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 9 **of** 12

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

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

Originator: BALDWIN JH
Co: WHC

Recipient:
Co:

References: ECN-629001

THIS PAGE INTENTIONALLY
LEFT BLANK.

WSC-CD-WSA-DP- 145 REV. 1

KOH FUSION HOMOGENIZATION CHECK ICP ANALYSIS

3- 1209

THIS PAGE INTENTIONALLY
LEFT BLANK.

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

PROCEDURE: PNL-ALO-211 ICP ANALYSIS REPORT -- Homogenization Test Analyzed Date: 09/01/95
M&TE: JA ICP WB73520 File: m090195b
Project: TWRS
Report Page 1 of 1

Samp Log#:	95-07946-H-1T Sam	95-07946-H-2T Dup		95-07946-H-1B Sam	95-07946-H-2B Dup		95-07946-HCB Batch Blk		**Calculated** IDL	MDL
ICP Dil:	2.00	2.00		2.00	2.00		2.00			
Dil Fctr:	1996.0	2016.1		1792.1	2089.9		1967.1			
Run Time:	13:14	13:18		13:22	13:26		13:06			
Analyte	Top ug/g	Top-Dup ug/g	20% RPD Flag	Bottom ug/g	Bot-Dup ug/g	20% RPD Flag	Blank ug/g	------|	ug/mL	ug/mL
Ag	ND	ND		ND	ND		ND		0.015	0.1500
Al	13,405	10,948	20% *	11,113	11,594	4%	(1,013)		0.060	0.6000
As	(231)	(205)		(202)	(186)		(158)		0.080	0.8000
B	(275)	(307)		(235)	(318)		(226)		0.020	0.2000
Ba	630	467	30% *	557	555	0%	ND		0.010	0.1000
Be	ND	ND		ND	ND		ND		0.005	0.0500
Bi	3,120	2,458	24% *	2,697	2,753	2%	ND		0.100	1.0000
Ca	12,280	9,029	31% *	10,657	11,329	6%	(366)		0.050	0.5000
Cd	(54)	(77)		(40)	ND		ND		0.015	0.1500
Ce	ND	ND		ND	ND		ND		0.100	1.0000
Co	(86)	(81)		(64)	(67)		(67)		0.010	0.1000
Cr	555	414	29% *	452	459	2%	(74)		0.020	0.2000
Cu	(32)	ND		(19)	ND		(29)		0.010	0.1000
Dy	ND	ND		ND	ND		ND		0.050	0.5000
Eu	ND	ND		ND	ND		ND		0.100	1.0000
Fe	29,935	22,647	28% *	25,898	27,279	5%	(375)		0.020	0.2000
K	n/a	n/a		n/a	n/a		n/a		2.000	20.0000
La	ND	ND		ND	ND		ND		0.050	0.5000
Li	(130)	(173)		(116)	(64)		ND		0.030	0.3000
Mg	(1,636)	(1,280)		(1,290)	(1,354)		ND		0.100	1.0000
Mn	817	672	19%	613	635	4%	399	>MDL	0.005	0.0500
Mo	ND	ND		ND	ND		ND		0.030	0.3000
Na	107,243	122,477	13%	97,416	104,472	7%	4,424	>MDL	0.080	0.8000
Nd	(112)	ND		(97)	ND		ND		0.050	0.5000
Ni	n/a	n/a		n/a	n/a		n/a		0.030	0.3000
P	20,774	29,818	36% *	20,644	23,052	11%	(282)		0.100	1.0000
Pb	(1,088)	(832)		(905)	(957)		(129)		0.060	0.6000
Pd	ND	ND		ND	ND		ND		0.300	3.0000
Rh	ND	ND		ND	ND		ND		0.300	3.0000
Sb	(116)	(105)		(91)	ND		(113)		0.050	0.5000
Se	ND	ND		ND	ND		ND		0.100	1.0000
Si	(3,440)	(3,874)		(2,871)	(2,916)		ND		0.500	5.0000
Sn	ND	ND		ND	ND		ND		1.000	10.0000
Sr	27,740	19,740	34% *	25,301	25,108	1%	ND		0.005	0.0500
Te	ND	ND		ND	ND		ND		0.500	5.0000
Th	ND	ND		ND	ND		ND		0.800	8.0000
Ti	489	433	12%	242	326	30% *	326	>MDL	0.005	0.0500
Tl	ND	ND		ND	ND		ND		0.500	5.0000
U	61,637	47,328	26% *	52,421	53,510	2%	ND		2.000	20.0000
V	(22)	(20)		(18)	ND		ND		0.010	0.1000
W	ND	ND		ND	ND		ND		0.500	5.0000
Y	ND	ND		ND	ND		ND		0.010	0.1000
Zn	(75)	ND		(58)	(103)		ND		0.020	0.2000
Zr	(52)	(41)		(39)	(43)		ND		0.010	0.1000

Note:
1) Above 5 times MDL, results reportable to 2 1/2 significant digits. "( )" results <MDL but =>IDL.
2) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
6) If 20% flag = "*", Then RPD >20% and both sample results >MDL.
7) ">MDL" indicates analyte found in process blank above the MDL.
8) Data, including calibration/QC, archived File ICP-325-405-1/95D244a

ICP RAW DATA -- IEC Corrected

File: m090195b
Reported: 09/01/95

Date: 09/01/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

File: m090195b

Sample ID:	95-07946-H-1T Sam	95-07946-H-2T Dup	95-07946-H-1B Sam	95-07946-H-2B Dup	95-07946-HCB Batch Blk
ICP Dil:	2.00	2.00	2.00	2.00	2.00
Run Time:	13:14	13:18	13:22	13:26	13:06
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0085	0.0070	0.0080	0.0063	0.0064
Al	6.7158	5.4300	6.2011	5.5479	0.5151
As	0.1156	0.1015	0.1128	0.0891	0.0801
B	0.1377	0.1522	0.1310	0.1522	0.1151
Ba	0.3155	0.2317	0.3107	0.2658	0.0049
Be	0.0008	0.0006	0.0007	0.0006	0.0003
Bi	1.5634	1.2192	1.5050	1.3175	0.0852
Ca	6.1524	4.4784	5.9466	5.4209	0.1863
Cd	0.0268	0.0382	0.0225	0.0149	0.0131
Ce	0.0637	0.0512	0.0682	0.0537	0.0294
Co	0.0431	0.0401	0.0357	0.0319	0.0338
Cr	0.2782	0.2055	0.2522	0.2199	0.0378
Cu	0.0159	0.0068	0.0106	-0.0087	0.0148
Dy	0.0066	0.0066	0.0062	0.0043	0.0105
Eu	0.0024	0.0018	0.0025	0.0019	0.0014
Fe	14.9974	11.2331	14.4508	13.0532	0.1906
K	4954.4751	4959.6655	4575.6855	4807.0557	4942.1851
La	0.0257	0.0235	0.0295	0.0203	0.0096
Li	0.0649	0.0856	0.0647	0.0304	0.0112
Mg	0.8196	0.6349	0.7196	0.6477	0.0570
Mn	0.4092	0.3335	0.3420	0.3038	0.2029
Mo	0.0194	0.0166	0.0167	0.0145	0.0121
Na	53.7286	60.7484	54.3582	49.9896	2.2490
Nd	0.0562	0.0474	0.0543	0.0409	0.0308
Ni	82.8636	79.1876	66.8436	50.1514	67.5081
P	10.4077	14.7898	11.5194	11.0305	0.1432
Pb	0.5453	0.4125	0.5048	0.4581	0.0656
Pd	-0.1700	-0.1147	-0.1568	-0.1555	0.1996
Rh	0.0788	0.0751	0.0777	0.0527	0.0969
Sb	0.0583	0.0522	0.0508	0.0449	0.0576
Se	0.0817	0.0724	0.0760	0.0656	0.0577
Si	1.7235	1.9213	1.6018	1.3951	0.1800
Sn	0.3123	0.2679	0.2808	0.2189	0.2788
Sr	13.8976	9.7910	14.1180	12.0143	0.0024
Te	0.0815	0.0757	0.0742	0.0729	0.0599
Th	0.5327	0.4113	0.5064	0.4328	0.0441
Ti	0.2451	0.2145	0.1349	0.1558	0.1658
Tl	0.0534	0.0505	0.0517	0.0446	0.0337
U	30.8803	23.4745	29.2510	25.6045	0.6920
V	0.0111	0.0100	0.0102	0.0087	0.0066
W	0.1103	0.0978	0.0929	0.0717	0.0815
Y	0.0085	0.0068	0.0083	0.0068	0.0020
Zn	0.0376	0.0198	0.0326	0.0491	-0.0329
Zr	0.0262	0.0203	0.0215	0.0204	0.0069

CD-WM-DP 145 REV. 1

Analyzed Date: 09/01/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D. Sanders
Reviewer: MWThue 9/14/95

File: m09019
Reported: 09/01/
ICP File: 95D24
Adjusted for Process Dil.Fctr.
Data Page 1 of 2

Sample Log#	95-07946-H-1T Sam	95-07946-H-2T Dup	95-07946-H-1B Sam	95-07946-H-2B Dup	95-07946-HCB Batch Blk
ID	Top	Top-Dup	Bottom	Bot-Dup	Blank
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1002	0.0992	0.1116	0.0957	0.1017
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL					
Dil: Total-mL					
Prep Factor	998.00	1008.06	896.06	1044.93	983.53
ICP Dilution	2.00	2.00	2.00	2.00	2.00
Dil Factor	1996.0	2016.1	1792.1	2089.9	1967.1
Run Time:	13:14	13:18	13:22	13:26	13:06
	ug/g	ug/g	ug/g	ug/g	ug/g
Ag	17.0	14.0	14.3	13.2	12.5
Al	13404.8	10947.7	11113.1	11594.4	1013.2
As	230.8	204.6	202.1	186.2	157.5
B	274.9	306.9	234.8	318.1	226.4
Ba	629.8	467.1	556.9	555.4	9.7
Be	1.5	1.2	1.2	1.1	0.6
Bi	3120.5	2458.0	2697.2	2753.4	167.5
Ca	12280.2	9029.1	10656.9	11328.9	366.4
Cd	53.6	77.0	40.4	31.2	25.8
Ce	127.2	103.2	122.1	112.3	57.8
Co	86.1	80.9	63.9	66.6	66.5
Cr	555.3	414.4	452.1	459.5	74.4
Cu	31.7	13.8	19.0	-18.1	29.1
Dy	13.3	13.3	11.1	9.0	20.7
Eu	4.8	3.6	4.6	3.9	2.8
Fe	29934.9	22647.4	25897.5	27279.4	374.9
K	9889171.8	9999325.6	8200153.3	**********	9721534.4
La	51.2	47.4	52.8	42.3	18.8
Li	129.5	172.6	115.9	63.6	22.0
Mg	1635.9	1279.9	1289.6	1353.6	112.1
Mn	816.8	672.3	613.0	635.0	399.1
Mo	38.7	33.4	29.9	30.2	23.8
Na	107242.7	122476.6	97416.2	104471.5	4424.0
Nd	112.1	95.6	97.3	85.5	60.6
Ni	165396.3	159652.4	119791.4	104809.5	132791.9
P	20773.8	29818.2	20644.0	23052.2	281.7
Pb	1088.4	831.6	904.6	957.4	129.0
Pd	-339.3	-231.3	-281.0	-325.0	392.7
Rh	157.3	151.4	139.3	110.1	190.6
Sb	116.3	105.2	91.1	93.8	113.3
Se	163.1	146.0	136.2	137.0	113.4
Si	3440.1	3873.5	2870.6	2915.5	354.0
Sn	623.3	540.1	503.2	457.4	548.3
Sr	27739.7	19739.9	25301.1	25108.2	4.8
Te	162.8	152.6	133.0	152.3	117.7
Th	1063.4	829.2	907.6	904.5	86.8
Ti	489.3	432.5	241.7	325.6	326.1
Tl	106.6	101.9	92.7	93.2	66.3
U	61637.3	47327.6	52421.1	53510.0	1361.2
V	22.2	20.2	18.2	18.2	13.1
W	220.2	197.2	166.4	149.8	160.2
Y	17.0	13.6	14.9	14.2	3.9
Zn	75.0	39.9	58.4	102.7	-64.8
Zr	52.4	40.8	38.5	42.6	13.5

|<-----Adjusted for Process Dilution Factor----->|

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

PROCEDURE: PNL-ALO-211 ICP ANALYSIS REPORT -- Homogenization Test Analyzed Date: 09/01/95
M&TE: JA ICP WB73520 File: m090195a
Project: TWRS
Report Page 1 of 1

Samp Log#:	95-07941-H-1T Sam	95-07941-H-2T Dup		95-07941-H-1B Sam	95-07941-H-2B Dup		95-07941-HCB Batch Blk		
ICP Dil:	2.00	2.00		2.00	2.00		2.00		
Dil Fctr:	1990.0	1949.3		1945.5	1551.6		1839.9		
Run Time:	12:44	12:47		12:51	12:55		12:33		
Analyte	Top ug/g	Top-Dup ug/g	20% RPD Flag	Bottom ug/g	Bot-Dup ug/g	20% RPD Flag	Blank ug/g	------|	**Calculated** IDL ug/mL	MDL ug/mL
Ag	ND	ND		ND	ND		ND		0.015	0.1500
Al	138,516	133,408	4%	143,659	140,111	3%	(828)		0.060	0.6000
As	(258)	(232)		(223)	(218)		ND		0.080	0.8000
B	(269)	(306)		(312)	(190)		(275)		0.020	0.2000
Ba	(22)	ND		(27)	ND		ND		0.010	0.1000
Be	ND	ND		ND	ND		ND		0.005	0.0500
Bi	(292)	ND		(213)	ND		ND		0.100	1.0000
Ca	1,156	1,450	23% *	1,330	1,520	13%	(223)		0.050	0.5000
Cd	ND	ND		ND	ND		ND		0.015	0.1500
Ce	ND	ND		ND	ND		ND		0.100	1.0000
Co	(50)	(40)		(23)	(33)		(26)		0.010	0.1000
Cr	(149)	(156)		(146)	(133)		ND		0.020	0.2000
Cu	ND	ND		ND	(51)		ND		0.010	0.1000
Dy	ND	ND		ND	ND		ND		0.050	0.5000
Eu	ND	ND		ND	ND		ND		0.100	1.0000
Fe	1,494	972	42% *	1,805	1,179	42% *	545	>MDL	0.020	0.2000
K	n/a	n/a		n/a	n/a		n/a		2.000	20.0000
La	ND	ND		ND	ND		ND		0.050	0.5000
Li	(107)	(117)		(80)	ND		(98)		0.030	0.3000
Mg	(325)	(221)		(401)	(254)		ND		0.100	1.0000
Mn	307	271	12%	216	184	16%	176	>MDL	0.005	0.0500
Mo	ND	ND		ND	ND		ND		0.030	0.3000
Na	98,650	97,695	1%	98,950	93,886	5%	3,948	>MDL	0.080	0.8000
Nd	ND	ND		ND	ND		ND		0.050	0.5000
Ni	n/a	n/a		n/a	n/a		n/a		0.030	0.3000
P	24,562	30,291	21% *	29,282	28,362	3%	ND		0.100	1.0000
Pb	(251)	(187)		(255)	(137)		ND		0.060	0.6000
Pd	ND	ND		ND	ND		ND		0.300	3.0000
Rh	ND	ND		ND	ND		ND		0.300	3.0000
Sb	ND	ND		ND	ND		ND		0.050	0.5000
Se	ND	ND		ND	ND		ND		0.100	1.0000
Si	(5,966)	(4,071)		(5,396)	(3,997)		ND		0.500	5.0000
Sn	ND	ND		ND	ND		ND		1.000	10.0000
Sr	(27)	(21)		(31)	(25)		ND		0.005	0.0500
Te	ND	ND		ND	ND		ND		0.500	5.0000
Th	ND	ND		ND	ND		ND		0.800	8.0000
Ti	359	179	67% *	143	87	48% *	206	>MDL	0.005	0.0500
Tl	ND	ND		ND	ND		ND		0.500	5.0000
U	ND	ND		ND	ND		ND		2.000	20.0000
V	(52)	(45)		(64)	(59)		ND		0.010	0.1000
W	ND	ND		ND	ND		ND		0.500	5.0000
Y	ND	ND		ND	ND		ND		0.010	0.1000
Zn	ND	(52)		(81)	(86)		ND		0.020	0.2000
Zr	(170)	(185)		(111)	ND		(121)		0.010	0.1000

Note:
1) Above 5 times MDL, results reportable to 2 1/2 significant digits. "( )" results <MDL but =>IDL.
2) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
6) If 20% flag = "*", Then RPD >20% and both sample results >MDL.
7) ">MDL" indicates analyte found in process blank above the MDL.
8) Data, including calibration/QC, archived File ICP-325-405-1/95D244a

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

Analyzed Date: 09/01/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D. Sanders
Reviewer: MW Thu 9/14/95

File: m090195a
Reported: 09/01/95
ICP File: 95D244a
Adjusted for Process Dil.Fctr.
Data Page 1 of 2

Sample Log#	95-07941-H-1T Sam	95-07941-H-2T Dup	95-07941-H-1B Sam	95-07941-H-2B Dup	95-07941-HCB Batch Blk
ID	Top	Top-Dup	Bottom	Bot-Dup	Blank
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1005	0.1026	0.1028	0.1289	0.1087
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL					
Dil: Total-mL					
Prep Factor	995.02	974.66	972.76	775.80	919.96
ICP Dilution	2.00	2.00	2.00	2.00	2.00
Dil Factor	1990.0	1949.3	1945.5	1551.6	1839.9
Run Time:	12:44	12:47	12:51	12:55	12:33
	ug/g	ug/g	ug/g	ug/g	ug/g
Ag	11.5	10.9	17.4	11.1	7.0
Al	138516.3	133408.1	143658.9	140111.2	828.3
As	258.0	231.7	222.8	218.4	69.9
B	268.7	305.8	311.6	190.4	274.9
Ba	22.4	15.1	26.5	12.8	7.5
Be	0.8	0.6	0.9	0.6	0.1
Bi	292.5	101.0	213.4	43.2	46.8
Ca	1156.4	1449.7	1329.9	1519.8	223.3
Cd	27.0	28.0	23.5	6.2	19.6
Ce	59.5	51.3	98.0	62.6	22.9
Co	50.3	39.6	22.7	33.4	26.4
Cr	148.9	155.7	146.0	133.4	33.5
Cu	-20.5	-18.2	16.8	50.6	-54.2
Dy	16.7	13.1	16.4	11.7	7.0
Eu	2.2	2.3	4.2	3.0	0.9
Fe	1493.9	972.3	1804.6	1178.8	544.7
K	9814149.0	9280125.9	8932572.5	7578497.0	9226867.0
La	25.1	17.4	48.4	20.9	14.3
Li	106.5	117.0	80.4	32.5	98.2
Mg	325.0	221.4	400.6	253.7	93.6
Mn	306.8	271.3	215.7	184.1	175.8
Mo	29.1	28.5	24.2	21.8	18.3
Na	98650.1	97695.1	98950.1	93886.5	3948.4
Nd	51.5	56.3	84.7	59.8	26.3
Ni	98744.9	50597.1	25698.2	5562.0	20939.7
P	24561.8	30290.7	29281.8	28382.4	173.3
Pb	251.3	186.8	254.9	137.3	106.2
Pd	137.1	122.5	222.5	149.6	51.9
Rh	135.8	108.3	140.8	92.7	96.0
Sb	88.9	86.3	89.3	56.7	63.1
Se	108.5	104.4	79.4	65.8	80.4
Si	5965.8	4071.2	5395.7	3997.0	817.5
Sn	503.5	423.1	496.1	345.1	299.7
Sr	26.6	21.5	30.7	24.5	3.7
Te	94.3	75.2	95.0	60.6	64.5
Th	66.8	53.0	38.8	20.4	36.7
Ti	358.7	179.4	142.9	87.2	206.5
Tl	342.5	303.5	349.3	313.0	46.2
U	1235.2	1069.3	1548.3	1164.9	491.8
V	52.1	45.1	63.5	59.3	8.5
W	147.8	117.2	102.5	71.7	56.5
Y	3.3	3.5	5.9	4.1	1.8
Zn	15.1	51.7	81.3	86.4	13.7
Zr	169.6	184.7	110.9	11.9	120.8

|<-----Adjusted for Process Dilution Factor----->|

ICP RAW DATA -- IEC Corrected

File: m090195a
Reported: 09/01/95

Raw Data
Data Page 2 of 2

Date: 09/01/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

File: m090195a

Sample ID:	95-07941-H-1T Sam	95-07941-H-2T Dup	95-07941-H-1B Sam	95-07941-H-2B Dup	95-07941-HCB Batch Blk
ICP Dil:	2.00	2.00	2.00	2.00	2.00
Run Time:	12:44	12:47	12:51	12:55	12:33
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0058	0.0056	0.0089	0.0072	0.0038
Al	69.6044	68.4384	73.8407	90.3016	0.4502
As	0.1296	0.1189	0.1145	0.1408	0.0380
B	0.1350	0.1569	0.1602	0.1227	0.1494
Ba	0.0113	0.0078	0.0136	0.0083	0.0041
Be	0.0004	0.0003	0.0005	0.0004	0.0001
Bi	0.1470	0.0518	0.1097	0.0279	0.0254
Ca	0.5811	0.7437	0.6836	0.9795	0.1214
Cd	0.0136	0.0144	0.0121	0.0040	0.0106
Ce	0.0299	0.0263	0.0504	0.0404	0.0124
Co	0.0253	0.0203	0.0117	0.0215	0.0144
Cr	0.0748	0.0799	0.0750	0.0860	0.0182
Cu	-0.0103	-0.0093	0.0087	0.0326	-0.0295
Dy	0.0084	0.0067	0.0084	0.0075	0.0038
Eu	0.0011	0.0012	0.0021	0.0020	0.0005
Fe	0.7507	0.4988	0.9276	0.7597	0.2961
K	4931.6099	4760.7046	4591.3423	4884.3413	5014.8022
La	0.0126	0.0089	0.0249	0.0135	0.0078
Li	0.0535	0.0600	0.0413	0.0210	0.0534
Mg	0.1633	0.1136	0.2059	0.1635	0.0509
Mn	0.1542	0.1392	0.1109	0.1186	0.0955
Mo	0.0146	0.0146	0.0124	0.0140	0.0099
Na	49.5717	50.1176	50.8604	60.5098	2.1459
Nd	0.0259	0.0289	0.0435	0.0385	0.0143
Ni	49.6193	25.9563	13.2089	3.5847	11.3807
P	12.3423	15.5391	15.0508	18.2925	0.0942
Pb	0.1263	0.0959	0.1310	0.0885	0.0577
Pd	0.0689	0.0628	0.1144	0.0964	0.0282
Rh	0.0682	0.0556	0.0724	0.0598	0.0522
Sb	0.0447	0.0443	0.0459	0.0366	0.0343
Se	0.0545	0.0535	0.0408	0.0424	0.0437
Si	2.9978	2.0885	2.7734	2.5761	0.4443
Sn	0.2530	0.2170	0.2550	0.2224	0.1629
Sr	0.0134	0.0110	0.0158	0.0158	0.0020
Te	0.0474	0.0386	0.0488	0.0391	0.0351
Th	0.0336	0.0272	0.0199	0.0132	0.0199
Ti	0.1802	0.0920	0.0735	0.0562	0.1122
Tl	0.1721	0.1557	0.1796	0.2017	0.0251
U	0.6207	0.5485	0.7958	0.7508	0.2673
V	0.0262	0.0231	0.0326	0.0382	0.0046
W	0.0743	0.0601	0.0527	0.0462	0.0307
Y	0.0017	0.0018	0.0030	0.0026	0.0010
Zn	0.0076	0.0265	0.0418	0.0557	0.0075
Zr	0.0852	0.0947	0.0570	0.0077	0.0657

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

								CCV1 950713H901	CCV1 950713H901			
								95D244A	95D244A			
								9/1/95	9/1/95			
Statistical Summary for 'CCV1 950713H901'								11:00	13:47			
(HPS:CCV-1)								CONC	CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	856	901			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)			
Ag		2	-0.002	0.001	-85			-0.001	-0.003			
Al	2.000	2	1.934	0.029	1	-0.066	-3.3	1.914	1.954			
As	2.000	2	2.051	0.022	1	0.051	2.6	2.036	2.067			
B	2.000	2	1.970	0.032	2	-0.030	-1.5	1.948	1.993			
Ba	1.000	2	1.009	0.014	1	0.009	0.9	0.999	1.018			
Be	1.000	2	0.960	0.002	0	-0.040	-4.0	0.959	0.962			
Bi	2.000	2	1.901	0.000	0	-0.099	-5.0	1.901	1.901			
Ca	2.000	2	1.952	0.009	0	-0.048	-2.4	1.945	1.959			
Cd	1.000	2	0.987	0.001	0	-0.013	-1.3	0.988	0.986			
Ce		2	-0.010	0.012	-124			-0.001	-0.019			
Co	1.000	2	1.047	0.008	1	0.047	4.7	1.042	1.053			
Cr	0.500	2	0.522	0.004	1	0.022	4.4	0.525	0.519			
Cu	2.000	2	2.045	0.019	1	0.045	2.3	2.032	2.059			
Dy		2	-0.001	0.001	-79			-0.001	-0.002			
Eu		2	0.000	0.001	-505			0.000	0.000			
Fe	2.000	2	2.037	0.012	1	0.037	1.9	2.029	2.046			
K	5.000	2	4.558	0.476	10	-0.442	-8.8	4.894	4.221			
La		2	-0.001	0.002	-188			0.000	-0.002			
Li	2.000	2	2.017	0.099	5	0.017	0.8	1.947	2.087			
Mg	2.000	2	2.093	0.018	1	0.093	4.7	2.080	2.106			
Mn	1.000	2	1.032	0.005	0	0.032	3.2	1.029	1.035			
Mo	2.000	2	2.018	0.012	1	0.018	0.9	2.009	2.026			
Na	8.100	2	8.221	0.445	5	0.121	1.5	7.907	8.536			
Nd		2	-0.005	0.009	-203			0.002	-0.011			
Ni	2.000	2	2.114	0.015	1	0.114	5.7	2.104	2.125			
P	5.000	2	4.838	0.026	1	-0.162	-3.2	4.820	4.856			
Pb	2.000	2	2.068	0.006	0	0.068	3.4	2.073	2.062			
Pd		2	-0.033	0.032	-99			-0.010	-0.056			
Rh		2	-0.006	0.013	-198			0.003	-0.016			
Sb		2	-0.012	0.003	-26			-0.009	-0.014			
Se	2.000	2	1.939	0.025	1	-0.061	-3.0	1.922	1.957			
Si	5.000	2	4.895	0.096	2	-0.105	-2.1	4.827	4.963			
Sn		2	-0.035	0.039	-113			-0.007	-0.062			
Sr	2.000	2	2.099	0.107	5	0.099	5.0	2.023	2.175			
Te		2	-0.026	0.006	-21			-0.022	-0.030			
Th		2	0.004	0.000	3			0.004	0.004			
Ti		2	0.000	0.001	-209			0.000	-0.001			
Tl	2.000	2	1.906	0.005	0	-0.094	-4.7	1.902	1.910			
U		2	-0.071	0.155	-219			0.039	-0.181			
V	1.000	2	0.974	0.006	1	-0.026	-2.6	0.970	0.978			
W		2	0.004	0.000	0			0.004	0.004			
Y		2	0.000	0.000	-65			0.000	-0.001			
Zn	1.000	2	1.050	0.020	2	0.050	5.0	1.035	1.064			
Zr		2	-0.001	0.001	-71			-0.001	-0.002			
TIME		2	10000.000	0.000	0			10000.000	10000.000			

3-1216

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

								MCVA 9507281901	MCVA 9507281901	MCVA 9507281901	MCVA 9507281901	MCVA 9507281901
								95D244A	95D244A	95D244A	95D244A	95D244A
								9/1/95	9/1/95	9/1/95	9/1/95	9/1/95
Statistical Summary for 'MCVA 9507281901'								10:42	11:49	12:23	12:59	13:34
(MCVA)								CONC	CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	946	991	1036	1081	1126
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.500	5	0.483	0.003	1	-0.017	-3.4	0.482	0.487	0.482	0.484	0.480
Al	25.000	5	25.172	0.178	1	0.172	0.7	25.076	25.451	25.034	25.249	25.052
As	2.500	5	2.636	0.017	1	0.136	5.4	2.617	2.659	2.638	2.645	2.621
B	2.000	5	2.009	0.017	1	0.009	0.4	1.997	2.035	2.005	2.015	1.993
Ba	0.500	5	0.510	0.005	1	0.010	1.9	0.508	0.517	0.508	0.510	0.504
Be	0.100	5	0.093	0.001	1	-0.007	-6.5	0.093	0.095	0.093	0.094	0.093
Bi	25.000	5	24.335	0.177	1	-0.665	-2.7	24.301	24.603	24.288	24.366	24.114
Ca	25.000	5	25.307	0.127	1	0.307	1.2	25.197	25.462	25.249	25.424	25.202
Cd	0.500	5	0.500	0.002	0	0.000	-0.1	0.500	0.503	0.500	0.498	0.497
Ce		5	-0.037	0.007	-20			-0.036	-0.049	-0.030	-0.039	-0.032
Co	1.000	5	1.043	0.005	0	0.043	4.3	1.038	1.049	1.040	1.048	1.040
Cr	1.000	5	1.035	0.008	1	0.035	3.5	1.041	1.043	1.033	1.035	1.024
Cu	1.000	5	1.019	0.009	1	0.019	1.9	1.021	1.031	1.015	1.020	1.007
Dy		5	0.000	0.001	251			0.000	-0.001	0.001	0.001	0.002
Eu		5	0.002	0.000	12			0.002	0.002	0.002	0.002	0.002
Fe	20.000	5	20.672	0.146	1	0.672	3.4	20.572	20.885	20.627	20.750	20.526
K	25.000	5	25.432	0.323	1	0.432	1.7	25.814	25.596	25.143	25.555	25.051
La		5	0.007	0.002	36			0.004	0.005	0.007	0.009	0.009
Li	2.000	5	1.938	0.017	1	-0.062	-3.1	1.937	1.961	1.917	1.945	1.928
Mg	25.000	5	26.674	0.158	1	1.674	6.7	26.604	26.900	26.586	26.769	26.510
Mn	0.500	5	0.519	0.003	1	0.019	3.9	0.518	0.524	0.517	0.521	0.516
Mo	1.000	5	1.042	0.006	1	0.042	4.2	1.035	1.050	1.040	1.047	1.036
Na	25.000	5	24.514	0.173	1	-0.486	-1.9	24.478	24.684	24.238	24.625	24.546
Nd		5	0.010	0.004	44			0.006	0.005	0.012	0.014	0.014
Ni	1.000	5	1.074	0.007	1	0.074	7.4	1.063	1.081	1.073	1.078	1.073
P		5	0.081	0.014	17			0.063	0.087	0.073	0.097	0.087
Pb	2.500	5	2.645	0.013	0	0.145	5.8	2.637	2.654	2.641	2.663	2.630
Pd		5	-0.030	0.014	-46			-0.035	-0.048	-0.027	-0.028	-0.011
Rh		5	-0.001	0.006	-907			-0.004	-0.010	0.001	0.004	0.006
Sb	2.500	5	2.570	0.013	0	0.070	2.8	2.558	2.588	2.560	2.578	2.565
Se	2.500	5	2.489	0.017	1	-0.011	-0.5	2.459	2.499	2.493	2.503	2.490
Si	20.000	5	18.995	0.132	1	-1.005	-5.0	18.871	19.171	18.934	19.099	18.902
Sn		5	-0.092	0.015	-16			-0.102	-0.112	-0.085	-0.081	-0.078
Sr	0.500	5	0.523	0.010	2	0.023	4.6	0.514	0.524	0.516	0.520	0.540
Te		5	-0.009	0.003	-34			-0.010	-0.014	-0.008	-0.007	-0.006
Th		5	0.050	0.002	4			0.049	0.050	0.046	0.051	0.051
Ti	1.000	5	1.008	0.007	1	0.008	0.8	1.002	1.018	1.005	1.012	1.002
Tl		5	2.491	0.014	1			2.477	2.508	2.488	2.502	2.478
U		5	0.099	0.063	63			0.066	0.016	0.107	0.124	0.183
V	1.000	5	1.005	0.006	1	0.005	0.5	1.002	1.015	1.002	1.008	0.998
W		5	0.035	0.003	10			0.031	0.033	0.039	0.038	0.035
Y		5	0.000	0.000	4666			0.000	0.000	0.000	0.000	0.000
Zn	1.000	5	1.042	0.013	1	0.042	4.2	1.021	1.044	1.042	1.053	1.050
Zr	2.000	5	2.077	0.016	1	0.077	3.8	2.056	2.095	2.073	2.089	2.070
TIME		5	10000.000	0.000	0			10000.000	10000.000	10000.000	10000.000	10000.000

3-1217

HC-CD-WM-DP-145 REV.

								MCVB 950830H901	MCVB 950830H901			
								95D244A	95D244A			
								9/1/95	9/1/95			
Statistical Summary for 'MCVB 950830H901'								10.46	13:39			
(MCVB)								CONC	CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	1171	1216			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)			
Ag		2	-0.004	0.000	-2			-0.004	-0.004			
Al		2	-0.176	0.022	-13			-0.191	-0.160			
As		2	-0.002	0.004	-250			-0.005	0.001			
B		2	-0.002	0.000	-12			-0.002	-0.002			
Ba		2	0.000	0.000	0			0.000	0.000			
Be		2	0.000	0.000	13			0.000	0.000			
Bi		2	-0.002	0.000	-3			-0.002	-0.002			
Ca		2	0.050	0.006	13			0.045	0.054			
Cd		2	0.001	0.001	77			0.000	0.001			
Ce	2.000	2	2.036	0.020	1	0.036	1.8	2.022	2.051			
Co		2	0.001	0.000	44			0.001	0.001			
Cr		2	0.001	0.000	19			0.002	0.001			
Cu		2	-0.015	0.001	-4			-0.014	-0.015			
Dy	2.000	2	2.050	0.024	1	0.050	2.5	2.033	2.066			
Eu	2.000	2	2.050	0.020	1	0.050	2.5	2.036	2.064			
Fe		2	0.012	0.000	2			0.012	0.013			
K		2	-0.637	0.503	-79			-0.281	-0.992			
La	2.000	2	2.059	0.022	1	0.059	3.0	2.043	2.075			
Li		2	0.000	0.001	-372			-0.001	0.000			
Mg		2	0.095	0.012	13			0.086	0.103			
Mn		2	0.000	0.000	226			0.000	0.000			
Mo		2	-0.001	0.000	-20			-0.001	-0.001			
Na		2	0.029	0.010	34			0.022	0.036			
Nd	2.000	2	2.000	0.022	1	0.000	0.0	1.984	2.015			
Ni		2	0.004	0.002	41			0.003	0.006			
P		2	-0.009	0.012	-139			-0.018	0.000			
Pb		2	0.030	0.005	16			0.033	0.026			
Pd	2.000	2	2.082	0.097	5	0.082	4.1	2.013	2.151			
Sb		2	0.004	0.002	44			0.002	0.005			
Se		2	0.008	0.009	113			0.014	0.002			
Si		2	-0.055	0.035	-63			-0.080	-0.031			
Sn	2.000	2	2.000	0.009	0	0.000	0.0	2.006	1.993			
Sr		2	0.000	0.000	137			0.000	0.001			
Te	2.000	2	1.824	0.018	1	-0.176	-8.8	1.811	1.837			
Th	5.000	2	5.231	0.039	1	0.231	4.6	5.204	5.259			
Ti		2	0.000	0.000	22			0.000	0.000			
Tl		2	-0.013	0.005	-40			-0.009	-0.016			
U	10.000	2	8.304	0.082	1	-1.696	-17.0	8.362	8.246			
V		2	-0.003	0.001	-21			-0.002	-0.003			
W	2.000	2	1.906	0.006	0	-0.094	-4.7	1.910	1.902			
Y	1.000	2	1.021	0.005	0	0.021	2.1	1.024	1.017			
Zn		2	0.001	0.001	67			0.001	0.002			
Zr		2	-0.018	0.001	-8			-0.017	-0.019			
TIME		2	10000.000	0.000	0			10000.000	10000.000			

3-1218

PNL-3-WM-DP-145, REV.

								SRM-1643c 103668	SRM-1643c 103668
								95D244A	95D244A
								9/1/95	9/1/95
Statistical Summary for 'SRM-1643c 103668'								10:55	13:43
(NIST:SRM1643c)								CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	1351	1396
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)
Ag	0.002	2	-0.002	0.001	-38	-0.004	-190.2	-0.001	-0.002
Al	0.115	2	0.098	0.000	0	-0.017	-14.4	0.098	0.098
As	0.082	2	0.080	0.003	4	-0.002	-2.5	0.082	0.078
B	0.119	2	0.112	0.001	1	-0.007	-6.0	0.111	0.112
Ba	0.050	2	0.049	0.000	0	0.000	-0.4	0.049	0.050
Be	0.023	2	0.022	0.000	0	-0.001	-5.5	0.022	0.022
Bi		2	0.011	0.004	33			0.008	0.013
Ca	36.800	2	35.895	0.056	0	-0.905	-2.5	35.855	35.934
Cd	0.012	2	0.011	0.000	1	-0.001	-8.0	0.011	0.011
Ce		2	-0.026	0.002	-7			-0.024	-0.027
Co	0.024	2	0.021	0.001	2	-0.002	-9.1	0.022	0.021
Cr	0.019	2	0.021	0.002	8	0.002	10.8	0.022	0.020
Cu	0.022	2	0.018	0.001	6	-0.005	-20.2	0.019	0.017
Dy		2	-0.003	0.000	-3			-0.003	-0.003
Eu		2	0.000	0.000	-9			0.000	0.000
Fe	0.107	2	0.120	0.000	0	0.013	12.0	0.120	0.120
K	2.300	2	1.302	0.447	34	-0.998	-43.4	1.618	0.986
La		2	0.002	0.001	37			0.002	0.003
Li	0.017	2	0.011	0.001	13	-0.005	-33.2	0.010	0.012
Mg	9.450	2	10.018	0.040	0	0.568	6.0	9.990	10.046
Mn	0.035	2	0.035	0.000	0	0.000	0.9	0.036	0.035
Mo	0.104	2	0.105	0.000	0	0.001	0.6	0.105	0.105
Na	12.190	2	11.955	0.511	4	-0.235	-1.9	11.593	12.316
Nd		2	-0.011	0.002	-15			-0.009	-0.012
Ni	0.061	2	0.061	0.001	1	0.000	0.8	0.062	0.061
P		2	0.015	0.013	86			0.006	0.024
Pb	0.035	2	0.012	0.009	76	-0.024	-67.1	0.018	0.005
Pd		2	-0.068	0.020	-30			-0.053	-0.082
Rh		2	-0.026	0.006	-24			-0.022	-0.031
Sb		2	-0.011	0.007	-61			-0.016	-0.006
Se	0.013	2	0.015	0.002	17	0.002	14.2	0.016	0.013
Si		2	-0.028	0.056	-201			-0.067	0.012
Sn		2	-0.123	0.003	-3			-0.121	-0.125
Sr	0.264	2	0.274	0.012	5	0.010	3.9	0.265	0.283
Te		2	-0.012	0.005	-40			-0.016	-0.009
Th		2	-0.008	0.002	-21			-0.009	-0.007
Ti		2	0.007	0.000	4			0.007	0.007
Tl	0.008	2	0.004	0.004	100	-0.004	-52.9	0.006	0.001
U		2	-0.080	0.080	-99			-0.024	-0.136
V	0.031	2	0.026	0.000	2	-0.005	-15.7	0.027	0.026
W		2	0.008	0.009	110			0.002	0.014
Y		2	-0.003	0.000	-7			-0.003	-0.003
Zn	0.074	2	0.088	0.002	3	0.014	19.3	0.086	0.090
Zr		2	-0.002	0.000	-5			-0.002	-0.002
TIME		2	10000.000	0.000	0			10000.000	10000.000

3-1219

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

3-1220

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

								STD1-Blank 108444	STD1-Blank 108444	STD1-Blank 108444	STD1-Blank 108444	STD1-Blank 108444
								95D244A	95D244A	95D244A	95D244A	95D244A
								9/1/95	9/1/95	9/1/95	9/1/95	9/1/95
Statistical Summary for 'STD1-Blank 108444'								10:39	11:14	11:59	13:03	13:50
(STD1-Blank)								CONC	CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	1486	1531	1576	1621	1666
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		5	0.000	0.001	1271			0.000	0.001	0.001	0.000	-0.001
Al		5	0.001	0.003	289			0.001	0.002	0.003	0.004	-0.004
As		5	0.005	0.002	38			0.003	0.006	0.006	0.006	0.002
B		5	-0.001	0.001	-120			-0.002	0.000	-0.001	0.000	-0.003
Ba		5	0.000	0.000	-190			0.000	0.000	0.000	0.000	-0.001
Be		5	0.000	0.000	120			0.000	0.000	0.000	0.000	0.000
Bi		5	-0.002	0.002	-119			-0.004	-0.001	0.001	-0.001	-0.004
Ca		5	0.000	0.004	-1949			0.000	0.001	0.007	0.004	-0.008
Cd		5	0.000	0.001	178			-0.001	0.001	0.000	0.001	0.001
Ce		5	-0.002	0.007	-294			-0.005	0.001	0.004	0.001	-0.014
Co		5	0.000	0.001	1031			-0.001	0.001	0.002	0.000	-0.001
Cr		5	-0.001	0.001	-247			-0.001	-0.002	0.002	0.000	-0.001
Cu		5	0.000	0.001	-310			0.000	0.000	0.000	0.001	-0.002
Dy		5	0.001	0.001	132			0.000	0.001	0.001	0.001	0.000
Eu		5	0.000	0.000	-1059			0.000	0.000	0.000	0.000	0.000
Fe		5	0.001	0.001	207			0.000	0.001	0.001	0.002	-0.001
K		5	-0.271	0.473	-175			-0.115	0.052	0.103	-0.333	-1.061
La		5	0.001	0.002	277			-0.002	0.002	0.002	0.002	-0.001
Li		5	0.001	0.001	163			-0.001	0.001	0.001	0.001	0.000
Mg		5	0.002	0.006	309			-0.006	0.004	0.009	0.007	-0.003
Mn		5	0.000	0.000	-31			0.000	0.000	0.000	0.000	0.000
Mo		5	0.000	0.000	-192			0.000	-0.001	0.000	0.000	-0.001
Na		5	0.003	0.015	617			-0.006	0.010	0.017	0.013	-0.021
Nd		5	0.000	0.007	2153			-0.004	0.004	0.007	0.003	-0.009
Ni		5	0.001	0.001	121			0.001	-0.001	0.001	0.003	0.002
P		5	0.009	0.016	180			-0.014	0.022	0.014	0.025	-0.001
Pb		5	-0.003	0.008	-279			-0.003	0.002	0.005	-0.001	-0.017
Pd		5	-0.005	0.018	-402			-0.002	0.002	0.012	0.001	-0.036
Rh		5	-0.001	0.008	-972			-0.001	0.003	0.007	0.002	-0.015
Sb		5	0.003	0.006	167			0.006	-0.001	0.005	0.011	-0.003
Se		5	0.003	0.005	143			-0.001	0.002	0.010	-0.001	0.007
Si		5	-0.011	0.017	-155			-0.025	0.008	-0.007	0.002	-0.032
Sn		5	-0.005	0.029	-609			0.003	0.004	0.015	0.011	-0.057
Sr		5	0.000	0.000	216			0.000	0.000	0.000	0.000	0.001
Te		5	0.001	0.007	935			-0.010	0.003	0.009	0.003	-0.003
Th		5	0.003	0.003	100			0.004	0.003	0.001	0.008	0.000
Ti		5	0.000	0.000	-938			0.000	0.000	0.000	0.000	-0.001
Tl		5	-0.003	0.005	-160			-0.005	0.001	0.003	-0.006	-0.007
U		5	0.004	0.107	2576			-0.026	0.070	0.109	0.034	-0.165
V		5	0.000	0.001	505			0.000	0.001	0.001	0.001	-0.001
W		5	0.005	0.006	103			-0.003	0.013	0.004	0.006	0.007
Y		5	0.000	0.000	1190			0.000	0.000	0.000	0.000	-0.001
Zn		5	0.000	0.000	253			0.000	0.000	0.000	0.000	-0.001
Zr		5	0.000	0.000	-590			0.000	0.000	0.000	0.000	-0.001
TIME		5	10000.000	0.000	0			10000.000	10000.000	10000.000	10000.000	10000.000

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

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

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1		✓	✓							Co Profile 950814I101		Silvers	K28866	950244A	ICP1	9/1/95 DW
	2	✓	✓		✓		✓				SPC-BLK 108444						
	3	✓	✓		✓						SPC-STD 950831I101						
	4	✓				✓	✓				STD1-Blank 108444						
	5	✓				✓					" 2 950830I102						
	6	✓				✓					" 3 3						
	7	✓				✓					" 4 4						
	8	✓				✓					" 5 5						
	9	✓				✓					" 6 6						
	10	✓				✓					" 7 7						
	11	✓				✓					" 8 8						
	12	✓				✓					" 9 9						
	13	✓				✓	✓				" 1-Blank 108444						
	14	✓				✓					" 2 950830I102						
	15	✓				✓					" 3 3						
	16	✓				✓					" 4 4						
	17	✓				✓					" 5 5						
	18	✓				✓					" 6 6						
	19	✓				✓					" 7 7						
	20	✓				✓					" 8 8						
	21	✓				✓					" 9 9						
	22	✓					✓				" 1-Blank 108444						
	23	✓							✓	PASS	MCVA 950728I901						
	24	✓							✓	PASS ⊗	MCVB 950830I1901						
	25	✓							✓		SRM-1643c 103668						

[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.

MATE # WD00560

Initial or Continuing Calibration [V]erification Standard

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

file: C:\OPTIOP\LOG\AMS\RUNLOG.TJ2 (04-07-93)

⊗ Rh, U-N/A for Q.C. DWS 9/1/95

use Na std @ 50 ppm for U Q.C. DWS 9/1/95

3-1221

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

Battelle PNL/ACL/Inorganic Analysis Group

ICPAES RUN LOG (ICP -325-405)

Note: Blank spaces or lines are permitted.

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓						✓			CCV1 950713H901		Silvers	K28866	9502449	ICP1	9/1/95 DMS
	2	✓					✓				STD1-Blank 108444						
	3	✓							✓	PASS	MCVA 950728I901						
	4	✓					✓				STD1-Blank 108444						
	5	✓								95-007941-HCB	HNO3/HCl Process Blank (Acid digest)						
	6	✓								95-007941-H1T	Segment 1 Top "	5X					
	7	✓								95-007941-H1T	" " " "						
	8	✓								95-007941-H2T	" " " Duplicate "						
	9	✓								95-007946-H1T	QTR SEG 4B Top "						
	10	✓								95-007946-H2T	" " " " Duplicate "						
	11	✓							✓	PASS	MCVA 950728I901						
	12	✓					✓				STD1-Blank 108444						
	13	✓								95-007941-HCB	KOH/Ni fusion Process Blank (KOH/Ni Fusion)	2X					
	14	✓								95-007941-H1T	Segment 1 Top "	10X					
	15	✓								95-007941-H1T	" " " Rerun "	10X					
	16	✓								95-007941-H1T	" " " "	2X					
	17	✓								95-007941-H2T	" " " Duplicate "	2X					
	18	✓								95-007941-H1B	" " Bottom "	2X					
	19	✓								95-007941-H2B	" " " Duplicate "	2X					
	20	✓							✓	PASS	MCVA 950728I901						
	21	✓					✓				STD1-Blank 108444						
	22	✓								95-007946-HCB	KOH/Ni fusion Process Blank (KOH/Ni Fusion)	2X					
	23	✓								95-007946-H1T	QTR SEG 4B Top "	10X					
	24	✓								95-007946-H1T	" " " " "	2X					
	25	✓								95-007946-H2T	" " " " Duplicate "	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 # WD00560

Initial or Continuing Calibration [V]erification Standard

ADF = Analytical Dilution Factor (other than 1x)

file: C:\OPNOV\NOON\MSVIUM.OG.TJ2 (04-02-93)

3-1222

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	✓								95-007946-H1B	QTR SEG 4B Bottom (Fusion)	2x	Silvers	K28866	950244A	ICP1	9/11/95 ABJ
	2	✓								95-007946-H2B	" " " " Duplicate "						
	3	✓								49.33	U @ 50 ppm (950830I106 W10X)						
	4	✓							✓	PASS	MCVA 950728E901						
	5	✓							✓	PASS	MCVB 950830H901						
	6	✓							✓		SRM-1643c 103668						
	7	✓						✓			CCV1 950713H901						
	8	✓					✓				STD 1-Blank 108444						
	9																
	10																
	11																
	12																
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																
	22																
	23																
	24																
	25																

[SP] System Performance [S]tandardization or calibration

[M]id-range Calibration Verification [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 & T E # W D 0 0 5 8 0

Initial or Continuing Calibration [V]erification Standard

ADF = Analytical Dilution Factor (other than 1x)

file: C:\OFFICE\FOGRAMS\ICPLOG.TJ2 (04-02-93)

1223

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

Analysis Report Summary Fri 09-01-95 02:01:10 PM page 1

95D244A
ECP-325-405-1
9/1/95 DG

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108444	95D244A	ICP1	09/01/95	07:58	DRS	S	INT
2	SPC-BLK 108444	95D244A	ICP1	09/01/95	07:58	DRS	S	CONC
3	SPC-STD 950831I101	95D244A	ICP1	09/01/95	08:01	DRS	S	INT
4	SPC-STD 950831I101	95D244A	ICP1	09/01/95	08:01	DRS	S	CONC
5	STD1-Blank	95D244A	ICP1	09/01/95	08:26		X	IR
6	STD2	95D244A	ICP1	09/01/95	08:28		X	IR
7	STD3	95D244A	ICP1	09/01/95	08:32		X	IR
8	STD4	95D244A	ICP1	09/01/95	08:36		X	IR
9	STD5	95D244A	ICP1	09/01/95	08:39		X	IR
10	STD6	95D244A	ICP1	09/01/95	08:43		X	IR
11	STD7	95D244A	ICP1	09/01/95	08:47		X	IR
12	STD8	95D244A	ICP1	09/01/95	08:51		X	IR
13	STD9	95D244A	ICP1	09/01/95	08:55		X	IR
14	STD1-Blank	95D244A	ICP1	09/01/95	09:57		X	IR
15	STD2	95D244A	ICP1	09/01/95	10:00		X	IR
16	STD3	95D244A	ICP1	09/01/95	10:03		X	IR
17	STD4	95D244A	ICP1	09/01/95	10:07		X	IR
18	STD5	95D244A	ICP1	09/01/95	10:11		X	IR
19	STD6	95D244A	ICP1	09/01/95	10:14		X	IR
20	STD7	95D244A	ICP1	09/01/95	10:18		X	IR
21	STD8	95D244A	ICP1	09/01/95	10:22		X	IR
22	STD9	95D244A	ICP1	09/01/95	10:26		X	IR
23	STD1-Blank 108444	95D244A	ICP1	09/01/95	10:39	DRS	S	CONC
24	MCVA 950728I901	95D244A	ICP1	09/01/95	10:42	DRS	Q	CONC
25	MCVB 950830H901	95D244A	ICP1	09/01/95	10:46	DRS	Q	CONC
26	SRM-1643c 103668	95D244A	ICP1	09/01/95	10:55	DRS	Q	CONC
27	CCV1 950713H901	95D244A	ICP1	09/01/95	11:00	DRS	S	CONC
28	STD1-Blank 108444	95D244A	ICP1	09/01/95	11:14	DRS	S	CONC
29	MCVA 950728I901	95D244A	ICP1	09/01/95	11:49	DRS	Q	CONC
30	STD1-Blank 108444	95D244A	ICP1	09/01/95	11:59	DRS	S	CONC
31	95-007941-HCB	95D244A	ICP1	09/01/95	12:02	DRS	S	CONC
32	95-007941-H1T @5	95D244A	ICP1	09/01/95	12:04	DRS	S	CONC
33	95-007941-H1T	95D244A	ICP1	09/01/95	12:08	DRS	S	CONC
34	95-007941-H2T	95D244A	ICP1	09/01/95	12:11	DRS	S	CONC
35	95-007946-H1T	95D244A	ICP1	09/01/95	12:15	DRS	S	CONC
36	95-007946-H2T	95D244A	ICP1	09/01/95	12:19	DRS	S	CONC
37	MCVA 950728I901	95D244A	ICP1	09/01/95	12:23	DRS	Q	CONC
38	STD1-Blank	95D244A	ICP1	09/01/95	12:26	DRS	S	CONC
39	95-007941-HCB @2	95D244A	ICP1	09/01/95	12:33	DRS	S	CONC
40	95-007941-H1T @10 K	95D244A	ICP1	09/01/95	12:36	DRS	S	CONC
41	95-007941-H1T @10 R	95D244A	ICP1	09/01/95	12:39	DRS	S	CONC
42	95-007941-H1T @2 KOH	95D244A	ICP1	09/01/95	12:44	DRS	S	CONC
43	95-007941-H2T @2 KOH	95D244A	ICP1	09/01/95	12:47	DRS	S	CONC
44	95-007941-H1B @2 KOH	95D244A	ICP1	09/01/95	12:51	DRS	S	CONC
45	95-007941-H2B @2 KOH	95D244A	ICP1	09/01/95	12:55	DRS	S	CONC
46	MCVA 950728I901	95D244A	ICP1	09/01/95	12:59	DRS	Q	CONC
47	STD1-Blank 108444	95D244A	ICP1	09/01/95	13:03	DRS	S	CONC
48	95-007946-HCB @2 KOH	95D244A	ICP1	09/01/95	13:06	DRS	S	CONC
49	95-007946-H1T @10 K	95D244A	ICP1	09/01/95	13:10	DRS	S	CONC
50	95-007946-H1T @2 KOH	95D244A	ICP1	09/01/95	13:14	DRS	S	CONC
51	95-007946-H2T @2 KOH	95D244A	ICP1	09/01/95	13:18	DRS	S	CONC
52	95-007946-H1B @2 KOH	95D244A	ICP1	09/01/95	13:22	DRS	S	CONC
53	95-007946-H2B @2 KOH	95D244A	ICP1	09/01/95	13:26	DRS	S	CONC

Analysis Report Summary Fri 09-01-95 02:01:10 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	U 050 PPM	95D244A	ICP1	09/01/95	13:30	DRS	S	CONC
55	MCVA 950728I901	95D244A	ICP1	09/01/95	13:34	DRS	Q	CONC
56	MCVB 950830H901	95D244A	ICP1	09/01/95	13:39	DRS	Q	CONC
57	SRM-1643c 103668	95D244A	ICP1	09/01/95	13:43	DRS	Q	CONC
58	CCV1 950713H901	95D244A	ICP1	09/01/95	13:47	DRS	S	CONC
59	STD1-Blank 108444	95D244A	ICP1	09/01/95	13:50	DRS	S	CONC

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 3

#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108444	6349.67	2014.67	1601.67	1048	294.667	167.333
2	SPC-BLK 108444	-.0075	-.0456	-.0308	-.0051	-.0017	-.0004
3	SPC-STD 9508311101	6552	2081	1696	1097.67	301.667	170.333
4	SPC-STD 9508311101	-.0020	-.0333	-.0000	-.0007	-.0009	-.0002
5	STD1-Blank	.65146	.20683	.16606	.10606	.0302	.0171
6	STD2					8.26143	
7	STD3		74.8668		51.1024		
8	STD4						
9	STD5			27.479			
10	STD6						
11	STD7						1.88193
12	STD8	30.5051					
13	STD9						
14	STD1-Blank	.64663	.20623	.1659	.10403	.03023	.01706
15	STD2					8.32413	
16	STD3		74.9354		51.0151		
17	STD4						
18	STD5			27.3238			
19	STD6						
20	STD7						1.92043
21	STD8	30.9648					
22	STD9						
23	STD1-Blank 108444	-.0005	.0012	.0033	-.0024	-.0003	.0000
24	MCVA 950728I901	.4819	25.08	2.617	1.997	.5085	.0934
25	MCVB 950830H901	-.0037	-.1913	-.0046	-.0016	-.0003	.0002
26	SRM-1643c 103668	Q-.0014	Q.0979	.0821	Q.1113	.0492	.0220
27	CCV1 950713H901	-.0006	1.914	2.036	1.948	.9990	.9585
28	STD1-Blank 108444	.0011	.0017	.0056	-.0002	.0000	.0000
29	MCVA 950728I901	.4868	25.45	2.659	2.035	.5170	.0945
30	STD1-Blank 108444	.0008	.0025	.0056	-.0005	.0001	.0000
31	95-007941-HCB	.0056	.0283	.0111	.0499	.0011	.0001
32	95-007941-H1T @5	.0003	48.07	.0387	.0313	.0019	.0001
33	95-007941-H1T	.0029	243.1	.2233	.1591	.0101	.0006
34	95-007941-H2T	.0064	320.8	.2904	.1832	.0136	.0008
35	95-007946-H1T	.0066	.0393	.0114	-.0023	.0014	.0001
36	95-007946-H2T	.0048	.0209	.0017	-.0017	.0010	.0001
37	MCVA 950728I901	.4815	25.03	2.638	2.005	.5081	.0933
38	STD1-Blank	.0001	.0004	-.0008	-.0009	-.0001	-.0000
39	95-007941-HCB @2 KOH	.0038	.4502	.0380	.1494	.0041	.0001
40	95-007941-H1T @10 K	.0027	14.87	.0360	.0282	.0028	.0001
41	95-007941-H1T @10 Rerun	.0030	14.72	.0337	.0266	.0028	.0001
42	95-007941-H1T @2 KOH	.0058	69.60	.1296	.1350	.0113	.0004
43	95-007941-H2T @2 KOH	.0056	68.44	.1189	.1569	.0078	.0003
44	95-007941-H1B @2 KOH	.0089	73.84	.1145	.1602	.0136	.0005
45	95-007941-H2B @2 KOH	.0072	90.30	.1408	.1227	.0083	.0004
46	MCVA 950728I901	.4845	25.25	2.645	2.015	.5105	.0937
47	STD1-Blank 108444	.0004	.0044	.0062	.0001	-.0000	.0000
48	95-007946-HCB @2 KOH	.0064	.5151	.0801	.1151	.0049	.0003
49	95-007946-H1T @10 K	.0007	1.432	.0188	.0262	.0702	.0001
50	95-007946-H1T @2 KOH	.0085	6.716	.1156	.1377	.3155	.0008
51	95-007946-H2T @2 KOH	.0070	5.430	.1015	.1522	.2317	.0006
52	95-007946-H1B @2 KOH	.0080	6.201	.1128	.1310	.3107	.0007
53	95-007946-H2B @2 KOH	.0063	5.548	.0891	.1522	.2658	.0006

ALO-129 Acid Ext

ALO-115

Analysis Report Averages Fri 09-01-95 02:01:10 PM page

#	Sample Name	Ag	Al	As	B	Ba	Be
54	U @50 PPM	.0012	-.0723	.0165	-.0093	.0002	.0004
55	MCVA 950728I901	.4805	25.05	2.621	1.993	.5044	.0925
56	MCVB 950830H901	-.0036	-.1600	.0013	-.0019	-.0003	.0002
57	SRM-1643c 103668	Q-.0024	Q.0983	Q.0780	Q.1125	.0496	.0219
58	CCV1 950713H901	-.0025	1.954	2.067	1.993	1.018	.9615
59	STD1-Blank 108444	-.0015	-.0042	.0021	-.0031	-.0006	.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SFC-BLK 108444	1360.33	1227	415	6102	1363	435
2	SFC-BLK 108444	-.0271	-.0299	-.0041	-.0425	-.0078	-.0051
3	SFC-STD 950831I101	1672.33	1220	446.333	6216.67	1396.67	479.333
4	SFC-STD 950831I101	-.0124	-.0332	-.0013	-.0229	-.0043	.0016
5	STD1-Blank	.1411	.12606	.04523	.62503	.13959	.0452
6	STD2					17.6366	12.7087
7	STD3		80.1821	10.0366			
8	STD4						
9	STD5				25.494		
10	STD6						
11	STD7						
12	STD8	27.2894					
13	STD9						
14	STD1-Blank	.14156	.12523	.04419	.61923	.13963	.04659
15	STD2					17.6225	12.6539
16	STD3		79.469	9.9561			
17	STD4						
18	STD5				25.5161		
19	STD6						
20	STD7						
21	STD8	27.7138					
22	STD9						
23	STD1-Blank 108444	-.0043	.0005	-.0008	-.0047	-.0006	-.0013
24	MCVA 950728I901	24.30	25.20	.4998	-.0357	1.038	1.041
25	MCVB 950830H901	-.0021	.0453	.0004	2.022	.0014	.0017
26	SRM-1643c 103668	.0084	35.85	Q.0111	-.0244	Q.0217	Q.0223
27	CCV1 950713H901	1.901	1.945	.9882	-.0013	1.042	.5249
28	STD1-Blank 108444	-.0005	.0008	.0007	.0013	.0006	-.0016
29	MCVA 950728I901	24.60	25.46	.5026	-.0487	1.049	1.043
30	STD1-Blank 108444	.0009	.0016	.0004	.0042	.0015	.0015
31	95-007941-HCB	.0048	-.0090	.0021	.0354	.0037	.0008
32	95-007941-H1T @5	.0059	.1094	.0018	.0010	.0018	.1744
33	95-007941-H1T	.0298	.2624	.0061	.0169	.0113	.8806
34	95-007941-H2T	.0612	.4269	.0116	.0227	.0266	4.570
35	95-007946-H1T	.0118	-.0147	.0020	.0411	.0040	.0008
36	95-007946-H2T	.0061	-.0144	.0016	.0403	.0033	.0023
37	MCVA 950728I901	24.29	25.25	.4996	-.0296	1.040	1.033
38	STD1-Blank	-.0007	.0031	.0021	-.0028	-.0001	-.0020
39	95-007941-HCB @2 KOH	.0254	.1214	.0106	.0124	.0144	.0182
40	95-007941-H1T @10 KOH	.0338	.1017	.0053	.0155	.0068	.0148
41	95-007941-H1T @10 Raw	.0315	.0584	.0048	.0187	.0067	.0165
42	95-007941-H1T @2 KOH	.1470	.5811	.0136	.0299	.0253	.0748
43	95-007941-H2T @2 KOH	.0518	.7437	.0144	.0263	.0203	.0799
44	95-007941-H1B @2 KOH	.1097	.6836	.0121	.0504	.0117	.0750

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 5

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
45	95-007941-H2B @2 KOH	.0279	.9795	.0040	.0403	.0215	.0860
46	MCVA 950728I901	24.37	25.42	.4985	-.0392	1.048	1.035
47	STD1-Blank 108444	-.0014	.0037	.0006	.0008	.0002	.0000
48	95-007946-HCB @2 KOH	.0852	.1863	.0131	.0294	.0338	.0378
49	95-007946-H1T @10 K	.3263	1.273	.0068	-.0016	.0075	.0610
50	95-007946-H1T @2 KOH	1.563	6.152	.0268	.0637	.0431	.2782
51	95-007946-H2T @2 KOH	1.219	4.478	.0382	.0512	.0401	.2055
52	95-007946-H1B @2 KOH	1.505	5.947	.0225	.0682	.0357	.2522
53	95-007946-H2B @2 KOH	1.317	5.421	.0149	.0537	.0319	.2199
54	U @50 PPM	-.0168	.0412	.0001	.0173	.0035	-.0006
55	MCVA 950728I901	24.11	25.20	.4972	-.0322	1.040	1.024
56	MCVB 950830H901	-.0022	.0542	.0014	2.051	.0007	.0013
57	SRM-1643c 103668	.0134	35.93	.0113	-.0271	0.0210	0.0198
58	CCV1 950713H901	1.901	1.959	.9863	-.0188	1.053	.5193
59	STD1-Blank 108444	-.0036	-.0078	.0008	-.0135	-.0012	-.0014

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108444	452	1877.67	327.667	546.333	2101.67	958
2	SPC-BLK 108444	-.0092	-.0069	-.0022	-.0068	-1.105	-.0119
3	SPC-STD 950831I101	24156	2147.67	334	613	2141.67	980
4	SPC-STD 950831I101	9.922	-.0076	-.0013	-.0051	-.4320	-.0059
5	STD1-Blank	.04646	.19296	.0335	.05646	.21456	.09806
6	STD2	4.74696			76.4156		
7	STD3					3.05193	
8	STD4		49.4982	11.4435			6.26586
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank	.04656	.19169	.03346	.05586	.21279	.0978
15	STD2	4.78639			76.1746		
16	STD3					3.11676	
17	STD4		49.4862	11.4503			6.2783
18	STD5						
19	STD6						
20	STD7						
21	STD8						
22	STD9						
23	STD1-Blank 108444	.0005	.0000	-.0000	-.0000	-.1148	-.0017
24	MCVA 950728I901	1.021	-.0003	.0020	20.57	25.81	.0037
25	MCVB 950830H901	-.0143	2.033	2.036	.0122	-.2811	2.043
26	SRM-1643c 103668	0.0186	-.0032	-.0001	0.1196	01.618	.0018
27	CCV1 950713H901	2.032	-.0005	.0003	2.029	4.894	.0004
28	STD1-Blank 108444	-.0005	.0006	.0001	.0010	.0516	.0018
29	MCVA 950728I901	1.031	-.0009	.0017	20.89	25.60	.0051
30	STD1-Blank 108444	-.0002	.0015	.0002	.0005	.1032	.0024
31	95-007941-HCB	.0032	.0057	.0015	.0061	1.124	.0113
32	95-007941-H1T @5	.0096	.0007	.0000	.9413	.0516	.0024
33	95-007941-H1T	.0529	.0030	.0009	4.708	.9750	.0080
34	95-007941-H2T	.0694	.0036	.0025	18.79	1.067	.0119
35	95-007946-H1T	.0048	.0073	.0020	.0045	1.422	.0132

Acid

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 6

#	Sample Name	Cu	Dy	Eu	Fe	K	La
36	95-007946-H2T	.0024	.0054	.0014	.0028	1.044	.0101
37	MCVA 950728I901	1.015	.0005	.0020	20.63	25.14	.0066
38	STD1-Blank	-.0015	.0006	-.0002	.0024	-.1319	.0018
39	95-007941-HCB @2 KOH	-.0295	.0038	.0005	.2961	5015.	.0078
40	95-007941-H1T @10 KOH	-.0019	.0042	.0007	.1641	1125.	.0064
41	95-007941-H1T @10 Rerun	-.0025	.0040	.0007	.1620	1114.	.0070
42	95-007941-H1T @2 KOH	-.0103	.0084	.0011	.7507	4932.	.0126
43	95-007941-H2T @2 KOH	-.0093	.0067	.0012	.4988	4761.	.0089
44	95-007941-H1B @2 KOH	.0087	.0084	.0022	.9276	4591.	.0249
45	95-007941-H2B @2 KOH	.0326	.0075	.0020	.7597	4884.	.0135
46	MCVA 950728I901	1.020	.0009	.0022	20.75	25.56	.0088
47	STD1-Blank 108444	.0006	.0013	.0001	.0020	-.3326	.0022
48	95-007946-HCB @2 KOH	.0148	.0105	.0014	.1906	4942.	.0096
49	95-007946-H1T @10 K	-.0001	.0004	-.0001	3.280	1142.	.0042
50	95-007946-H1T @2 KOH	.0159	.0066	.0024	15.00	4954.	.0257
51	95-007946-H2T @2 KOH	.0068	.0066	.0018	11.23	4960.	.0235
52	95-007946-H1B @2 KOH	.0106	.0062	.0025	14.45	4576.	.0295
53	95-007946-H2B @2 KOH	-.0087	.0043	.0019	13.05	4807.	.0203
54	U @50 PPM	-.0264	-.0063	-.0008	.0056	.0000	.0069
55	MCVA 950728I901	1.007	.0017	.0023	20.53	25.05	.0093
56	MCVB 950830H901	-.0152	2.066	2.064	.0126	-.9922	2.075
57	SRM-1643c 103668	Q.0170	-.0033	-.0001	Q.1199	Q.9864	.0030
58	CCV1 950713H901	2.059	-.0019	-.0005	2.046	4.221	-.0025
59	STD1-Blank 108444	-.0022	-.0004	-.0005	-.0009	-1.061	-.0012

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108444	401.667	2300.33	187.667	770.333	394.667	3564.33
2	SPC-BLK 108444	-.0049	-.0347	-.0013	-.0077	-.0706	-.0415
3	SPC-STD 950831I101	28108	2445.33	71435.3	811.333	406.667	3642.67
4	SPC-STD 950831I101	9.979	-.0140	9.853	-.0070	-.0204	-.0208
5	STD1-Blank	.04083	.23543	.01926	.079	.04076	.36553
6	STD2		46.2825		12.1261	5.85166	
7	STD3	13.6141		7.16656			
8	STD4						17.066
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank	.0408	.23536	.01936	.07903	.0406	.36283
15	STD2		46.2793		12.1377	5.98116	
16	STD3	13.8778		7.11236			
17	STD4						17.1414
18	STD5						
19	STD6						
20	STD7						
21	STD8						
22	STD9						
23	STD1-Blank 108444	-.0007	-.0059	-.0001	.0002	-.0056	-.0039
24	MCVA 950728I901	1.937	26.60	.5177	1.035	24.48	.0063
25	MCVB 950830H901	-.0011	.0864	.0001	-.0011	.0222	1.984
26	SRM-1643c 103668	Q.0100	Q9.990	.0355	.1051	Q11.59	-.0094

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 7

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
27	CCV1 950713H901	1.947	2.080	1.029	2.009	7.907	.0020
28	STD1-Blank 108444	.0013	.0038	-.0002	-.0007	.0097	.0044
29	MCVA 950728I901	1.961	26.90	.5242	1.050	24.68	.0046
30	STD1-Blank 108444	.0007	.0085	-.0002	.0001	.0167	.0072
31	95-007941-HCB	.0040	.0242	.0005	.0020	.1465	.0319
32	95-007941-H1T @5	.0141	.0431	.0196	.0035	37.43	.0019
33	95-007941-H1T	.0683	.1904	.0990	.0189	183.7	.0156
34	95-007941-H2T	.0238	.3219	.4234	.0350	118.2	.0275
35	95-007946-H1T	.0063	.0257	.0004	.0023	.0958	.0435
36	95-007946-H2T	.0052	.0182	.0001	.0012	.0820	.0332
37	MCVA 950728I901	1.917	26.59	.5173	1.040	24.24	.0117
38	STD1-Blank	.0007	.0053	-.0001	.0002	.0155	-.0010
39	95-007941-HCB @2 KOH	.0534	.0509	.0955	.0099	2.146	.0143
40	95-007941-H1T @10 KOH	.0135	.0457	.0336	.0032	10.93	.0167
41	95-007941-H1T @10 Rerun	.0132	.0500	.0335	.0043	10.82	.0172
42	95-007941-H1T @2 KOH	.0535	.1633	.1542	.0146	49.57	.0259
43	95-007941-H2T @2 KOH	.0600	.1136	.1392	.0146	50.12	.0289
44	95-007941-H1B @2 KOH	.0413	.2059	.1109	.0124	50.86	.0435
45	95-007941-H2B @2 KOH	.0210	.1635	.1186	.0140	60.51	.0385
46	MCVA 950728I901	1.945	26.77	.5212	1.047	24.63	.0137
47	STD1-Blank 108444	.0011	.0073	-.0002	-.0000	.0125	.0026
48	95-007946-HCB @2 KOH	.0112	.0570	.2029	.0121	2.249	.0308
49	95-007946-H1T @10 K	.0126	.1721	.0884	.0032	11.95	.0042
50	95-007946-H1T @2 KOH	.0649	.8196	.4092	.0194	53.73	.0562
51	95-007946-H2T @2 KOH	.0856	.6349	.3335	.0166	60.75	.0474
52	95-007946-H1B @2 KOH	.0647	.7196	.3420	.0167	54.36	.0543
53	95-007946-H2B @2 KOH	.0304	.6477	.3038	.0145	49.59	.0409
54	U @50 PPM	.0053	.3304	.0007	-.0010	.0146	-.0145
55	MCVA 950728I901	1.928	26.51	.5163	1.036	24.55	.0144
56	MCVB 950830H901	.0005	.1035	-.0000	-.0008	.0361	2.015
57	SRM-1643c 103668	0.0120	010.05	.0353	.1047	12.32	-.0116
58	CCV1 950713H901	2.087	2.106	1.035	2.026	8.536	-.0111
59	STD1-Blank 108444	.0001	-.0033	-.0001	-.0008	-.0208	-.0088

Acid

Fusion

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
1	SPC-BLK 108444	444	1230.33	12883.7	14724.7	14703.7	2476
2	SPC-BLK 108444	-.0096	-.0478	-.0630	-.1301	-.0611	-.0581
3	SPC-STD 950831I101	464	1434	134313	15065.3	15032.7	2649.67
4	SPC-STD 950831I101	-.0034	-.0243	9.805	-.0745	-.0334	-.0088
5	STD1-Blank	.04643	.12829	1.32196	1.50849	1.51056	.2547
6	STD2	6.07999		60.0062			
7	STD3		14.104				
8	STD4						36.4954
9	STD5						
10	STD6						
11	STD7						
12	STD8				21.1194	50.4712	
13	STD9						
14	STD1-Blank	.04606	.1261	1.31973	1.50606	1.50163	.25703
15	STD2	6.09833		59.6687			
16	STD3		13.9647				
17	STD4						

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 8

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
18	STD5						36.383
19	STD6						
20	STD7						
21	STD8						
22	STD9				21.3371	51.1529	
23	STD1-Blank 108444	.0008	-.0136	-.0032	-.0023	-.0010	.0055
24	MCVA 950728I901	1.063	.0629	2.637	-.0352	-.0041	2.558
25	MCVB 950830H901	.0031	-.0176	.0332	2.013	0.1286	.0025
26	SRM-1643c 103668	.0615	.0058	0.0179	-.0533	-.0220	-.0157
27	CCV1 950713H901	2.104	4.820	2.073	-.0097	.0026	-.0094
28	STD1-Blank 108444	-.0006	.0215	.0017	.0024	.0028	-.0013
29	MCVA 950728I901	1.081	.0866	2.654	-.0483	-.0098	2.588
30	STD1-Blank 108444	.0008	.0138	.0046	.0121	.0067	.0052
31	95-007941-HCB	.0045	.0409	.0267	.0860	.0416	.0196
32	95-007941-H1T @5	.1714	10.92	.0180	-.0014	.0010	-.0089
33	95-007941-H1T	.8513	55.48	.1458	.0348	.0182	-.0301
34	95-007941-H2T	2.952	30.23	.1748	.0439	.0262	-.0513
35	95-007946-H1T	.0054	.0455	.0278	.1139	.0552	.0214
36	95-007946-H2T	.0040	.0298	.0201	.0821	.0408	.0120
37	MCVA 950728I901	1.073	.0726	2.641	-.0271	.0009	2.560
38	STD1-Blank	.0021	.0156	-.0095	-.0082	-.0004	.0079
39	95-007941-HCB @2	11.38	.0942	.0577	.0282	.0522	.0343
40	95-007941-H1T @10 K	10.87	2.613	.0350	.0468	.0311	.0183
41	95-007941-H1T @10 R	10.78	2.595	.0366	.0421	.0322	.0164
42	95-007941-H1T @2 KOH	49.62	12.34	.1263	.0689	.0662	.0447
43	95-007941-H2T @2 KOH	25.96	15.54	.0959	.0628	.0556	.0443
44	95-007941-H1B @2 KOH	13.21	15.05	.1310	.1144	.0724	.0459
45	95-007941-H2B @2 KOH	3.585	18.29	.0885	.0964	.0598	.0366
46	MCVA 950728I901	1.078	.0974	2.663	-.0276	.0038	2.578
47	STD1-Blank 108444	.0034	.0250	-.0011	.0009	.0022	.0106
48	95-007946-HCB @2 KOH	67.51	.1432	.0656	.1996	.0969	.0576
49	95-007946-H1T @10 K	18.14	2.177	.1062	-.0711	.0046	.0089
50	95-007946-H1T @2 KOH	82.86	10.41	.5453	-.1700	.0788	.0583
51	95-007946-H2T @2 KOH	79.19	14.79	.4123	-.1147	.0751	.0522
52	95-007946-H1B @2 KOH	66.84	11.52	.5048	-.1568	.0777	.0508
53	95-007946-H2B @2 KOH	50.15	11.03	.4581	-.1555	.0527	.0449
54	U @50 PPM	.0099	.0480	.1861	-.4727	-.0464	-.0125
55	MCVA 950728I901	1.073	.0874	2.630	-.0106	.0057	2.565
56	MCVB 950830H901	.0055	-.0002	.0264	2.151	0.1349	.0047
57	SRM-1643c 103668	.0607	.0237	0.0054	-.0821	-.0309	-.0062
58	CCV1 950713H901	2.125	4.856	2.062	-.0556	-.0156	-.0137
59	STD1-Blank 108444	.0016	-.0015	-.0172	-.0358	-.0150	-.0032

Acid

KOH fusion

#	Sample Name	Se	Si	Sn	Sr	Te	Th
1	SPC-BLK 108444	1479.33	4944.33	6567.67	139	9441	2263.33
2	SPC-BLK 108444	-.0432	.1373	-.2242	-.0008	-.0612	-.0128
3	SPC-STD 950831I101	1518.67	5020.67	6798	141.333	10358	2336.33
4	SPC-STD 950831I101	-.0239	.1491	-.1267	-.0005	-.0450	-.0019
5	STD1-Blank	.15103	.43783	.67653	.0142	.97503	.23416
6	STD2				8.6484		
7	STD3						
8	STD4						12.1256

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 9

#	Sample Name	Se	Si	Sn	Sr	Te	Th
9	STD5						
10	STD6						
11	STD7		77.9695			55.1037	
12	STD8	3.93456					
13	STD9			8.50863			
14	STD1-Blank	.15313	.41606	.6722	.01429	.97233	.23156
15	STD2				8.80953		
16	STD3						12.0734
17	STD4						
18	STD5						
19	STD6						
20	STD7		79.2417			56.3482	
21	STD8	4.0184					
22	STD9			8.57206			
23	STD1-Blank 108444	-.0006	-.0254	.0034	-.0000	-.0096	.0036
24	MCVA 950728I901	2.459	18.87	-.1023	.5139	-.0104	.0492
25	MCVB 950830H901	.0137	-.0797	2.006	.0000	1.811	5.204
26	SRM-1643c 103668	0.0162	-.0671	-.1208	.2651	-.0158	-.0094
27	CCV1 950713H901	1.921	4.827	-.0070	2.023	-.0224	.0042
28	STD1-Blank 108444	.0023	.0075	.0036	.0000	.0034	.0033
29	MCVA 950728I901	2.499	19.17	-.1123	.5244	-.0138	.0500
30	STD1-Blank 108444	.0103	-.0071	.0148	.0000	.0095	.0007
31	95-007941-HCB	.0168	.0394	.0899	.0004	.0185	.0030
32	95-007941-H1T @5	-.0048	.3137	.0031	.0051	-.0096	.0006
33	95-007941-H1T	-.0153	1.634	.0218	.0252	-.0327	.0146
34	95-007941-H2T	-.0042	1.784	-.0114	.0486	-.0449	.0359
35	95-007946-H1T	.0215	-.0087	.1338	.0005	.0192	.0022
36	95-007946-H2T	.0157	-.0104	.1055	.0003	.0158	.0070
37	MCVA 950728I901	2.493	18.93	-.0853	.5160	-.0082	.0463
38	STD1-Blank	.0025	.0087	-.0228	-.0000	-.0021	.0029
39	95-007941-HCB @2 KOH	.0437	.4443	.1629	.0020	.0351	.0199
40	95-007941-H1T @10 KOH	.0263	.6454	.1212	.0030	.0131	.0057
41	95-007941-H1T @10 Rerun	.0232	.6597	.1129	.0029	.0219	.0115
42	95-007941-H1T @2 KOH	.0545	2.998	.2530	.0134	.0474	.0336
43	95-007941-H2T @2 KOH	.0535	2.089	.2170	.0110	.0396	.0272
44	95-007941-H1B @2 KOH	.0408	2.773	.2550	.0158	.0488	.0199
45	95-007941-H2B @2 KOH	.0424	2.576	.2224	.0158	.0391	.0132
46	MCVA 950728I901	2.503	19.10	-.0808	.5196	-.0070	.0508
47	STD1-Blank 108444	-.0014	.0017	.0108	.0000	.0031	.0082
48	95-007946-HCB @2 KOH	.0577	.1800	.2788	.0024	.0599	.0441
49	95-007946-H1T @10 K	.0193	.3524	.0228	3.051	.0142	.1127
50	95-007946-H1T @2 KOH	.0817	1.724	.3123	13.90	.0815	.5327
51	95-007946-H2T @2 KOH	.0724	1.921	.2679	9.791	.0757	.4113
52	95-007946-H1B @2 KOH	.0760	1.602	.2808	14.12	.0742	.5064
53	95-007946-H2B @2 KOH	.0656	1.395	.2189	12.01	.0729	.4328
54	U @50 PPM	.0048	.0025	.0746	.0010	-.0052	.7212
55	MCVA 950728I901	2.490	18.90	-.0776	.5400	-.0060	.0515
56	MCVB 950830H901	.0015	-.0307	1.993	.0007	1.837	5.259
57	SRM-1643c 103668	.0128	.0117	-.1252	0.2827	-.0088	-.0069
58	CCV1 950713H901	1.957	4.963	-.0623	2.175	-.0305	.0041
59	STD1-Blank 108444	.0067	-.0321	-.0567	.0007	-.0025	.0001

KOH fusion

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 10

#	Sample Name	Ti	Tl	U	V	W	Y
1	SPC-BLK 108444	631	349.667	16626.3	943.333	295.667	248.333
2	SPC-BLK 108444	-.0030	-.0152	-.7743	-.0057	-.0273	-.0024
3	SPC-STD 950831I101	646.667	380.333	17024.7	969	312.333	252.667
4	SPC-STD 950831I101	-.0013	.0330	-.4038	-.0025	-.0174	-.0014
5	STD1-Blank	.0645	.03536	1.70519	.09703	.03003	.02539
6	STD2	15.3532					
7	STD3						
8	STD4						
9	STD5				12.4769		3.25416
10	STD6			51.8043			
11	STD7						
12	STD8		1.24406				
13	STD9					3.29106	
14	STD1-Blank	.06409	.03523	1.69633	.09633	.03053	.0252
15	STD2	15.3894					
16	STD3						
17	STD4						
18	STD5				12.3725		3.20813
19	STD6			52.6533			
20	STD7						
21	STD8		1.26736				
22	STD9					3.30099	
23	STD1-Blank 108444	.0000	-.0052	-.0262	-.0002	-.0025	.0000
24	MCVA 950728I901	1.002	2.477	.0657	1.002	.0308	-.0001
25	MCVB 950830H901	.0002	-.0092	08.362	-.0021	1.910	1.024
26	SRM-1643c 103663	.0070	.0064	-.0238	0.0268	.0017	-.0027
27	CCV1 950713H901	.0002	1.902	.0388	.9697	.0038	-.0002
28	STD1-Blank 108444	.0002	.0014	.0695	.0008	.0132	.0004
29	MCVA 950728I901	1.018	2.508	.0159	1.015	.0327	-.0003
30	STD1-Blank 108444	.0003	.0028	.1087	.0007	.0044	.0004
31	95-007941-HCB	.0021	.0011	.5314	.0046	.0201	.0020
32	95-007941-H1T @5	.0079	.0833	.0861	.0159	.0060	.0001
33	95-007941-H1T	.0392	.4786	.3737	.0808	.0346	.0014
34	95-007941-H2T	.0794	.6521	.5662	.0590	.0546	.0023
35	95-007946-H1T	.0026	.0037	.6589	.0050	.0182	.0025
36	95-007946-H2T	.0020	.0034	.4791	.0039	.0078	.0020
37	MCVA 950728I901	1.005	2.488	.1073	1.002	.0389	-.0001
38	STD1-Blank	.0001	-.0061	-.0300	-.0002	.0052	-.0001
39	95-007941-HCB @2 KOH	.1122	.0251	.2673	.0046	.0307	.0010
40	95-007941-H1T @10 KOH	.0394	.0351	.3713	.0074	.0227	.0008
41	95-007941-H1T @10 Rerun	.0394	.0342	.2950	.0072	.0217	.0010
42	95-007941-H1T @2 KOH	.1803	.1721	.6207	.0262	.0743	.0017
43	95-007941-H2T @2 KOH	.0920	.1557	.5486	.0231	.0601	.0018
44	95-007941-H1B @2 KOH	.0735	.1796	.7958	.0326	.0527	.0030
45	95-007941-H2B @2 KOH	.0562	.2017	.7508	.0382	.0462	.0026
46	MCVA 950728I901	1.012	2.502	.1243	1.008	.0377	.0001
47	STD1-Blank 108444	.0001	-.0063	.0340	.0008	.0056	.0002
48	95-007946-HCB @2 KOH	.1658	.0337	.6920	.0066	.0815	.0020
49	95-007946-H1T @10 K	.0527	.0049	6.849	.0011	.0303	.0012
50	95-007946-H1T @2 KOH	.2451	.0534	30.88	.0111	.1103	.0085
51	95-007946-H2T @2 KOH	.2145	.0505	23.47	.0100	.0978	.0068
52	95-007946-H1B @2 KOH	.1349	.0517	29.25	.0102	.0929	.0083
53	95-007946-H2B @2 KOH	.1558	.0446	25.60	.0087	.0717	.0068

KOH fusion

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 11

#	Sample Name	Ti	Tl	U	V	W	Y
54	U @50 PPM	.0011	-.0029	49.33	.0016	.0006	.0037
55	MCVA 950728I901	1.002	2.478	.1828	.9981	.0347	.0004
56	MCVB 950830H901	.0002	-.0163	08.246	-.0029	1.902	1.017
57	SRM-1643c 103668	.0067	0.0011	-.1365	0.0261	.0139	-.0030
58	CCV1 950713H901	-.0008	1.910	-.1806	.9776	.0039	-.0006
59	STD1-Blank 108444	-.0009	-.0070	-.1653	-.0012	.0067	-.0007

#	Sample Name	Zn	Zr
1	SPC-BLK 108444	323.333	782.333
2	SPC-BLK 108444	-.0008	-.0046
3	SPC-STD 950831I101	149107	801
4	SPC-STD 950831I101	9.806	-.0023
5	STD1-Blank	.03193	.08023
6	STD2	29.6181	26.0988
7	STD3		
8	STD4		
9	STD5		
10	STD6		
11	STD7		
12	STD8		
13	STD9		
14	STD1-Blank	.0333	.07963
15	STD2	29.8336	26.0397
16	STD3		
17	STD4		
18	STD5		
19	STD6		
20	STD7		
21	STD8		
22	STD9		
23	STD1-Blank 108444	.0001	-.0002
24	MCVA 950728I901	1.021	2.056
25	MCVB 950830H901	.0007	-.0170
26	SRM-1643c 103668	0.0864	-.0020
27	CCV1 950713H901	1.035	-.0007
28	STD1-Blank 108444	.0004	.0001
29	MCVA 950728I901	1.044	2.095
30	STD1-Blank 108444	.0003	.0004
31	95-007941-HCB	.0026	.0043
32	95-007941-H1T @5	.0147	.0004
33	95-007941-H1T	.0621	.0036
34	95-007941-H2T	.0782	.0039
35	95-007946-H1T	.0003	.0053
36	95-007946-H2T	-.0001	.0035
37	MCVA 950728I901	1.042	2.073
38	STD1-Blank	.0004	.0002
39	95-007941-HCB @2 KOH	.0075	.0657
40	95-007941-H1T @10 KOH	.0022	.0198
41	95-007941-H1T @10 Rerun	.0015	.0191
42	95-007941-H1T @2 KOH	.0076	.0852
43	95-007941-H2T @2 KOH	.0265	.0947
44	95-007941-H1B @2 KOH	.0418	.0570

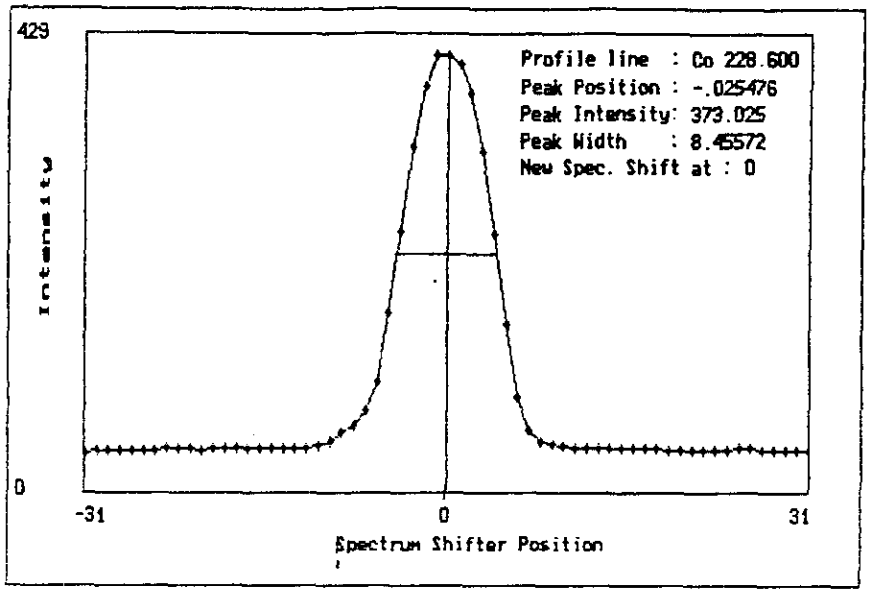
KOH fusion

3-12:34

Analysis Report Averages Fri 09-01-95 02:01:10 PM page 12

#	Sample Name	Zn	Zr
45	95-007941-H2B @2 KOH	.0557	.0077
46	MCVA 950728I901	1.053	2.089
47	STD1-Blank 108444	.0005	.0001
48	95-007946-HCB @2 KOH	-.0329	.0069
49	95-007946-H1T @10 K	.0055	.0052
50	95-007946-H1T @2 KOH	.0376	.0262
51	95-007946-H2T @2 KOH	.0198	.0203
52	95-007946-H1B @2 KOH	.0326	.0215
53	95-007946-H2B @2 KOH	.0491	.0204
54	U @50 PPM	-.0001	-.0509
55	MCVA 950728I901	1.050	2.070
56	MCVB 950830H901	.0019	-.0191
57	SRM-1643c 103669	0.0898	-.0022
58	CCV1 950713H901	1.064	-.0021
59	STD1-Blank 108444	-.0005	-.0008

950244A
ICP-325-405-1
9/1/95 DKS



Analysis Report Fri 09-01-95 07:59:42 AM page 1

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/01/95 07:58:24
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6350	2015	1602	1048	295	167	1360
SDev	15	4	11	10	1	1	10
%RSD	.2359	.1743	.7018	.9962	.1959	.3450	.7436
#1	6362	2015	1614	1060	295	168	1354
#2	6354	2011	1599	1043	295	167	1372
#3	6333	2018	1592	1041	294	167	1355

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1227	415	6102	1363	435	452	1878
SDev	2	15	22	5	10	1	8
%RSD	.1630	3.646	.3526	.3668	2.264	.2212	.4305
#1	1229	432	6081	1363	424	451	1885
#2	1227	410	6124	1368	438	452	1879
#3	1225	403	6101	1358	443	453	1869

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	328	546	2102	958	402	2300	188
SDev	1	2	3	3	2	6	1
%RSD	.1762	.2796	.1374	.2762	.5183	.2795	.6153
#1	328	548	2105	961	400	2293	189
#2	328	546	2100	957	401	2305	187
#3	327	545	2100	956	404	2303	187

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	770	395	3564	444	1230	12880	14720
SDev	3	2	8	2	13	17	42
%RSD	.3747	.3870	.2268	.3901	1.029	.1356	.2850
#1	772	396	3563	443	1228	12900	14770
#2	767	393	3573	443	1219	12870	14710
#3	772	395	3557	446	1244	12880	14690

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	14700	2476	1479	4944	6568	139	9441
SDev	32	6	5	29	41	0	13
%RSD	.2157	.2457	.3195	.5870	.6170	.0000	.1401
#1	14730	2473	1483	4976	6594	139	9436
#2	14710	2483	1481	4938	6588	139	9431
#3	14670	2472	1474	4919	6521	139	9456

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2263	631	350	16630	943	296	248
SDev	13	3	3	44	3	2	1
%RSD	.5766	.4193	.7197	.2626	.3408	.5166	.2325
#1	2251	632	347	16680	947	296	248
#2	2277	633	352	16610	941	297	249
#3	2262	628	350	16590	942	294	248

Elem	Zn	Zr
Avge	323	782
SDev	2	1
%RSD	.4724	.0738
#1	323	783
#2	322	782
#3	325	782

Analysis Report Fri 09-01-95 08:00:22 AM page 1

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/01/95 07:58:24
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	-.0075	-.0456	-.0308	-.0051	-.0017	-.0004	-.0271
SDev	.0004	.0029	.0037	.0010	.0001	.0000	.0038
%RSD	5.206	6.338	12.09	18.89	4.038	7.124	13.86
#1	-.0073	-.0457	-.0268	-.0040	-.0017	-.0003	-.0295
#2	-.0074	-.0484	-.0317	-.0056	-.0017	-.0004	-.0228
#3	-.0080	-.0426	-.0341	-.0058	-.0018	-.0004	-.0290

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0299	-.0041	-.0425	-.0078	-.0051	-.0092	-.0069
SDev	.0005	.0015	.0044	.0005	.0015	.0005	.0007
%RSD	1.631	35.44	10.39	6.954	29.57	5.669	10.88
#1	-.0294	-.0025	-.0469	-.0078	-.0067	-.0098	-.0062
#2	-.0299	-.0046	-.0381	-.0072	-.0046	-.0092	-.0068
#3	-.0304	-.0053	-.0425	-.0083	-.0038	-.0087	-.0077

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	-.0068	-1.105	-.0119	-.0049	-.0347	-.0013
SDev	.0001	.0003	.049	.0008	.0008	.0049	.0001
%RSD	3.699	4.790	4.396	6.328	15.26	14.03	11.40
#1	-.0022	-.0064	-1.049	-.0111	-.0055	-.0404	-.0011
#2	-.0022	-.0068	-1.133	-.0122	-.0052	-.0316	-.0014
#3	-.0023	-.0071	-1.133	-.0125	-.0041	-.0323	-.0014

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0077	-.0706	-.0415	-.0096	-.0478	-.0630	-.1301
SDev	.0005	.0065	.0023	.0006	.0091	.0014	.0129
%RSD	6.019	9.144	5.660	5.896	19.13	2.243	9.881
#1	-.0074	-.0650	-.0421	-.0100	-.0495	-.0615	-.1153
#2	-.0082	-.0777	-.0389	-.0100	-.0559	-.0642	-.1380
#3	-.0074	-.0691	-.0434	-.0090	-.0379	-.0634	-.1371

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0611	-.0581	-.0432	.1373	-.2242	-.0008	-.0612
SDev	.0028	.0018	.0023	.0067	.0264	.0000	.0013
%RSD	4.509	3.019	5.422	4.878	11.76	.5111	2.129
#1	-.0586	-.0590	-.0415	.1446	-.2080	-.0008	-.0619
#2	-.0607	-.0561	-.0423	.1359	-.2100	-.0008	-.0621
#3	-.0641	-.0592	-.0459	.1314	-.2546	-.0008	-.0597

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0128	-.0030	-.0152	-.7743	-.0057	-.0273	-.0024
SDev	.0071	.0003	.0041	.0477	.0004	.0021	.0002

%RSD	55.62	10.62	26.85	6.164	7.619	7.773	7.153
#1	-.0203	-.0029	-.0197	-.7195	-.0052	-.0270	-.0026
#2	-.0062	-.0028	-.0116	-.7972	-.0060	-.0254	-.0022
#3	-.0118	-.0034	-.0145	-.8063	-.0059	-.0296	-.0025

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0008	-.0047
SDev	.0001	.0006
%RSD	11.77	12.44
#1	-.0009	-.0040
#2	-.0009	-.0052
#3	-.0007	-.0048

Analysis Report Fri 09-01-95 08:02:35 AM page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/01/95 08:01:17
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6552	2081	1696	1098	302	170	1672
SDev	34	6	18	9	1	1	6
%RSD	.5169	.2923	1.073	.7960	.1914	.3390	.3604
#1	6574	2085	1685	1088	302	170	1678
#2	6569	2084	1717	1105	302	171	1666
#3	6513	2074	1686	1100	301	170	1673

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1220	446	6217	1397	479	24160	2148
SDev	5	4	28	7	6	72	9
%RSD	.3756	.7868	.4462	.5080	1.275	.2976	.4068
#1	1219	443	6240	1403	486	24110	2150
#2	1225	450	6224	1398	474	24120	2155
#3	1216	446	6186	1389	478	24240	2138

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	334	613	2142	980	28110	2445	71440
SDev	2	4	9	6	782	13	72
%RSD	.5186	.5882	.3971	.6372	2.784	.5274	.1012
#1	335	614	2145	982	27680	2456	71470
#2	335	616	2148	985	27630	2449	71480
#3	332	609	2132	973	29010	2431	71350

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	811	407	3643	464	1434	134300	15070
SDev	6	3	15	4	39	189	73
%RSD	.7531	.7905	.4220	.7771	2.722	.1407	.4873
#1	810	409	3653	467	1436	134500	15100
#2	818	408	3650	465	1394	134100	15120
#3	806	403	3625	460	1472	134300	14980

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	15030	2650	1519	5021	6798	141	10360
SDev	66	8	23	22	16	1	40
%RSD	.4416	.3027	1.502	.4283	.2354	.4085	.3857
#1	15080	2649	1506	4997	6814	141	10380
#2	15060	2642	1545	5026	6798	142	10380
#3	14960	2658	1505	5039	6782	141	10310

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2336	647	380	17020	969	312	253
SDev	8	3	5	43	3	6	1
%RSD	.3213	.4971	1.186	.2499	.3096	1.821	.2285
#1	2332	649	380	17030	972	306	253
#2	2345	648	385	17070	969	314	253
#3	2332	643	376	16980	966	317	252

Elem	Zn	Zr
Avge	149100	801
SDev	176	3
%RSD	.1180	.3303
#1	148900	803
#2	149200	802
#3	149200	798

Analysis Report Fri 09-01-95 08:03:38 AM page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/01/95 08:01:17
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	-.0020	-.0333	-.0000	-.0007	-.0009	-.0002	-.0124
SDev	.0010	.0032	.0061	.0008	.0001	.0000	.0023
%RSD	51.40	9.694	18010.	128.2	7.838	11.22	18.29
#1	-.0013	-.0304	-.0039	-.0016	-.0008	-.0003	-.0101
#2	-.0015	-.0326	.0070	.0000	-.0008	-.0002	-.0146
#3	-.0031	-.0368	-.0032	-.0004	-.0009	-.0003	-.0124

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0332	-.0013	-.0229	-.0043	.0016	9.922	-.0076
SDev	.0013	.0003	.0051	.0008	.0009	.030	.0008
%RSD	3.828	21.86	22.28	17.80	59.43	.3046	9.912
#1	-.0335	-.0016	-.0185	-.0036	.0026	9.904	-.0074
#2	-.0318	-.0010	-.0218	-.0042	.0007	9.903	-.0069
#3	-.0343	-.0013	-.0285	-.0052	.0014	9.957	-.0084

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-.0051	-.4320	-.0059	9.979	-.0140	9.853
SDev	.0003	.0009	.1432	.0019	.282	.0059	.010
%RSD	19.56	16.70	33.14	31.85	2.826	42.33	.1013
#1	-.0012	-.0049	-.3759	-.0052	9.826	-.0094	9.859
#2	-.0012	-.0044	-.3254	-.0044	9.807	-.0134	9.860
#3	-.0017	-.0061	-.5947	-.0080	10.30	-.0202	9.842

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0070	-.0204	-.0208	-.0034	-.0243	9.805	-.0745
SDev	.0010	.0136	.0043	.0011	.0276	.015	.0151
%RSD	13.69	66.49	20.40	33.15	113.8	.1570	20.25
#1	-.0072	-.0105	-.0179	-.0025	-.0224	9.821	-.0661
#2	-.0060	-.0148	-.0189	-.0031	-.0528	9.790	-.0655
#3	-.0079	-.0359	-.0257	-.0047	.0024	9.806	-.0919

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0334	-.0088	-.0239	.1491	-.1267	-.0005	-.0450
SDev	.0060	.0024	.0118	.0053	.0104	.0001	.0036
%RSD	18.03	27.35	49.27	3.585	8.217	11.76	7.987
#1	-.0284	-.0090	-.0305	.1434	-.1156	-.0006	-.0426
#2	-.0317	-.0111	-.0103	.1497	-.1281	-.0005	-.0434
#3	-.0401	-.0063	-.0309	.1541	-.1363	-.0006	-.0492

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-.0013	.0330	-.4038	-.0025	-.0174	-.0014
SDev	.0017	.0004	.0073	.0405	.0004	.0083	.0001

Analysis Report Fri 09-01-95 08:03:38 AM page 2

%RSD	91.89	28.74	22.07	10.03	16.67	47.35	10.15
#1	-.0038	-.0010	.0329	-.4025	-.0020	-.0266	-.0013
#2	-.0003	-.0012	.0404	-.3640	-.0026	-.0151	-.0013
#3	-.0016	-.0018	.0258	-.4450	-.0029	-.0106	-.0016

Elem	Zn	Zr
Units	ppm	ppm
Avge	9.806	-.0023
SDev	.012	.0005
%RSD	.1183	23.12
#1	9.792	-.0018
#2	9.811	-.0022
#3	9.814	-.0028

Standardization Rpt. Fri 09-01-95 08:28:16 AM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6515	.2068	.1661	.1061	.0302	.0171	.1411
SDev	.0024	.0003	.0007	.0012	.0001	.0000	.0015
%RSD	.3663	.1554	.4439	1.093	.3311	.0000	1.044
#1	.6504	.2066	.1655	.1055	.0301	.0171	.1420
#2	.6542	.2067	.1669	.1074	.0303	.0171	.1419
#3	.6498	.2072	.1658	.1053	.0302	.0171	.1394

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1261	.0452	.6250	.1396	.0452	.0465	.1930
SDev	.0003	.0016	.0031	.0005	.0007	.0001	.0004
%RSD	.2423	3.540	.4919	.3283	1.549	.3287	.2337
#1	.1260	.0436	.6215	.1391	.0459	.0463	.1925
#2	.1258	.0453	.6271	.1397	.0452	.0465	.1934
#3	.1264	.0468	.6265	.1400	.0445	.0466	.1930

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0335	.0565	.2146	.0981	.0408	.2354	.0193
SDev	.0000	.0002	.0003	.0003	.0001	.0003	.0001
%RSD	.0000	.3687	.1424	.2944	.3741	.1298	.7928
#1	.0335	.0563	.2145	.0979	.0408	.2357	.0194
#2	.0335	.0564	.2143	.0984	.0407	.2355	.0191
#3	.0335	.0567	.2149	.0979	.0410	.2351	.0193

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0790	.0408	.3655	.0464	.1283	1.322	1.508
SDev	.0007	.0004	.0007	.0003	.0010	.007	.004
%RSD	.8861	1.106	.1862	.6923	.8212	.5361	.2406
#1	.0785	.0403	.3650	.0468	.1272	1.319	1.504
#2	.0787	.0412	.3663	.0463	.1293	1.317	1.510
#3	.0798	.0408	.3653	.0462	.1284	1.330	1.511

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.511	.2547	.1510	.4378	.6765	.0142	.9750
SDev	.002	.0046	.0003	.0015	.0021	.0000	.0022
%RSD	.1201	1.794	.2023	.3390	.3161	.0000	.2308
#1	1.509	.2499	.1507	.4362	.6752	.0142	.9768
#2	1.513	.2590	.1513	.4382	.6754	.0142	.9725
#3	1.510	.2552	.1511	.4391	.6790	.0142	.9758

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2342	.0645	.0354	1.705	.0970	.0300	.0254
SDev	.0007	.0002	.0004	.001	.0001	.0003	.0001
%RSD	.2843	.2685	1.070	.0713	.1190	.8379	.3937
#1	.2349	.0644	.0358	1.705	.0971	.0300	.0254
#2	.2336	.0647	.0351	1.707	.0969	.0303	.0253
#3	.2340	.0644	.0352	1.704	.0971	.0298	.0255

Elem	Zn	Zr
Avge	.0319	.0802
SDev	.0005	.0001

%RSD	1.545	.1904
#1	.0316	.0804
#2	.0317	.0801
#3	.0325	.0802

Standardization Rpt. Fri 09-01-95 08:30:00 AM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.261	17.64	12.71	4.747	76.42	46.28	12.13
SDev	.069	.09	.07	.033	.42	.26	.07
%RSD	.8335	.5117	.5241	.7053	.5495	.5564	.5807
#1	8.234	17.59	12.68	4.733	76.25	46.19	12.08
#2	8.340	17.74	12.79	4.785	76.89	46.57	12.21
#3	8.211	17.58	12.66	4.723	76.10	46.08	12.09

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.852	6.080	60.01	8.648	15.35	29.62	26.10
SDev	.055	.031	.20	.070	.11	.17	.19
%RSD	.9436	.5172	.3260	.8103	.6868	.5583	.7297
#1	5.863	6.061	59.96	8.604	15.31	29.53	26.03
#2	5.900	6.116	60.22	8.729	15.47	29.81	26.31
#3	5.792	6.063	59.84	8.612	15.28	29.52	25.95

Standardization Rpt. Fri 09-01-95 08:33:42 AM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	74.87	51.10	80.18	10.04	3.052	13.61	7.167
SDev	.23	.14	.09	.02	.009	.04	.011
%RSD	.3121	.2825	.1095	.2383	.3061	.3221	.1598
#1	75.04	51.21	80.21	10.04	3.060	13.64	7.172
#2	74.60	50.94	80.08	10.01	3.042	13.56	7.153
#3	74.96	51.16	80.25	10.06	3.054	13.64	7.174

Elem	P
Avge	14.10
SDev	.00
%RSD	.0308
#1	14.11
#2	14.10
#3	14.11

Standardization Rpt. Fri 09-01-95 08:37:26 AM page 1

Method: ICP1 Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	49.50	11.44	6.266	17.07	12.13
SDev	.17	.04	.021	.08	.03
%RSD	.3477	.3921	.3349	.4442	.2773
#1	49.44	11.42	6.256	17.02	12.13
#2	49.37	11.41	6.251	17.03	12.09
#3	49.69	11.49	6.290	17.15	12.16

Standardization Rpt. Fri 09-01-95 08:41:00 AM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.48	25.49	36.50	12.48	3.254
SDev	.02	.03	.04	.01	.001
%RSD	.0778	.1267	.1144	.0683	.0233
#1	27.47	25.48	36.53	12.48	3.254
#2	27.47	25.47	36.45	12.47	3.253
#3	27.50	25.53	36.50	12.49	3.255

Standardization Rpt. Fri 09-01-95 08:44:52 AM page

Method: ICP1 Standard: STD6

Elem	U
Avge	51.80
SDev	.48
%RSD	.9341
#1	51.30
#2	51.85
#3	52.26

Standardization Rpt. Fri 09-01-95 08:48:29 AM page 1

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.882	77.97	55.10
SDev	.009	.27	.25
%RSD	.4566	.3449	.4528
#1	1.888	78.12	55.32
#2	1.872	77.66	54.83
#3	1.886	78.13	55.17

Standardization Rpt. Fri 09-01-95 08:52:33 AM page

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	30.51	27.29	3.935	1.244
SDev	.11	.07	.016	.003
%RSD	.3546	.2492	.3942	.2584
#1	30.63	27.37	3.950	1.246
#2	30.47	27.25	3.934	1.240
#3	30.42	27.25	3.919	1.245

Standardization Rpt. Fri 09-01-95 08:56:29 AM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.12	50.47	8.509	3.291
SDev	.12	.26	.042	.028
%RSD	.5833	.5171	.4931	.8426
#1	21.21	50.69	8.547	3.319
#2	20.98	50.18	8.464	3.264
#3	21.17	50.54	8.515	3.290

Standardization Report Fri 09-01-95 08:57:04 AM page 1

Method: ICP1 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.334968	-.218220	09/01/95 08:55:11
Al	308.215	STD3	STD1-Blank	6.69703	-1.38517	09/01/95 08:55:11
As	193.600	STD5	STD1-Blank	3.66126	-.608014	09/01/95 08:55:11
B	249.600	STD3	STD1-Blank	.980462	-.103994	09/01/95 08:55:11
Ba	493.400	STD2	STD1-Blank	1.21488	-.036690	09/01/95 08:55:11
Be	313.042	STD7	STD1-Blank	.536241	-.009170	09/01/95 08:55:11
Bi	223.061	STD8	STD1-Blank	3.68347	-.519738	09/01/95 08:55:11
Ca	317.900	STD3	STD1-Blank	3.12281	-.393683	09/01/95 08:55:11
Cd	228.800	STD3	STD1-Blank	1.00086	-.045272	09/01/95 08:55:11
Ce	418.659	STD5	STD1-Blank	2.01054	-1.25665	09/01/95 08:55:11
Co	228.600	STD2	STD1-Blank	1.14305	-.159570	09/01/95 08:55:11
Cr	205.500	STD2	STD1-Blank	1.57934	-.071386	09/01/95 08:55:11
Cu	324.700	STD2	STD1-Blank	4.25487	-.197709	09/01/95 08:55:11
Dy	353.170	STD4	STD1-Blank	1.01409	-.195686	09/01/95 08:55:11
Eu	381.900	STD4	STD1-Blank	1.75285	-.058720	09/01/95 08:55:11
Fe	259.900	STD2	STD1-Blank	2.61920	-.147898	09/01/95 08:55:11
K	766.500	STD3	STD1-Blank	176.220	-37.8109	09/01/95 08:55:11
La	398.852	STD4	STD1-Blank	3.24265	-.317996	09/01/95 08:55:11
Li	670.700	STD3	STD1-Blank	3.68371	-.150418	09/01/95 08:55:11
Mg	279.078	STD2	STD1-Blank	5.42923	-1.27822	09/01/95 08:55:11
Mn	257.600	STD3	STD1-Blank	1.39913	-.026957	09/01/95 08:55:11
Mo	202.000	STD2	STD1-Blank	1.66015	-.131152	09/01/95 08:55:11
Na	588.900	STD2	STD1-Blank	43.0226	-1.75389	09/01/95 08:55:11
Nd	406.106	STD4	STD1-Blank	2.99392	-1.09438	09/01/95 08:55:11
Ni	231.600	STD2	STD1-Blank	3.31479	-.153917	09/01/95 08:55:11
P	214.900	STD3	STD1-Blank	7.15526	-.918020	09/01/95 08:55:11
Pb	220.300	STD2	STD1-Blank	.852017	-1.12634	09/01/95 08:55:
Pd	360.959	STD9	STD1-Blank	2.54961	-3.84608	09/01/95 08:55:
Rh	343.489	STD9	STD1-Blank	1.02123	-1.54263	09/01/95 08:55:11
Sb	206.838	STD5	STD1-Blank	2.75933	-.702802	09/01/95 08:55:11
Se	196.026	STD8	STD1-Blank	5.28606	-.798372	09/01/95 08:55:11
Si	288.100	STD7	STD1-Blank	2.57959	-1.12943	09/01/95 08:55:11
Sn	242.950	STD9	STD1-Blank	7.33864	-4.96483	09/01/95 08:55:11
Sr	421.500	STD2	STD1-Blank	1.15818	-.016446	09/01/95 08:55:11
Te	214.275	STD7	STD1-Blank	.923725	-.900663	09/01/95 08:55:11
Th	283.730	STD4	STD1-Blank	4.20471	-.984602	09/01/95 08:55:11
Ti	334.900	STD2	STD1-Blank	1.30816	-.084376	09/01/95 08:55:11
Tl	190.864	STD8	STD1-Blank	16.5467	-.585202	09/01/95 08:55:11
U	378.280	STD6	STD1-Blank	9.98023	-17.0183	09/01/95 08:55:11
V	292.402	STD5	STD1-Blank	1.61553	-.156760	09/01/95 08:55:11
W	224.875	STD9	STD1-Blank	15.5371	-.466630	09/01/95 08:55:11
Y	371.030	STD5	STD1-Blank	3.09716	-.078668	09/01/95 08:55:11
Zn	213.800	STD2	STD1-Blank	.675992	-.021587	09/01/95 08:55:11
Zr	339.100	STD2	STD1-Blank	1.92170	-.154185	09/01/95 08:55:11

Standardization Report Fri 09-01-95 08:57:25 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	2.98536	.218220	09/01/95 08:55:11
Al	308.215	STD3	STD1-Blank	.149320	1.38517	09/01/95 08:55:11
As	193.600	STD5	STD1-Blank	.273130	.608014	09/01/95 08:55:11
B	249.600	STD3	STD1-Blank	1.01993	.103994	09/01/95 08:55:11
Ba	493.400	STD2	STD1-Blank	.823123	.036690	09/01/95 08:55:11
Be	313.042	STD7	STD1-Blank	1.86483	.009170	09/01/95 08:55:11
Bi	223.061	STD8	STD1-Blank	.271483	.519738	09/01/95 08:55:11
Ca	317.900	STD3	STD1-Blank	.320224	.393683	09/01/95 08:55:11
Cd	228.800	STD3	STD1-Blank	.999137	.045272	09/01/95 08:55:11
Ce	418.659	STD5	STD1-Blank	.497380	1.25665	09/01/95 08:55:11
Co	228.600	STD2	STD1-Blank	.874852	.159570	09/01/95 08:55:11
Cr	205.500	STD2	STD1-Blank	.633175	.071386	09/01/95 08:55:11
Cu	324.700	STD2	STD1-Blank	.235025	.197709	09/01/95 08:55:11
Dy	353.170	STD4	STD1-Blank	.986105	.195686	09/01/95 08:55:11
Eu	381.900	STD4	STD1-Blank	.570500	.058720	09/01/95 08:55:11
Fe	259.900	STD2	STD1-Blank	.381796	.147898	09/01/95 08:55:11
K	766.500	STD3	STD1-Blank	.005675	37.8109	09/01/95 08:55:11
La	398.852	STD4	STD1-Blank	.308390	.317996	09/01/95 08:55:11
Li	670.700	STD3	STD1-Blank	.271465	.150418	09/01/95 08:55:11
Mg	279.078	STD2	STD1-Blank	.184188	1.27822	09/01/95 08:55:11
Mn	257.600	STD3	STD1-Blank	.714730	.026957	09/01/95 08:55:11
Mo	202.000	STD2	STD1-Blank	.602355	.131152	09/01/95 08:55:11
Na	588.900	STD2	STD1-Blank	.023244	1.75389	09/01/95 08:55:11
Nd	406.106	STD4	STD1-Blank	.334010	1.09438	09/01/95 08:55:11
Ni	231.600	STD2	STD1-Blank	.301678	.153917	09/01/95 08:55:11
P	214.900	STD3	STD1-Blank	.139757	.918020	09/01/95 08:55:11
Pb	220.300	STD2	STD1-Blank	1.17369	1.12634	09/01/95 08:55:11
Pd	360.959	STD9	STD1-Blank	.392217	3.84608	09/01/95 08:55:11
Rh	343.489	STD9	STD1-Blank	.979213	1.54263	09/01/95 08:55:11
Sb	206.838	STD5	STD1-Blank	.362407	.702802	09/01/95 08:55:11
Se	196.026	STD8	STD1-Blank	.189177	.798372	09/01/95 08:55:11
Si	288.100	STD7	STD1-Blank	.387658	1.12943	09/01/95 08:55:11
Sn	242.950	STD9	STD1-Blank	.136265	4.96483	09/01/95 08:55:11
Sr	421.500	STD2	STD1-Blank	.863420	.016446	09/01/95 08:55:11
Te	214.275	STD7	STD1-Blank	1.08257	.900663	09/01/95 08:55:11
Th	283.730	STD4	STD1-Blank	.237829	.984602	09/01/95 08:55:11
Ti	334.900	STD2	STD1-Blank	.764435	.084376	09/01/95 08:55:11
Tl	190.864	STD8	STD1-Blank	.060435	.585202	09/01/95 08:55:11
U	378.280	STD6	STD1-Blank	.100198	17.0183	09/01/95 08:55:11
V	292.402	STD5	STD1-Blank	.618992	.156760	09/01/95 08:55:11
W	224.875	STD9	STD1-Blank	.064362	.466630	09/01/95 08:55:11
Y	371.030	STD5	STD1-Blank	.322877	.078668	09/01/95 08:55:11
Zn	213.800	STD2	STD1-Blank	1.47931	.021587	09/01/95 08:55:11
Zr	339.100	STD2	STD1-Blank	.520371	.154185	09/01/95 08:55:11

Standardization Readback Report Fri 09-01-95 08:57:45 AM page

Method: ICP1

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

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

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	STD1-Blank	.000000	.000000	-.000000
		STD7	1.00000	1.000000	.000000

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

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

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

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

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

Standardization Readback Report Fri 09-01-95 08:57:45 AM page 2

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

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

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

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

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

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	STD1-Blank	.000000	-.000000	.000000
		STD2	250.000	250.000	.000015

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

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

Standardization Readback Report Fri 09-01-95 08:57:45 AM page 3

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Standardization Rpt. Fri 09-01-95 09:59:13 AM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6466	.2062	.1659	.1040	.0302	.0171	.1416
SDev	.0027	.0008	.0019	.0006	.0001	.0001	.0012
%RSD	.4127	.3949	1.116	.6105	.3819	.3383	.8718
#1	.6438	.2053	.1638	.1033	.0301	.0170	.1402
#2	.6491	.2066	.1673	.1044	.0303	.0171	.1419
#3	.6470	.2068	.1666	.1044	.0303	.0171	.1426

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1252	.0442	.6192	.1396	.0466	.0466	.1917
SDev	.0005	.0003	.0024	.0010	.0016	.0003	.0009
%RSD	.3774	.5986	.3788	.7245	3.546	.6561	.4976
#1	.1247	.0440	.6172	.1390	.0449	.0463	.1906
#2	.1256	.0445	.6218	.1408	.0467	.0469	.1923
#3	.1254	.0441	.6187	.1391	.0482	.0465	.1922

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0335	.0559	.2128	.0978	.0408	.2354	.0194
SDev	.0001	.0001	.0005	.0004	.0002	.0006	.0002
%RSD	.4564	.2067	.2442	.4457	.4902	.2416	1.192
#1	.0333	.0558	.2122	.0973	.0408	.2349	.0191
#2	.0336	.0560	.2131	.0981	.0406	.2360	.0195
#3	.0335	.0558	.2131	.0980	.0410	.2352	.0195

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0790	.0406	.3628	.0461	.1261	1.320	1.506
SDev	.0006	.0003	.0018	.0005	.0013	.008	.004
%RSD	.8135	.7389	.4816	1.026	1.040	.6209	.2961
#1	.0783	.0406	.3609	.0459	.1259	1.311	1.501
#2	.0793	.0409	.3643	.0466	.1275	1.321	1.509
#3	.0795	.0403	.3633	.0457	.1249	1.327	1.508

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.502	.2570	.1531	.4161	.6722	.0143	.9723
SDev	.007	.0016	.0013	.0015	.0005	.0000	.0124
%RSD	.4873	.6420	.8523	.3608	.0682	.0000	1.271
#1	1.493	.2575	.1519	.4146	.6727	.0143	.9622
#2	1.505	.2552	.1530	.4176	.6718	.0143	.9687
#3	1.506	.2584	.1545	.4160	.6721	.0143	.9861

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2316	.0641	.0352	1.696	.0963	.0305	.0252
SDev	.0007	.0002	.0002	.005	.0004	.0001	.0002
%RSD	.3033	.3120	.5908	.3153	.3930	.3782	.6873
#1	.2309	.0639	.0350	1.692	.0959	.0304	.0250
#2	.2315	.0641	.0353	1.694	.0966	.0306	.0253
#3	.2323	.0643	.0354	1.702	.0965	.0306	.0253

Elem	Zn	Zr
Avge	.0333	.0796
SDev	.0002	.0004

%RSD	.6006	.5663
#1	.0331	.0792
#2	.0335	.0796
#3	.0333	.0801

Standardization Rpt. Fri 09-01-95 10:01:43 AM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.324	17.62	12.65	4.786	76.17	46.28	12.14
SDev	.046	.03	.01	.024	.14	.10	.02
%RSD	.5520	.1763	.1113	.5022	.1878	.2131	.1866
#1	8.362	17.61	12.66	4.807	76.27	46.35	12.13
#2	8.273	17.60	12.64	4.760	76.01	46.17	12.12
#3	8.338	17.66	12.66	4.793	76.24	46.32	12.16

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.981	6.098	59.67	8.810	15.39	29.83	26.04
SDev	.056	.003	.08	.045	.06	.04	.10
%RSD	.9337	.0526	.1360	.5126	.3668	.1190	.3786
#1	6.043	6.099	59.58	8.833	15.43	29.85	26.12
#2	5.935	6.095	59.68	8.757	15.33	29.79	25.93
#3	5.965	6.101	59.74	8.839	15.41	29.86	26.08

Standardization Rpt. Fri 09-01-95 10:05:15 AM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	74.94	51.02	79.47	9.956	3.117	13.88	7.112
SDev	.29	.20	.10	.034	.028	.13	.012
%RSD	.3866	.3923	.1250	.3419	.8871	.9606	.1750
#1	74.88	50.97	79.36	9.934	3.112	13.86	7.103
#2	74.68	50.84	79.51	9.939	3.092	13.76	7.107
#3	75.25	51.23	79.54	9.995	3.147	14.02	7.127

Elem	P
Avge	13.96
SDev	.03
%RSD	.2261
#1	13.93
#2	13.99
#3	13.98

Standardization Rpt. Fri 09-01-95 10:08:50 AM page 1

Method: ICP1 Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	49.49	11.45	6.278	17.14	12.07
SDev	.29	.06	.031	.09	.05
%RSD	.5782	.5303	.4891	.5205	.4425
#1	49.30	11.40	6.248	17.07	12.03
#2	49.82	11.52	6.309	17.24	12.13
#3	49.34	11.43	6.278	17.12	12.06

Standardization Rpt. Fri 09-01-95 10:12:31 AM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.32	25.52	36.38	12.37	3.208
SDev	.08	.10	.12	.04	.013
%RSD	.3049	.4063	.3253	.3561	.4191
#1	27.23	25.40	36.26	12.33	3.193
#2	27.39	25.60	36.49	12.41	3.217
#3	27.35	25.55	36.39	12.38	3.214

Standardization Rpt. Fri 09-01-95 10:16:06 AM page 1

Method: ICP1 Standard: STD6

Elem	U
Avge	52.65
SDev	.24
%RSD	.4613
#1	52.92
#2	52.44
#3	52.61

Standardization Rpt. Fri 09-01-95 10:19:48 AM page 1

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.920	79.24	56.35
SDev	.011	.30	.32
%RSD	.5888	.3739	.5642
#1	1.908	78.90	55.98
#2	1.923	79.41	56.52
#3	1.931	79.42	56.55

Standardization Rpt. Fri 09-01-95 10:24:05 AM page 1

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	30.96	27.71	4.018	1.267
SDev	.25	.23	.033	.009
%RSD	.8124	.8447	.8243	.6820
#1	30.68	27.44	3.983	1.258
#2	31.15	27.86	4.049	1.271
#3	31.07	27.83	4.023	1.274

Standardization Rpt. Fri 09-01-95 10:27:52 AM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.34	51.15	8.572	3.301
SDev	.09	.23	.025	.008
%RSD	.4106	.4577	.2932	.2451
#1	21.26	50.95	8.553	3.294
#2	21.33	51.10	8.562	3.300
#3	21.43	51.41	8.601	3.310

Standardization Report Fri 09-01-95 10:28:23 AM page 1

Method: ICP1 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.329835	-.213282	09/01/95 10:26:34
Al	308.215	STD3	STD1-Blank	6.69083	-1.37987	09/01/95 10:26:34
As	193.600	STD5	STD1-Blank	3.68217	-.610872	09/01/95 10:26:34
B	249.600	STD3	STD1-Blank	.982105	-.102172	09/01/95 10:26:34
Ba	493.400	STD2	STD1-Blank	1.20571	-.036452	09/01/95 10:26:34
Be	313.042	STD7	STD1-Blank	.525385	-.008967	09/01/95 10:26:34
Bi	223.061	STD8	STD1-Blank	3.62683	-.513439	09/01/95 10:26:34
Ca	317.900	STD3	STD1-Blank	3.15085	-.394591	09/01/95 10:26:34
Cd	228.800	STD3	STD1-Blank	1.00889	-.044593	09/01/95 10:26:34
Ce	418.659	STD5	STD1-Blank	2.00828	-1.24360	09/01/95 10:26:34
Co	228.600	STD2	STD1-Blank	1.14397	-.159737	09/01/95 10:26:34
Cr	205.500	STD2	STD1-Blank	1.58638	-.073925	09/01/95 10:26:34
Cu	324.700	STD2	STD1-Blank	4.21956	-.196491	09/01/95 10:26:34
Dy	353.170	STD4	STD1-Blank	1.01431	-.194444	09/01/95 10:26:34
Eu	381.900	STD4	STD1-Blank	1.75179	-.058627	09/01/95 10:26:34
Fe	259.900	STD2	STD1-Blank	2.62747	-.146788	09/01/95 10:26:34
K	766.500	STD3	STD1-Blank	172.178	-36.6395	09/01/95 10:26:34
La	398.852	STD4	STD1-Blank	3.23598	-.316479	09/01/95 10:26:34
Li	670.700	STD3	STD1-Blank	3.61349	-.147430	09/01/95 10:26:34
Mg	279.078	STD2	STD1-Blank	5.42959	-1.27795	09/01/95 10:26:34
Mn	257.600	STD3	STD1-Blank	1.40984	-.027304	09/01/95 10:26:34
Mo	202.000	STD2	STD1-Blank	1.65855	-.131081	09/01/95 10:26:34
Na	588.900	STD2	STD1-Blank	42.0835	-1.70859	09/01/95 10:26:34
Nd	406.106	STD4	STD1-Blank	2.97999	-1.08124	09/01/95 10:26:34
Ni	231.600	STD2	STD1-Blank	3.30455	-.152229	09/01/95 10:26:34
P	214.900	STD3	STD1-Blank	7.22615	-.911217	09/01/95 10:26:[illegible]
Pb	220.300	STD2	STD1-Blank	.856913	-1.13090	09/01/95 10:26:[illegible]
Pd	360.959	STD9	STD1-Blank	2.52130	-3.79724	09/01/95 10:26:[illegible]
Rh	343.489	STD9	STD1-Blank	1.00702	-1.51218	09/01/95 10:26:34
Sb	206.838	STD5	STD1-Blank	2.76809	-.711493	09/01/95 10:26:34
Se	196.026	STD8	STD1-Blank	5.17429	-.792356	09/01/95 10:26:34
Si	288.100	STD7	STD1-Blank	2.53725	-1.05566	09/01/95 10:26:34
Sn	242.950	STD9	STD1-Blank	7.27569	-4.89072	09/01/95 10:26:34
Sr	421.500	STD2	STD1-Blank	1.13698	-.016259	09/01/95 10:26:34
Te	214.275	STD7	STD1-Blank	.902920	-.877939	09/01/95 10:26:34
Th	283.730	STD4	STD1-Blank	4.22232	-.977748	09/01/95 10:26:34
Ti	334.900	STD2	STD1-Blank	1.30503	-.083652	09/01/95 10:26:34
Tl	190.864	STD8	STD1-Blank	16.2320	-.571908	09/01/95 10:26:34
U	378.280	STD6	STD1-Blank	9.81221	-16.6448	09/01/95 10:26:34
V	292.402	STD5	STD1-Blank	1.62917	-.156943	09/01/95 10:26:34
W	224.875	STD9	STD1-Blank	15.4923	-.473030	09/01/95 10:26:34
Y	371.030	STD5	STD1-Blank	3.14176	-.079172	09/01/95 10:26:34
Zn	213.800	STD2	STD1-Blank	.671135	-.022349	09/01/95 10:26:34
Zr	339.100	STD2	STD1-Blank	1.92604	-.153377	09/01/95 10:26:34

Standardization Report Fri 09-01-95 10:28:51 AM page 1

Method: ICP1 Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	STD8	STD1-Blank	3.03182	.213282	09/01/95 10:26:34
Al	308.215	STD3	STD1-Blank	.149458	1.37987	09/01/95 10:26:34
As	193.600	STD5	STD1-Blank	.271579	.610872	09/01/95 10:26:34
B	249.600	STD3	STD1-Blank	1.01822	.102172	09/01/95 10:26:34
Ba	493.400	STD2	STD1-Blank	.829390	.036452	09/01/95 10:26:34
Be	313.042	STD7	STD1-Blank	1.90337	.008967	09/01/95 10:26:34
Bi	223.061	STD8	STD1-Blank	.275723	.513439	09/01/95 10:26:34
Ca	317.900	STD3	STD1-Blank	.317375	.394591	09/01/95 10:26:34
Cd	228.800	STD3	STD1-Blank	.991190	.044593	09/01/95 10:26:34
Ce	418.659	STD5	STD1-Blank	.497938	1.24360	09/01/95 10:26:34
Co	228.600	STD2	STD1-Blank	.874145	.159737	09/01/95 10:26:34
Cr	205.500	STD2	STD1-Blank	.630365	.073925	09/01/95 10:26:34
Cu	324.700	STD2	STD1-Blank	.236992	.196491	09/01/95 10:26:34
Dy	353.170	STD4	STD1-Blank	.985889	.194444	09/01/95 10:26:34
Eu	381.900	STD4	STD1-Blank	.570843	.058627	09/01/95 10:26:34
Fe	259.900	STD2	STD1-Blank	.380594	.146788	09/01/95 10:26:34
K	766.500	STD3	STD1-Blank	.005808	36.6395	09/01/95 10:26:34
La	398.852	STD4	STD1-Blank	.309025	.316479	09/01/95 10:26:34
Li	670.700	STD3	STD1-Blank	.276741	.147430	09/01/95 10:26:34
Mg	279.078	STD2	STD1-Blank	.184176	1.27795	09/01/95 10:26:34
Mn	257.600	STD3	STD1-Blank	.709300	.027304	09/01/95 10:26:34
Mo	202.000	STD2	STD1-Blank	.602935	.131081	09/01/95 10:26:34
Na	588.900	STD2	STD1-Blank	.023762	1.70859	09/01/95 10:26:34
Nd	406.106	STD4	STD1-Blank	.335572	1.08124	09/01/95 10:26:34
Ni	231.600	STD2	STD1-Blank	.302613	.152229	09/01/95 10:26:34
P	214.900	STD3	STD1-Blank	.138386	.911217	09/01/95 10:26:34
Pb	220.300	STD2	STD1-Blank	1.16698	1.13090	09/01/95 10:26:34
Pd	360.959	STD9	STD1-Blank	.396621	3.79724	09/01/95 10:26:34
Rh	343.489	STD9	STD1-Blank	.993025	1.51218	09/01/95 10:26:34
Sb	206.838	STD5	STD1-Blank	.361259	.711493	09/01/95 10:26:34
Se	196.026	STD8	STD1-Blank	.193263	.792356	09/01/95 10:26:34
Si	288.100	STD7	STD1-Blank	.394128	1.05566	09/01/95 10:26:34
Sn	242.950	STD9	STD1-Blank	.137444	4.89072	09/01/95 10:26:34
Sr	421.500	STD2	STD1-Blank	.879523	.016259	09/01/95 10:26:34
Te	214.275	STD7	STD1-Blank	1.10752	.877939	09/01/95 10:26:34
Th	283.730	STD4	STD1-Blank	.236837	.977748	09/01/95 10:26:34
Ti	334.900	STD2	STD1-Blank	.766267	.083652	09/01/95 10:26:34
Tl	190.864	STD8	STD1-Blank	.061607	.571908	09/01/95 10:26:34
U	378.280	STD6	STD1-Blank	.101914	16.6448	09/01/95 10:26:34
V	292.402	STD5	STD1-Blank	.613810	.156943	09/01/95 10:26:34
W	224.875	STD9	STD1-Blank	.064548	.473030	09/01/95 10:26:34
Y	371.030	STD5	STD1-Blank	.318293	.079172	09/01/95 10:26:34
Zn	213.800	STD2	STD1-Blank	1.49001	.022349	09/01/95 10:26:34
Zr	339.100	STD2	STD1-Blank	.519201	.153377	09/01/95 10:26:34

Standardization Readback Report Fri 09-01-95 10:29:12 AM page 1

Method: ICP1

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

Standardization Readback Report Fri 09-01-95 10:29:12 AM page 2

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

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

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

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

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

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	STD1-Blank	.000000	-.000000	.000000
		STD2	250.000	250.000	.000015

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

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

Standardization Readback Report Fri 09-01-95 10:29:12 AM page 3

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Analysis Report Fri 09-01-95 10:40:35 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/01/95 10:39:16
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0012	.0033	-.0024	-.0003	.0000	-.0043
SDev	.0006	.0053	.0044	.0016	.0002	.0001	.0028
%RSD	139.2	459.5	134.5	69.36	65.20	131.3	64.14
#1	-.0008	-.0014	.0051	-.0012	-.0004	.0000	-.0056
#2	-.0008	-.0024	.0066	-.0017	-.0003	-.0000	-.0061
#3	.0003	.0073	-.0017	-.0042	-.0001	.0001	-.0011

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0008	-.0047	-.0006	-.0013	.0005	.0000
SDev	.0005	.0008	.0019	.0003	.0008	.0015	.0004
%RSD	96.69	102.9	41.72	44.71	67.17	304.4	2144.
#1	-.0000	-.0001	-.0067	-.0008	-.0006	.0008	-.0004
#2	.0007	-.0016	-.0046	-.0008	-.0010	-.0011	.0000
#3	.0009	-.0006	-.0028	-.0003	-.0022	.0018	.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0000	-.1148	-.0017	-.0007	-.0059	-.0001
SDev	.0003	.0004	.1433	.0009	.0015	.0105	.0002
%RSD	759.2	845.7	124.9	53.00	202.3	179.4	237.0
#1	-.0004	-.0002	-.2754	-.0027	-.0023	-.0085	-.0003
#2	.0001	-.0003	-.0689	-.0015	-.0005	-.0148	-.0001
#3	.0001	.0004	.0000	-.0009	.0006	.0057	.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0056	-.0039	.0008	-.0136	-.0032	-.0023
SDev	.0004	.0048	.0052	.0030	.0181	.0039	.0118
%RSD	191.5	86.09	131.5	378.8	132.9	120.1	504.5
#1	.0008	-.0111	-.0070	.0027	.0025	-.0020	-.0123
#2	-.0001	-.0028	-.0068	.0023	-.0102	-.0076	-.0054
#3	.0001	-.0028	.0020	-.0027	-.0333	-.0002	.0106

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0055	-.0006	-.0254	.0034	-.0000	-.0096
SDev	.0048	.0073	.0048	.0070	.0131	.0001	.0053
%RSD	479.1	132.6	815.7	27.73	387.6	173.2	55.39
#1	-.0010	.0061	-.0057	-.0178	-.0070	-.0001	-.0142
#2	-.0058	-.0021	.0039	-.0265	-.0009	.0000	-.0106
#3	.0038	.0125	.0001	-.0317	.0181	-.0000	-.0038

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.0000	-.0052	-.0262	-.0002	-.0025	.0000
SDev	.0050	.0002	.0056	.0526	.0001	.0023	.0005

%RSD	137.9	1130.	106.7	200.8	26.26	89.76	2596.
#1	.0094	-.0002	-.0104	-.0863	-.0002	-.0050	-.0003
#2	.0012	-.0001	.0007	-.0043	-.0003	-.0019	-.0003
#3	.0003	.0003	-.0059	.0119	-.0002	-.0006	.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0001	-.0002
SDev	.0004	.0004
%RSD	420.6	158.1
#1	.0005	-.0007
#2	.0000	.0001
#3	-.0002	-.0001

WHC-CD-WM-DP-145, REV1

Analysis Report QC Standard Fri 09-01-95 10:43:43 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/01/95 10:42:24
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS 9/1/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4819	25.08	2.617	1.997	.5085	.0934	24.30
SDev	.0034	.25	.025	.019	.0060	.0009	.22
%RSD	.7064	1.013	.9416	.9373	1.190	.9466	.8910
#1	.4853	25.32	2.644	2.019	.5148	.0944	24.54
#2	.4817	25.10	2.612	1.985	.5079	.0932	24.26
#3	.4785	24.81	2.596	1.988	.5027	.0926	24.11
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	25.20	.4998	-.0357	1.038	1.041	1.021	-.0003
SDev	.19	.0020	.0079	.008	.007	.008	.0014
%RSD	.7446	.4041	22.23	.7407	.6687	.8059	487.1
#1	25.41	.4974	-.0436	1.047	1.048	1.027	-.0015
#2	25.14	.5008	-.0358	1.036	1.042	1.023	-.0006
#3	25.05	.5011	-.0277	1.032	1.034	1.012	.0013
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	20.57	25.81	.0037	1.937	26.60	.5177
SDev	.0003	.18	.64	.0015	.034	.20	.0040
%RSD	15.58	.8934	2.497	39.58	1.749	.7569	.7654
#1	.0017	20.77	25.27	.0031	1.940	26.82	.5218
#2	.0018	20.54	26.53	.0026	1.970	26.58	.5176
#3	.0023	20.41	25.65	.0053	1.902	26.42	.5139
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.035	24.48	.0063	1.063	.0629	2.637	-.0352
SDev	.009	.39	.0062	.007	.0177	.022	.0210
%RSD	.8284	1.578	99.32	.6750	28.14	.8451	59.65
#1	1.045	24.45	.0000	1.071	.0425	2.663	-.0570
#2	1.030	24.88	.0064	1.057	.0727	2.625	-.0336
#3	1.030	24.11	.0125	1.062	.0736	2.623	-.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 Fri 09-01-95 10:43:43 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	-.0041	2.558	2.459	18.87	-.1023	.5139	-.0104
SDev	.0084	.009	.026	.14	.0241	.0058	.0081
%RSD	207.0	.3679	1.069	.7573	23.59	1.125	77.35
#1	-.0119	2.569	2.483	19.02	-.1271	.5199	-.0197
#2	-.0051	2.551	2.462	18.87	-.1009	.5132	-.0059
#3	.0048	2.554	2.431	18.73	-.0789	.5084	-.0056
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	.0492	1.002	2.477	.0657	1.002	.0308	-.0001
SDev	.0028	.010	.019	.1207	.008	.0032	.0005
%RSD	5.751	1.008	.7646	183.7	.7943	10.25	372.0
#1	.0518	1.013	2.498	-.0466	1.011	.0308	-.0004
#2	.0462	1.0000	2.474	.0504	1.001	.0340	-.0004
#3	.0495	.9931	2.461	.1934	.9950	.0276	.0004
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.021	2.056
SDev	.006	.024
%RSD	.6194	1.147
#1	1.028	2.080
#2	1.018	2.054
#3	1.016	2.033
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Fri 09-01-95 10:47:55 AM page 1

Method: ICP1 Sample Name: MCVB 950830H901 Operator: DRS
Run Time: 09/01/95 10:46:35
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	-.1913	-.0046	-.0016	-.0003	.0002	-.0021
SDev	.0011	.0067	.0057	.0020	.0003	.0000	.0046
%RSD	29.05	3.521	123.8	127.6	104.9	13.46	223.0
#1	-.0025	-.1836	-.0082	-.0012	.0000	.0003	.0018
#2	-.0045	-.1943	.0020	-.0038	-.0003	.0002	-.0008
#3	-.0042	-.1961	-.0076	.0002	-.0006	.0002	-.0072
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	.0453	.0004	2.022	.0014	.0017	-.0143	2.033
SDev	.0010	.0010	.015	.0014	.0015	.0016	.022
%RSD	2.181	241.9	.7438	98.95	91.49	11.29	1.094
#1	.0458	.0015	2.005	.0023	.0023	-.0131	2.007
#2	.0459	-.0006	2.028	.0020	-.0001	-.0138	2.042
#3	.0442	.0003	2.033	-.0002	.0028	-.0162	2.049
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.036	.0122	-.2811	2.043	-.0011	.0864	.0001
SDev	.024	.0006	.1402	.022	.0006	.0130	.0002
%RSD	1.182	5.333	49.86	1.097	51.32	15.05	167.6
#1	2.008	.0127	-.1205	2.018	-.0005	.1013	.0002
#2	2.045	.0124	-.3787	2.051	-.0012	.0780	-.0001
#3	2.054	.0115	-.3443	2.061	-.0016	.0798	.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	-.0011	.0222	1.984	.0031	-.0176	.0332	2.013
SDev	.0011	.0134	.015	.0022	.0164	.0038	.006
%RSD	106.5	60.63	.7720	70.85	93.64	11.43	.3014
#1	.0002	.0168	1.967	.0011	.0008	.0374	2.009
#2	-.0013	.0375	1.991	.0054	-.0226	.0321	2.020
#3	-.0021	.0122	1.995	.0028	-.0309	.0301	2.010
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	Q.1286	.0025	.0137	-.0797	2.006	.0000	1.811
SDev	.0078	.0066	.0017	.0096	.016	.0001	.021
%RSD	6.090	266.4	12.58	12.08	.8190	1024.	1.153
#1	Q.1377	.0075	.0156	-.0690	2.025	.0002	Q1.787
#2	Q.1235	-.0050	.0132	-.0822	1.995	-.0001	1.824
#3	Q.1248	.0050	.0123	-.0878	1.998	-.0001	1.822
Errors	QC Fail	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	5.204	.0002	-.0092	Q8.362	-.0021	1.910	1.024
SDev	.054	.0005	.0105	.056	.0007	.038	.011
%RSD	1.043	298.7	114.6	.6744	34.45	1.991	1.072
#1	5.143	.0007	.0028	Q8.391	-.0014	1.867	1.012
#2	5.224	-.0004	-.0134	Q8.398	-.0029	1.927	1.030
#3	5.245	.0002	-.0170	Q8.297	-.0021	1.937	1.031
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Pass	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	.0007	-.0170
SDev	.0007	.0005
%RSD	105.6	2.837
#1	.0001	-.0166
#2	.0005	-.0170
#3	.0015	-.0175
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Fri 09-01-95 10:57:02 AM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/01/95 10:55:43
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0-.0014	0.0979	.0821	0.1113	.0492	.0220	.0084
SDev	.0012	.0050	.0049	.0010	.0001	.0000	.0027
%RSD	84.48	5.060	6.004	.9165	.1424	.0280	32.60
#1	0-.0001	0.1035	0.0841	0.1110	.0492	.0220	.0081
#2	0-.0019	0.0960	0.0857	0.1104	.0493	.0220	.0058
#3	0-.0022	0.0941	0.0764	0.1124	.0492	.0220	.0112
Errors	QC Fail	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.85	0.0111	-.0244	0.0217	0.0223	0.0186	-.0032
SDev	.04	.0009	.0027	.0004	.0005	.0004	.0009
%RSD	.1200	8.143	11.24	1.804	2.057	2.410	29.97
#1	35.90	.0119	-.0212	0.0220	0.0225	0.0187	-.0021
#2	35.82	.0115	-.0257	0.0213	0.0225	0.0181	-.0039
#3	35.84	0.0101	-.0262	0.0219	0.0217	0.0189	-.0035
Errors	QC Pass	QC Fail	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	-.0001	0.1196	01.618	.0018	0.0100	09.990	.0355
SDev	.0002	.0011	.124	.0002	.0004	.020	.0002
%RSD	214.8	.9532	7.671	12.29	3.587	.2033	.4372
#1	.0001	0.1209	01.756	.0019	0.0104	09.967	.0354
#2	-.0002	0.1189	01.515	.0019	0.0096	010.00	.0357
#3	-.0002	0.1189	01.584	.0015	0.0100	09.999	.0355
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	.1051	011.59	-.0094	.0615	.0058	0.0179	-.0533
SDev	.0011	.13	.0052	.0042	.0049	.0062	.0147
%RSD	1.094	1.085	55.15	6.888	83.60	34.54	27.65
#1	.1042	011.45	-.0034	.0587	.0113	0.0227	-.0367
#2	.1047	011.63	-.0122	.0594	.0042	0.0109	-.0650
#3	0.1064	011.70	-.0125	.0664	.0020	0.0201	-.0582
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

Analysis Report QC Standard Fri 09-01-95 10:57:02 AM page 2

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0220	-.0157	0.0162	-.0671	-.1208	.2651	-.0158
SDev	.0077	.0032	.0080	.0089	.0185	.0009	.0079
%RSD	35.04	20.66	49.46	13.25	15.32	.3511	50.02
#1	-.0133	-.0120	0.0168	-.0568	-.1093	.2640	-.0071
#2	-.0245	-.0178	0.0079	-.0727	-.1421	.2657	-.0226
#3	-.0281	-.0173	0.0239	-.0717	-.1108	.2655	-.0177
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0094	.0070	.0064	-.0238	0.0268	.0017	-.0027
SDev	.0042	.0002	.0085	.0473	.0005	.0034	.0005
%RSD	44.85	2.329	134.1	198.7	1.962	193.6	18.98
#1	-.0124	.0072	0-.0010	.0308	0.0271	.0056	-.0021
#2	-.0046	.0070	0.0157	-.0533	0.0272	-.0002	-.0030
#3	-.0111	.0069	.0043	-.0489	0.0262	-.0002	-.0030
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	0.0864	-.0020
SDev	.0016	.0009
%RSD	1.911	45.56
#1	0.0883	-.0010
#2	0.0860	-.0029
#3	0.0851	-.0022
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Fri 09-01-95 11:01:44 AM page 1

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/01/95 11:00:25
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	1.914	2.036	1.948	.9990	.9585	1.901
SDev	.0004	.012	.013	.014	.0091	.0068	.013
%RSD	61.10	.6518	.6268	.7011	.9086	.7135	.6936
#1	-.0002	1.899	2.025	1.932	.9888	.9509	1.886
#2	-.0007	1.921	2.033	1.957	1.002	.9604	1.908
#3	-.0010	1.921	2.050	1.954	1.006	.9642	1.909

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.945	.9882	-.0013	1.042	.5249	2.032	-.0005
SDev	.012	.0019	.0063	.007	.0027	.014	.0009
%RSD	.6003	.1942	497.0	.6301	.5144	.6812	157.1
#1	1.932	.9861	.0051	1.034	.5222	2.017	.0004
#2	1.951	.9888	-.0075	1.044	.5276	2.034	-.0011
#3	1.953	.9898	-.0013	1.047	.5250	2.044	-.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	2.029	4.894	.0004	1.947	2.080	1.029
SDev	.0001	.012	.112	.0006	.026	.021	.007
%RSD	45.40	.5728	2.288	182.3	1.357	1.000	.6969
#1	.0004	2.017	5.009	.0005	1.916	2.058	1.021
#2	.0003	2.030	4.889	.0009	1.965	2.083	1.030
#3	.0001	2.040	4.785	-.0004	1.958	2.100	1.035

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.009	7.907	.0020	2.104	4.820	2.073	-.0097
SDev	.016	.160	.0050	.009	.032	.007	.0137
%RSD	.8147	2.025	253.2	.4320	.6653	.3200	141.5
#1	1.991	7.746	.0068	2.094	4.803	2.067	.0058
#2	2.015	8.067	.0024	2.107	4.799	2.073	-.0203
#3	2.022	7.907	-.0032	2.112	4.857	2.080	-.0145

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	-.0094	1.922	4.827	-.0070	2.023	-.0224
SDev	.0060	.0093	.026	.030	.0285	.019	.0054
%RSD	228.7	98.66	1.370	.6221	404.7	.9305	24.09
#1	.0080	-.0051	1.891	4.793	.0086	2.002	-.0182
#2	.0035	-.0200	1.937	4.839	.0102	2.029	-.0285
#3	-.0038	-.0030	1.936	4.849	-.0400	2.039	-.0206

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0002	1.902	.0388	.9697	.0038	-.0002
SDev	.0039	.0004	.014	.1120	.0050	.0020	.0003

%RSD	91.77	237.6	.7243	288.7	.5209	51.01	124.5
#1	.0033	.0005	1.888	.1677	.9644	.0016	.0001
#2	.0085	.0002	1.904	-.0162	.9703	.0049	-.0004
#3	.0009	-.0003	1.915	-.0351	.9744	.0050	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.035	-.0007
SDev	.003	.0009
%RSD	.2936	123.7
#1	1.033	.0003
#2	1.039	-.0013
#3	1.035	-.0011

Analysis Report Fri 09-01-95 11:16:06 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/01/95 11:14:47
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0017	.0056	-.0002	-.0000	-.0000	-.0005
SDev	.0007	.0007	.0063	.0011	.0002	.0000	.0049
%RSD	62.79	42.46	113.3	647.3	7831.	292.7	922.5
#1	.0005	.0018	.0040	.0010	.0002	-.0000	.0001
#2	.0019	.0022	.0126	-.0004	-.0002	.0000	.0040
#3	.0009	.0009	.0002	-.0011	-.0000	.0000	-.0057

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0007	.0013	.0006	-.0016	-.0005	.0006
SDev	.0004	.0011	.0016	.0009	.0002	.0008	.0004
%RSD	57.24	143.4	119.5	145.1	14.93	162.7	64.35
#1	.0005	.0008	.0000	-.0004	-.0018	-.0007	.0003
#2	.0013	-.0003	.0031	.0014	-.0014	.0004	.0010
#3	.0005	.0018	.0008	.0009	-.0015	-.0011	.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0010	.0516	.0018	.0013	.0038	-.0002
SDev	.0001	.0001	.0695	.0008	.0004	.0020	.0003
%RSD	117.9	13.06	134.7	45.94	27.27	52.60	171.9
#1	.0000	.0011	-.0115	.0010	.0010	.0016	-.0004
#2	.0002	.0011	.1262	.0018	.0013	.0054	-.0003
#3	.0000	.0009	.0401	.0026	.0017	.0044	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0097	.0044	-.0006	.0215	.0017	.0024
SDev	.0010	.0025	.0003	.0009	.0175	.0075	.0038
%RSD	134.7	25.44	7.411	147.7	81.20	435.1	156.6
#1	-.0016	.0125	.0048	-.0016	.0043	.0097	.0013
#2	.0004	.0082	.0042	-.0003	.0393	-.0051	-.0007
#3	-.0010	.0083	.0042	.0001	.0210	.0005	.0066

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	-.0013	.0023	.0075	.0036	.0000	.0034
SDev	.0006	.0064	.0083	.0043	.0119	.0000	.0016
%RSD	21.87	479.9	363.0	56.85	329.8	7.577	47.87
#1	.0034	-.0080	-.0073	.0050	-.0048	.0000	.0016
#2	.0029	.0049	.0075	.0125	-.0016	.0000	.0046
#3	.0022	-.0009	.0066	.0051	.0172	.0000	.0041

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0002	.0014	.0695	.0008	.0132	.0004
SDev	.0022	.0001	.0068	.0283	.0003	.0053	.0002

%RSD	65.42	88.75	492.8	40.74	38.53	40.24	46.14
#1	.0035	-.0000	-.0064	.0551	.0007	.0071	.0002
#2	.0054	.0002	.0044	.1021	.0005	.0162	.0005
#3	.0011	.0003	.0061	.0513	.0011	.0164	.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0004	.0001
SDev	.0004	.0004
%RSD	96.68	266.1
#1	.0007	-.0002
#2	.0006	.0005
#3	-.0000	.0001

Analysis Report QC Standard Fri 09-01-95 11:51:03 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/01/95 11:49:43
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS BY 9/1/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4868	25.45	2.659	2.035	.5170	.0945	24.60
SDev	.0026	.21	.002	.015	.0049	.0006	.15
%RSD	.5311	.8229	.0597	.7219	.9430	.6792	.6239
#1	.4855	25.31	2.657	2.026	.5142	.0942	24.54
#2	.4897	25.69	2.660	2.052	.5226	.0953	24.78
#3	.4850	25.35	2.660	2.027	.5142	.0941	24.49
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.46	.5026	-.0487	1.049	1.043	1.031	-.0009
SDev	.11	.0046	.0109	.004	.008	.006	.0009
%RSD	.4289	.9216	22.28	.4199	.7529	.5698	102.5
#1	25.44	.4973	-.0396	1.047	1.045	1.027	.0001
#2	25.58	.5059	-.0607	1.054	1.049	1.038	-.0017
#3	25.37	.5047	-.0459	1.045	1.034	1.028	-.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	.0017	20.89	25.60	.0051	1.961	26.90	.5242
SDev	.0005	.12	.28	.0017	.028	.17	.0028
%RSD	27.15	.5952	1.080	33.77	1.451	.6217	.5353
#1	.0019	20.83	25.28	.0071	1.934	26.81	.5232
#2	.0012	21.03	25.80	.0043	1.991	27.09	.5273
#3	.0020	20.79	25.71	.0039	1.959	26.80	.5219
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	1.050	24.68	.0047	1.081	.0866	2.654	-.0483
SDev	.007	.32	.0079	.004	.0244	.013	.0137
%RSD	.6495	1.308	168.9	.3846	28.13	.4988	28.37
#1	1.048	24.37	.0119	1.085	.0594	2.659	-.0352
#2	1.057	25.02	-.0037	1.080	.0940	2.665	-.0625
#3	1.044	24.66	.0058	1.077	.1064	2.639	-.0472
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	-.0098	2.588	2.499	19.17	-.1123	.5244	-.0138
SDev	.0082	.007	.028	.13	.0282	.0046	.0034
%RSD	83.39	.2550	1.111	.6564	25.14	.8841	24.28
#1	-.0064	2.580	2.480	19.08	-.0826	.5218	-.0150
#2	-.0191	2.590	2.530	19.31	-.1388	.5297	-.0100
#3	-.0039	2.593	2.485	19.11	-.1156	.5217	-.0164
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	.0500	1.018	2.508	.0159	1.015	.0327	-.0003
SDev	.0040	.008	.024	.0795	.006	.0024	.0004
%RSD	7.985	.7429	.9614	499.9	.5635	7.181	132.1
#1	.0461	1.014	2.519	.0718	1.011	.0321	.0001
#2	.0498	1.027	2.524	-.0751	1.021	.0307	-.0008
#3	.0541	1.014	2.480	.0510	1.012	.0352	-.0002
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.044	2.095
SDev	.003	.016
%RSD	.2989	.7546
#1	1.040	2.088
#2	1.046	2.113
#3	1.045	2.084
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Fri 09-01-95 12:00:31 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/01/95 11:59:11
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0025	.0056	-.0005	.0002	.0000	.0009
SDev	.0006	.0015	.0073	.0013	.0001	.0000	.0078
%RSD	71.18	58.26	130.0	248.2	88.12	106.7	910.6
#1	.0011	.0019	.0044	-.0018	.0003	-.0000	.0040
#2	.0011	.0042	-.0010	-.0006	.0001	.0000	.0066
#3	.0001	.0015	.0134	.0008	.0001	.0000	-.0080

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0004	.0042	.0015	.0015	-.0002	.0015
SDev	.0014	.0002	.0021	.0005	.0004	.0002	.0005
%RSD	86.87	45.11	50.90	35.35	27.53	113.7	37.18
#1	.0032	.0003	.0056	.0015	.0020	-.0001	.0018
#2	.0014	.0003	.0053	.0020	.0014	-.0004	.0017
#3	.0003	.0007	.0017	.0010	.0012	-.0000	.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0005	.1032	.0024	.0007	.0085	-.0002
SDev	.0002	.0008	.1146	.0016	.0009	.0046	.0001
%RSD	86.53	145.5	111.0	68.51	126.0	54.41	47.44
#1	.0003	.0013	.1778	.0041	.0017	.0129	-.0001
#2	.0004	.0006	.1606	.0022	.0006	.0090	-.0001
#3	.0000	-.0003	-.0287	.0008	-.0001	.0037	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0167	.0072	.0008	.0138	.0046	.0121
SDev	.0003	.0193	.0036	.0008	.0072	.0031	.0103
%RSD	389.7	115.7	49.51	100.8	52.12	66.66	84.65
#1	-.0002	.0377	.0083	.0017	.0196	.0081	.0235
#2	.0003	-.0002	.0100	.0007	.0162	.0024	.0034
#3	.0000	.0124	.0032	.0000	.0057	.0033	.0095

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0067	.0052	.0103	-.0071	.0148	.0000	.0095
SDev	.0073	.0018	.0056	.0019	.0136	.0001	.0055
%RSD	110.3	35.50	53.97	26.66	91.77	414.4	58.37
#1	.0141	.0042	.0158	-.0049	.0305	.0000	.0138
#2	.0065	.0040	.0046	-.0077	.0057	.0001	.0113
#3	-.0006	.0073	.0107	-.0085	.0083	-.0001	.0032

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0003	.0028	.1087	.0007	.0044	.0004
SDev	.0080	.0001	.0008	.0301	.0005	.0032	.0002

%RSD	1128.	47.29	26.54	27.74	69.95	72.69	52.74
#1	.0043	.0002	.0032	.1209	.0013	.0068	.0004
#2	.0062	.0002	.0020	.0744	.0003	.0008	.0005
#3	-.0084	.0005	.0033	.1309	.0005	.0055	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0003	.0004
SDev	.0007	.0003
%RSD	205.4	97.16
#1	.0010	.0002
#2	.0004	.0001
#3	-.0004	.0008

Analysis Report Fri 09-01-95 12:03:25 PM page

Method: ICP1 Sample Name: 95-007941-HCB Operator: DRS
Run Time: 09/01/95 12:02:05
Comment: HNO3/HCL PROCESS BLANK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.0283	.0111	.0499	.0011	.0001	.0048
SDev	.0008	.0027	.0105	.0020	.0001	.0001	.0049
%RSD	15.19	9.464	95.00	3.978	12.33	60.22	101.7
#1	.0064	.0290	.0231	.0517	.0013	.0001	.0104
#2	.0056	.0306	.0036	.0502	.0010	.0000	.0030
#3	.0047	.0254	.0066	.0478	.0010	.0001	.0011

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0090	.0021	.0354	.0037	.0008	.0032	.0057
SDev	.0012	.0009	.0085	.0008	.0005	.0013	.0008
%RSD	13.22	40.28	24.01	20.27	61.69	39.75	13.05
#1	-.0076	.0012	.0447	.0046	.0003	.0040	.0066
#2	-.0096	.0029	.0336	.0036	.0009	.0017	.0052
#3	-.0098	.0022	.0280	.0031	.0013	.0037	.0054

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0061	1.124	.0113	.0040	.0242	.0005
SDev	.0003	.0005	.226	.0008	.0016	.0029	.0004
%RSD	19.89	7.724	20.07	6.979	41.04	12.07	77.05
#1	.0018	.0066	1.365	.0122	.0057	.0238	.0002
#2	.0015	.0056	1.090	.0111	.0038	.0215	.0003
#3	.0012	.0061	.9176	.0107	.0024	.0273	.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.1465	.0319	.0045	.0409	.0267	.0860
SDev	.0008	.0150	.0044	.0017	.0105	.0074	.0096
%RSD	41.59	10.25	13.84	38.12	25.68	27.71	11.21
#1	.0030	.1590	.0369	.0064	.0352	.0342	.0940
#2	.0015	.1508	.0296	.0038	.0530	.0264	.0886
#3	.0015	.1299	.0291	.0032	.0345	.0194	.0753

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0416	.0196	.0168	.0394	.0899	.0004	.0185
SDev	.0110	.0101	.0032	.0056	.0108	.0001	.0023
%RSD	26.43	51.40	19.38	14.13	12.01	23.60	12.37
#1	.0542	.0208	.0192	.0457	.1009	.0005	.0211
#2	.0336	.0290	.0180	.0354	.0895	.0004	.0169
#3	.0371	.0090	.0131	.0369	.0793	.0003	.0176

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0021	.0011	.5314	.0046	.0201	.0020
SDev	.0066	.0003	.0026	.1018	.0007	.0092	.0004

%RSD	217.6	13.20	229.9	19.15	14.88	45.50	21.22
#1	.0077	.0024	.0010	.6197	.0053	.0286	.0023
#2	-.0045	.0020	.0038	.5545	.0044	.0104	.0021
#3	.0058	.0019	-.0014	.4201	.0040	.0214	.0015

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0026	.0043
SDev	.0003	.0007
%RSD	10.26	16.49
#1	.0024	.0047
#2	.0025	.0047
#3	.0029	.0035

Analysis Report Fri 09-01-95 12:06:03 PM page

Method: ICP1 Sample Name: 95-007941-H1T @5 Operator: DRS
Run Time: 09/01/95 12:04:44
Comment: SEGMENT 1 TOP @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	48.07	.0387	.0313	.0019	.0001	.0059
SDev	.0006	.34	.0060	.0011	.0001	.0000	.0043
%RSD	205.4	.6993	15.54	3.423	3.528	33.04	72.46
#1	-.0002	48.35	.0415	.0325	.0019	.0001	.0055
#2	.0001	48.17	.0318	.0305	.0019	.0001	.0018
#3	.0010	47.70	.0429	.0308	.0020	.0001	.0103

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1094	.0018	.0010	.0018	.1744	.0096	.0007
SDev	.0024	.0010	.0032	.0015	.0022	.0011	.0011
%RSD	2.227	55.41	305.1	84.60	1.284	11.90	151.0
#1	.1074	.0029	-.0017	.0015	.1719	.0086	-.0001
#2	.1086	.0015	.0002	.0004	.1757	.0094	.0003
#3	.1121	.0010	.0045	.0034	.1758	.0109	.0019

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.9413	.0516	.0024	.0141	.0431	.0196
SDev	.0003	.0047	.2179	.0015	.0006	.0064	.0003
%RSD	1550.	.5033	422.1	62.85	3.927	14.89	1.447
#1	.0000	.9444	-.0287	.0009	.0147	.0376	.0193
#2	-.0003	.9436	-.1147	.0025	.0136	.0415	.0197
#3	.0003	.9358	.2982	.0039	.0140	.0501	.0198

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	37.43	.0019	.1714	10.92	.0180	-.0014
SDev	.0012	.60	.0038	.0009	.02	.0043	.0176
%RSD	34.96	1.602	198.2	.5266	.2044	23.83	1293.
#1	.0030	38.09	.0001	.1724	10.90	.0131	-.0158
#2	.0049	37.25	-.0006	.1711	10.94	.0195	-.0065
#3	.0026	36.94	.0063	.1707	10.92	.0213	.0182

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0089	-.0048	.3137	.0031	.0051	-.0096
SDev	.0086	.0021	.0168	.0055	.0047	.0001	.0012
%RSD	852.3	23.80	348.8	1.743	151.7	1.183	12.53
#1	-.0071	-.0070	.0106	.3196	.0059	.0050	-.0110
#2	.0001	-.0085	-.0226	.3088	-.0023	.0050	-.0089
#3	.0101	-.0112	-.0024	.3125	.0057	.0051	-.0089

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0079	.0833	.0861	.0159	.0060	.0001
SDev	.0056	.0003	.0086	.0628	.0005	.0057	.0002

%RSD	988.1	3.794	10.30	72.88	3.302	94.12	336.2
#1	.0068	.0078	.0751	.0434	.0156	-.0005	.0002
#2	-.0009	.0076	.0827	.0568	.0157	.0087	-.0001
#3	-.0042	.0082	.0922	.1581	.0165	.0099	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0147	.0004
SDev	.0006	.0004
%RSD	3.931	122.9
#1	.0142	-.0001
#2	.0153	.0004
#3	.0147	.0008

Analysis Report Fri 09-01-95 12:09:35 PM page 1

Method: ICP1 Sample Name: 95-007941-H1T Operator: DRS
Run Time: 09/01/95 12:08:16
Comment: SEGMENT 1 TOP
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	243.1	.2233	.1591	.0101	.0006	.0298
SDev	.0003	1.6	.0110	.0015	.0001	.0000	.0039
%RSD	11.48	.6693	4.918	.9486	1.175	5.084	13.12
#1	.0029	244.8	.2272	.1601	.0100	.0006	.0254
#2	.0026	243.0	.2319	.1599	.0101	.0007	.0329
#3	.0032	241.5	.2109	.1574	.0102	.0006	.0313

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2624	.0061	.0169	.0113	.8806	.0529	.0030
SDev	.0011	.0005	.0050	.0007	.0041	.0006	.0001
%RSD	.4041	8.094	29.32	5.927	.4616	1.226	4.436
#1	.2617	.0066	.0158	.0109	.8809	.0523	.0029
#2	.2637	.0057	.0127	.0109	.8764	.0529	.0031
#3	.2619	.0060	.0224	.0121	.8846	.0535	.0030

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	4.708	.9750	.0080	.0683	.1904	.0990
SDev	.0001	.022	.1221	.0008	.0009	.0075	.0005
%RSD	13.80	.4660	12.52	10.50	1.333	3.940	.5239
#1	.0008	4.731	.8660	.0071	.0692	.1881	.0994
#2	.0009	4.707	.9520	.0082	.0682	.1987	.0993
#3	.0011	4.687	1.107	.0087	.0674	.1843	.0984

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0189	183.7	.0156	.8513	55.48	.1458	.0348
SDev	.0011	1.3	.0072	.0050	.26	.0042	.0097
%RSD	5.719	.7164	46.51	.5860	.4705	2.890	27.82
#1	.0187	185.1	.0073	.8515	55.74	.1418	.0282
#2	.0200	183.4	.0185	.8561	55.49	.1502	.0303
#3	.0179	182.5	.0209	.8462	55.21	.1455	.0459

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0182	-.0301	-.0153	1.634	.0218	.0252	-.0327
SDev	.0066	.0010	.0063	.008	.0177	.0001	.0111
%RSD	36.21	3.430	41.33	.4982	81.49	.4773	34.04
#1	.0118	-.0289	-.0090	1.643	.0109	.0254	-.0456
#2	.0178	-.0309	-.0217	1.627	.0122	.0252	-.0261
#3	.0249	-.0304	-.0152	1.632	.0422	.0251	-.0265

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0146	.0392	.4786	.3737	.0808	.0346	.0014
SDev	.0013	.0001	.0068	.0741	.0005	.0020	.0001

%RSD	8.966	.2711	1.428	19.84	.5706	5.666	9.889
#1	.0157	.0392	.4863	.2947	.0803	.0358	.0013
#2	.0132	.0394	.4764	.3847	.0808	.0357	.0015
#3	.0149	.0392	.4732	.4417	.0812	.0324	.0015

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0621	.0036
SDev	.0003	.0003
%RSD	.5424	8.357
#1	.0623	.0035
#2	.0617	.0040
#3	.0622	.0034

Analysis Report Fri 09-01-95 12:13:16 PM page 1

Method: ICP1 Sample Name: 95-007941-H2T Operator: DRS
Run Time: 09/01/95 12:11:56
Comment: SEGMENT 1 TOP DUPLICATE
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	320.8	.2904	.1832	.0136	.0008	.0612
SDev	.0006	2.0	.0217	.0021	.0001	.0000	.0015
%RSD	8.824	.6170	7.485	1.120	.5139	5.770	2.508
#1	.0069	319.9	.2828	.1831	.0137	.0008	.0625
#2	.0058	323.0	.2735	.1853	.0137	.0007	.0595
#3	.0065	319.4	.3149	.1812	.0136	.0008	.0615

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4269	.0116	.0227	.0266	4.570	.0694	.0036
SDev	.0020	.0021	.0058	.0006	.019	.0005	.0006
%RSD	.4683	17.79	25.74	2.239	.4076	.7133	15.82
#1	.4277	.0096	.0283	.0270	4.565	.0689	.0043
#2	.4283	.0137	.0167	.0259	4.591	.0696	.0033
#3	.4246	.0115	.0230	.0268	4.554	.0698	.0033

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	18.79	1.067	.0119	.0238	.3219	.4234
SDev	.0002	.10	.207	.0009	.0012	.0093	.0028
%RSD	9.354	.5529	19.44	7.272	4.894	2.877	.6663
#1	.0026	18.74	1.262	.0127	.0229	.3315	.4216
#2	.0023	18.91	.8488	.0110	.0233	.3213	.4266
#3	.0028	18.72	1.090	.0121	.0251	.3130	.4219

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0350	118.2	.0275	2.952	30.23	.1748	.0439
SDev	.0007	.3	.0052	.013	.17	.0067	.0112
%RSD	2.107	.2867	18.85	.4478	.5669	3.833	25.39
#1	.0342	117.9	.0318	2.945	30.24	.1810	.0506
#2	.0352	118.6	.0217	2.967	30.40	.1677	.0310
#3	.0356	118.1	.0290	2.943	30.06	.1757	.0501

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0262	-.0513	-.0042	1.784	-.0114	.0486	-.0449
SDev	.0045	.0028	.0045	.005	.0320	.0003	.0044
%RSD	17.15	5.470	107.4	.2642	281.9	.6874	9.802
#1	.0301	-.0545	-.0044	1.782	-.0412	.0484	-.0492
#2	.0213	-.0495	.0004	1.789	-.0153	.0490	-.0450
#3	.0272	-.0498	-.0086	1.780	.0225	.0484	-.0404

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0359	.0794	.6521	.5662	.0590	.0546	.0023
SDev	.0041	.0005	.0152	.0666	.0004	.0025	.0001

%RSD	11.47	.6249	2.323	11.77	.6555	4.629	6.233
#1	.0331	.0791	.6565	.6190	.0594	.0519	.0023
#2	.0406	.0799	.6646	.4914	.0589	.0569	.0021
#3	.0339	.0791	.6352	.5882	.0586	.0551	.0024

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0782	.0039
SDev	.0013	.0009
%RSD	1.710	23.58
#1	.0793	.0050
#2	.0785	.0032
#3	.0767	.0036

Analysis Report Fri 09-01-95 12:17:06 PM page 1

Method: ICP1 Sample Name: 95-007946-H1T Operator: DRS
Run Time: 09/01/95 12:15:46
Comment: QTR SEG 4B TOP HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.0393	.0114	-.0023	.0014	.0001	.0118
SDev	.0009	.0018	.0061	.0009	.0000	.0000	.0069
%RSD	13.72	4.541	53.43	39.29	.1480	24.29	58.76
#1	.0070	.0375	.0179	-.0023	.0014	.0001	.0041
#2	.0071	.0411	.0058	-.0014	.0014	.0001	.0176
#3	.0055	.0392	.0107	-.0033	.0014	.0001	.0138

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0147	.0020	.0411	.0040	.0008	.0048	.0073
SDev	.0011	.0003	.0055	.0011	.0022	.0005	.0013
%RSD	7.549	15.28	13.38	26.87	267.9	11.33	17.11
#1	-.0158	.0022	.0450	.0038	.0031	.0051	.0080
#2	-.0136	.0022	.0435	.0051	.0004	.0051	.0080
#3	-.0147	.0017	.0348	.0030	-.0011	.0042	.0059

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0045	1.422	.0132	.0063	.0257	.0004
SDev	.0003	.0004	.199	.0019	.0006	.0059	.0001
%RSD	13.46	9.828	13.97	14.65	8.818	22.78	33.16
#1	.0021	.0046	1.537	.0143	.0067	.0325	.0004
#2	.0021	.0049	1.537	.0144	.0057	.0219	.0005
#3	.0017	.0040	1.193	.0110	.0064	.0227	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0958	.0435	.0054	.0455	.0278	.1139
SDev	.0009	.0218	.0045	.0031	.0074	.0078	.0211
%RSD	37.96	22.73	10.28	57.62	16.24	28.18	18.52
#1	.0019	.1083	.0475	.0074	.0448	.0361	.1210
#2	.0033	.1084	.0443	.0071	.0532	.0267	.1306
#3	.0016	.0706	.0387	.0018	.0385	.0205	.0902

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0552	.0214	.0215	-.0087	.1338	.0005	.0192
SDev	.0104	.0009	.0076	.0056	.0222	.0001	.0031
%RSD	18.88	4.143	35.15	63.96	16.59	11.63	16.01
#1	.0616	.0205	.0257	-.0032	.1504	.0005	.0227
#2	.0609	.0214	.0128	-.0087	.1424	.0005	.0172
#3	.0432	.0223	.0261	-.0143	.1086	.0004	.0176

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0026	.0037	.6589	.0050	.0182	.0025
SDev	.0047	.0005	.0103	.0735	.0009	.0046	.0008

%RSD	218.4	21.03	280.8	11.15	18.24	25.42	29.80
#1	.0021	.0031	.0094	.7052	.0057	.0206	.0026
#2	-.0025	.0025	.0098	.6973	.0052	.0128	.0032
#3	.0070	.0021	-.0082	.5742	.0040	.0211	.0017

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0003	.0053
SDev	.0005	.0013
%RSD	153.0	24.20
#1	.0009	.0060
#2	.0001	.0061
#3	-.0000	.0038

Analysis Report Fri 09-01-95 12:20:24 PM page 1

Method: ICP1 Sample Name: 95-007946-H2T Operator: DRS
Run Time: 09/01/95 12:19:04
Comment: QTR SEG 4B TOP DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	.0209	.0017	-.0017	.0010	.0001	.0061
SDev	.0003	.0014	.0067	.0003	.0000	.0000	.0036
%RSD	5.550	6.600	399.3	20.48	.0138	35.55	59.10
#1	.0047	.0223	.0046	-.0019	.0010	.0001	.0049
#2	.0046	.0196	-.0060	-.0013	.0010	.0001	.0032
#3	.0051	.0208	.0065	-.0019	.0010	.0001	.0101

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0144	.0016	.0403	.0033	.0023	.0024	.0054
SDev	.0015	.0010	.0039	.0004	.0013	.0005	.0004
%RSD	10.30	60.12	9.709	12.75	56.00	20.39	8.327
#1	-.0160	.0023	.0381	.0029	.0010	.0027	.0055
#2	-.0131	.0005	.0380	.0032	.0024	.0019	.0050
#3	-.0141	.0020	.0448	.0037	.0035	.0027	.0059

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0028	1.044	.0101	.0052	.0182	.0002
SDev	.0002	.0006	.043	.0004	.0006	.0049	.0001
%RSD	12.60	20.42	4.148	3.637	10.66	27.09	90.64
#1	.0014	.0025	1.038	.0105	.0046	.0166	.0002
#2	.0012	.0023	1.004	.0099	.0057	.0238	.0000
#3	.0015	.0034	1.090	.0099	.0053	.0144	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0820	.0332	.0040	.0298	.0201	.0821
SDev	.0006	.0064	.0024	.0007	.0125	.0004	.0053
%RSD	50.65	7.846	7.116	17.33	41.77	2.066	6.427
#1	.0017	.0750	.0340	.0042	.0157	.0205	.0872
#2	.0014	.0834	.0305	.0045	.0347	.0197	.0767
#3	.0005	.0876	.0351	.0032	.0391	.0200	.0825

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0408	.0120	.0157	-.0104	.1055	.0003	.0158
SDev	.0059	.0051	.0008	.0046	.0130	.0000	.0032
%RSD	14.36	42.27	5.441	44.22	12.36	.4839	20.00
#1	.0442	.0164	.0166	-.0051	.1007	.0003	.0179
#2	.0340	.0064	.0152	-.0135	.0955	.0003	.0174
#3	.0441	.0133	.0151	-.0126	.1202	.0003	.0122

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	.0020	.0034	.4791	.0039	.0078	.0020
SDev	.0081	.0003	.0065	.0198	.0004	.0024	.0002

%RSD	116.6	14.18	188.1	4.133	10.71	30.11	8.848
#1	-.0023	.0019	.0024	.5007	.0039	.0057	.0021
#2	.0130	.0017	-.0025	.4748	.0034	.0074	.0018
#3	.0102	.0023	.0104	.4618	.0043	.0104	.0021

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0001	.0035
SDev	.0002	.0008
%RSD	146.7	21.47
#1	-.0000	.0044
#2	-.0003	.0029
#3	-.0000	.0033

Analysis Report QC Standard Fri 09-01-95 12:24:27 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/01/95 12:23:08
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS 9/1/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4815	25.03	2.638	2.005	.5081	.0933	24.29
SDev	.0026	.19	.021	.020	.0044	.0006	.13
%RSD	.5358	.7718	.7845	1.022	.8760	.6807	.5526
#1	.4806	24.98	2.615	1.995	.5070	.0931	24.24
#2	.4844	25.25	2.655	2.028	.5130	.0940	24.44
#3	.4795	24.87	2.643	1.991	.5043	.0928	24.18
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	25.25	.4996	-.0296	1.040	1.033	1.015	.0005
SDev	.11	.0036	.0077	.005	.006	.008	.0009
%RSD	.4498	.7176	25.97	.4860	.5856	.7993	162.6
#1	25.20	.4955	-.0259	1.037	1.039	1.014	.0009
#2	25.33	.5023	-.0384	1.046	1.033	1.024	-.0005
#3	25.17	.5009	-.0244	1.037	1.027	1.008	.0012
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	20.63	25.14	.0066	1.917	26.59	.5173
SDev	.0001	.11	.34	.0008	.024	.16	.0039
%RSD	3.153	.5411	1.346	12.67	1.250	.5933	.7516
#1	.0021	20.59	25.19	.0070	1.914	26.55	.5148
#2	.0020	20.75	25.45	.0056	1.943	26.76	.5218
#3	.0021	20.54	24.78	.0072	1.895	26.45	.5155
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	1.040	24.24	.0117	1.073	.0726	2.641	-.0271
SDev	.005	.32	.0063	.010	.0318	.010	.0085
%RSD	.4967	1.321	54.19	.8913	43.78	.3648	31.26
#1	1.037	24.23	.0126	1.074	.0947	2.641	-.0227
#2	1.046	24.56	.0049	1.081	.0871	2.651	-.0369
#3	1.038	23.92	.0175	1.062	.0362	2.632	-.0218
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	.0009	2.560	2.493	18.93	-.0853	.5160	-.0082
SDev	.0054	.009	.018	.12	.0282	.0043	.0062
%RSD	608.2	.3681	.7208	.6172	33.09	.8359	76.15
#1	.0042	2.549	2.482	18.88	-.0740	.5147	-.0040
#2	-.0054	2.567	2.513	19.07	-.1175	.5209	-.0153
#3	.0038	2.565	2.483	18.85	-.0645	.5125	-.0052
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	.0463	1.005	2.488	.1073	1.002	.0389	-.0001
SDev	.0019	.006	.037	.0801	.005	.0018	.0004
%RSD	4.049	.6259	1.475	74.59	.5160	4.625	662.2
#1	.0448	1.003	2.465	.0983	1.001	.0400	.0000
#2	.0457	1.012	2.530	.0322	1.008	.0369	-.0006
#3	.0484	1.0000	2.468	.1916	.9977	.0400	.0003
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.042	2.073
SDev	.002	.015
%RSD	.2261	.7247
#1	1.042	2.065
#2	1.044	2.090
#3	1.040	2.064
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Fri 09-01-95 12:28:11 PM page 1

Method: ICP1 Sample Name: STD1-Blank Operator: DRS
Run Time: 09/01/95 12:26:52
Comment: QTR SEG 4B TOP DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0004	-.0008	-.0009	-.0001	-.0000	-.0007
SDev	.0001	.0041	.0086	.0011	.0001	.0000	.0040
%RSD	90.52	1044.	1125.	134.2	86.40	11.75	610.0
#1	-.0000	.0050	-.0002	-.0019	-.0000	-.0000	-.0037
#2	.0002	-.0008	.0076	.0004	-.0000	-.0000	.0039
#3	.0002	-.0029	-.0097	-.0011	-.0002	-.0000	-.0022

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0021	-.0028	-.0001	-.0020	-.0015	.0006
SDev	.0014	.0024	.0041	.0010	.0014	.0007	.0005
%RSD	43.78	111.1	144.7	644.0	69.15	44.32	85.62
#1	.0046	-.0006	-.0011	.0004	-.0016	-.0010	.0011
#2	.0029	.0035	-.0075	.0005	-.0036	-.0022	.0003
#3	.0019	.0035	.0001	-.0012	-.0008	-.0013	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0024	-.1319	.0018	.0007	.0053	-.0001
SDev	.0001	.0001	.0788	.0004	.0010	.0029	.0002
%RSD	69.94	5.531	59.77	20.42	144.3	54.48	120.6
#1	-.0003	.0023	-.0631	.0018	.0013	.0029	.0001
#2	-.0001	.0026	-.1147	.0015	-.0005	.0044	-.0002
#3	-.0001	.0024	-.2179	.0022	.0013	.0085	-.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0155	-.0010	.0021	.0156	-.0095	-.0082
SDev	.0010	.0190	.0028	.0018	.0020	.0017	.0062
%RSD	570.7	122.8	275.4	86.83	12.71	18.04	75.05
#1	-.0008	.0337	.0019	.0038	.0172	-.0109	-.0015
#2	.0012	-.0042	-.0038	.0024	.0162	-.0076	-.0136
#3	.0001	.0169	-.0012	.0001	.0134	-.0101	-.0097

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0079	.0025	.0087	-.0228	-.0000	-.0021
SDev	.0018	.0003	.0056	.0036	.0127	.0001	.0018
%RSD	499.3	3.956	227.0	40.62	55.89	182.9	88.70
#1	-.0019	.0082	.0054	.0119	-.0173	.0000	-.0033
#2	-.0008	.0077	-.0040	.0049	-.0373	-.0001	.0000
#3	.0016	.0077	.0060	.0095	-.0137	-.0001	-.0030

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.0002	-.0061	-.0300	-.0002	.0052	-.0001
SDev	.0019	.0001	.0029	.0229	.0005	.0064	.0003

%RSD	65.66	93.70	47.84	76.34	262.8	123.7	350.8
#1	.0050	.0003	-.0091	-.0193	.0000	-.0020	-.0001
#2	.0026	.0001	-.0032	-.0144	.0002	.0103	.0002
#3	.0012	.0001	-.0062	-.0563	-.0007	.0073	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0004	.0002
SDev	.0006	.0001
%RSD	155.5	76.17
#1	-.0002	.0003
#2	.0004	.0003
#3	.0010	.0000

Analysis Report Fri 09-01-95 12:34:52 PM page 1

Method: ICP1 Sample Name: 95-007941-HCB @2 Operator: DRS
Run Time: 09/01/95 12:33:33
Comment: KOH/Ni FUSION PROCESS BLANK @2X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.4502	.0380	.1494	.0041	.0001	.0254
SDev	.0014	.0048	.0075	.0019	.0003	.0001	.0016
%RSD	37.78	1.057	19.66	1.264	7.352	73.31	6.317
#1	.0034	.4515	.0312	.1494	.0041	.0000	.0238
#2	.0026	.4449	.0460	.1475	.0038	.0001	.0270
#3	.0054	.4542	.0367	.1513	.0044	.0002	.0255

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1214	.0106	.0124	.0144	.0182	-.0295	.0038
SDev	.0027	.0009	.0080	.0005	.0019	.0015	.0009
%RSD	2.218	8.526	64.45	3.478	10.47	4.995	24.26
#1	.1197	.0114	.0066	.0139	.0198	-.0301	.0032
#2	.1200	.0096	.0092	.0143	.0161	-.0305	.0033
#3	.1245	.0109	.0216	.0149	.0187	-.0278	.0049

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.2961	5015.	.0078	.0534	.0509	.0955
SDev	.0003	.0027	52.	.0024	.0016	.0055	.0008
%RSD	69.66	.9301	1.038	31.45	3.101	10.76	.8455
#1	.0003	.2958	5026.	.0064	.0530	.0497	.0949
#2	.0003	.2989	5060.	.0063	.0519	.0461	.0965
#3	.0009	.2935	4958.	.0106	.0552	.0569	.0953

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0099	2.146	.0143	11.38	.0942	.0577	.0282
SDev	.0009	.012	.0074	.09	.0178	.0141	.0249
%RSD	9.113	.5704	51.97	.8113	18.86	24.49	88.29
#1	.0092	2.139	.0112	11.39	.0968	.0477	.0116
#2	.0097	2.160	.0089	11.47	.0753	.0516	.0162
#3	.0109	2.139	.0228	11.28	.1105	.0739	.0569

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0522	.0343	.0437	.4443	.1629	.0020	.0351
SDev	.0100	.0073	.0047	.0022	.0340	.0001	.0051
%RSD	19.21	21.13	10.75	.5000	20.89	6.064	14.46
#1	.0463	.0335	.0425	.4424	.1383	.0020	.0314
#2	.0464	.0275	.0398	.4438	.1487	.0020	.0329
#3	.0637	.0419	.0489	.4468	.2017	.0022	.0408

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0199	.1122	.0251	.2673	.0046	.0307	.0010
SDev	.0024	.0011	.0092	.0927	.0014	.0094	.0003

%RSD	11.88	.9671	36.65	34.69	29.29	30.43	27.80
#1	.0194	.1126	.0191	.2011	.0038	.0232	.0010
#2	.0179	.1131	.0205	.2276	.0038	.0278	.0007
#3	.0225	.1110	.0357	.3733	.0062	.0412	.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0075	.0657
SDev	.0012	.0006
%RSD	16.21	.9003
#1	.0073	.0651
#2	.0063	.0656
#3	.0087	.0663

Analysis Report Fri 09-01-95 12:37:31 PM page 1

Method: ICP1 Sample Name: 95-007941-H1T @10 K Operator: DRS
Run Time: 09/01/95 12:36:12
Comment: SEGMENT 1 TOP @10X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	14.87	.0360	.0282	.0028	.0001	.0338
SDev	.0005	.01	.0083	.0008	.0001	.0000	.0037
%RSD	16.61	.0828	22.96	2.784	4.956	45.06	11.08
#1	.0028	14.86	.0384	.0283	.0030	.0001	.0363
#2	.0032	14.87	.0428	.0273	.0027	.0001	.0295
#3	.0023	14.88	.0268	.0288	.0027	.0001	.0356

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1017	.0053	.0155	.0068	.0148	-.0019	.0042
SDev	.0005	.0006	.0013	.0006	.0013	.0011	.0004
%RSD	.4594	12.10	8.575	9.042	8.914	55.89	8.663
#1	.1015	.0045	.0156	.0062	.0142	-.0008	.0045
#2	.1014	.0057	.0167	.0066	.0139	-.0020	.0043
#3	.1022	.0056	.0141	.0074	.0163	-.0030	.0038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.1641	1125.	.0064	.0135	.0457	.0336
SDev	.0001	.0008	4.	.0014	.0002	.0019	.0004
%RSD	15.39	.5007	.3644	22.48	1.549	4.225	1.073
#1	.0007	.1643	1121.	.0074	.0132	.0460	.0333
#2	.0008	.1649	1127.	.0071	.0136	.0474	.0337
#3	.0006	.1633	1128.	.0048	.0136	.0436	.0340

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	10.93	.0167	10.87	2.613	.0350	.0468
SDev	.0018	.07	.0005	.03	.035	.0022	.0052
%RSD	54.81	.6454	3.074	.2824	1.351	6.346	11.19
#1	.0026	10.85	.0161	10.87	2.583	.0367	.0505
#2	.0052	10.97	.0170	10.90	2.604	.0357	.0492
#3	.0019	10.97	.0171	10.83	2.652	.0324	.0408

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0311	.0183	.0263	.6454	.1212	.0030	.0131
SDev	.0026	.0142	.0064	.0054	.0297	.0000	.0061
%RSD	8.486	77.76	24.21	.8410	24.53	.0674	46.49
#1	.0287	.0326	.0337	.6513	.1387	.0030	.0202
#2	.0339	.0182	.0229	.6407	.1379	.0030	.0094
#3	.0309	.0041	.0224	.6442	.0868	.0030	.0099

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	.0394	.0351	.3713	.0074	.0227	.0008
SDev	.0046	.0001	.0034	.0249	.0002	.0076	.0004

%RSD	81.13	.3632	9.536	6.705	3.230	33.63	43.70
#1	.0053	.0394	.0370	.3892	.0076	.0279	.0012
#2	.0105	.0396	.0371	.3429	.0075	.0263	.0006
#3	.0013	.0393	.0313	.3820	.0072	.0139	.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0022	.0198
SDev	.0015	.0002
%RSD	67.75	.9271
#1	.0038	.0201
#2	.0015	.0197
#3	.0012	.0198

Analysis Report Fri 09-01-95 12:40:55 PM page 1

Method: ICP1 Sample Name: 95-007941-H1T @10 R Operator: DRS
Run Time: 09/01/95 12:39:36
Comment: SEGMENT 1 TOP @10X DIL RERUN HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	14.72	.0337	.0266	.0028	.0001	.0315
SDev	.0016	.17	.0060	.0007	.0003	.0000	.0115
%RSD	51.91	1.170	17.68	2.628	8.928	14.36	36.46
#1	.0030	14.62	.0400	.0274	.0028	.0001	.0321
#2	.0015	14.92	.0282	.0260	.0025	.0001	.0198
#3	.0046	14.62	.0330	.0265	.0030	.0001	.0428

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0584	.0048	.0187	.0067	.0165	-.0025	.0040
SDev	.0024	.0018	.0097	.0019	.0017	.0003	.0011
%RSD	4.063	38.23	52.07	28.16	10.60	11.05	28.02
#1	.0585	.0068	.0195	.0067	.0167	-.0023	.0041
#2	.0560	.0044	.0085	.0048	.0181	-.0028	.0028
#3	.0608	.0032	.0279	.0085	.0146	-.0024	.0030

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.1620	1114.	.0070	.0132	.0500	.0335
SDev	.0004	.0008	15.	.0021	.0006	.0049	.0004
%RSD	51.22	.5041	1.347	29.20	4.715	9.846	1.197
#1	.0008	.1612	1106.	.0065	.0129	.0533	.0334
#2	.0003	.1628	1131.	.0053	.0129	.0444	.0339
#3	.0011	.1619	1105.	.0093	.0140	.0524	.0331

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	10.82	.0172	10.78	2.595	.0366	.0421
SDev	.0006	.13	.0083	.10	.060	.0123	.0207
%RSD	13.47	1.231	48.55	.9062	2.299	33.50	49.12
#1	.0045	10.77	.0187	10.73	2.555	.0341	.0518
#2	.0036	10.97	.0082	10.89	2.664	.0258	.0184
#3	.0046	10.72	.0247	10.72	2.567	.0500	.0562

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0322	.0164	.0232	.6597	.1129	.0029	.0219
SDev	.0099	.0034	.0036	.0144	.0193	.0001	.0034
%RSD	30.85	20.62	15.64	2.180	17.09	1.829	15.66
#1	.0356	.0188	.0238	.6432	.1302	.0030	.0180
#2	.0210	.0125	.0265	.6697	.1163	.0029	.0233
#3	.0400	.0179	.0193	.6661	.0921	.0030	.0243

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0115	.0394	.0342	.2950	.0072	.0217	.0010
SDev	.0034	.0002	.0110	.1373	.0011	.0095	.0009

%RSD	29.29	.6108	32.16	46.54	15.07	43.59	89.96
#1	.0099	.0392	.0215	.3451	.0072	.0139	.0009
#2	.0092	.0394	.0411	.1397	.0062	.0191	.0001
#3	.0153	.0397	.0400	.4003	.0084	.0322	.0018

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0015	.0191
SDev	.0007	.0011
%RSD	44.11	5.573
#1	.0013	.0194
#2	.0022	.0179
#3	.0010	.0199

Analysis Report Fri 09-01-95 12:45:27 PM page 1

Method: ICP1 Sample Name: 95-007941-H1T @2 KOH Operator: DRS
Run Time: 09/01/95 12:44:08
Comment: SEGMENT 1 TOP @2X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	69.60	.1296	.1350	.0113	.0004	.1470
SDev	.0006	.48	.0156	.0028	.0001	.0000	.0071
%RSD	10.11	.6920	12.07	2.084	1.058	5.893	4.841
#1	.0051	69.99	.1116	.1320	.0113	.0004	.1401
#2	.0062	69.07	.1400	.1355	.0114	.0004	.1543
#3	.0060	69.75	.1373	.1376	.0112	.0004	.1465

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5811	.0136	.0299	.0253	.0748	-.0103	.0084
SDev	.0021	.0013	.0092	.0013	.0016	.0015	.0010
%RSD	.3606	9.784	30.87	4.937	2.197	14.27	11.65
#1	.5807	.0141	.0194	.0245	.0738	-.0119	.0075
#2	.5793	.0146	.0336	.0267	.0767	-.0090	.0094
#3	.5834	.0121	.0368	.0245	.0739	-.0100	.0081

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.7507	4932.	.0126	.0535	.1633	.1542
SDev	.0002	.0040	35.	.0014	.0008	.0058	.0004
%RSD	20.61	.5388	.7052	11.24	1.410	3.574	.2760
#1	.0008	.7540	4963.	.0110	.0544	.1566	.1546
#2	.0013	.7462	4894.	.0133	.0529	.1669	.1541
#3	.0012	.7519	4937.	.0135	.0533	.1665	.1537

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0146	49.57	.0259	49.62	12.34	.1263	.0689
SDev	.0011	.32	.0064	.23	.10	.0033	.0167
%RSD	7.227	.6524	24.75	.4703	.7753	2.607	24.22
#1	.0137	49.88	.0188	49.76	12.43	.1231	.0549
#2	.0144	49.23	.0311	49.35	12.35	.1296	.0874
#3	.0158	49.60	.0278	49.75	12.24	.1262	.0644

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0682	.0447	.0545	2.998	.2530	.0134	.0474
SDev	.0044	.0054	.0015	.013	.0353	.0001	.0056
%RSD	6.512	12.14	2.774	.4393	13.95	.8374	11.88
#1	.0631	.0388	.0528	2.999	.2199	.0133	.0414
#2	.0704	.0459	.0553	2.984	.2901	.0134	.0482
#3	.0712	.0494	.0555	3.010	.2490	.0135	.0526

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0336	.1803	.1721	.6207	.0262	.0743	.0017
SDev	.0032	.0010	.0105	.0714	.0005	.0037	.0006

%RSD	9.633	.5537	6.095	11.51	2.075	5.008	35.13
#1	.0371	.1811	.1727	.5666	.0256	.0765	.0011
#2	.0308	.1791	.1614	.7017	.0265	.0700	.0022
#3	.0328	.1805	.1823	.5938	.0265	.0763	.0017

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0076	.0852
SDev	.0024	.0004
%RSD	32.34	.5270
#1	.0064	.0851
#2	.0059	.0849
#3	.0104	.0857

Analysis Report Fri 09-01-95 12:49:15 PM page 1

Method: ICP1 Sample Name: 95-007941-H2T @2 KOH Operator: DRS
Run Time: 09/01/95 12:47:56
Comment: SEGMENT 1 TOP @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	68.44	.1189	.1569	.0078	.0003	.0518
SDev	.0010	.49	.0005	.0013	.0002	.0000	.0058
%RSD	18.72	.7109	.3880	.8510	2.667	9.429	11.16
#1	.0068	67.91	.1193	.1581	.0079	.0003	.0467
#2	.0049	68.87	.1184	.1570	.0075	.0003	.0581
#3	.0051	68.53	.1190	.1555	.0079	.0003	.0507

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7437	.0144	.0263	.0203	.0799	-.0093	.0067
SDev	.0020	.0014	.0008	.0008	.0024	.0012	.0004
%RSD	.2645	9.898	2.914	3.995	3.018	13.09	5.859
#1	.7429	.0159	.0262	.0212	.0826	-.0081	.0071
#2	.7460	.0142	.0256	.0196	.0790	-.0105	.0063
#3	.7423	.0130	.0271	.0203	.0781	-.0094	.0068

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.4988	4761.	.0089	.0600	.1136	.1392
SDev	.0001	.0022	27.	.0013	.0006	.0040	.0008
%RSD	12.34	.4450	.5661	13.95	.9196	3.522	.5551
#1	.0013	.4962	4730.	.0101	.0602	.1093	.1383
#2	.0010	.5000	4781.	.0076	.0605	.1172	.1397
#3	.0012	.5001	4771.	.0091	.0594	.1143	.1395

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0146	50.12	.0289	25.96	15.54	.0959	.0628
SDev	.0011	.29	.0069	.13	.07	.0062	.0136
%RSD	7.373	.5844	23.84	.5031	.4550	6.465	21.60
#1	.0155	49.78	.0355	25.81	15.46	.0888	.0764
#2	.0134	50.32	.0217	26.07	15.58	.0985	.0492
#3	.0149	50.25	.0294	25.99	15.58	.1003	.0629

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0556	.0443	.0535	2.089	.2170	.0110	.0386
SDev	.0027	.0096	.0131	.010	.0035	.0000	.0069
%RSD	4.792	21.66	24.45	.4611	1.603	.0350	17.98
#1	.0577	.0429	.0475	2.079	.2164	.0110	.0465
#2	.0526	.0354	.0686	2.098	.2208	.0110	.0337
#3	.0565	.0545	.0446	2.088	.2139	.0110	.0356

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0272	.0920	.1557	.5486	.0231	.0601	.0018
SDev	.0045	.0003	.0023	.0379	.0006	.0017	.0002

%RSD	16.54	.2837	1.490	6.905	2.808	2.775	9.653
#1	.0320	.0917	.1578	.5605	.0236	.0610	.0020
#2	.0263	.0921	.1532	.5061	.0224	.0582	.0017
#3	.0232	.0923	.1562	.5790	.0234	.0611	.0017

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0265	.0947
SDev	.0026	.0006
%RSD	9.928	.6490
#1	.0293	.0941
#2	.0241	.0953
#3	.0262	.0949

Analysis Report Fri 09-01-95 12:52:52 PM page 1

Method: ICP1 Sample Name: 95-007941-H1B @2 KOH Operator: DRS
Run Time: 09/01/95 12:51:33
Comment: SEGMENT 1 BOTTOM @2X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	73.84	.1145	.1602	.0136	.0005	.1097
SDev	.0015	1.28	.0234	.0031	.0002	.0001	.0052
%RSD	17.33	1.727	20.46	1.905	1.316	14.35	4.739
#1	.0072	75.31	.0888	.1636	.0134	.0004	.1049
#2	.0094	73.16	.1200	.1578	.0138	.0005	.1089
#3	.0102	73.05	.1347	.1590	.0137	.0005	.1152

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6836	.0121	.0504	.0117	.0750	.0087	.0084
SDev	.0049	.0014	.0119	.0012	.0008	.0009	.0015
%RSD	.7154	11.15	23.58	10.47	1.004	9.961	17.62
#1	.6892	.0125	.0368	.0105	.0755	.0077	.0067
#2	.6807	.0106	.0554	.0116	.0754	.0091	.0093
#3	.6808	.0132	.0590	.0130	.0742	.0093	.0092

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.9276	4591.	.0249	.0413	.2059	.1109
SDev	.0004	.0122	81.	.0025	.0010	.0025	.0013
%RSD	19.65	1.319	1.760	10.13	2.312	1.235	1.137
#1	.0017	.9417	4685.	.0220	.0406	.2065	.1122
#2	.0024	.9202	4548.	.0266	.0424	.2031	.1098
#3	.0024	.9208	4542.	.0260	.0410	.2081	.1105

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0124	50.86	.0435	13.21	15.05	.1310	.1144
SDev	.0008	.93	.0092	.15	.21	.0098	.0232
%RSD	6.118	1.834	21.24	1.159	1.378	7.455	20.32
#1	.0121	51.93	.0334	13.39	15.28	.1286	.0877
#2	.0133	50.38	.0458	13.12	14.88	.1227	.1251
#3	.0119	50.26	.0514	13.13	14.99	.1417	.1303

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0724	.0459	.0408	2.773	.2550	.0158	.0488
SDev	.0126	.0037	.0077	.041	.0148	.0002	.0145
%RSD	17.44	8.047	18.75	1.493	5.789	1.188	29.70
#1	.0585	.0417	.0459	2.821	.2381	.0160	.0321
#2	.0754	.0473	.0445	2.753	.2652	.0156	.0566
#3	.0832	.0487	.0320	2.746	.2617	.0158	.0578

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0199	.0735	.1796	.7959	.0326	.0527	.0030
SDev	.0021	.0003	.0008	.1592	.0013	.0063	.0007

%RSD	10.58	.4422	.4170	20.00	4.003	11.98	23.47
#1	.0175	.0738	.1797	.6148	.0311	.0455	.0023
#2	.0209	.0732	.1802	.9140	.0333	.0571	.0031
#3	.0214	.0734	.1787	.8588	.0335	.0555	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0418	.0570
SDev	.0012	.0005
%RSD	2.967	.9396
#1	.0417	.0565
#2	.0431	.0570
#3	.0406	.0575

Analysis Report Fri 09-01-95 12:56:45 PM page 1

Method: ICP1 Sample Name: 95-007941-H2B @2 KOH Operator: DRS
Run Time: 09/01/95 12:55:25
Comment: SEGMENT 1 BOTTOM @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	90.30	.1408	.1227	.0083	.0004	.0279
SDev	.0011	1.27	.0106	.0025	.0000	.0000	.0076
%RSD	15.10	1.402	7.510	2.045	.0503	8.917	27.28
#1	.0070	90.15	.1333	.1208	.0083	.0004	.0229
#2	.0083	89.12	.1529	.1219	.0083	.0005	.0366
#3	.0062	91.64	.1362	.1256	.0083	.0004	.0241

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9795	.0040	.0404	.0215	.0860	.0326	.0075
SDev	.0072	.0010	.0105	.0011	.0011	.0013	.0014
%RSD	.7359	25.50	26.03	5.259	1.297	4.116	18.19
#1	.9753	.0051	.0358	.0213	.0865	.0311	.0077
#2	.9754	.0031	.0524	.0228	.0868	.0333	.0088
#3	.9878	.0038	.0329	.0206	.0847	.0336	.0061

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.7597	4884.	.0135	.0210	.1635	.1186
SDev	.0004	.0086	65.	.0021	.0010	.0026	.0011
%RSD	20.11	1.128	1.335	15.74	4.974	1.582	.9500
#1	.0018	.7560	4880.	.0142	.0204	.1665	.1182
#2	.0024	.7537	4821.	.0151	.0222	.1622	.1178
#3	.0017	.7695	4952.	.0111	.0204	.1619	.1199

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	60.51	.0385	3.585	18.29	.0885	.0964
SDev	.0020	.99	.0099	.040	.24	.0022	.0181
%RSD	13.97	1.630	25.68	1.113	1.318	2.537	18.75
#1	.0158	60.52	.0403	3.575	18.32	.0883	.1012
#2	.0144	59.52	.0474	3.551	18.04	.0909	.1117
#3	.0119	61.49	.0279	3.629	18.52	.0864	.0765

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0598	.0366	.0424	2.576	.2224	.0158	.0391
SDev	.0107	.0064	.0150	.022	.0300	.0002	.0095
%RSD	17.87	17.53	35.41	.8496	13.50	1.167	24.33
#1	.0618	.0309	.0433	2.575	.2245	.0158	.0345
#2	.0693	.0435	.0570	2.555	.2513	.0156	.0500
#3	.0482	.0353	.0270	2.598	.1914	.0160	.0327

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0132	.0562	.2017	.7508	.0382	.0462	.0026
SDev	.0063	.0004	.0072	.1273	.0005	.0012	.0004

%RSD	47.62	.6362	3.574	16.96	1.375	2.666	15.13
#1	.0075	.0559	.1942	.7167	.0382	.0468	.0025
#2	.0199	.0562	.2085	.8917	.0388	.0448	.0031
#3	.0121	.0566	.2025	.6440	.0377	.0471	.0023

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0557	.0077
SDev	.0009	.0009
%RSD	1.673	11.78
#1	.0559	.0082
#2	.0546	.0081
#3	.0564	.0066

Analysis Report QC Standard Fri 09-01-95 01:00:25 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/01/95 12:59:06
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS DRS 9/1/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4845	25.25	2.645	2.015	.5105	.0937	24.37
SDev	.0018	.07	.010	.014	.0017	.0002	.05
%RSD	.3779	.2647	.3957	.6797	.3277	.2461	.2085
#1	.4834	25.23	2.636	2.026	.5109	.0937	24.32
#2	.4866	25.32	2.656	2.021	.5119	.0940	24.42
#3	.4835	25.19	2.642	2.000	.5086	.0935	24.36
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.42	.4985	-.0392	1.048	1.035	1.020	.0009
SDev	.05	.0026	.0032	.003	.005	.004	.0006
%RSD	.1852	.5242	8.122	.3136	.4921	.3943	64.78
#1	25.38	.4971	-.0380	1.045	1.030	1.021	.0003
#2	25.48	.4968	-.0429	1.049	1.036	1.023	.0010
#3	25.41	.5015	-.0369	1.051	1.040	1.015	.0015
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	20.75	25.56	.0088	1.945	26.77	.5212
SDev	.0002	.05	.27	.0007	.015	.06	.0017
%RSD	8.263	.2337	1.045	8.173	.7733	.2318	.3311
#1	.0021	20.74	25.57	.0082	1.943	26.74	.5205
#2	.0021	20.80	25.81	.0096	1.960	26.84	.5232
#3	.0024	20.71	25.28	.0086	1.930	26.73	.5199
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.047	24.63	.0137	1.078	.0974	2.663	-.0276
SDev	.003	.17	.0027	.002	.0113	.009	.0056
%RSD	.3025	.7056	19.91	.2253	11.59	.3232	20.46
#1	1.044	24.65	.0147	1.077	.0844	2.653	-.0333
#2	1.050	24.79	.0106	1.076	.1040	2.667	-.0220
#3	1.048	24.44	.0158	1.081	.1039	2.668	-.0274
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 Fri 09-01-95 01:00:25 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	2.578	2.503	19.10	-.0808	.5196	-.0070
SDev	.0010	.015	.017	.05	.0115	.0015	.0020
%RSD	27.66	.5691	.6856	.2554	14.21	.2958	28.14
#1	.0029	2.562	2.498	19.08	-.0746	.5196	-.0050
#2	.0036	2.581	2.522	19.15	-.0737	.5212	-.0089
#3	.0049	2.591	2.489	19.06	-.0941	.5181	-.0070
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	.0508	1.012	2.502	.1243	1.008	.0377	.0001
SDev	.0023	.002	.005	.0631	.003	.0062	.0003
%RSD	4.477	.2301	.2108	50.73	.2954	16.40	261.1
#1	.0526	1.012	2.496	.0535	1.007	.0322	-.0003
#2	.0482	1.015	2.503	.1449	1.012	.0365	.0003
#3	.0515	1.010	2.507	.1745	1.007	.0443	.0003
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.053	2.089
SDev	.004	.004
%RSD	.3423	.2101
#1	1.049	2.087
#2	1.056	2.094
#3	1.055	2.086
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Fri 09-01-95 01:04:45 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/01/95 13:03:26
Comment: SEGMENT 1 BOTTOM @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0044	.0062	.0001	-.0000	.0000	-.0014
SDev	.0002	.0011	.0076	.0014	.0000	.0000	.0076
%RSD	58.86	24.40	122.2	1054.	1.711	27.44	530.0
#1	.0003	.0037	.0084	-.0014	-.0000	.0000	-.0028
#2	.0007	.0038	-.0022	.0010	-.0000	.0000	.0067
#3	.0003	.0056	.0124	.0008	-.0000	.0000	-.0082

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.0006	.0008	.0002	.0000	.0006	.0013
SDev	.0009	.0007	.0022	.0001	.0014	.0012	.0003
%RSD	23.20	121.6	285.3	52.32	3629.	207.7	22.28
#1	.0028	.0007	-.0003	.0003	.0001	.0001	.0010
#2	.0045	-.0002	-.0007	.0001	.0014	.0019	.0013
#3	.0040	.0013	.0032	.0002	-.0013	-.0003	.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0020	-.3326	.0022	.0011	.0073	-.0002
SDev	.0001	.0002	.0099	.0011	.0011	.0027	.0001
%RSD	112.4	11.29	2.986	51.89	101.9	36.66	44.61
#1	.0000	.0019	-.3212	.0010	-.0001	.0062	-.0003
#2	.0002	.0017	-.3384	.0024	.0020	.0103	-.0001
#3	.0000	.0022	-.3384	.0033	.0013	.0053	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0125	.0026	.0034	.0250	-.0011	.0009
SDev	.0007	.0168	.0019	.0023	.0134	.0018	.0067
%RSD	3620.	134.1	74.72	68.31	53.69	170.8	788.2
#1	-.0006	-.0043	.0004	.0051	.0383	.0009	-.0048
#2	-.0001	.0126	.0039	.0044	.0251	-.0013	.0083
#3	.0007	.0294	.0036	.0007	.0115	-.0027	-.0009

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0106	-.0014	.0017	.0108	-.0000	.0031
SDev	.0018	.0068	.0106	.0056	.0132	.0001	.0008
%RSD	80.26	64.61	778.5	329.0	122.0	2040.	24.51
#1	.0007	.0094	.0026	-.0036	-.0027	-.0001	.0035
#2	.0018	.0044	-.0134	.0011	.0237	.0000	.0022
#3	.0042	.0179	.0067	.0076	.0115	.0000	.0034

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	.0001	-.0063	.0340	.0008	.0056	.0002
SDev	.0016	.0002	.0040	.0281	.0001	.0041	.0003

%RSD	19.18	170.1	64.14	82.59	8.370	72.73	177.4
#1	.0064	.0003	-.0078	.0450	.0007	.0040	.0002
#2	.0089	.0003	-.0094	.0021	.0008	.0025	.0005
#3	.0094	-.0001	-.0017	.0549	.0009	.0102	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0005	.0001
SDev	.0004	.0002
%RSD	90.83	164.0
#1	.0003	-.0001
#2	.0010	.0004
#3	.0002	.0001

Analysis Report Fri 09-01-95 01:08:14 PM page 1

Method: ICP1 Sample Name: 95-007946-HCB Ø2 KOH Operator: DRS
Run Time: 09/01/95 13:06:55
Comment: KOH/Ni FUSION PROCESS BLANK Ø2X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	.5151	.0801	.1151	.0049	.0003	.0852
SDev	.0005	.0003	.0014	.0006	.0003	.0000	.0043
%RSD	8.283	.0672	1.800	.4830	6.095	5.938	5.087
#1	.0058	.5155	.0816	.1146	.0046	.0003	.0839
#2	.0066	.5149	.0800	.1157	.0049	.0003	.0816
#3	.0067	.5150	.0787	.1151	.0052	.0003	.0900

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1863	.0131	.0294	.0338	.0378	.0148	.0105
SDev	.0010	.0010	.0032	.0010	.0027	.0008	.0006
%RSD	.5501	7.701	10.76	2.924	7.165	5.144	5.650
#1	.1851	.0142	.0259	.0327	.0407	.0143	.0101
#2	.1868	.0122	.0300	.0345	.0354	.0157	.0103
#3	.1869	.0130	.0322	.0343	.0374	.0144	.0112

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.1906	4942.	.0096	.0112	.0570	.2029
SDev	.0001	.0016	37.	.0021	.0006	.0046	.0023
%RSD	10.69	.8650	.7476	21.69	4.950	8.130	1.128
#1	.0013	.1921	4977.	.0077	.0118	.0537	.2044
#2	.0013	.1909	4946.	.0092	.0107	.0623	.2040
#3	.0016	.1888	4903.	.0118	.0111	.0550	.2003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0121	2.249	.0308	67.51	.1432	.0656	.1996
SDev	.0014	.024	.0030	.33	.0042	.0116	.0164
%RSD	11.15	1.061	9.695	.4860	2.937	17.67	8.203
#1	.0106	2.223	.0282	67.72	.1444	.0523	.1828
#2	.0133	2.269	.0302	67.67	.1467	.0734	.2006
#3	.0124	2.256	.0341	67.13	.1386	.0711	.2155

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0969	.0576	.0577	.1800	.2788	.0024	.0599
SDev	.0069	.0017	.0061	.0077	.0223	.0001	.0036
%RSD	7.074	2.931	10.64	4.255	7.998	2.402	5.986
#1	.0927	.0582	.0622	.1730	.2736	.0024	.0597
#2	.0932	.0557	.0507	.1788	.2595	.0025	.0635
#3	.1048	.0590	.0602	.1882	.3032	.0025	.0563

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0441	.1658	.0337	.6920	.0066	.0815	.0020
SDev	.0058	.0011	.0079	.1258	.0008	.0096	.0003

%RSD	13.22	.6921	23.43	18.18	12.02	11.78	13.75
#1	.0402	.1665	.0388	.5888	.0057	.0915	.0020
#2	.0508	.1664	.0246	.6552	.0071	.0805	.0017
#3	.0413	.1644	.0377	.8321	.0072	.0724	.0022

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0329	.0069
SDev	.0010	.0009
%RSD	2.900	13.17
#1	-.0340	.0067
#2	-.0324	.0061
#3	-.0324	.0079

Analysis Report Fri 09-01-95 01:11:42 PM page 1

Method: ICP1 Sample Name: 95-007946-H1T @10 K Operator: DRS
Run Time: 09/01/95 13:10:23
Comment: QTR SEG 4B TOP @10X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	1.432	.0188	.0262	.0702	.0001	.3263
SDev	.0011	.012	.0006	.0012	.0003	.0000	.0154
%RSD	164.9	.8695	2.938	4.588	.4296	33.78	4.710
#1	.0012	1.428	.0185	.0256	.0699	.0001	.3388
#2	-.0006	1.446	.0185	.0254	.0705	.0001	.3309
#3	.0014	1.422	.0195	.0276	.0701	.0001	.3091

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.273	.0068	-.0016	.0075	.0610	-.0001	.0004
SDev	.003	.0003	.0078	.0006	.0013	.0011	.0008
%RSD	.2352	5.214	483.9	8.177	2.117	1301.	190.1
#1	1.273	.0072	.0032	.0082	.0598	.0011	.0010
#2	1.276	.0065	-.0106	.0070	.0608	-.0012	-.0005
#3	1.270	.0068	.0026	.0074	.0623	-.0002	.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	3.280	1142.	.0042	.0126	.1721	.0884
SDev	.0004	.017	12.	.0016	.0015	.0108	.0006
%RSD	564.8	.5301	1.052	37.91	11.57	6.281	.6493
#1	.0003	3.271	1134.	.0058	.0124	.1841	.0879
#2	-.0005	3.300	1156.	.0026	.0113	.1632	.0891
#3	-.0000	3.269	1137.	.0042	.0142	.1690	.0884

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	11.95	.0042	18.14	2.177	.1062	-.0711
SDev	.0010	.21	.0061	.08	.022	.0079	.0142
%RSD	32.61	1.750	146.2	.4315	.9915	7.416	19.95
#1	.0038	11.83	.0086	18.10	2.152	.1151	-.0609
#2	.0020	12.19	-.0028	18.23	2.189	.1001	-.0873
#3	.0038	11.82	.0067	18.09	2.191	.1034	-.0651

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0089	.0193	.3524	.0228	3.051	.0142
SDev	.0076	.0039	.0108	.0010	.0288	.023	.0069
%RSD	164.1	43.02	55.91	.2837	126.4	.7503	48.41
#1	.0106	.0045	.0073	.3522	.0515	3.037	.0151
#2	-.0039	.0107	.0282	.3514	-.0061	3.077	.0069
#3	.0071	.0116	.0225	.3534	.0229	3.038	.0205

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1127	.0527	.0049	6.849	.0011	.0303	.0012
SDev	.0129	.0001	.0079	.014	.0007	.0072	.0003

%RSD	11.47	.2495	160.5	.2013	64.87	23.91	28.84
#1	.1164	.0527	.0082	6.855	.0010	.0384	.0016
#2	.0983	.0526	-.0041	6.860	.0004	.0279	.0010
#3	.1234	.0528	.0106	6.834	.0018	.0246	.0010

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0055	.0052
SDev	.0019	.0008
%RSD	34.60	15.18
#1	.0036	.0048
#2	.0075	.0061
#3	.0056	.0047

Analysis Report Fri 09-01-95 01:15:21 PM page

Method: ICP1 Sample Name: 95-007946-H1T @2 KOH Operator: DRS
Run Time: 09/01/95 13:14:01
Comment: QTR SEG 4B TOP @2X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	6.716	.1156	.1377	.3155	.0008	1.563
SDev	.0009	.072	.0091	.0007	.0035	.0001	.015
%RSD	11.18	1.076	7.871	.4959	1.118	6.370	.9498
#1	.0081	6.755	.1052	.1381	.3178	.0007	1.566
#2	.0096	6.632	.1200	.1369	.3115	.0008	1.547
#3	.0078	6.760	.1217	.1381	.3173	.0008	1.577

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.152	.0268	.0637	.0431	.2782	.0159	.0066
SDev	.017	.0013	.0095	.0016	.0036	.0014	.0015
%RSD	.2784	4.757	14.94	3.743	1.295	8.822	22.27
#1	6.163	.0283	.0596	.0434	.2752	.0145	.0062
#2	6.133	.0239	.0746	.0446	.2772	.0173	.0083
#3	6.162	.0263	.0570	.0414	.2822	.0158	.0054

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	15.00	4954.	.0257	.0649	.8196	.4092
SDev	.0004	.10	70.	.0027	.0010	.0037	.0022
%RSD	16.17	.6862	1.410	10.68	1.474	.4467	.5246
#1	.0021	15.06	4999.	.0246	.0645	.8231	.4100
#2	.0029	14.88	4874.	.0288	.0642	.8158	.4068
#3	.0022	15.06	4991.	.0236	.0660	.8199	.4109

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0194	53.73	.0562	82.86	10.41	.5453	-.1700
SDev	.0014	.97	.0090	.40	.09	.0055	.0335
%RSD	6.955	1.808	16.07	.4816	.9056	1.011	19.69
#1	.0191	54.35	.0527	83.08	10.45	.5479	-.1943
#2	.0209	52.61	.0664	82.40	10.30	.5490	-.1318
#3	.0183	54.23	.0494	83.11	10.48	.5390	-.1838

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0788	.0583	.0817	1.724	.3123	13.90	.0815
SDev	.0135	.0105	.0148	.007	.0360	.17	.0062
%RSD	17.14	18.06	18.15	.3800	11.52	1.212	7.614
#1	.0699	.0517	.0725	1.731	.2986	13.97	.0815
#2	.0944	.0704	.0988	1.718	.3531	13.70	.0878
#3	.0722	.0526	.0738	1.721	.2851	14.02	.0753

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5328	.2451	.0534	30.88	.0111	.1103	.0085
SDev	.0048	.0016	.0105	.30	.0015	.0144	.0006

%RSD	.9051	.6374	19.60	.9845	13.93	13.10	7.309
#1	.5380	.2462	.0421	31.12	.0101	.1019	.0080
#2	.5284	.2433	.0628	30.54	.0129	.1270	.0092
#3	.5318	.2459	.0553	30.98	.0103	.1021	.0084

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0376	.0262
SDev	.0019	.0012
%RSD	5.146	4.595
#1	.0386	.0249
#2	.0387	.0273
#3	.0353	.0265

Analysis Report Fri 09-01-95 01:19:30 PM page 1

Method: ICP1 Sample Name: 95-007946-H2T @2 KOH Operator: DRS
Run Time: 09/01/95 13:18:10
Comment: QTR SEG 4B TOP @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	5.430	.1015	.1522	.2317	.0006	1.219
SDev	.0005	.045	.0099	.0015	.0022	.0000	.007
%RSD	7.332	.8272	9.718	.9805	.9295	1.832	.6100
#1	.0066	5.386	.1127	.1510	.2295	.0006	1.214
#2	.0075	5.428	.0944	.1518	.2318	.0006	1.228
#3	.0068	5.476	.0974	.1539	.2338	.0006	1.216

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.478	.0382	.0512	.0401	.2055	.0068	.0066
SDev	.033	.0001	.0028	.0004	.0043	.0008	.0009
%RSD	.7319	.3697	5.524	1.130	2.102	12.44	13.85
#1	4.443	.0381	.0526	.0406	.2094	.0071	.0074
#2	4.483	.0381	.0530	.0397	.2064	.0059	.0069
#3	4.508	.0383	.0479	.0401	.2008	.0075	.0056

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	11.23	4960.	.0235	.0856	.6349	.3335
SDev	.0002	.10	28.	.0004	.0008	.0104	.0027
%RSD	10.63	.8468	.5578	1.902	.8765	1.642	.8144
#1	.0019	11.13	4932.	.0236	.0854	.6231	.3309
#2	.0020	11.25	4960.	.0238	.0850	.6384	.3331
#3	.0016	11.32	4987.	.0230	.0864	.6430	.3363

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0166	60.75	.0474	79.19	14.79	.4125	-.1147
SDev	.0001	.36	.0027	.59	.19	.0073	.0086
%RSD	.7895	.5867	5.641	.7436	1.284	1.757	7.469
#1	.0167	60.38	.0490	78.57	14.58	.4163	-.1051
#2	.0166	60.78	.0489	79.25	14.84	.4170	-.1174
#3	.0164	61.09	.0443	79.74	14.95	.4041	-.1216

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0751	.0522	.0724	1.921	.2679	9.791	.0757
SDev	.0076	.0003	.0049	.016	.0134	.103	.0027
%RSD	10.15	.5377	6.797	.8130	4.993	1.048	3.518
#1	.0829	.0520	.0671	1.905	.2729	9.688	.0777
#2	.0747	.0525	.0734	1.923	.2527	9.791	.0767
#3	.0677	.0520	.0768	1.936	.2780	9.894	.0727

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4113	.2145	.0505	23.47	.0100	.0978	.0068
SDev	.0032	.0018	.0042	.15	.0005	.0068	.0004

%RSD	.7721	.8366	8.282	.6323	5.384	6.964	6.146
#1	.4080	.2125	.0549	23.31	.0105	.1026	.0064
#2	.4143	.2151	.0465	23.51	.0101	.1008	.0067
#3	.4116	.2160	.0502	23.60	.0095	.0900	.0072

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0198	.0203
SDev	.0024	.0002
%RSD	11.85	1.203
#1	.0162	.0205
#2	.0225	.0203
#3	.0187	.0200

Analysis Report Fri 09-01-95 01:24:12 PM page 1

Method: ICP1 Sample Name: 95-007946-H1B @2 KDH Operator: DRS
Run Time: 09/01/95 13:22:52
Comment: QTR SEG 4B BOTTOM @2X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	6.201	.1128	.1310	.3107	.0007	1.505
SDev	.0014	.047	.0068	.0009	.0027	.0000	.019
%RSD	17.65	.7644	6.011	.6980	.8798	4.403	1.239
#1	.0068	6.236	.1066	.1301	.3128	.0006	1.518
#2	.0095	6.147	.1200	.1311	.3076	.0007	1.484
#3	.0076	6.220	.1117	.1319	.3118	.0007	1.513

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.947	.0225	.0682	.0357	.2523	.0106	.0062
SDev	.031	.0008	.0044	.0017	.0009	.0016	.0010
%RSD	.5201	3.511	6.410	4.691	.3605	15.41	15.89
#1	5.968	.0218	.0678	.0345	.2526	.0124	.0052
#2	5.911	.0224	.0727	.0376	.2530	.0103	.0072
#3	5.961	.0234	.0640	.0349	.2512	.0091	.0062

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	14.45	4576.	.0295	.0647	.7196	.3420
SDev	.0003	.10	39.	.0001	.0020	.0056	.0026
%RSD	13.13	.6610	.8420	.3804	3.081	.7716	.7503
#1	.0023	14.52	4599.	.0294	.0628	.7132	.3434
#2	.0029	14.34	4531.	.0296	.0668	.7221	.3391
#3	.0025	14.49	4597.	.0295	.0646	.7235	.3436

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0167	54.36	.0543	66.84	11.52	.5048	-.1568
SDev	.0011	.47	.0061	.44	.07	.0022	.0133
%RSD	6.842	.8656	11.24	.6611	.5906	.4317	8.504
#1	.0168	54.66	.0490	67.17	11.59	.5033	-.1684
#2	.0178	53.82	.0610	66.34	11.45	.5073	-.1422
#3	.0155	54.60	.0529	67.02	11.52	.5038	-.1598

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0777	.0508	.0760	1.602	.2808	14.12	.0742
SDev	.0059	.0004	.0031	.011	.0125	.13	.0035
%RSD	7.599	.8897	4.031	.6974	4.445	.9417	4.710
#1	.0749	.0503	.0761	1.610	.2673	14.20	.0718
#2	.0845	.0509	.0791	1.589	.2918	13.96	.0782
#3	.0738	.0512	.0729	1.607	.2833	14.19	.0726

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5064	.1349	.0517	29.25	.0102	.0929	.0083
SDev	.0021	.0006	.0067	.23	.0010	.0088	.0001

%RSD	.4137	.4652	12.92	.7807	9.694	9.480	1.323
#1	.5057	.1353	.0448	29.41	.0095	.0855	.0082
#2	.5048	.1342	.0582	28.99	.0113	.0904	.0084
#3	.5088	.1352	.0522	29.35	.0096	.1026	.0083

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0326	.0215
SDev	.0014	.0015
%RSD	4.372	6.974
#1	.0339	.0227
#2	.0311	.0220
#3	.0328	.0198

Analysis Report Fri 09-01-95 01:28:02 PM page 1

Method: ICP1 Sample Name: 95-007946-H2B @2 KOH Operator: DRS
Run Time: 09/01/95 13:26:43
Comment: QTR SEG 4B BOTTOM @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	5.548	.0891	.1522	.2658	.0006	1.317
SDev	.0006	.039	.0004	.0017	.0018	.0000	.007
%RSD	9.299	.6988	.5005	1.116	.6625	6.183	.4957
#1	.0070	5.503	.0894	.1502	.2638	.0006	1.319
#2	.0058	5.566	.0894	.1531	.2667	.0005	1.310
#3	.0062	5.574	.0886	.1533	.2669	.0006	1.323

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.421	.0149	.0537	.0319	.2199	-.0087	.0043
SDev	.022	.0006	.0058	.0009	.0015	.0009	.0007
%RSD	.3996	4.345	10.86	2.872	.6779	10.18	15.24
#1	5.398	.0149	.0604	.0329	.2216	-.0082	.0051
#2	5.424	.0156	.0513	.0310	.2193	-.0097	.0039
#3	5.441	.0143	.0495	.0317	.2188	-.0082	.0040

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	13.05	4807.	.0203	.0304	.6477	.3038
SDev	.0003	.07	36.	.0010	.0015	.0092	.0012
%RSD	15.47	.5505	.7433	5.016	4.805	1.422	.4095
#1	.0021	12.97	4766.	.0214	.0321	.6540	.3026
#2	.0016	13.09	4833.	.0194	.0296	.6371	.3039
#3	.0019	13.10	4822.	.0201	.0296	.6520	.3050

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0145	49.99	.0409	50.15	11.03	.4581	-.1555
SDev	.0015	.37	.0054	.22	.10	.0033	.0108
%RSD	10.35	.7432	13.21	.4364	.9233	.7134	6.913
#1	.0144	49.57	.0468	49.90	10.92	.4613	-.1535
#2	.0160	50.28	.0361	50.23	11.04	.4584	-.1671
#3	.0130	50.11	.0399	50.32	11.13	.4547	-.1459

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0527	.0449	.0656	1.395	.2189	12.01	.0729
SDev	.0024	.0056	.0046	.010	.0256	.10	.0080
%RSD	4.475	12.41	7.018	.7452	11.72	.8256	10.95
#1	.0553	.0472	.0604	1.383	.2468	11.90	.0781
#2	.0520	.0385	.0671	1.402	.2136	12.06	.0637
#3	.0507	.0489	.0692	1.400	.1963	12.08	.0769

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4328	.1558	.0446	25.60	.0087	.0717	.0068
SDev	.0092	.0008	.0058	.11	.0009	.0009	.0001

%RSD	2.137	.4839	13.09	.4186	10.01	1.252	.6687
#1	.4423	.1550	.0501	25.49	.0097	.0723	.0068
#2	.4238	.1560	.0385	25.69	.0080	.0721	.0068
#3	.4323	.1565	.0452	25.63	.0085	.0707	.0068

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0491	.0204
SDev	.0033	.0006
%RSD	6.740	2.989
#1	.0464	.0197
#2	.0482	.0208
#3	.0528	.0206

Analysis Report

Fri 09-01-95 01:32:01 PM page 1

Method: ICP1 Sample Name: U @50 PPM Operator: DRS
Run Time: 09/01/95 13:30:41
Comment: 950830I106 @10X DIL HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-.0723	.0165	-.0093	.0002	.0004	-.0168
SDev	.0011	.0040	.0091	.0008	.0001	.0000	.0068
%RSD	93.66	5.527	54.77	8.892	87.60	5.120	40.65
#1	.0001	-.0762	.0075	-.0086	.0001	.0004	-.0169
#2	.0011	-.0682	.0165	-.0102	.0001	.0005	-.0099
#3	.0024	-.0727	.0256	-.0091	.0003	.0005	-.0235

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0412	.0001	.0173	.0035	-.0006	-.0264	-.0063
SDev	.0010	.0016	.0031	.0006	.0027	.0016	.0004
%RSD	2.491	1234.	17.97	18.53	472.8	5.926	6.034
#1	.0400	-.0002	.0138	.0028	-.0032	-.0282	-.0067
#2	.0415	.0019	.0198	.0034	-.0006	-.0259	-.0064
#3	.0420	-.0013	.0182	.0041	.0021	-.0252	-.0059

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0056	-.0000	.0069	.0053	.3304	.0007
SDev	.0003	.0007	.1221	.0014	.0011	.0073	.0001
%RSD	31.31	12.42	7647000.	19.91	20.62	2.223	23.39
#1	-.0011	.0052	-.1319	.0062	.0042	.3253	.0006
#2	-.0008	.0053	.0229	.0061	.0063	.3271	.0005
#3	-.0006	.0065	.1090	.0085	.0053	.3388	.0008

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0146	-.0145	.0099	.0480	.1861	-.4727
SDev	.0019	.0152	.0025	.0025	.0127	.0026	.0174
%RSD	184.5	104.0	17.56	24.81	26.55	1.375	3.672
#1	-.0031	.0184	-.0170	.0086	.0334	.1875	-.4927
#2	-.0004	-.0021	-.0119	.0084	.0564	.1831	-.4613
#3	.0005	.0275	-.0145	.0128	.0543	.1876	-.4641

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0464	-.0125	.0048	.0025	.0746	.0010	-.0052
SDev	.0050	.0017	.0140	.0069	.0426	.0001	.0020
%RSD	10.87	13.73	291.5	283.0	57.12	7.724	38.89
#1	-.0514	-.0122	-.0112	-.0055	.0261	.0009	-.0070
#2	-.0466	-.0144	.0143	.0068	.1062	.0011	-.0056
#3	-.0413	-.0110	.0113	.0061	.0913	.0010	-.0030

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7212	.0011	-.0029	49.33	.0016	.0006	.0037
SDev	.0011	.0002	.0190	.26	.0002	.0037	.0009

%RSD	.1561	15.86	664.0	.5319	11.58	662.7	23.02
#1	.7221	.0010	-.0240	49.63	.0014	.0044	.0027
#2	.7215	.0011	.0126	49.22	.0015	-.0029	.0042
#3	.7199	.0013	.0028	49.14	.0018	.0001	.0042

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0001	-.0509
SDev	.0005	.0004
%RSD	519.2	.7083
#1	-.0006	-.0512
#2	.0004	-.0509
#3	-.0001	-.0505

Analysis Report QC Standard Fri 09-01-95 01:36:06 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/01/95 13:34:47
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS DRD 9/1/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4805	25.05	2.621	1.993	.5045	.0925	24.11
SDev	.0020	.22	.011	.011	.0048	.0007	.24
%RSD	.4074	.8977	.4222	.5643	.9581	.7728	1.001
#1	.4825	25.28	2.631	2.004	.5091	.0933	24.35
#2	.4803	25.04	2.624	1.992	.5048	.0925	24.13
#3	.4786	24.83	2.609	1.982	.4995	.0918	23.86
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	25.20	.4972	-.0322	1.040	1.024	1.007	.0017
SDev	.14	.0033	.0039	.004	.007	.010	.0006
%RSD	.5493	.6711	12.17	.4136	.6731	.9892	32.31
#1	25.33	.5005	-.0366	1.044	1.030	1.017	.0014
#2	25.22	.4972	-.0309	1.041	1.025	1.006	.0014
#3	25.05	.4938	-.0291	1.035	1.016	.9966	.0024
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	20.53	25.05	.0093	1.928	26.51	.5163
SDev	.0001	.14	.20	.0022	.022	.19	.0031
%RSD	6.618	.6578	.8049	23.50	1.152	.7212	.6041
#1	.0021	20.65	25.28	.0069	1.951	26.70	.5193
#2	.0024	20.54	24.90	.0100	1.927	26.50	.5167
#3	.0024	20.38	24.97	.0111	1.906	26.32	.5131
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	24.55	.0144	1.073	.0874	2.630	-.0106
SDev	.004	.28	.0070	.010	.0192	.005	.0173
%RSD	.3994	1.132	48.26	.9437	22.03	.2036	163.1
#1	1.041	24.85	.0070	1.082	.0825	2.632	-.0290
#2	1.035	24.47	.0155	1.076	.1086	2.635	-.0082
#3	1.033	24.32	.0208	1.062	.0710	2.624	.0054
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 Fri 09-01-95 01:36:06 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	.0057	2.565	2.490	18.90	-.0776	.5400	-.0060
SDev	.0093	.021	.020	.12	.0069	.0054	.0076
%RSD	163.0	.8072	.8094	.6187	8.863	.9972	126.6
#1	-.0029	2.579	2.512	19.02	-.0832	.5448	-.0145
#2	.0045	2.574	2.486	18.90	-.0797	.5409	-.0038
#3	.0156	2.541	2.472	18.79	-.0699	.5342	.0002
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	.0515	1.002	2.478	.1828	.9981	.0347	.0004
SDev	.0049	.007	.014	.0858	.0069	.0060	.0004
%RSD	9.472	.6512	.5657	46.95	.6897	17.15	106.9
#1	.0508	1.008	2.462	.0840	1.004	.0415	.0001
#2	.0470	1.002	2.488	.2252	.9997	.0321	.0003
#3	.0567	.9952	2.483	.2392	.9906	.0305	.0009
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	1.050	2.070
SDev	.007	.017
%RSD	.6349	.8093
#1	1.057	2.086
#2	1.046	2.072
#3	1.046	2.052
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Fri 09-01-95 01:40:39 PM page 1

Method: ICP1 Sample Name: MCVB 950830H901 Operator: DRS
Run Time: 09/01/95 13:39:19
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

PASS (+) Rhtw N/A to G... AM 9/1/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0036	-.1600	.0013	-.0019	-.0003	.0002	-.0022
SDev	.0009	.0067	.0021	.0013	.0002	.0000	.0035
%RSD	25.96	4.179	165.4	69.45	82.04	1.507	163.1
#1	-.0026	-.1535	-.0012	-.0007	-.0001	.0002	-.0006
#2	-.0043	-.1597	.0024	-.0033	-.0005	.0002	.0003
#3	-.0040	-.1669	.0025	-.0016	-.0003	.0002	-.0062
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	.0542	.0014	2.051	.0007	.0013	-.0152	2.066
SDev	.0024	.0017	.011	.0006	.0021	.0015	.022
%RSD	4.478	119.6	.5310	82.33	166.7	9.646	1.042
#1	.0570	.0032	2.038	.0013	-.0002	-.0137	2.043
#2	.0526	-.0001	2.058	.0007	.0037	-.0167	2.086
#3	.0530	.0010	2.056	.0001	.0003	-.0153	2.069
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.064	.0126	-.9922	2.075	.0005	.1035	-.0000
SDev	.020	.0010	.2384	.014	.0006	.0090	.0002
%RSD	.9518	8.241	24.03	.6755	115.0	8.698	446.7
#1	2.043	.0136	-.7169	2.059	.0006	.1124	.0001
#2	2.082	.0115	-1.130	2.086	-.0001	.1036	-.0002
#3	2.066	.0126	-1.130	2.080	.0010	.0944	-.0000
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	.0361	2.015	.0055	-.0002	.0264	2.151
SDev	.0005	.0153	.014	.0020	.0174	.0063	.019
%RSD	55.86	42.40	.6983	36.06	9945.	23.94	.8725
#1	-.0004	.0531	2.000	.0078	.0196	.0331	2.145
#2	-.0007	.0234	2.028	.0042	-.0131	.0257	2.172
#3	-.0013	.0319	2.017	.0046	-.0071	.0205	2.136
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	0.1350	.0047	.0015	-.0307	1.993	.0007	1.837
SDev	.0095	.0012	.0106	.0048	.021	.0001	.009
%RSD	7.041	25.15	700.9	15.69	1.043	9.247	.4732
#1	0.1459	.0035	.0137	-.0255	2.005	.0008	1.829
#2	0.1294	.0059	-.0055	-.0350	2.006	.0007	1.846
#3	0.1295	.0048	-.0037	-.0315	1.969	.0007	1.835
Errors	QC Fail	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	5.259	.0002	-.0163	08.246	-.0029	1.902	1.017
SDev	.031	.0007	.0081	.034	.0013	.022	.010
%RSD	.5814	309.4	49.75	.4092	43.59	1.142	.9560
#1	5.223	.0010	-.0123	08.285	-.0014	1.877	1.007
#2	5.276	-.0002	-.0110	08.227	-.0035	1.913	1.026
#3	5.277	-.0002	-.0257	08.227	-.0037	1.916	1.019
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Pass	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	-.0191
SDev	.0003	.0010
%RSD	17.89	5.166
#1	.0017	-.0190
#2	.0023	-.0181
#3	.0017	-.0201
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Fri 09-01-95 01:44:22 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/01/95 13:43:03
Comment: (CORE HOMOGENIZATION CHECK RUN)
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0024	0.0983	0.0780	0.1125	.0496	.0219	.0134
SDev	.0004	.0013	.0058	.0014	.0003	.0001	.0048
%RSD	17.30	1.282	7.473	1.234	.5080	.5097	35.77
#1	Q-.0028	0.0969	.0817	0.1134	.0498	.0220	.0088
#2	Q-.0024	0.0994	.0810	0.1132	.0495	.0218	.0184
#3	Q-.0020	0.0985	0.0713	0.1109	.0494	.0218	.0131
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.93	.0113	-.0271	0.0210	0.0198	0.0170	-.0033
SDev	.11	.0018	.0028	.0010	.0018	.0009	.0002
%RSD	.3094	15.67	10.18	4.627	8.860	5.266	6.074
#1	36.06	0.0094	-.0297	0.0207	0.0217	0.0164	-.0036
#2	35.84	.0130	-.0272	0.0202	0.0196	0.0166	-.0032
#3	35.90	.0116	-.0242	0.0221	0.0182	0.0181	-.0032
Errors	QC Pass	QC Pass	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	36.80	.0122		.0235	.0190	.0223	
Range	3.800	8.200		3.400	3.200	12.60	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	0.1199	0.9864	.0030	0.0120	Q10.05	.0353
SDev	.0001	.0008	.1694	.0013	.0009	.04	.0003
%RSD	93.21	.6712	17.18	43.85	7.498	.3998	.7123
#1	-.0002	0.1207	0.7972	.0022	0.0121	Q10.09	.0352
#2	-.0001	0.1200	Q1.124	.0045	0.0111	Q10.01	.0352
#3	-.0000	0.1191	Q1.038	.0023	0.0129	Q10.04	.0356
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	.1047	12.32	-.0116	.0607	.0237	0.0054	-.0821
SDev	.0006	.13	.0023	.0025	.0072	.0028	.0092
%RSD	.5331	1.030	20.11	4.061	30.27	51.78	11.23
#1	.1044	12.19	-.0140	.0626	.0320	0.0062	-.0872
#2	.1054	12.45	-.0116	.0579	.0189	0.0023	-.0715
#3	.1044	12.31	-.0093	.0616	.0203	0.0076	-.0877
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0309	-.0062	.0128	.0117	-.1252	0.2827	-.0088
SDev	.0025	.0063	.0063	.0033	.0170	.0014	.0075
%RSD	7.952	102.6	48.82	28.03	13.54	.5108	84.55
#1	-.0318	-.0130	0.0101	.0079	-.1446	0.2843	-.0174
#2	-.0281	-.0004	0.0084	.0132	-.1179	0.2815	-.0057
#3	-.0327	-.0052	0.0200	.0140	-.1132	0.2825	-.0035
Errors	NOCHECK	NOCHECK	QC Pass	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	-.0069	.0067	0.0011	-.1365	0.0261	.0139	-.0030
SDev	.0052	.0002	.0008	.0596	.0002	.0042	.0005
%RSD	75.74	3.296	75.18	43.64	.7511	30.08	15.44
#1	-.0098	.0065	0.0020	-.1785	0.0264	.0187	-.0034
#2	-.0101	.0069	0.0006	-.0683	0.0261	.0107	-.0025
#3	-.0009	.0067	0.0006	-.1627	0.0260	.0124	-.0031
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	0.0898	-.0022
SDev	.0012	.0004
%RSD	1.341	18.22
#1	0.0891	-.0023
#2	0.0892	-.0018
#3	0.0912	-.0025
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Fri 09-01-95 01:48:24 PM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/01/95 13:47:05
Comment: QTR SEG 4B BOTTON @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	1.954	2.067	1.993	1.018	.9615	1.901
SDev	.0007	.009	.013	.015	.006	.0050	.004
%RSD	28.01	.4651	.6181	.7744	.6132	.5216	.1962
#1	-.0030	1.959	2.057	2.005	1.021	.9633	1.898
#2	-.0028	1.960	2.081	1.997	1.023	.9654	1.900
#3	-.0017	1.944	2.062	1.975	1.011	.9559	1.905

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.959	.9863	-.0188	1.053	.5193	2.059	-.0019
SDev	.006	.0079	.0035	.005	.0027	.009	.0004
%RSD	.3122	.8006	18.64	.5070	.5215	.4405	18.94
#1	1.961	.9943	-.0192	1.053	.5223	2.063	-.0021
#2	1.963	.9860	-.0221	1.058	.5165	2.064	-.0021
#3	1.952	.9785	-.0151	1.047	.5171	2.048	-.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	2.046	4.221	-.0025	2.087	2.106	1.035
SDev	.0001	.009	.091	.0009	.019	.013	.005
%RSD	15.07	.4291	2.157	37.94	.9184	.6406	.5166
#1	-.0005	2.051	4.197	-.0026	2.104	2.115	1.034
#2	-.0006	2.051	4.152	-.0033	2.092	2.113	1.041
#3	-.0004	2.036	4.324	-.0015	2.066	2.090	1.030

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.026	8.536	-.0111	2.125	4.856	2.062	-.0556
SDev	.010	.073	.0047	.014	.013	.004	.0141
%RSD	.4804	.8604	42.30	.6813	.2647	.1942	25.41
#1	2.030	8.570	-.0122	2.130	4.865	2.058	-.0495
#2	2.033	8.587	-.0152	2.136	4.861	2.065	-.0718
#3	2.015	8.452	-.0060	2.108	4.841	2.064	-.0455

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0156	-.0137	1.957	4.963	-.0623	2.175	-.0305
SDev	.0040	.0071	.009	.023	.0102	.014	.0026
%RSD	25.88	52.15	.4472	.4584	16.42	.6225	8.622
#1	-.0163	-.0217	1.958	4.982	-.0526	2.180	-.0298
#2	-.0191	-.0081	1.964	4.970	-.0614	2.186	-.0334
#3	-.0112	-.0112	1.947	4.938	-.0730	2.160	-.0283

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	-.0008	1.910	-.1806	.9776	.0039	-.0006
SDev	.0063	.0005	.015	.0405	.0035	.0040	.0002

%RSD	153.9	55.48	.8071	22.41	.3598	104.6	32.17
#1	.0022	-.0012	1.910	-.1974	.9791	-.0007	-.0007
#2	.0110	-.0010	1.926	-.2101	.9802	.0055	-.0004
#3	-.0010	-.0003	1.895	-.1345	.9736	.0068	-.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.064	-.0021
SDev	.009	.0008
%RSD	.8688	37.63
#1	1.070	-.0021
#2	1.069	-.0029
#3	1.053	-.0013

Analysis Report Fri 09-01-95 01:51:55 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/01/95 13:50:36
Comment: QTR SEG 4B BOTTON @2X DIL DUPLICATE HOMOGENIZATION CHECK
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	-.0042	.0021	-.0031	-.0006	.0001	-.0036
SDev	.0004	.0039	.0013	.0015	.0001	.0000	.0017
%RSD	25.48	93.56	62.16	48.33	11.59	53.09	45.81
#1	-.0016	-.0082	.0034	-.0049	-.0006	.0001	-.0037
#2	-.0010	-.0038	.0008	-.0025	-.0006	.0000	-.0019
#3	-.0018	-.0005	.0021	-.0020	-.0005	.0000	-.0052

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0078	.0008	-.0135	-.0012	-.0014	-.0022	-.0004
SDev	.0005	.0017	.0015	.0009	.0012	.0008	.0005
%RSD	5.887	216.8	11.00	75.15	89.79	37.30	131.1
#1	-.0082	-.0011	-.0142	-.0016	-.0000	-.0022	-.0004
#2	-.0079	.0020	-.0145	-.0017	-.0016	-.0031	-.0009
#3	-.0073	.0014	-.0118	-.0002	-.0024	-.0014	.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0009	-1.061	-.0012	.0001	-.0033	-.0001
SDev	.0001	.0007	.030	.0009	.0006	.0032	.0001
%RSD	18.28	77.42	2.809	73.76	445.5	96.01	62.96
#1	-.0005	-.0011	-1.078	-.0015	.0006	-.0050	-.0002
#2	-.0006	-.0014	-1.078	-.0018	-.0005	.0004	-.0000
#3	-.0004	-.0001	-1.027	-.0002	.0002	-.0054	-.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0208	-.0088	.0016	-.0015	-.0172	-.0358
SDev	.0007	.0042	.0036	.0040	.0057	.0046	.0025
%RSD	90.49	20.35	40.76	244.3	384.1	27.03	7.002
#1	-.0002	-.0166	-.0125	.0019	.0048	-.0172	-.0385
#2	-.0005	-.0208	-.0084	-.0025	-.0030	-.0125	-.0336
#3	-.0016	-.0250	-.0054	.0055	-.0063	-.0218	-.0353

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0150	-.0032	.0067	-.0321	-.0567	.0007	-.0025
SDev	.0044	.0104	.0053	.0034	.0171	.0001	.0037
%RSD	29.58	323.4	78.91	10.49	30.10	9.975	146.4
#1	-.0198	-.0134	.0006	-.0348	-.0666	.0006	-.0034
#2	-.0142	-.0036	.0090	-.0332	-.0666	.0007	-.0057
#3	-.0110	.0074	.0104	-.0283	-.0370	.0006	.0015

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0009	-.0070	-.1653	-.0012	.0067	-.0007
SDev	.0042	.0001	.0066	.0050	.0002	.0045	.0002

%RSD	2807.	14.46	93.90	3.034	15.40	67.16	24.12
#1	.0046	-.0010	-.0142	-.1699	-.0010	.0094	-.0009
#2	-.0037	-.0009	-.0057	-.1659	-.0014	.0015	-.0006
#3	-.0005	-.0007	-.0012	-.1600	-.0011	.0092	-.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0005	-.0008
SDev	.0003	.0006
%RSD	50.81	80.06
#1	-.0006	-.0015
#2	-.0002	-.0005
#3	-.0007	-.0003

THIS PAGE INTENTIONALLY
LEFT BLANK.

MHC-CD-V/M-DR-145, REV. 1

C3 - IC ANALYSIS

3-1351

THIS PAGE INTENTIONALLY
LEFT BLANK.

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

DATE TO QC: 09/29/95

DATA QUALITY REVIEW

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

Analyte - ION CHROMOTOGRAPHY

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers -

95-07932-C1	95-07932-C2	95-07932-C4
95-07932-C5	95-07941-C1	95-07941-C2
95-07941-C4	95-07943-C1	95-07943-C2
95-07944-C1	95-07944-C2	95-07945-C1
95-07945-C2	95-07946-C1	95-07946-C2
95-07948-C1	95-07948-C2	95-07935-C1
95-07935-C2	95-07942-C1	95-07942-C2
95-07947-C2		

PNL ACL Quality Representative

9/28/95
Date

3-1352

Ion Chromatography

The samples in this group, derived from Tank BY-108, Core 99, were extracted using procedure PNL-ALO-110 and were analyzed for fluoride, chloride, nitrite, nitrate, phosphate, and sulfate (commonly referred to as anions) using PNL-ALO-212, a procedure adapted from EPA Method 300.0. The sample preparation and analysis were performed in the 325 building in the 300 area by staff members of the Analytical Chemistry Laboratory - Inorganic Analysis Group (ACL-I) at Battelle-PNL.

Two drainable liquids, 95-07932/Segment 2 and 95-07935/Segment 3, and eight solid samples derived from the four quarter segments have been analyzed. The quarter segment samples are 95-07941/QS1, 95-07942/QS2A, 95-07943/QS2D, 95-07944/QS3A, 95-07945/QS4A, 95-07946/QS4B, 95-07947/QS4C, and 95-07948/QS4D.

Accuracy and Precision in IC results

The IC anions analysis system was calibrated with six calibration standards ranging from 0.5 - 7.5 ppm for the halides (F, Cl) and from 0.5 - 30 ppm for the oxy-anions (NO_2, NO_3, PO_4, SO_4). The accuracy of the calibration was checked by analyzing three independently derived verification standards at approximately 17%, 50%, and 75% of the calibration range maximum.

The accuracy of reported values between 20-80% of the calibration maximum has been estimated to be ±10%, unless otherwise noted in the Discussion section of this report. This level of accuracy may be considered achievable throughout the calibration range unless otherwise stated in this narrative. The accuracy decreases and errors increase for lower analyte levels and may be 100% at the method detection limit, which is defined as the analyte level in the lowest calibration standard.

Quality Control

The current TWRS criterion for acceptance of data, that the spiked blank values for the anions of interest are quantitated within ±10%, has been satisfied except for chloride (95-07932-C5: 120%) and nitrite (95-07932-C5: 88% and 95-07941-C5: 86%). Further details are to be found in the Discussion section.

The current TWRS criterion for acceptance of data, that the spiked sample values for the anions of interest are quantitated within ±10%, has not been satisfied except for sulfate (95-07932-C4). Further details are included in the Discussion section.

The current TWRS criterion for acceptance of data, that the RPD values for the anions of interest should be within ±10%, has not been satisfied for all of the seven anions. In some cases, the RPD values exceed the ACL limit of 20%. This subject is included in the Discussion section.

The continuing calibration verifications (CCV) for NO_2, SO_4 indicate a bias of about 10% and a bias of 12-13% for PO_4. This issue is discussed in greater detail in the Discussion section.

Discussion of the data

1. Bias in quantitation

   The chromatographic columns used in this work (Dionex AG4A/AS4A) have demonstrated erratic behavior in quantitation during the analysis of these BY-108 samples. The cause of the problem has not been determined, primarily due to the occasional manifestation of out-of-control responses.

   However, multiple analyses over a period of weeks have led us to believe that the performance of this system has degraded from the nominal acceptance window of ±10% to a level no greater than ±15%. This phenomenon, which may potentially be caused by insoluble sample matrix components which were deposited on the column, is currently under investigation and is expected to be resolved in the near future.

   The bias observed in the quantitation of nitrite, phosphate, and sulfate is also attributed to this condition of the column. An analytical strategy to clean the column and to prevent the recurrence of this behavior is currently being discussed with Dionex.

2. Fluoride

   The presence of organic anions has complicated the quantitation of fluoride and all results should be considered to be overestimated. This problem can be resolved by using a gradient elution method which will separate organic species such as formate and acetate from fluoride.

   Most BY-108 samples do not contain detectable levels of free fluoride and spike recovery calculations, especially following rounding, are to be evaluated in the light of this information. Sample detection limits approach the spike level used in both spiked samples.

   The sample which shows the greatest variation of fluoride, 95-07945, is derived from the heel of the tank - a region expected to be heterogeneous. All other samples show RPD values within 20%.

3. Chloride

   Free chloride levels are low in the tank (<0.1%) and the measurement of spike recoveries is likely be affected when quantitating at these low levels. RPD values and spike recoveries are within 20% for this analyte and there is no special hypothesis which need to be considered to explain this data.

4. Nitrite

RPD values and spike recoveries are within 20% for this analyte and there is no special hypothesis which need to be considered to explain this data.

5. Nitrate

Two samples, 95-07944 and 07945, show significant RPD values for this analyte. Reanalysis of the extracts, on two separate days, confirms the quantitation within 10%. The variation is considered to be real and is attributed to sample heterogeneity.

All other RPD values fall within the 20% window and spike recoveries associated with sample and the blank are 11% or lower. System performance is considered to be acceptable for this analyte.

6. Phosphate

Phosphate levels show the greatest variation in 95-07944, 95-07945 and 95-07946 but these values are supported by the ICP results. As with the low spike recovery for 95-07932 (76%), these observations are attributed to sample heterogeneity and not due to failures of the instrumentation.

7. Sulfate

The two samples which high variations are 95-07945 and 95-07948 - both derived from QS4, which is derived from the heel of the tank. Since insoluble sulfates are expected in this tank, the possibility of sample heterogeneity is considered a reasonable explanation for the data. Reanalysis of sample replicates yields values within 15% of reported values. Sample spike recoveries are quite acceptable at 93 and 87% and the spiked blanks are also recovered at acceptable levels (95%, 97%).

8. Criteria for selection of ±10% window (RPD and spike recoveries)

The ±10% window selected as the acceptance criterion for this work has been apparently been chosen without any serious consideration of the statistical basis of variation in analyzing tank wastes. However, if this arbitrary value is to be considered a realistic criterion for future work, tank samples need to be homogenized and sub-sampled in a statistically controlled manner to avoid contributions to analytical variance due to sampling errors.

Replicate (20-30) analysis, by each analytical technique to be used at Hanford, will also be needed to establish matrix dependent statistical parameters such as variance (standard deviation) and confidence intervals. Without this level of attention, the arbitrary selection of a ±10% range as a data acceptance criterion is without technical merit.

Data presentation (see data summary sheet)

The reported data is presented, by analyte, in six tables. This format has been used to allow flexibility in handling sample sets of different sizes. Each line in a page contains the QC information associated with a particular sample.

The labels "1", "2", "3", "4", and "5" have been used to identify the sample, duplicate, spiked sample, spiked blank and blank, respectively.

A density of 1.00 g/mL is assumed for all diluents and solutions used in these analyses. A nominal 1.00 g sample wight has been assumed for calculations involving the spiked blank. Complete dissolution of the sample, nominally assigned a density of 1.00 g/ml, has also been assumed.

Sample dilutions have been made so as to match the diluent with the eluant as closely as possible for these analyses. The reported results have been rounded by an order of magnitude reflecting the dilution of samples prior to analysis. " < " values reflect analyte levels lower than the calculated detection limit.

The following terms and equations may be used to compute the rounding operations carried out in the summary data sheets.

SDF: Sample Dilution Factor
EDF: Extraction Dilution factor
ADF: Analytical Dilution factor
SDL: Sample Detection Limit (μg/g)
MDL: Method Detection Limit (μg/mL)
RF(x): Rounding factor for "x": ($10^{RF(x)} < SDL < 10^{RF(x)+1}$)
"x": Numeric Label used to identify sample, duplicate, etc.
RF(sp): Rounding factor for added spike

EQUATIONS USED

SDF(x) = EDF(x) * ADF(x); "x" = 1, 2, 3, 4, 5

SDL(x) = MDL * SDF(x)

RF(x) = INT (LOG(SDL(x))); integer component of LOG(SDL(x))

2 < SDL(1)/RF(1) < 6; sample detection limits can range from two to six times the rounding factor

RF(1) = RF(2) = RF(3); sample, duplicate and sample spike have the same rounding factor

RF(sp) = RF(4); spike added and the blank spike have the same rounding factor

**** ION CHROMATOGRAPHY REPORT ****

FLUORIDE

SAMPLE VALUES ARE IN ug/g

TANK BY-108, CORE 99

SAMPLE ID	SMPL 1	DUP 2	RPD	BLANK 3	<--- SAMPLE SPIKE ---> 4	EXPECT	% REC	SPIKE CONTROL 5	% REC
95-07932-C	< 300	< 300		< 5	300	400	75%	500	100%
95-07935-C	< 400	< 400							
95-07941-C	6600	5400	20%	< 10	8000	500	***	500	100%
95-07942-C	< 500	< 500							
95-07943-C	3900	3800	3%						
95-07944-C	5600	4800	15%						
95-07945-C	8300	5200	46%						
95-07946-C	< 600	< 500							
95-07947-C	< 600	< 500							
95-07948-C	< 500	< 400							
								TRUE= 500 ug/mL	

NOTES:

1. THIS DATA SUMMARY SHEET INFORMATION IS NOT COMPLETE WITHOUT THE RUN NARRATIVE.
2. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank; 4 = Sample spike ; 5 = Blank.
3. Calculate sample values: analyte in sample extract x (sample wt. + diluent wt.)/ sample wt.
4. Calculate spike recovery: ("4" - "1")/"EXPECT" or, "4"/"EXPECT" if "1" < sample det. lim. ; "***" indicates "1"/"EXPE
5. Calculate spike control recovery: (spike control) / true value for analyte in stock spike.
6. 95-07932 & 95-07935(density ~1.43 g/mL); multiply ug/g analyte values by 1.43 to generate ug/mL values.
7. Divide C3 values by 0.3 or 0.5 to estimate contribution of sample blank to analyte levels in 95-07932 and 95-07941, re

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

**** ION CHROMATOGRAPHY REPORT ****

CHLORIDE

SAMPLE VALUES ARE IN ug/g

TANK BY-108, CORE 99

SAMPLE ID	SMPL 1	DUP 2	RPD	BLANK 3	<--- SAMPLE SPIKE ---> 4	EXPECT	% REC	SPIKE CONTROL 5	% REC
95-07932-C	2300	2300	0%	< 5	2600	400	***	500	100%
95-07935-C	2400	2400	0%						
95-07941-C	700	700	0%	40	1100	500	80%	600	120%
95-07942-C	800	800	0%						
95-07943-C	1200	1100	9%						
95-07944-C	1200	1100	9%						
95-07945-C	1400	1200	15%						
95-07946-C	1600	1400	13%						
95-07947-C	1400	1300	7%						
95-07948-C	1300	1100	17%						
								TRUE= 500 ug/mL	

NOTES:

1. THIS DATA SUMMARY SHEET INFORMATION IS NOT COMPLETE WITHOUT THE RUN NARRATIVE.
2. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank; 4 = Sample spike ; 5 = Blank.
3. Calculate sample values: analyte in sample extract x (sample wt. + diluent wt.)/ sample wt.
4. Calculate spike recovery: ("4" - "1")/"EXPECT" or, "4"/"EXPECT" if "1" < sample det. lim. ; "***" indicates "1"/"EXPE
5. Calculate spike control recovery: (spike control) / true value for analyte in stock spike.
6. 95-07932 & 95-07935(density ~1.43 g/mL); multiply ug/g analyte values by 1.43 to generate ug/mL values.
7. Divide C3 values by 0.3 or 0.5 to estimate contribution of sample blank to analyte levels in 95-07932 and 95-07941, re

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

**** ION CHROMATOGRAPHY REPORT ****

NITRITE

SAMPLE VALUES ARE IN ug/g

TANK BY-108, CORE 99

SAMPLE ID	SMPL 1	DUP 2	RPD	BLANK 3	<--- SAMPLE SPIKE ---> 4	EXPECT	% REC	SPIKE CONTROL 5	% REC
95-07932-C	39900	39400	1%	< 10	42700	3500	***	4400	88%
95-07935-C	42300	42700	1%						
95-07941-C	8000	8200	2%	< 30	12400	5200	85%	4300	86%
95-07942-C	12400	11300	9%						
95-07943-C	20800	19300	7%						
95-07944-C	20300	17700	14%						
95-07945-C	35000	31000	12%						
95-07946-C	48000	44000	9%						
95-07947-C	42000	43000	2%						
95-07948-C	40000	34000	16%						
								TRUE= 5000 ug/mL	

NOTES:

1. THIS DATA SUMMARY SHEET INFORMATION IS NOT COMPLETE WITHOUT THE RUN NARRATIVE.
2. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank; 4 = Sample spike ; 5 = Blank.
3. Calculate sample values: analyte in sample extract x (sample wt. + diluent wt.)/ sample wt.
4. Calculate spike recovery: ("4" - "1")/"EXPECT" or, "4"/"EXPECT" if "1" < sample det. lim. ; "****" indicates "1"/"EXPE
5. Calculate spike control recovery: (spike control) / true value for analyte in stock spike.
6. 95-07932 & 95-07935(density ~1.43 g/mL); multiply ug/g analyte values by 1.43 to generate ug/mL values.
7. Divide C3 values by 0.3 or 0.5 to estimate contribution of sample blank to analyte levels in 95-07932 and 95-07941, re

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

**** ION CHROMATOGRAPHY REPORT ****

NITRATE

SAMPLE VALUES ARE IN ug/g

TANK BY-108, CORE 99

SAMPLE ID	SMPL 1	DUP 2	RPD	BLANK 3	<-- SAMPLE SPIKE --> 4	EXPECT	% REC	SPIKE CONTROL 5	% REC
95-07932-C	161000	165000	2%	16	167000	14100	***	20500	103%
95-07935-C	143000	158000	10%						
95-07941-C	55000	67000	20%	80	78000	20800	111%	20100	101%
95-07942-C	590000	610000	3%						
95-07943-C	247000	254000	3%						
95-07944-C	235000	329000	33%						
95-07945-C	101000	197000	64%						
95-07946-C	69000	65000	6%						
95-07947-C	54000	53000	2%						
95-07948-C	50000	42000	17%						
								TRUE=20000 ug/mL	

NOTES:

1. THIS DATA SUMMARY SHEET INFORMATION IS NOT COMPLETE WITHOUT THE RUN NARRATIVE.
2. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank; 4 = Sample spike ; 5 = Blank.
3. Calculate sample values: analyte in sample extract x (sample wt. + diluent wt.)/ sample wt.
4. Calculate spike recovery: ("4" - "1")/"EXPECT" or, "4"/"EXPECT" if "1" < sample det. lim. ; "****" indicates "1"/"EXPE
5. Calculate spike control recovery: (spike control) / true value for analyte in stock spike.
6. 95-07932 & 95-07935(density ~1.43 g/mL); multiply ug/g analyte values by 1.43 to generate ug/mL
7. Divide C3 values by 0.3 or 0.5 to estimate contribution of sample blank to analyte levels in 95-07932 and 95-07941, re

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

**** ION CHROMATOGRAPHY REPORT ****

PHOSPHATE

SAMPLE VALUES ARE IN ug/g

TANK BY-108, CORE 99

SAMPLE ID	SMPL 1	DUP 2	RPD	BLANK 3	<--- SAMPLE SPIKE ---> 4	EXPECT	% REC	SPIKE CONTROL 5	% REC
95-07932-C	500	500	0%	< 10	2400	2500	76%	3300	94%
95-07935-C	900	900	0%						
95-07941-C	63000	52000	19%	< 30	80000	3600	***	3200	91%
95-07942-C	2200	2100	5%						
95-07943-C	14100	13500	4%						
95-07944-C	7600	9700	24%						
95-07945-C	19700	13400	38%						
95-07946-C	32000	46000	36%						
95-07947-C	60000	67000	11%						
95-07948-C	79000	78000	1%						
								TRUE= 3500 ug/mL	

NOTES:

1. THIS DATA SUMMARY SHEET INFORMATION IS NOT COMPLETE WITHOUT THE RUN NARRATIVE.
2. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank; 4 = Sample spike ; 5 = Blank.
3. Calculate sample values: analyte in sample extract x (sample wt. + diluent wt.)/ sample wt.
4. Calculate spike recovery: ("4" - "1")/"EXPECT" or, "4"/"EXPECT" if "1" < sample det. lim. ; "****" indicates "1"/"EXPE
5. Calculate spike control recovery: (spike control) / true value for analyte in stock spike.
6. 95-07932 & 95-07935(density ~1.43 g/mL); multiply ug/g analyte values by 1.43 to generate ug/mL values.
7. Divide C3 values by 0.3 or 0.5 to estimate contribution of sample blank to analyte levels in 95-07932 and 95-07941, re

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

**** ION CHROMATOGRAPHY REPORT ****

SULFATE

SAMPLE VALUES ARE IN ug/g

TANK BY-108, CORE 99

SAMPLE ID	SMPL 1	DUP 2	RPD	BLANK 3	<--- SAMPLE SPIKE ---> 4	EXPECT	% REC	SPIKE CONTROL 5	% REC
95-07932-C	800	700	13%	12	10700	10600	93%	14300	95%
95-07935-C	1100	1100	0%						
95-07941-C	700	700	0%	60	15000	15600	92%	14500	97%
95-07942-C	900	900	0%						
95-07943-C	9800	9500	3%						
95-07944-C	19600	15400	24%						
95-07945-C	57800	21400	92%						
95-07946-C	6000	4000	40%						
95-07947-C	15000	17000	13%						
95-07948-C	21000	9000	80%						
								TRUE=15000 ug/mL	

NOTES:

1. THIS DATA SUMMARY SHEET INFORMATION IS NOT COMPLETE WITHOUT THE RUN NARRATIVE.
2. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank; 4 = Sample spike ; 5 = Blank.
3. Calculate sample values: analyte in sample extract x (sample wt. + diluent wt.)/ sample wt.
4. Calculate spike recovery: ("4" - "1")/"EXPECT" or, "4"/"EXPECT" if "1" < sample det. lim. ; "****" indicates "1"/"EXPE
5. Calculate spike control recovery: (spike control) / true value for analyte in stock spike.
6. 95-07932 & 95-07935(density ~1.43 g/mL); multiply ug/g analyte values by 1.43 to generate ug/mL values.
7. Divide C3 values by 0.3 or 0.5 to estimate contribution of sample blank to analyte levels in 95-07932 and 95-07941, re

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

**** ION CHROMATOGRAPHY INPUT DATA ****

EXTRACTION DATE(S): 9/7/95 to 9/7/95

ANALYSIS DATE(S): 9/8/95 to 9/28/95

FLUORIDE TANK BY-108, CORE 99

<---- UNITS FOR MEASURED VALUES IN HOT CELL EXTRACT: ug/ml, ppm ---->

SAMPLE ID	WT(gm)1	VOL(ml)1	WT(gm)2	VOL(ml)2	VOL(ml)3	WT(gm)4	VOL(ml)4	VOL(ml)5	4: SPK (ml)	5: SPK (ml)	DIL 1&2	1	2	DIL 3	3	DIL 4	4	DIL 5	5
95-07932-C	0.2855	19.08	0.2952	20.30	19.84	0.2832	19.55	20.66	0.1996	0.1996	20	3.8	4.2	1	0.1	20	4.1	10	4.6
95-07935-C	0.2889	20.02	0.2796	20.44							20	3.8	3.8						
95-07941-C	0.5139	50.18	0.4972	49.98	50.48	0.4973	51.91	50.75	0.5177	0.5183	20	66.5	52.7	1	0.2	20	75.8	10	4.6
95-07942-C	0.5152	50.34	0.5051	51.18							20	4.7	4.5						
95-07943-C	0.5738	53.26	0.6160	50.82							20	42.0	45.4						
95-07944-C	0.5242	51.28	0.4823	51.33							20	56.8	44.6						
95-07945-C	0.4889	51.55	0.6035	50.02							20	77.6	61.6						
95-07946-C	0.3985	50.00	0.5613	51.05							20	2.9	2.8						
95-07947-C	0.4616	50.54	0.5202	50.26							20	2.4	2.4						
95-07948-C	0.4951	51.79	0.6615	51.83							20	2.7	3.8						

NOTES:

1. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank ; 4 = Sample Spike; 5 = Spike Control.
2. Diluent volumes have been rounded to the nearest 10 mg in these calculations.
3. Volumes of SST-IC 1(spike standard) used for the spiked sample and the spike control have been assigned a density of 1g/ml.
4. All calculations assume total dissolution of the sample; sample solution density has been assigned a value of 1g/ml.
5. Samples 95-07932 and 95-07935 are drainable liquids, the rest are solids.

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

ANALYST: M. M. O'Neill

M & TE ID: WA83665 (for PNL-ALO-212 & for PNL-ALO-271); System 1 ID: WC28133, System 2 ID: WC28134

**** ION CHROMATOGRAPHY INPUT DATA ****

EXTRACTION DATE(S): 9/7/95 to 9/7/95 ANALYSIS DATE(S): 9/8/95 to 9/28/95 CHLORIDE TANK BY-108, CORE 99

<--------- UNITS FOR MEASURED VALUES IN HOT CELL EXTRACT: ug/ml, ppm --------->

SAMPLE ID	WT(gm)1	VOL(ml)1	WT(gm)2	VOL(ml)2	VOL(ml)3	WT(gm)4	VOL(ml)4	VOL(ml)5	4: SPK (ml)	5: SPK (ml)	DIL 1&2	1.0	2.0	DIL 3	3.0	DIL 4	4.0	DIL 5	5.0
95-07932-C	0.2855	19.08	0.2952	20.30	19.84	0.2832	19.55	20.66	0.1996	0.1996	20	34.4	32.7	1	0.2	20	36.9	10	5.1
95-07935-C	0.2889	20.02	0.2796	20.44							20	34.2	32.8						
95-07941-C	0.5139	50.18	0.4972	49.98	50.48	0.4973	51.91	50.75	0.5177	0.5183	20	6.7	6.5	1	0.7	20	10.3	10	5.7
95-07942-C	0.5152	50.34	0.5051	51.18							20	8.2	7.6						
95-07943-C	0.5738	53.26	0.6160	50.82							20	12.7	13.7						
95-07944-C	0.5242	51.28	0.4823	51.33							20	12.3	10.2						
95-07945-C	0.4889	51.55	0.6035	50.02							20	12.8	13.8						
95-07946-C	0.3985	50.00	0.5613	51.05							20	12.7	15.5						
95-07947-C	0.4618	50.54	0.5202	50.26							20	12.4	13.8						
95-07948-C	0.4951	51.79	0.6615	51.83							20	12.0	13.3						

NOTES:

1. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank ; 4 = Sample Spike; 5 = Spike Control.
2. Diluent volumes have been rounded to the nearest 10 mg in these calculations.
3. Volumes of SST-IC 1(spike standard) used for the spiked sample and the spike control have been assigned a density of 1g/ml.
4. All calculations assume total dissolution of the sample; sample solution density has been assigned a value of 1g/ml.
5. Samples 95-07932 and 95-07935 are drainable liquids, the rest are solids.

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG ANALYST: M. M. O'Neill

M & TE ID: WA83665 (for PNL-ALO-212 & for PNL-ALO-271); System 1 ID: WC28133, System 2 ID: WC28134

3-1364

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

**** ION CHROMATOGRAPHY INPUT DATA ****

EXTRACTION DATE(S): 9/7/95 to 9/7/95 ANALYSIS DATE(S): 9/8/95 to 9/28/95 NITRITE TANK BY-108, CORE 99

<--- UNITS FOR MEASURED VALUES IN HOT CELL EXTRACT: ug/ml, ppm --->

SAMPLE ID	WT(gm)1	VOL(ml)1	WT(gm)2	VOL(ml)2	VOL(ml)3	WT(gm)4	VOL(ml)4	VOL(ml)5	4: SPK (ml)	5: SPK (ml)	DIL 1&2	1.0	2.0	DIL 3	3.0	DIL 4	4.0	DIL 5	5.0
95-07932-C	0.2855	19.08	0.2952	20.30	19.84	0.2832	19.55	20.66	0.1996	0.1996	20	588.6	564.4	1	0.3	20	609.3	10	41.7
95-07935-C	0.2889	20.02	0.2796	20.44							20	601.3	576.2						
95-07941-C	0.5139	50.18	0.4972	49.98	50.48	0.4973	51.91	50.75	0.5177	0.5183	20	81.5	80.3	1	0.2	20	118.1	10	43.8
95-07942-C	0.5152	50.34	0.5051	51.18							20	125.2	110.3						
95-07943-C	0.5738	53.26	0.6160	50.82							20	221.2	231.6						
95-07944-C	0.5242	51.28	0.4823	51.33							20	205.7	164.5						
95-07945-C	0.4889	51.55	0.6035	50.02							20	330.5	364.6						
95-07946-C	0.3985	50.00	0.5613	51.05							20	382.4	475.0						
95-07947-C	0.4616	50.54	0.5202	50.26							20	382.5	436.7						
95-07948-C	0.4951	51.79	0.6615	51.83							20	381.9	428.9						

NOTES:

1. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank ; 4 = Sample Spike; 5 = Spike Control.
2. Diluent volumes have been rounded to the nearest 10 mg in these calculations.
3. Volumes of SST-IC 1(spike standard) used for the spiked sample and the spike control have been assigned a density of 1g/ml.
4. All calculations assume total dissolution of the sample; sample solution density has been assigned a value of 1g/ml.
5. Samples 95-07932 and 95-07935 are drainable liquids, the rest are solids.

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG ANALYST: M. M. O'Neill

M & TE ID: WA83665 (for PNL-ALO-212 & for PNL-ALO-271); System 1 ID: WC28133, System 2 ID: WC28134

3-1365

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

**** ION CHROMATOGRAPHY INPUT DATA ****

EXTRACTION DATE(S): 9/7/95 to 9/7/95

ANALYSIS DATE(S): 9/8/95 to 9/28/95

NITRATE TANK BY-108, CORE 99

<-------- UNITS FOR MEASURED VALUES IN HOT CELL EXTRACT: ug/ml, ppm -------->

SAMPLE ID	WT(gm)1	VOL(ml)1	WT(gm)2	VOL(ml)2	VOL(ml)3	WT(gm)4	VOL(ml)4	VOL(ml)5	4: SPK (ml)	5: SPK (ml)	DIL 1&2	1.0	2.0	DIL 3	3.0	DIL 4	4.0	DIL 5	5.0
95-07932-C	0.2855	19.08	0.2952	20.30	19.84	0.2832	19.55	20.66	0.1996	0.1996	100	2377.8	2365.7	1	0.8	20	2387.6	10	195.7
95-07935-C	0.2889	20.02	0.2796	20.44							100	2037.1	2126.6						
95-07941-C	0.5139	50.18	0.4972	49.98	50.48	0.4973	51.91	50.75	0.5177	0.5183	50	554.3	657.9	1	1.5	50	738.0	10	203.5
95-07942-C	0.5152	50.34	0.5051	51.18							500	5970.4	6003.8						
95-07943-C	0.5738	53.26	0.6160	50.82							100	2635.5	3044.7						
95-07944-C	0.5242	51.28	0.4823	51.33							100	2379.9	3059.7						
95-07945-C	0.4889	51.55	0.6035	50.02							100	949.6	2351.7						
95-07946-C	0.3985	50.00	0.5613	51.05							20	548.9	703.2						
95-07947-C	0.4616	50.54	0.5202	50.26							20	485.9	542.7						
95-07948-C	0.4951	51.79	0.6615	51.83							20	471.6	525.0						

NOTES:

1. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank ; 4 = Sample Spike; 5 = Spike Control.
2. Diluent volumes have been rounded to the nearest 10 mg in these calculations.
3. Volumes of SST-IC 1(spike standard) used for the spiked sample and the spike control have been assigned a density of 1g/ml.
4. All calculations assume total dissolution of the sample; sample solution density has been assigned a value of 1g/ml.
5. Samples 95-07932 and 95-07935 are drainable liquids, the rest are solids.

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

ANALYST: M. M. O'Neill

M & TE ID: WA83665 (for PNL-ALO-212 & for PNL-ALO-271); System 1 ID: WC28133, System 2 ID: WC28134

3-1366

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

**** ION CHROMATOGRAPHY INPUT DATA ****

EXTRACTION DATE(S): 9/7/95 to 9/7/95

ANALYSIS DATE(S): 9/8/95 to 9/28/95

PHOSPHATE TANK BY-108, CORE 99

<--------- UNITS FOR MEASURED VALUES IN HOT CELL EXTRACT: ug/ml, ppm --------->

SAMPLE ID	WT(gm)1	VOL(ml)1	WT(gm)2	VOL(ml)2	VOL(ml)3	WT(gm)4	VOL(ml)4	VOL(ml)5	4: SPK (ml)	5: SPK (ml)	DIL 1&2	1.0	2.0	DIL 3	3.0	DIL 4	4.0	DIL 5	5.0
95-07932-C	0.2855	19.08	0.2952	20.30	19.84	0.2832	19.55	20.66	0.1996	0.1996	10	8.1	7.5	1	0.3	10	34.8	10	31.6
95-07935-C	0.2889	20.02	0.2796	20.44							20	12.8	12.1						
95-07941-C	0.5139	50.18	0.4972	49.98	50.48	0.4973	51.91	50.75	0.5177	0.5183	50	638.9	517.1	1	0.3	50	763.1	10	32.7
95-07942-C	0.5152	50.34	0.5051	51.18							20	21.9	20.7						
95-07943-C	0.5738	53.26	0.6160	50.82							20	150.4	161.5						
95-07944-C	0.5242	51.28	0.4823	51.33							20	76.5	90.4						
95-07945-C	0.4889	51.55	0.6035	50.02							10	185.1	159.9						
95-07946-C	0.3985	50.00	0.5613	51.05							20	251.4	500.5						
95-07947-C	0.4616	50.54	0.5202	50.26							20	546.0	681.3						
95-07948-C	0.4951	51.79	0.6615	51.83							100	743.8	988.3						

NOTES:

1. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank ; 4 = Sample Spike; 5 = Spike Control.
2. Diluent volumes have been rounded to the nearest 10 mg in these calculations.
3. Volumes of SST-IC 1(spike standard) used for the spiked sample and the spike control have been assigned a density of 1g/ml.
4. All calculations assume total dissolution of the sample; sample solution density has been assigned a value of 1g/ml.
5. Samples 95-07932 and 95-07935 are drainable liquids, the rest are solids.

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

ANALYST: M. M. O'Neill

M & TE ID: WA83665 (for PNL-ALO-212 & for PNL-ALO-271); System 1 ID: WC28133, System 2 ID: WC28134

3-1367

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

**** ION CHROMATOGRAPHY INPUT DATA ****

EXTRACTION DATE(S): 9/7/95 to 9/7/95

ANALYSIS DATE(S): 9/8/95 to 9/28/95

SULFATE TANK BY-108, CORE 99

<-------- UNITS FOR MEASURED VALUES IN HOT CELL EXTRACT: ug/ml, ppm -------->

SAMPLE ID	WT(gm)1	VOL(ml)1	WT(gm)2	VOL(ml)2	VOL(ml)3	WT(gm)4	VOL(ml)4	VOL(ml)5	4: SPK (ml)	5: SPK (ml)	DIL 1&2	1.0	2.0	DIL 3	3.0	DIL 4	4.0	DIL 5	5.0
95-07932-C	0.2855	19.08	0.2952	20.30	19.84	0.2832	19.55	20.66	0.1996	0.1996	10	11.2	10.3	1	0.6	10	153.5	10	136.7
95-07935-C	0.2889	20.02	0.2796	20.44							20	16.2	15.4						
95-07941-C	0.5139	50.18	0.4972	49.98	50.48	0.4973	51.91	50.75	0.5177	0.5183	20	7.2	7.2	1	1.2	20	142.3	10	146.7
95-07942-C	0.5152	50.34	0.5051	51.18							20	9.3	8.4						
95-07943-C	0.5738	53.26	0.6160	50.82							20	104.4	114.1						
95-07944-C	0.5242	51.28	0.4823	51.33							20	198.2	143.0						
95-07945-C	0.4889	51.55	0.6035	50.02							10	542.7	255.6						
95-07946-C	0.3985	50.00	0.5613	51.05							20	48.0	41.9						
95-07947-C	0.4616	50.54	0.5202	50.26							20	138.3	175.8						
95-07948-C	0.4951	51.79	0.6615	51.83							100	202.6	107.6						

NOTES:

1. Nomenclature used for this data set: 1 = Sample; 2 = Duplicate; 3 = Blank ; 4 = Sample Spike; 5 = Spike Control.
2. Diluent volumes have been rounded to the nearest 10 mg in these calculations.
3. Volumes of SST-IC 1(spike standard) used for the spiked sample and the spike control have been assigned a density of 1g/ml.
4. All calculations assume total dissolution of the sample; sample solution density has been assigned a value of 1g/ml.
5. Samples 95-07932 and 95-07935 are drainable liquids, the rest are solids.

SAMPLES ANALYZED AT BATTELLE-PNL, ACL-INORGANIC IC LAB, ROOM 400, 325 BLDG

ANALYST: M. M. O'Neill

M & TE ID: WA83665 (for PNL-ALO-212 & for PNL-ALO-271); System 1 ID: WC28133, System 2 ID: WC28134

3-1368

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

AI-450 AS3500 Editor - 09282SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A04	5	1	A950609V1/LO	2anions2	95092821	1	1	
2	A04	15	1	A950609V2/MID	2anions2	95092821	1	1	
3	A04	25	1	A950609V3/HI	2anions2	95092821	1	1	
4	A01	100	1	A9509282B1	2anions2	95092821	1	1	
5	A04	5	1	A950609V1/LO	2anions2	95092821	1	1	
6	A09	10	1	95-7932-C1/SEG2	2anions2	95092821	1	1	
7	A10	10	1	95-7932-C2/SEG2	2anions2	95092821	1	1	
8	A11	10	1	95-7932-C4/SEG2	2anions2	95092821	1	1	
9	A12	10	1	95-7932-C5/SEG2	2anions2	95092821	1	1	
10	A13	100	1	95-7932-C4/SEG2	2anions2	95092821	50	1	
11	A14	100	1	95-7941-C1/SEG1	2anions2	95092821	50	1	
12	A15	100	1	95-7941-C2/SEG1	2anions2	95092821	50	1	
13	A16	100	1	95-7941-C4/SEG1	2anions2	95092821	50	1	
14	A17	10	1	95-7941-C5/SEG1	2anions2	95092821	1	1	
15	A18	100	1	95-7943-C1/QS2D	2anions2	95092821	200	1	
16	A04	5	1	A950609V1/LO	2anions2	95092821	1	1	
17	A04	15	1	A950609V2/MID	2anions2	95092821	1	1	
18	A04	25	1	A950609V3/HI	2anions2	95092821	1	1	
19	A02	100	1	A9509282B2	2anions2	95092821	1	1	
20	A19	100	1	95-7943-C2/QS2D	2anions2	95092821	200	1	
21	A20	100	1	95-7944-C1/QS3A	2anions2	95092821	200	1	
22	A21	100	1	95-7944-C2/QS3A	2anions2	95092821	200	1	
23	A22	10	1	95-7945-C1/QS4A	2anions2	95092821	1	1	
24	A23	10	1	95-7945-C2/QS4A	2anions2	95092821	1	1	
25	A22	5	1	95-7945-C1/QS4A	2anions2	95092821	1	1	
26	A23	5	1	95-7945-C2/QS4A	2anions2	95092821	1	1	
27	A24	100	1	95-7945-C1/QS4A	2anions2	95092821	100	1	
28	A25	100	1	95-7945-C2/QS4A	2anions2	95092821	100	1	
29	A26	10	1	95-7946-C1/QS4B	2anions2	95092821	1	1	
30	A04	5	1	A950609V1/LO	2anions2	95092821	1	1	
31	A04	15	1	A950609V2/MID	2anions2	95092821	1	1	
32	A04	25	1	A950609V3/HI	2anions2	95092821	1	1	
33	A03	100	1	A9509282B3	2anions2	95092821	1	1	
34	A27	10	1	95-7946-C2/QS4B	2anions2	95092821	1	1	
35	A28	10	1	95-7948-C1/QS4D	2anions2	95092821	1	1	
36	A29	10	1	95-7948-C2/QS4D	2anions2	95092821	1	1	
37	A04	5	1	A950609V1/LO	2anions2	95092821	1	1	
38	A04	15	1	A950609V2/MID	2anions2	95092821	1	1	
39	A04	25	1	A950609V3/HI	2anions2	95092821	1	1	
40	A03	100	1	A9509282B4	2anions2	95092821	1	1	
41	A09	10	1	95-7932-C1/SEG2	2anions2	95092821	1	1	
42	A05	5	1	A950609V1/LO	2anions2	95092821	1	1	
43	A05	15	1	A950609V2/MID	2anions2	95092821	1	1	
44	A12	10	1	95-7932-C5/SEG2	2anions2	95092821	1	1	
45	A13	100	1	95-7932-C4/SEG2	2anions2	95092821	50	1	
46	A05	5	1	A950609V1/LO	2anions2	95092821	1	1	
47	A05	15	1	A950609V2/MID	2anions2	95092821	1	1	
48	A05	25	1	A950609V3/HI	2anions2	95092821	1	1	
49	A03	100	1	A9509282B5	2anions2	95092821	1	1	
50	A39	100	2	DDI	2anions2	95092821	1	1	
51	A40	100	1	NO RUN	2shutdn	95092821	1	1	

1	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
2	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
3	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
4	A01	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
5	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
6	A09	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
7	A10	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
8	A11	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
9	A12	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
10	A13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
11	A14	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
12	A15	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
13	A16	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
14	A17	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
15	A18	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
16	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
17	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
18	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
19	A02	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
20	A19	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
21	A20	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
22	A21	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
23	A22	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
24	A23	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
25	A22	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
26	A23	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
27	A24	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
28	A25	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
29	A26	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
30	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
31	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
32	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
33	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
34	A27	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
35	A28	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
36	A29	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
37	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
38	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
39	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
40	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
41	A09	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
42	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
43	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
44	A12	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
45	A13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
46	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
47	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
48	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
49	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
50	A39	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
51	A40	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0

Comment:

More Run Parameters

Vial	Oven	Oven.Cool	Cool	Cycle	Flush	Visc	Prep	Inj	Needle

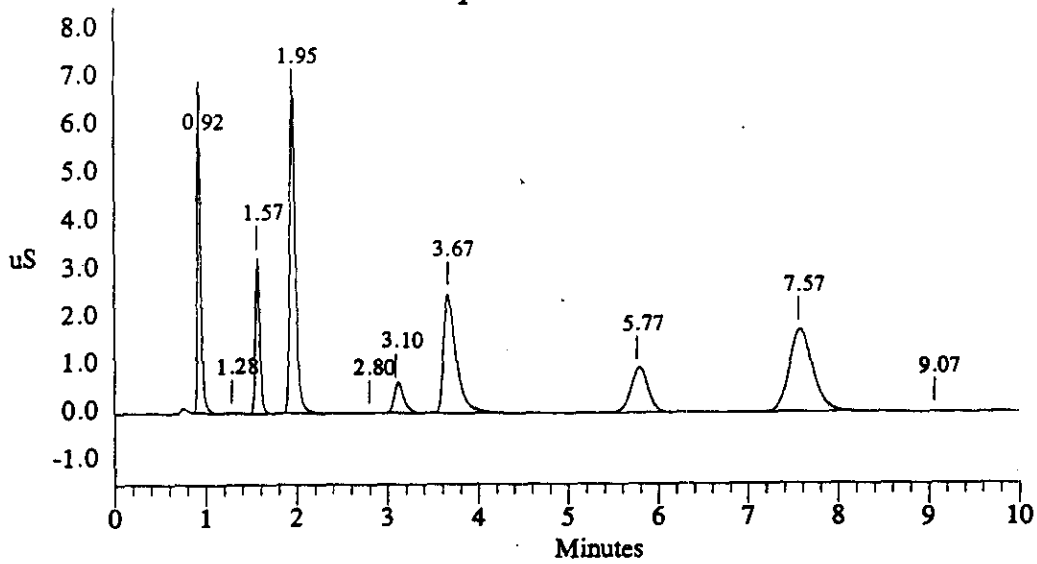
Sample Name: A950609V1/LO - A04 Date: 09/28/1995 12:05:11
Data File : C:\DX\DATA\9509282\95092821.D01
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 1 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.92	FLUORIDE	9.254	5121059	18003443	1	-2.81
2	1.28		0.000	26211	183238	1	
3	1.57	CHLORIDE	9.511	3248408	11064950	1	0.00
4	1.95	NITRITE	34.964	6507667	30227832	1	-0.83
5	2.80		0.000	12301	182551	1	
6	3.10	BROMIDE	9.533	564434	4790092	1	4.26
7	3.67	NITRATE	36.192	2486173	24501314	1	0.00
8	5.77	PHOSPHATE	37.079	905182	12602913	1	-4.35
9	7.57	SULFATE	36.516	1723410	32242992	1	0.00
10	9.07		0.000	9511	132227	1	
		Totals	173.049	20604357	133931552		

File: 95092821.D01 Sample: A950609V1/LO - A04



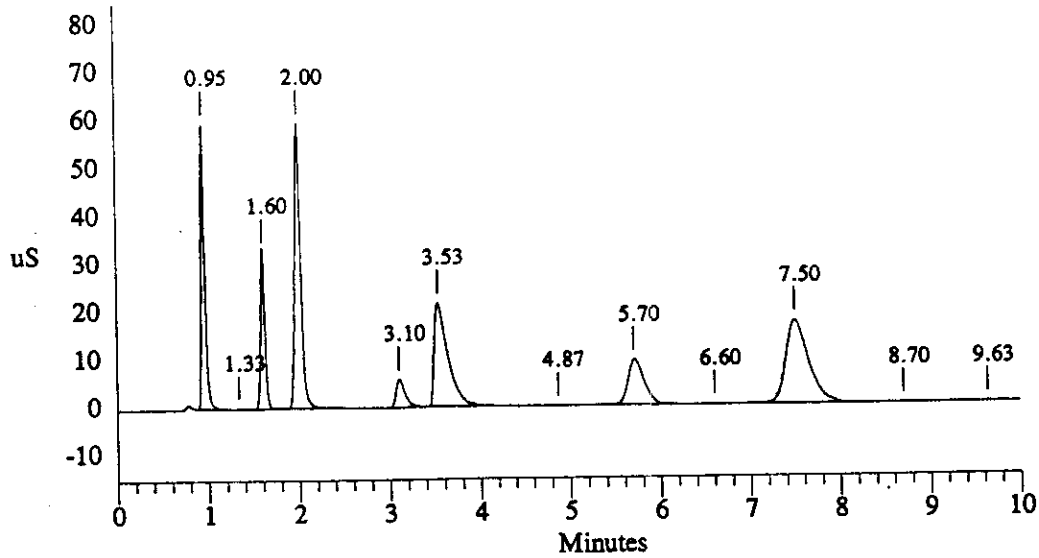
Sample Name: A950609V2/MID - A04 Date: 09/28/1995 12:18:14
Data File : C:\DX\DATA\9509282\95092821.D02
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 2 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	15	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	24.755	59504064	172983784	1	-1.38
2	1.33		0.000	133079	740658	1	
3	1.60	CHLORIDE	24.546	32973141	111150751	1	0.00
4	2.00	NITRITE	97.418	59560874	281689712	1	-0.41
5	3.10	BROMIDE	24.827	5908608	41144213	1	2.08
6	3.53	NITRATE	96.550	21707911	233618416	1	0.00
7	4.87		0.000	23909	329307	1	
8	5.70	PHOSPHATE	99.989	9405132	120309619	1	-1.89
9	6.60		0.000	172554	1154318	1	
10	7.50	SULFATE	102.142	17516287	316268245	1	0.00
11	8.70		0.000	21416	333861	1	
12	9.63		0.000	159504	1316211	1	
		Totals	470.226	207086479	1281039094		

File: 95092821.D02 Sample: A950609V2/MID - A04



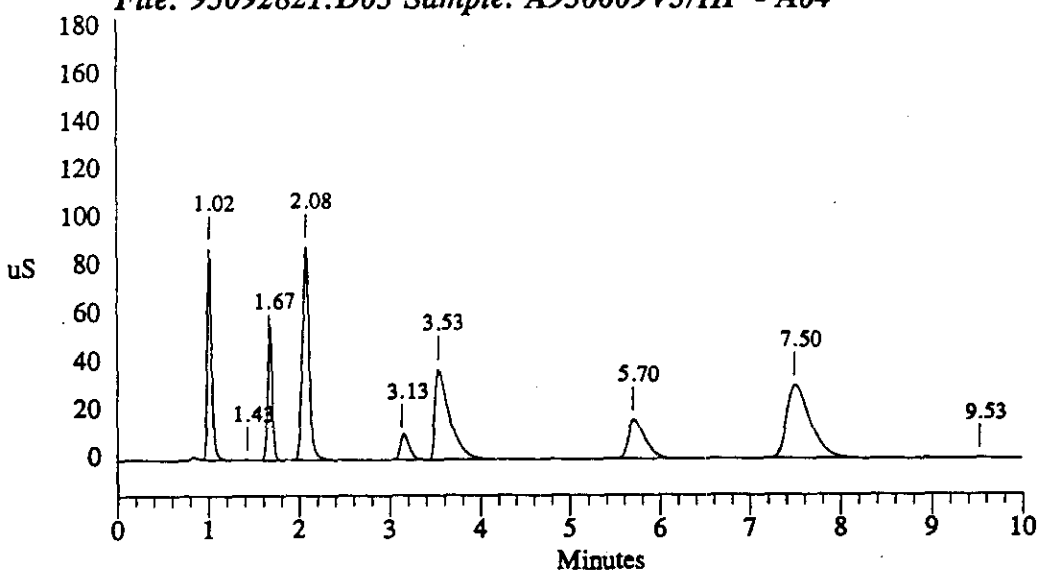
Sample Name: A950609V3/HI - A04 Date: 09/28/1995 12:31:40
Data File : C:\DX\DATA\9509282\95092821.D03
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 3 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	24.938	87804579	294988282	1	1.32
2	1.43		0.000	198345	1113348	1	
3	1.67	CHLORIDE	24.712	47001029	201209586	1	0.00
4	2.08	NITRITE	97.879	88817594	476510239	1	-0.41
5	3.13	BROMIDE	25.401	9710754	74016536	1	-0.95
6	3.53	NITRATE	99.751	37891667	433648128	1	0.00
7	5.70	PHOSPHATE	99.488	16358786	214642043	1	-1.89
8	7.50	SULFATE	102.270	30775818	569332253	1	0.00
9	9.53		0.000	195780	885550	1	
		Totals	474.439	318754352	2266345965		

File: 95092821.D03 Sample: A950609V3/HI - A04



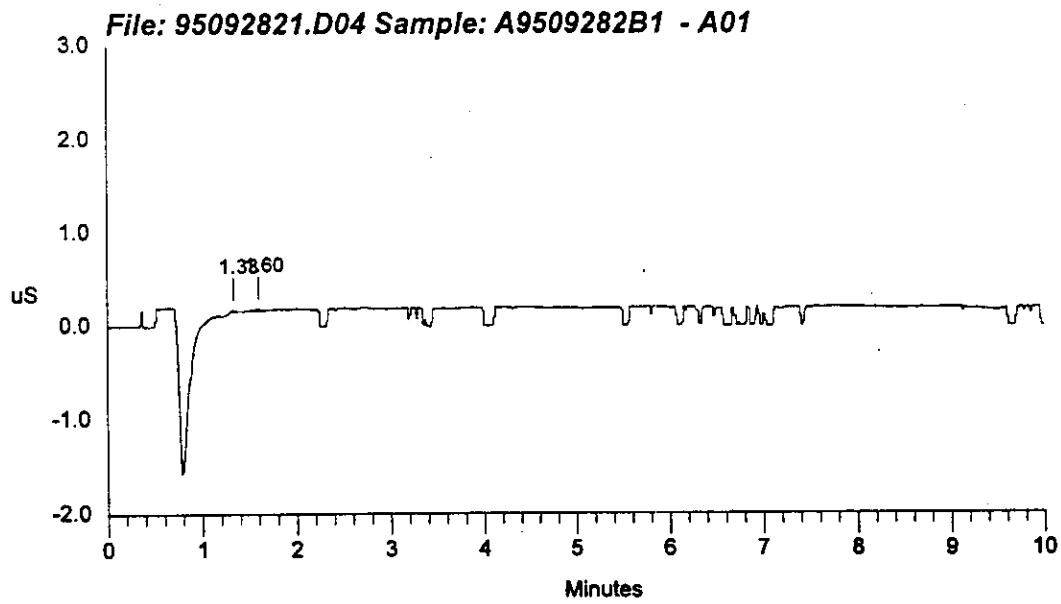
Data Reprocessed On 09/28/1995 21:24:09

Sample Name: A9509282B1 - A01	Date: 09/28/1995 12:48:08
Data File : C:\DX\DATA\9509282\95092821.D04	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 4 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	17044	70301	1	
2	1.60	CHLORIDE	0.097	22631	113214	1	0.00
		Totals	0.097	39675	183515		

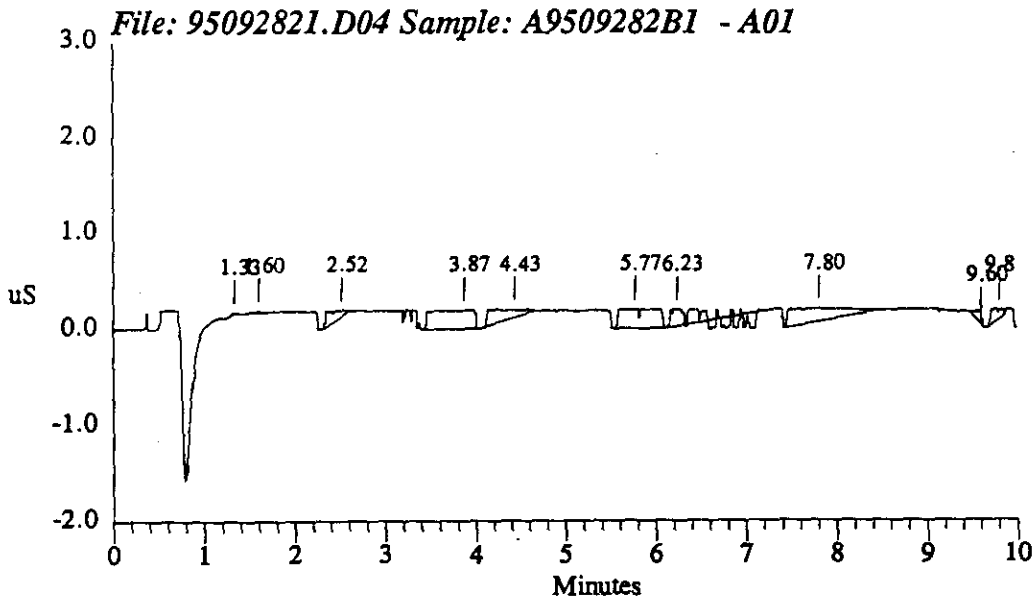


Sample Name: A9509282B1 - A01 Date: 09/28/1995 12:48:08
Data File : C:\DX\DATA\9509282\95092821.D04
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 4 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	17044	70301	1	
2	1.60	CHLORIDE	0.097	22631	113214	1	0.00
3	2.52		0.000	63796	1452622	1	
4	3.87		0.000	193340	6196807	1	
5	4.43		0.000	81373	2980389	1	
6	5.77	PHOSPHATE	0.966	199101	5872770	1	1.17
7	6.23		0.000	174473	858579	1	
8	7.80	SULFATE	0.481	135542	6164838	1	0.00
9	9.60		0.000	45560	583420	1	
10	9.80		0.000	98274	1047796	1	
		Totals	1.544	1031135	25340736		



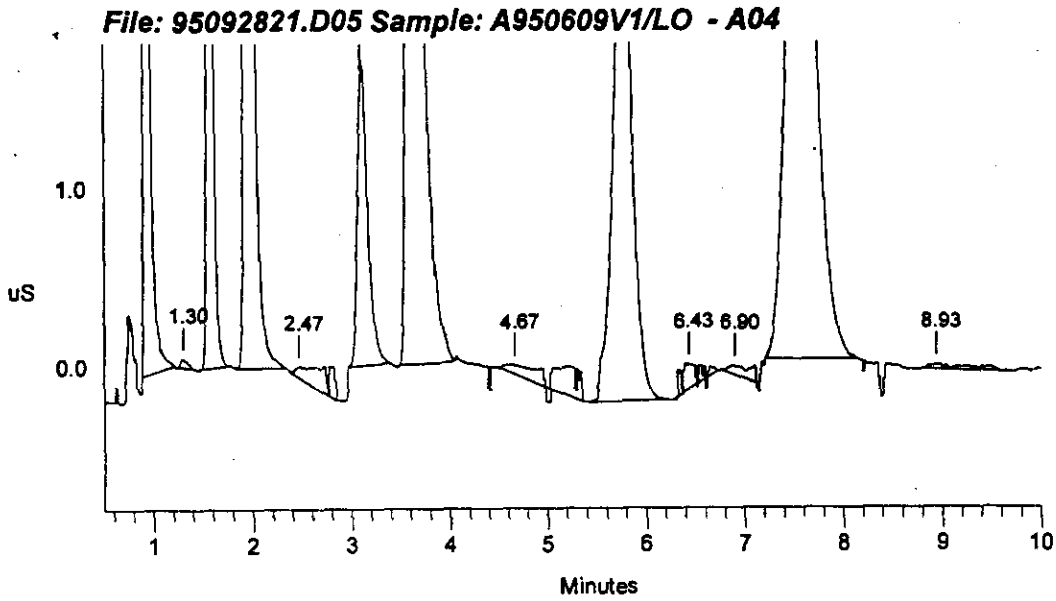
Data Reprocessed On 09/28/1995 21:22:08

Sample Name: A950609V1/LO - A04	Date: 09/28/1995 13:00:44
Data File : C:\DX\DATA\9509282\95092821.D05	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 5 Vial:A04	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.51	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	23.590	20016014	51962723	1	-1.05
2	1.30		0.000	48795	243951	1	
3	1.57	CHLORIDE	22.927	8022026	30876758	1	0.00
4	1.97	NITRITE	90.978	19639419	84708458	1	0.02
5	2.47		0.000	58177	2591031	1	
6	3.10	BROMIDE	23.635	1622099	12351341	1	4.26
7	3.60	NITRATE	87.888	6348897	64864663	1	0.00
8	4.67		0.000	48751	3919754	1	
9	5.77	PHOSPHATE	101.863	2815313	37685353	1	-2.58
10	6.43		0.000	140812	1703632	1	
11	6.90		0.000	50499	964993	1	
12	7.57	SULFATE	88.735	4782627	83887959	1	0.00
13	8.93		0.000	26856	817260	1	
		Totals	439.616	63620285	376577875		


File: 95092821.D05 Sample: A950609V1/LO - A04
1.0
uS
0.0
1.30
2.47
4.67
6.43
6.90
8.93
1
2
3
4
5
6
7
8
9
10
Minutes

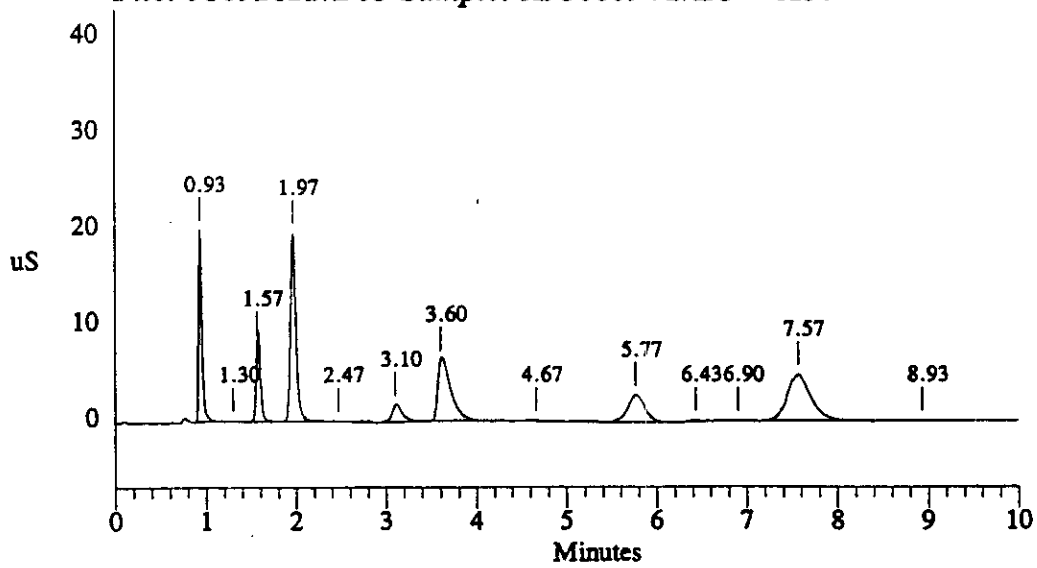
```
Sample Name: A950609V1/LO  - A04            Date: 09/28/1995 13:00:44
Data File  : C:\DX\DATA\9509282\95092821.D05
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 5   Vial:A04        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	23.848	20022178	52574448	3	-1.05
2	1.30		0.000	68558	482037	4	
3	1.57	CHLORIDE	23.097	8033886	31130296	2	0.00
4	1.97	NITRITE	91.281	19643668	85003323	1	0.02
5	2.47		0.000	58177	2591031	1	
6	3.10	BROMIDE	29.417	1764907	15501268	1	4.26
7	3.60	NITRATE	88.752	6353600	65548177	1	0.00
8	4.67		0.000	48751	3919754	1	
9	5.77	PHOSPHATE	101.863	2815313	37685353	1	-2.58
10	6.43		0.000	140812	1703632	1	
11	6.90		0.000	50499	964993	1	
12	7.57	SULFATE	93.918	4866554	89090433	1	0.00
13	8.93		0.000	26856	817260	1	
		Totals	452.175	63893760	387012005		

File: 95092821.D05 Sample: A950609V1/LO - A04



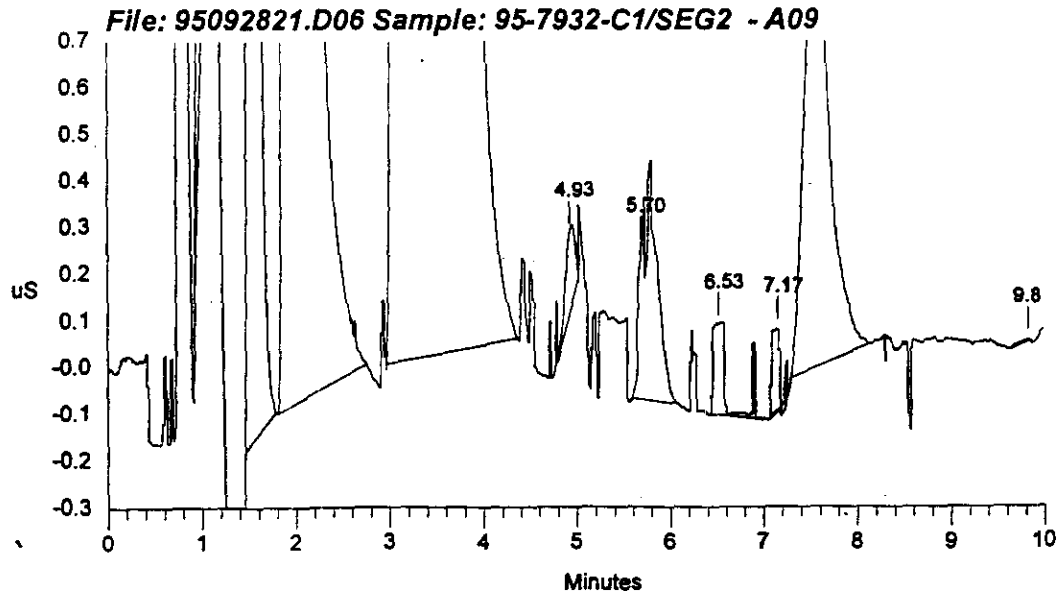
Data Reprocessed On 09/28/1995 19:16:40

Sample Name: 95-7932-C1/SEG2 - A09	Date: 09/28/1995 13:13:34
Data File : C:\DX\DATA\9509282\95092821.D06	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 6 Vial:A09	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.577	1303373	3589564	1	5.73
2	1.08		0.000	7766655	29766195	1	
3	1.55	CHLORIDE	31.124	17298255	92289755	1	0.00
4	2.02	NITRITE	531.748	134464953	1055012227	1	3.66
5	3.13	NITRATE	-2249.882	536954671	5314579867	1	0.00
6	4.93		0.000	172963	1252976	1	
7	5.70	PHOSPHATE	9.649	324087	5861678	1	0.00
8	6.53		0.000	193577	1956002	1	
9	7.17		0.000	173259	1003539	1	
10	7.50	SULFATE	10.724	758040	17591421	1	0.00
11	9.83		0.000	4732	54352	1	
		Totals	-1665.061	699414565	6522957577		



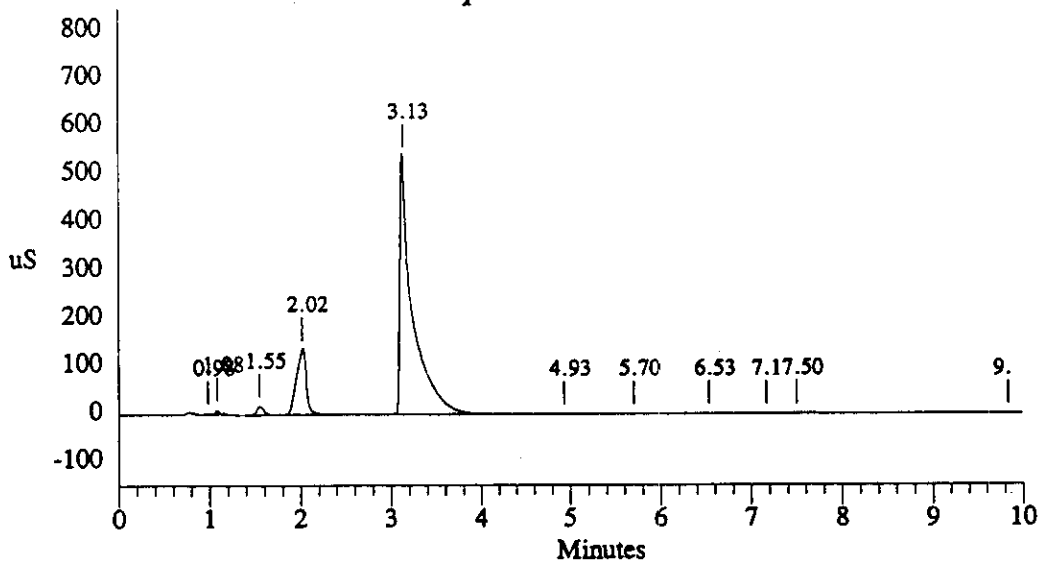
Sample Name: 95-7932-C1/SEG2 - A09 Date: 09/28/1995 13:13:34
Data File : C:\DX\DATA\9509282\95092821.D06
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 6 Vial:A09 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	2.212	1945623	6590794	2	5.38
2	1.08		0.000	8344190	33927850	2	
3	1.55	CHLORIDE	34.028	17812204	101840787	1	0.00
4	2.02	NITRITE	531.780	134466259	1055077600	1	3.66
5	3.13	BROMIDE	-33260.905	536694055	5304603658	1	6.51
6	4.93	PHOSPHATE	10.511	254962	6512569	1	-4.24
7	5.70		0.000	325796	6548619	1	
8	6.53		0.000	193577	1956002	1	
9	7.17		0.000	173259	1003539	1	
10	7.50	SULFATE	10.724	758040	17591421	1	0.00
11	9.83		0.000	4732	54352	1	
		Totals	-32671.650	700972698	6535707190		

File: 95092821.D06 Sample: 95-7932-C1/SEG2 - A09



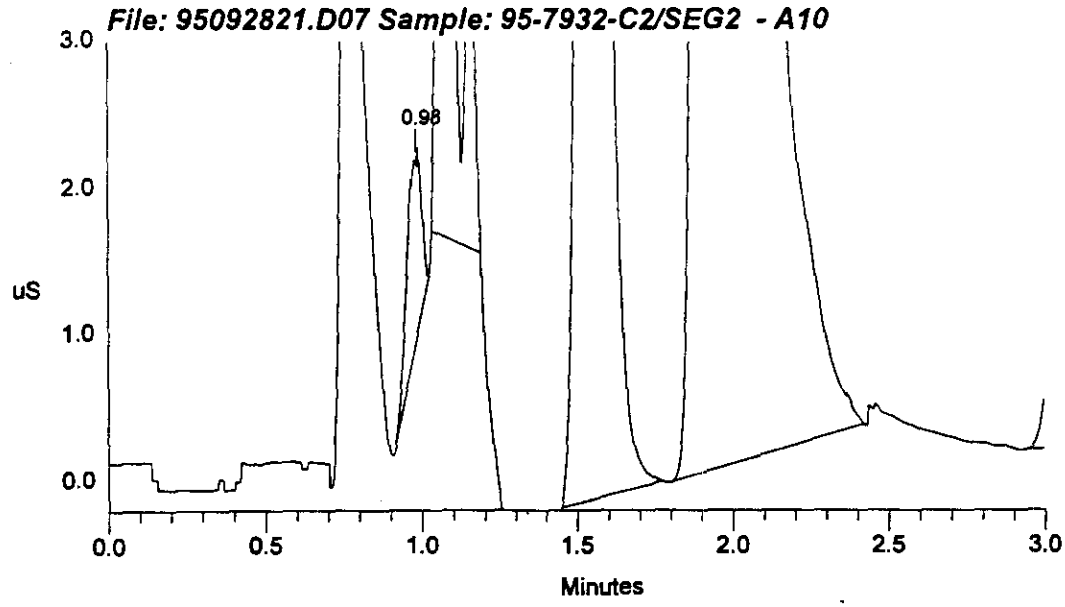
Data Reprocessed On 09/29/1995 00:44:43

Sample Name: 95-7932-C2/SEG2 - A10	Date: 09/28/1995 13:26:24
Data File : A:\95092821.D07	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 7 Vial:A10	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	3.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.733	1233265	4329617	1	5.73
2	1.08		0.000	7020087	26825843	1	
3	1.55	CHLORIDE	30.360	16832514	89796042	1	0.00
4	2.02	NITRITE	513.335	135784256	1017385771	1	3.66
5	3.10	NITRATE	-2039.673	337302278	5172264353	1	0.00
6	4.93		0.000	316196	3551579	1	
7	5.80	PHOSPHATE	7.458	350021	4209104	1	1.75
8	7.53	SULFATE	10.285	892119	16741259	1	0.0(
		Totals	-1476.503	499730736	6335103568		



Data Reprocessed On 09/28/1995 19:17:28

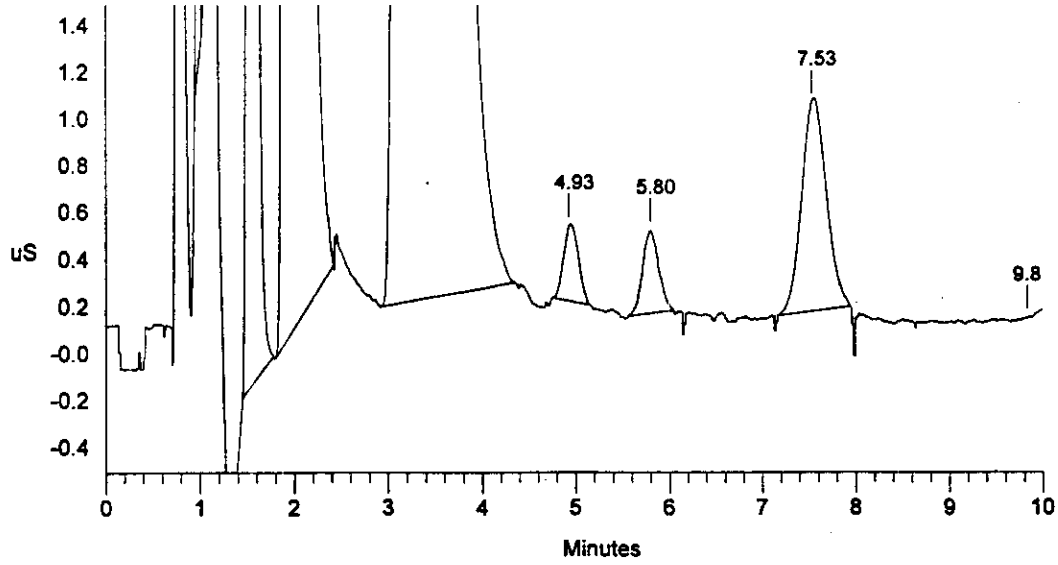
Sample Name: 95-7932-C2/SEG2 - A10	Date: 09/28/1995 13:26:24
Data File : C:\DX\DATA\9509282\95092821.D07	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 7 Vial:A10	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.401	957560	2763008	1	5.73
2	1.08		0.000	7020087	26825843	1	
3	1.55	CHLORIDE	30.360	16832514	89796042	1	0.00
4	2.02	NITRITE	513.335	135784256	1017385771	1	3.66
5	3.10	NITRATE	-2039.673	337302278	5172264353	1	0.00
6	4.93		0.000	316196	3551579	1	
7	5.80	PHOSPHATE	7.458	350021	4209104	1	1.75
8	7.53	SULFATE	10.285	892119	16741259	1	0.00
		Totals	-1476.835	499455031	6333536960		

File: 95092821.D07 Sample: 95-7932-C2/SEG2 - A10



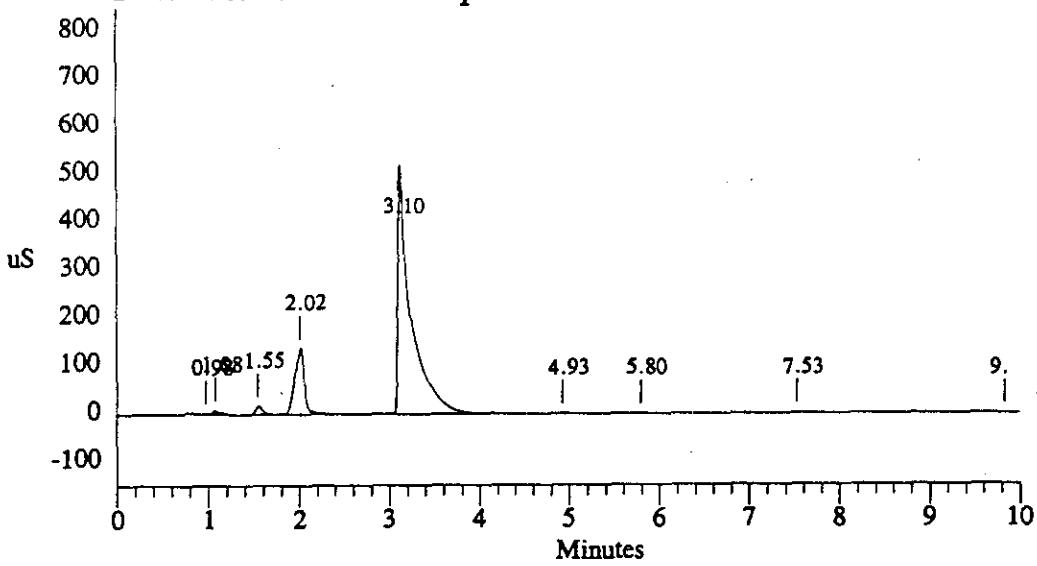
```
Sample Name: 95-7932-C2/SEG2  - A10          Date: 09/28/1995 13:26:24
Data File  : C:\DX\DATA\9509282\95092821.D07
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 7   Vial:A10        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00		30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	2.136	1647371	6231344	2	5.38
2	1.08		0.000	7644440	31247151	2	
3	1.55	CHLORIDE	32.732	17217886	97562035	1	0.00
4	2.02	NITRITE	518.090	135876896	1027096479	1	3.66
5	3.10	BROMIDE	-31559.512	337313168	5176893704	1	5.38
6	4.93		0.000	337696	4420203	1	
7	5.80	PHOSPHATE	8.821	366026	5236785	1	1.75
8	7.53	SULFATE	12.452	967609	20942848	1	0.00
		Totals	-30985.280	501371092	6369630549		

File: 95092821.D07 Sample: 95-7932-C2/SEG2 - A10



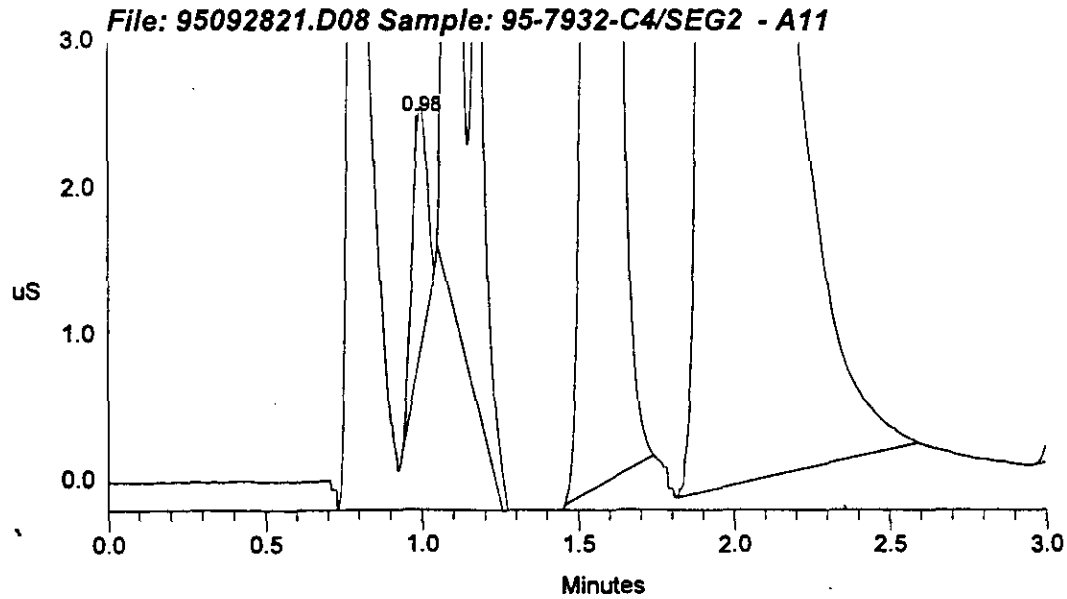
Data Reprocessed On 09/29/1995 00:45:47

Sample Name: 95-7932-C4/SEG2 - A11	Date: 09/28/1995 13:39:13
Data File : A:\95092821.D08	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 8 Vial:A11	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	3.00		30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.970	1538213	5446932	1	4.61
2	1.10		0.000	7493684	35358097	1	
3	1.57	CHLORIDE	34.860	20080677	104601981	1	0.00
4	2.03	NITRITE	553.618	140138275	1099797858	1	3.41
5	3.13	NITRATE	-2671.175	563372398	5584464248	1	0.00
6	4.57		0.000	119328	944409	1	
7	4.83		0.000	14584	52037	1	
8	5.00		0.000	213086	1315347	1	
9	5.80	PHOSPHATE	34.845	1960971	25124172	1	0.00
10	7.47	SULFATE	153.542	16958058	317019061	1	0.00
11	9.17		0.000	129964	1108820	1	
		Totals	-1892.340	752019239	7175232962		



Data Reprocessed On 09/28/1995 19:18:08

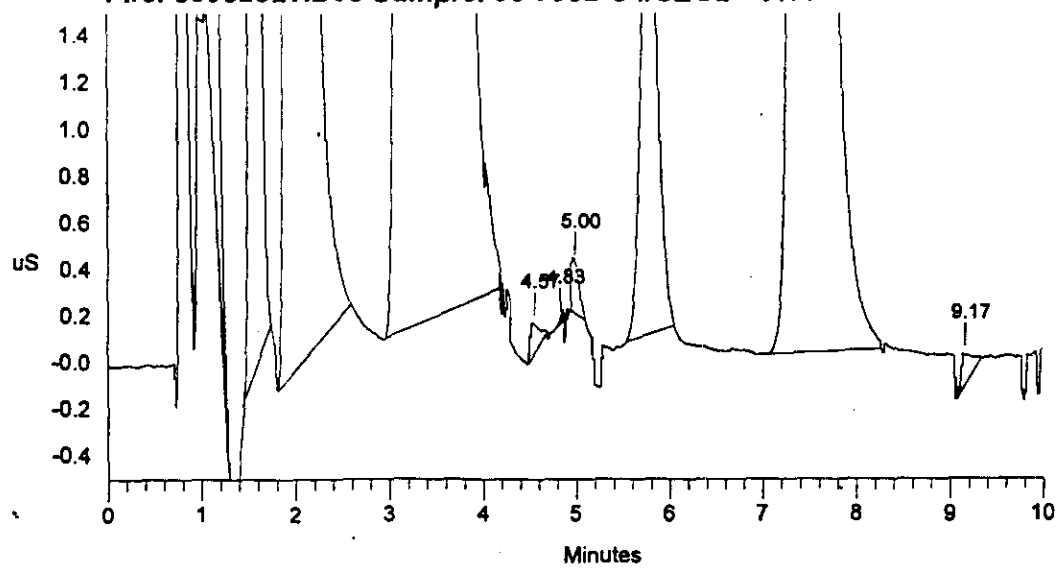
Sample Name: 95-7932-C4/SEG2 - A11	Date: 09/28/1995 13:39:13
Data File : C:\DX\DATA\9509282\95092821.D08	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 8 Vial:A11	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.380	794700	2660365	1	4.61
2	1.10		0.000	7493684	35358097	1	
3	1.57	CHLORIDE	34.860	20080677	104601981	1	0.00
4	2.03	NITRITE	553.618	140138275	1099797858	1	3.41
5	3.13	NITRATE	-2671.175	563372398	5584464248	1	0.00
6	4.57		0.000	119328	944409	1	
7	4.83		0.000	14584	52037	1	
8	5.00		0.000	213086	1315347	1	
9	5.80	PHOSPHATE	34.845	1960971	25124172	1	0.0ι
10	7.47	SULFATE	153.542	16958058	317019061	1	0.00
11	9.17		0.000	129964	1108820	1	
		Totals	-1892.930	751275725	7172446394		

File: 95092821.D08 Sample: 95-7932-C4/SEG2 - A11



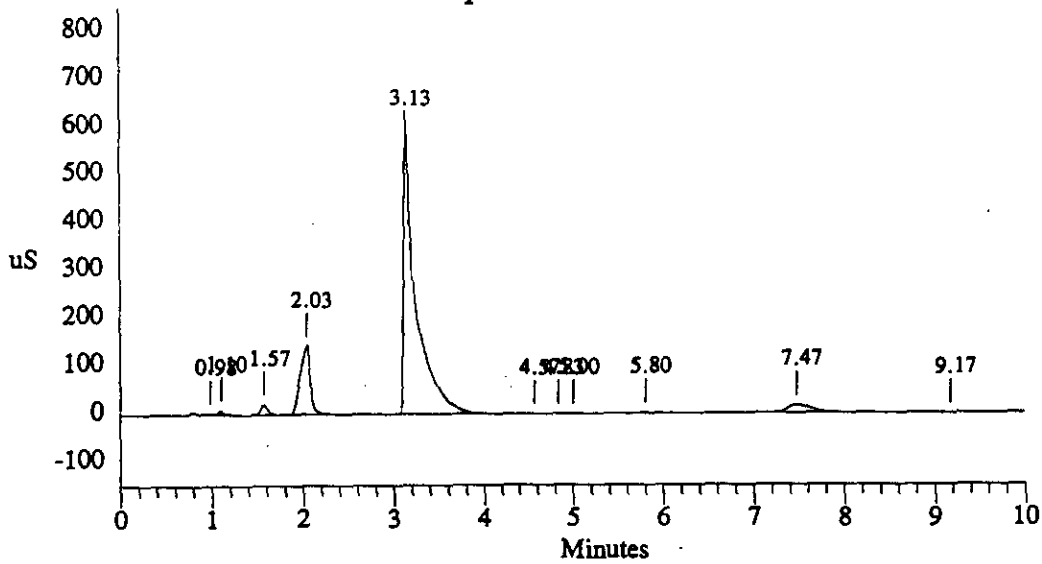
```
Sample Name: 95-7932-C4/SEG2  - A11          Date: 09/28/1995 13:39:13
Data File  : C:\DX\DATA\9509282\95092821.D08
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 8   Vial:A11        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.326	768947	2405197	1	4.26
2	1.10		0.000	7493684	35358097	1	
3	1.57	CHLORIDE	38.070	20575955	115367445	1	0.00
4	2.03	NITRITE	557.036	140198980	1106805146	1	3.41
5	3.13	BROMIDE	-37327.731	563412872	5597286514	1	5.38
6	4.57		0.000	119328	944409	1	
7	4.83		0.000	14584	52037	1	
8	5.00	PHOSPHATE	2.939	253079	812711	1	-2.95
9	5.80		0.000	2040041	29093336	1	
10	7.47	SULFATE	154.248	16968307	318631674	1	0.00
11	9.17		0.000	129964	1108821	1	
		Totals	-36574.113	751975741	7207865386		

File: 95092821.D08 Sample: 95-7932-C4/SEG2 - A11



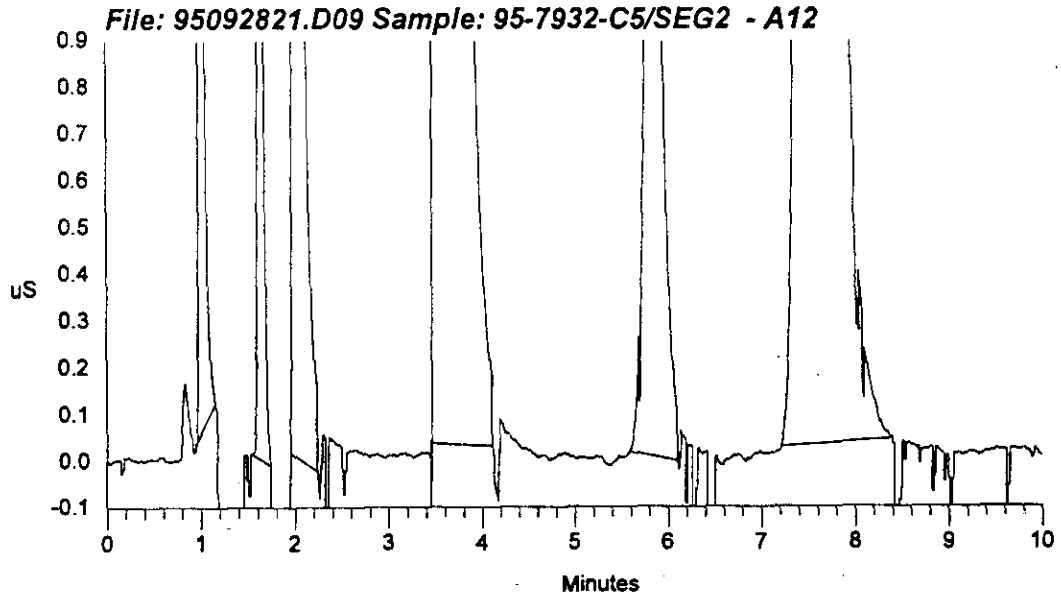
Data Reprocessed On 09/28/1995 18:57:39

Sample Name: 95-7932-C5/SEG2 - A12	Date: 09/28/1995 13:52:02
Data File : C:\DX\DATA\9509282\95092821.D09	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 9 Vial:A12	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00	FLUORIDE	3.910	3831875	14614132	1	1.69
2	1.63	CHLORIDE	4.871	2765153	11402596	1	0.00
3	2.03	NITRITE	41.209	17063237	76373708	1	-0.81
4	3.53	NITRATE	193.637	25089699	323149805	1	0.00
5	5.83	PHOSPHATE	30.609	1653204	21851127	1	0.41
6	7.57	SULFATE	140.498	16275650	287484637	1	0.00
		Totals	414.733	66678818	734876006		



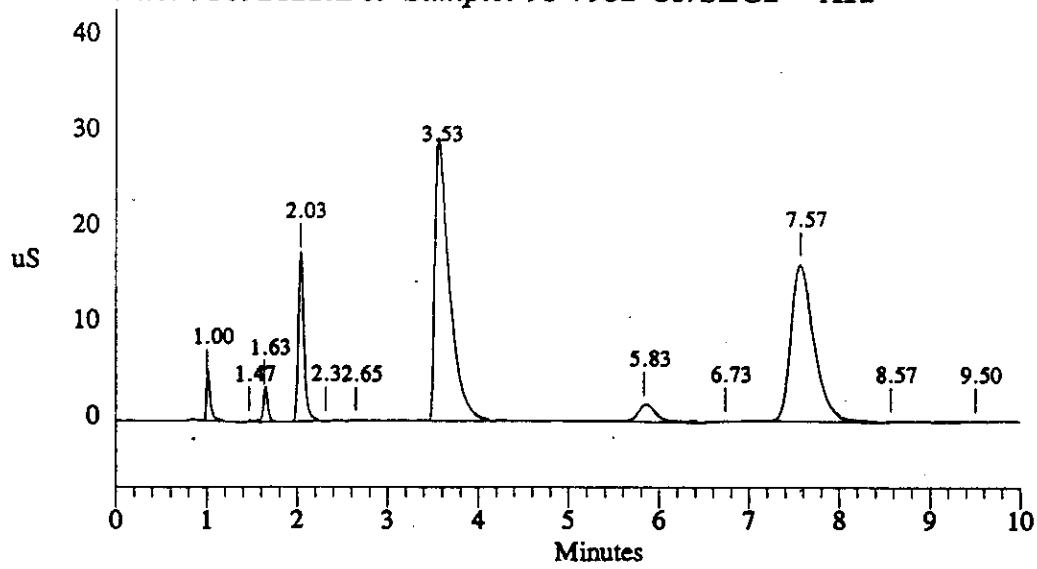
Sample Name: 95-7932-C5/SEG2 - A12 Date: 09/28/1995 13:52:02
Data File : C:\DX\DATA\9509282\95092821.D09
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 9 Vial:A12 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00	FLUORIDE	4.228	3893574	16116835	1	1.69
2	1.47		0.000	222358	1179218	2	
3	1.63	CHLORIDE	5.679	2962576	13763132	2	0.00
4	2.03	NITRITE	42.042	17190981	77995383	1	-0.81
5	2.32		0.000	125050	893711	1	
6	2.65		0.000	76686	1127271	1	
7	3.53	NITRATE	194.637	25120057	325050517	1	0.00
8	5.83	PHOSPHATE	38.362	1743662	27852676	1	0.41
9	6.73		0.000	71724	1852730	1	
10	7.57	SULFATE	143.925	16347865	295194758	1	0.00
11	8.57		0.000	154634	2451286	1	
12	9.50		0.000	90855	4528682	1	
		Totals	428.874	68000019	768006200		

File: 95092821.D09 Sample: 95-7932-C5/SEG2 - A12



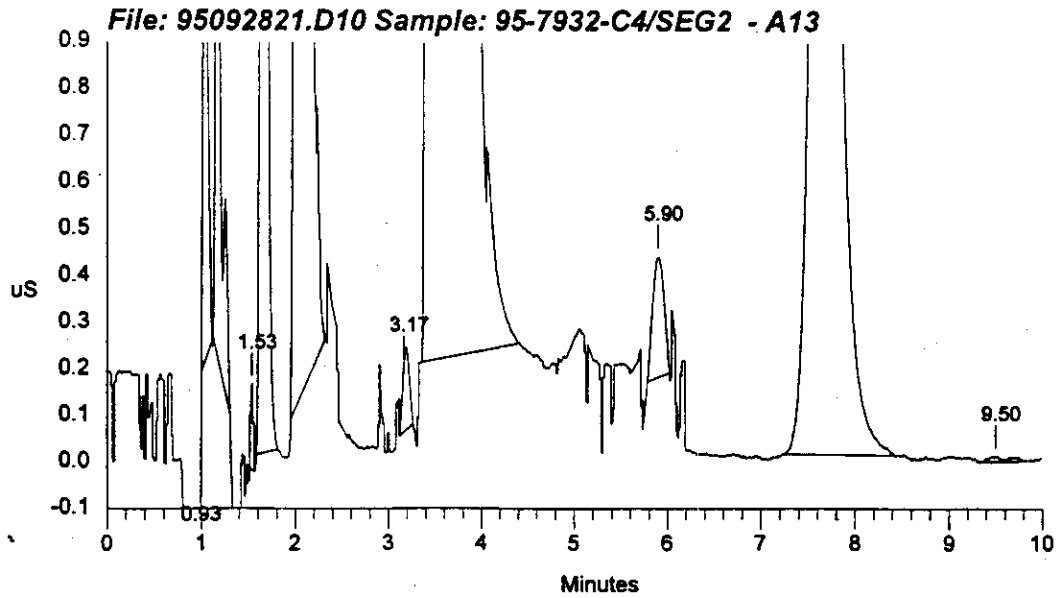
Data Reprocessed On 09/28/1995 19:02:54

Sample Name: 95-7932-C4/SEG2 - A13	Date: 09/28/1995 14:08:30
Data File : C:\DX\DATA\9509282\95092821.D10	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 10 Vial:A13	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	50	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93		0.000	53859	112162	1	
2	1.03	FLUORIDE	8.337	1133812	4018966	1	4.02
3	1.18		0.000	1201480	5592593	1	
4	1.53		0.000	182045	363402	1	
5	1.65	CHLORIDE	35.620	3773232	18000517	1	0.00
6	2.05	NITRITE	579.989	40672335	222516406	1	-1.01
7	3.17	BROMIDE	5.167	137163	852695	1	1.12
8	3.47	NITRATE	2182.661	73528602	923263013	1	0.00
9	5.90	PHOSPHATE	23.892	258022	2193261	1	3.51
10	7.67	SULFATE	149.726	2992366	55190130	1	0.00
11	9.50		0.000	9955	199506	1	
		Totals	2985.393	123942870	1232302651		



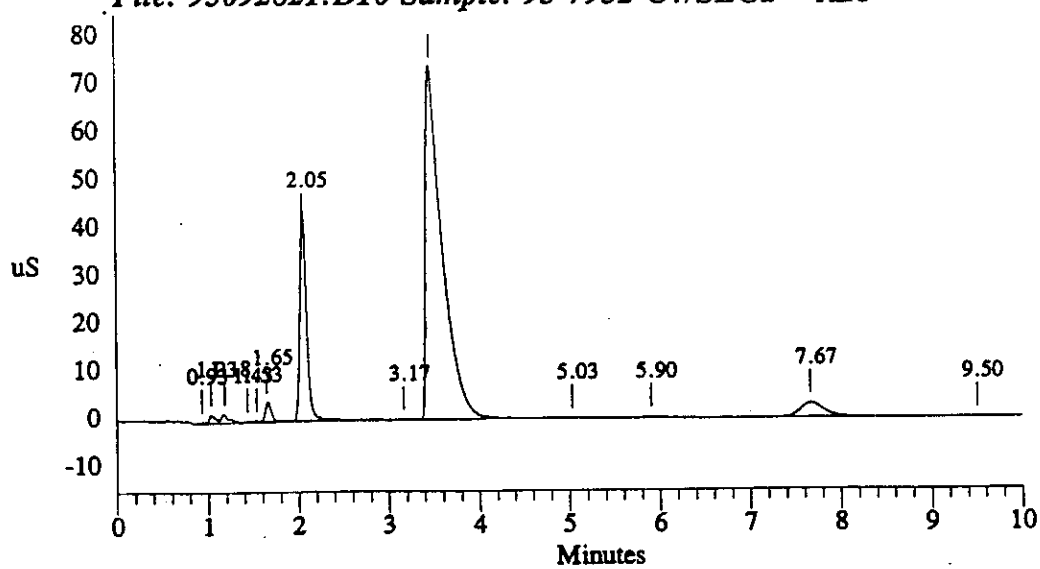
```
Sample Name: 95-7932-C4/SEG2  - A13          Date: 09/28/1995 14:08:30
Data File  : C:\DX\DATA\9509282\95092821.D10
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 10  Vial:A13        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	50	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93		0.000	234480	966693	2	
2	1.03	FLUORIDE	12.794	1740125	8228771	2	4.02
3	1.18		0.000	1742277	11174018	2	
4	1.43		0.000	219473	613757	2	
5	1.53		0.000	325039	1116028	2	
6	1.65	CHLORIDE	38.312	3898184	19585855	2	0.00
7	2.05	NITRITE	599.266	40800397	230078855	1	-1.01
8	3.17	BROMIDE	6.500	148577	1132349	1	1.12
9	3.47	NITRATE	2196.326	73696941	933004713	1	0.00
10	5.03		0.000	85675	3547027	1	
11	5.90	PHOSPHATE	24.904	322301	2345304	1	3.51
12	7.67	SULFATE	151.948	3002752	56068297	1	0.00
13	9.50		0.000	9955	199506	1	
		Totals	3030.051	126226175	1268061175		

File: 95092821.D10 Sample: 95-7932-C4/SEG2 - A13



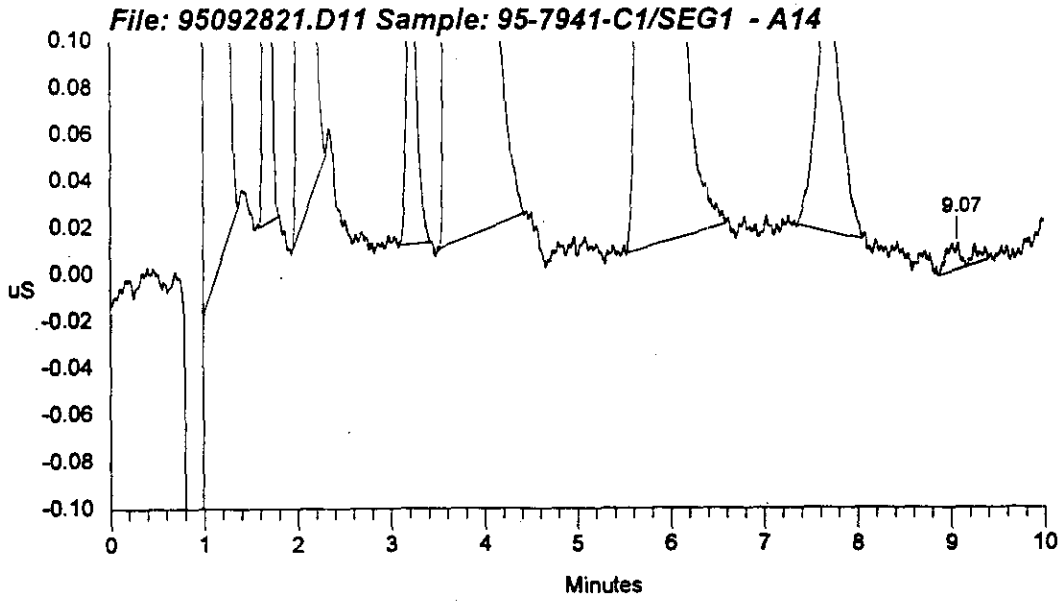
Data Reprocessed On 09/28/1995 19:05:00

Sample Name: 95-7941-C1/SEG1 - A14	Date: 09/28/1995 14:24:58
Data File : C:\DX\DATA\9509282\95092821.D11	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 11 Vial:A14	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	50	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.03	FLUORIDE	59.271	14729774	52242550	1	2.98
2	1.67	CHLORIDE	9.465	689527	2767831	1	0.00
3	2.05	NITRITE	77.952	5124488	26553563	1	-2.00
4	3.20	BROMIDE	5.867	127230	999533	1	1.16
5	3.63	NITRATE	554.265	15119969	174583948	1	0.00
6	5.80	PHOSPHATE	638.854	7526457	100900750	1	-2.91
7	7.67	SULFATE	13.082	105564	1946332	1	0.00
8	9.07		0.000	8956	163320	1	
		Totals	1358.757	43431965	360157828		



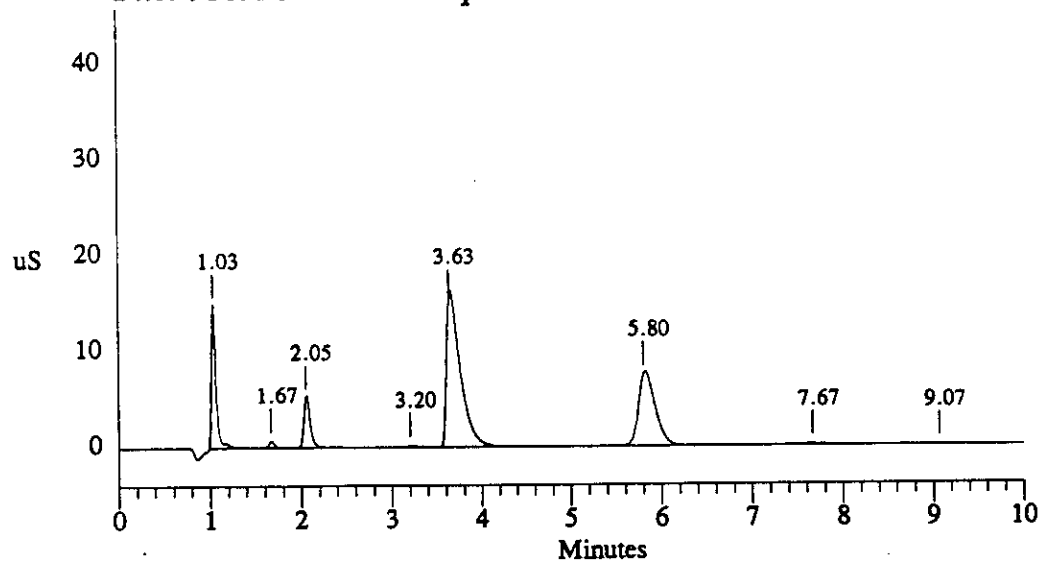
```
Sample Name: 95-7941-C1/SEG1  - A14          Date: 09/28/1995 14:24:58
Data File  : C:\DX\DATA\9509282\95092821.D11
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 11  Vial:A14        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	50	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.03	FLUORIDE	59.271	14729774	52242550	1	2.98
2	1.67	CHLORIDE	9.665	694022	2882961	1	0.00
3	2.05	NITRITE	80.211	5136054	27431049	1	-2.00
4	3.20	BROMIDE	6.224	129840	1074289	1	1.16
5	3.63	NITRATE	556.155	15122521	175227465	1	0.00
6	5.80	PHOSPHATE	640.539	7528689	101191023	1	-2.91
7	7.67	SULFATE	13.248	106455	2009904	1	0.00
8	9.07		0.000	8956	163320	1	
		Totals	1365.311	43456312	362222560		

File: 95092821.D11 Sample: 95-7941-C1/SEG1 - A14



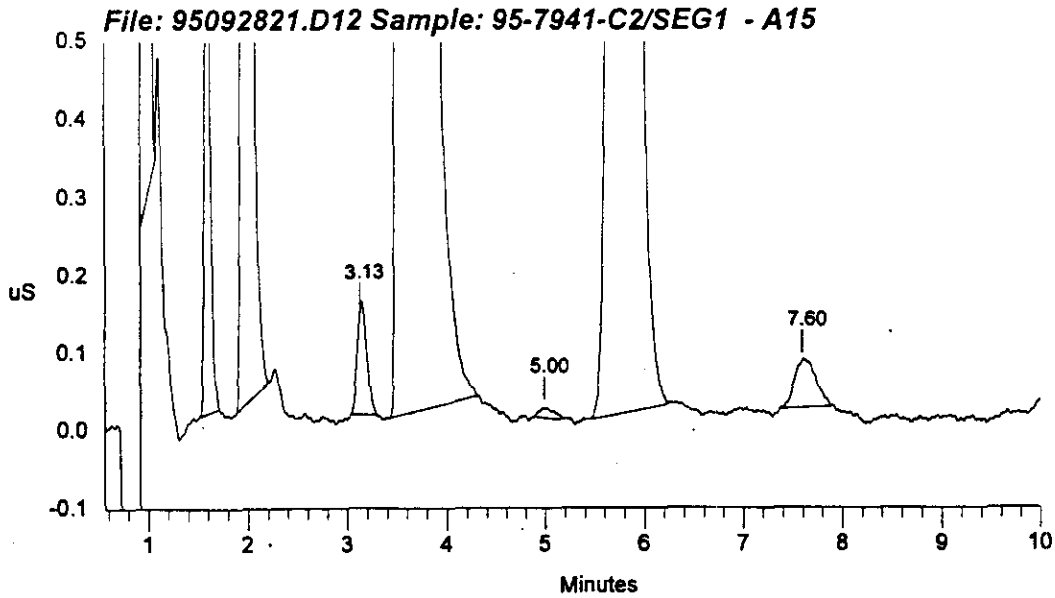
Data Reprocessed On 09/28/1995 19:05:53

Sample Name: 95-7941-C2/SEG1 - A15	Date: 09/28/1995 14:41:25
Data File : C:\DX\DATA\9509282\95092821.D12	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 12 Vial:A15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	50	3000	5Hz	0.57	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	44.101	11564523	37853802	1	0.35
2	1.60	CHLORIDE	9.552	690208	2818176	1	0.00
3	1.98	NITRITE	77.945	5149198	26550938	1	-1.24
4	3.13	BROMIDE	5.684	128798	961028	1	3.18
5	3.57	NITRATE	657.866	19585681	210296097	1	0.00
6	5.00		0.000	11534	137048	1	
7	5.77	PHOSPHATE	517.111	6253173	80247509	1	-1.67
8	7.60	SULFATE	10.446	58509	933200	1	0.00
		Totals	1322.706	43441623	359797796		



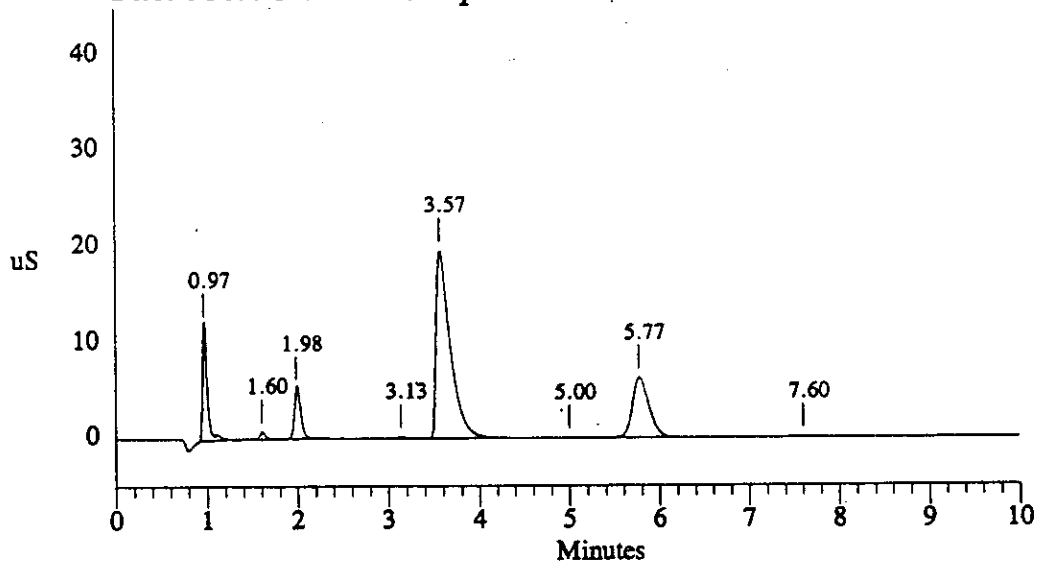
Sample Name: 95-7941-C2/SEG1 - A15 Date: 09/28/1995 14:41:25
Data File : C:\DX\DATA\9509282\95092821.D12
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 12 Vial:A15 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	50	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	52.335	11990103	45660993	2	0.35
2	1.60	CHLORIDE	11.958	738093	4206597	2	0.00
3	1.98	NITRITE	77.945	5149198	26550938	1	-1.24
4	3.13	BROMIDE	6.302	135897	1090673	1	3.18
5	3.57	NITRATE	661.497	19591764	211564260	1	0.00
6	5.00		0.000	17814	300048	1	
7	5.77	PHOSPHATE	521.178	6261303	80927540	1	-1.67
8	7.60	SULFATE	12.270	72592	1633985	1	0.00
		Totals	1343.485	43956763	371935034		

File: 95092821.D12 Sample: 95-7941-C2/SEG1 - A15



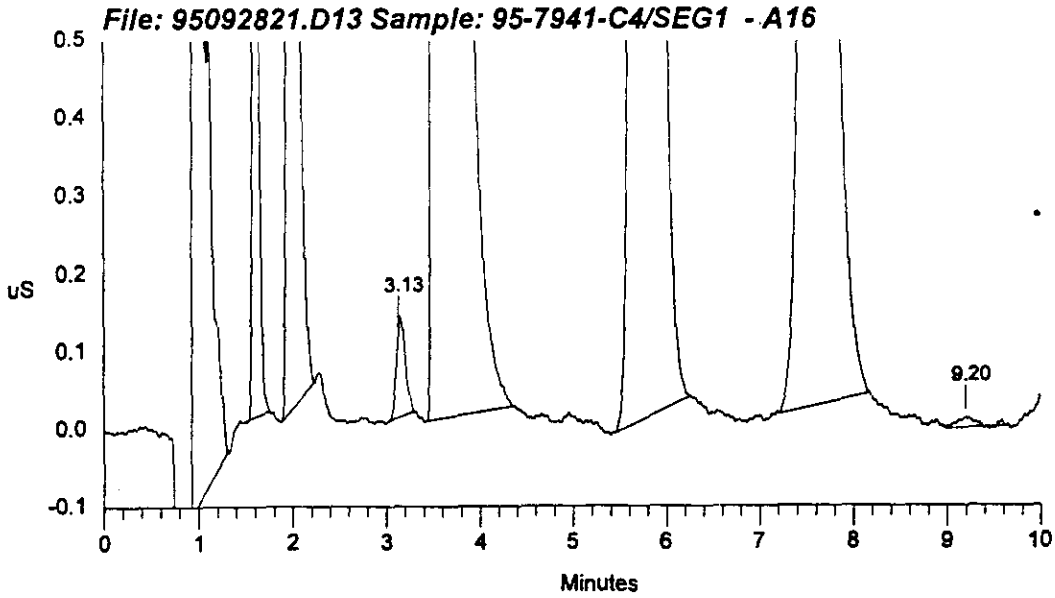
Data Reprocessed On 09/28/1995 19:10:47

Sample Name: 95-7941-C4/SEG1 - A16	Date: 09/28/1995 14:57:54
Data File : C:\DX\DATA\9509282\95092821.D13	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 13 Vial:A16	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	50	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	75.708	15664909	67857404	1	0.35
2	1.60	CHLORIDE	13.129	1083522	4883510	1	0.00
3	2.00	NITRITE	115.308	8495072	41069905	1	-0.41
4	3.13	BROMIDE	5.169	114932	853080	1	3.18
5	3.57	NITRATE	738.023	22005519	238561405	1	0.00
6	5.73	PHOSPHATE	763.136	9399723	122657796	1	-2.24
7	7.60	SULFATE	141.139	2820689	51801131	1	0.00
8	9.20		0.000	12702	191051	1	
		Totals	1851.612	59597069	527875282		



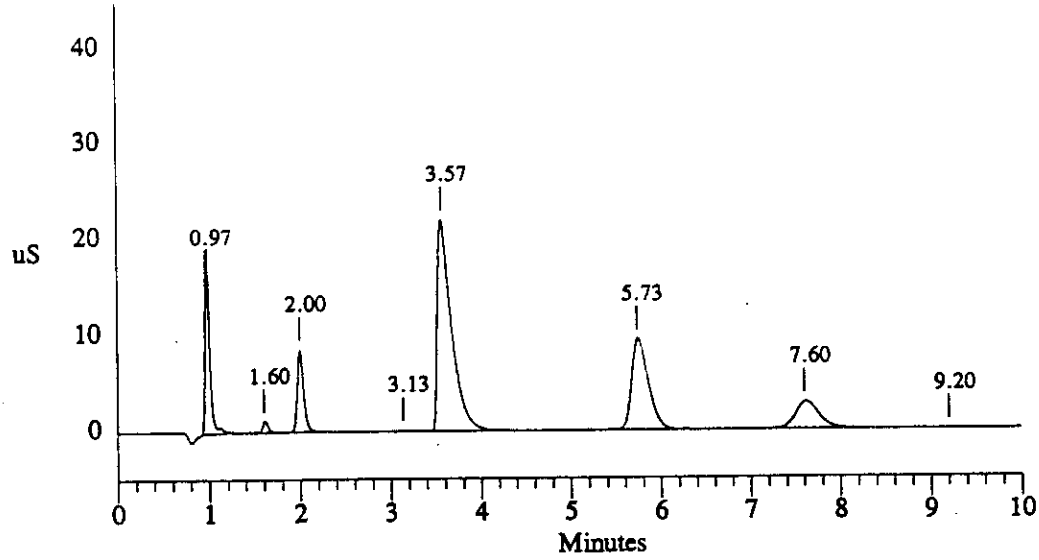
Sample Name: 95-7941-C4/SEG1 - A16 Date: 09/28/1995 14:57:54
Data File : C:\DX\DATA\9509282\95092821.D13
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 13 Vial:A16 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	50	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	76.126	15668396	68254949	2	0.35
2	1.60	CHLORIDE	15.224	1125330	6095551	2	0.00
3	2.00	NITRITE	115.308	8495072	41069905	1	-0.41
4	3.13	BROMIDE	6.033	121983	1034343	1	3.18
5	3.57	NITRATE	739.721	22008083	239166585	1	0.00
6	5.73	PHOSPHATE	772.402	9416063	124308922	1	-2.24
7	7.60	SULFATE	144.077	2833593	52960278	1	0.00
8	9.20		0.000	12702	191051	1	
		Totals	1868.891	59681222	533081584		

File: 95092821.D13 Sample: 95-7941-C4/SEG1 - A16



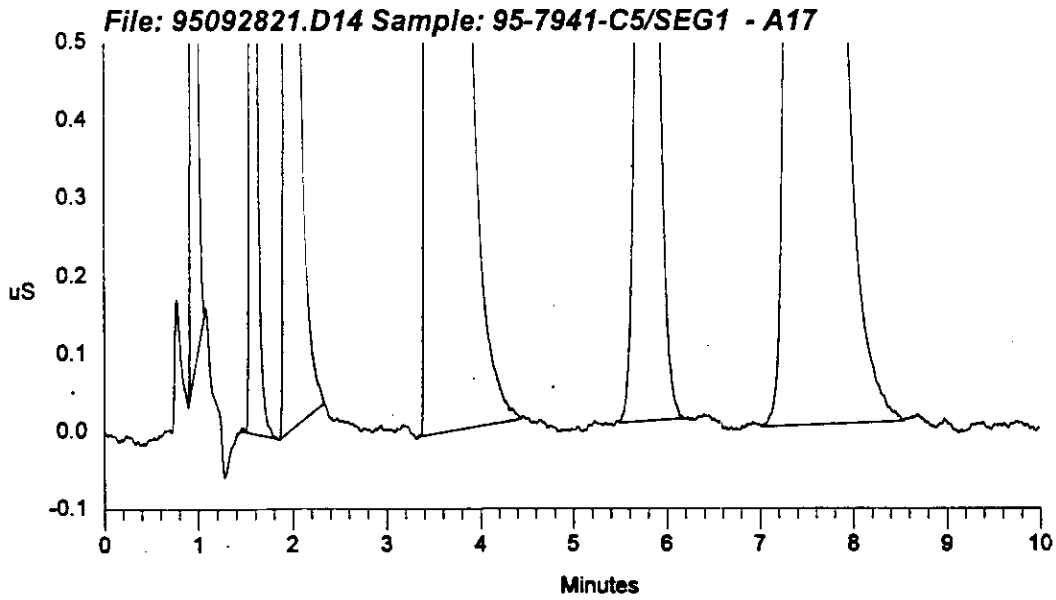
Data Reprocessed On 09/28/1995 19:11:16

Sample Name: 95-7941-C5/SEG1 - A17	Date: 09/28/1995 15:10:43
Data File : C:\DX\DATA\9509282\95092821.D14	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 14 Vial:A17	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	4.631	6744942	18025113	1	-0.34
2	1.58	CHLORIDE	5.749	3978156	13966641	1	0.00
3	1.97	NITRITE	43.764	17207697	81349563	1	-1.04
4	3.47	NITRATE	203.533	27878043	342068269	1	0.00
5	5.77	PHOSPHATE	32.652	1729354	23428013	1	1.17
6	7.50	SULFATE	146.675	16872771	301407698	1	0.00
		Totals	437.005	74410962	780245297		



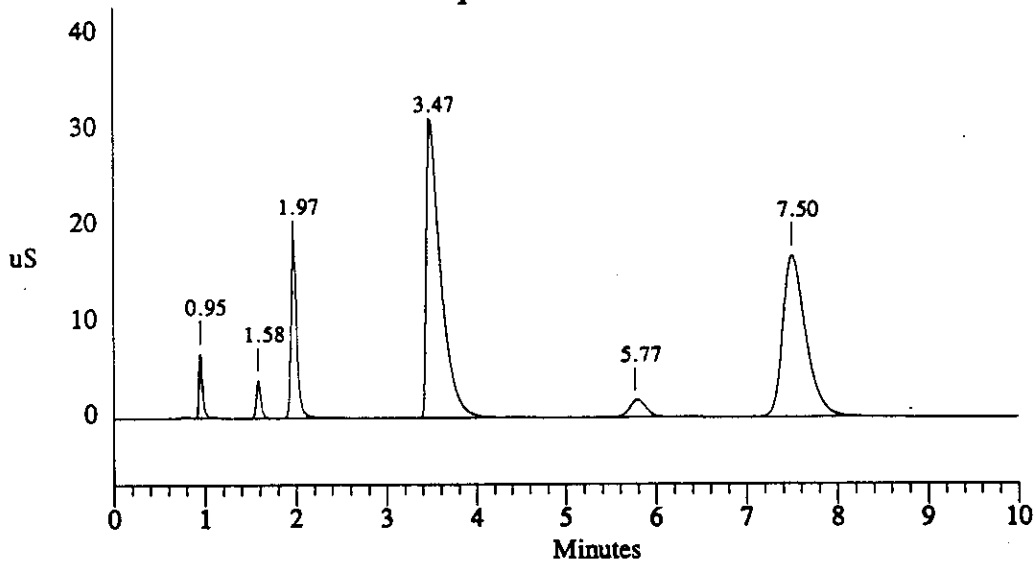
```
Sample Name: 95-7941-C5/SEG1  - A17          Date: 09/28/1995 15:10:43
Data File  : C:\DX\DATA\9509282\95092821.D14
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 14  Vial:A17        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	4.834	6779394	18982296	1	-0.34
2	1.58	CHLORIDE	6.034	4007972	14800091	1	0.00
3	1.97	NITRITE	44.295	17217730	82382778	1	-1.04
4	3.47	NITRATE	204.050	27883247	343064504	1	0.00
5	5.77	PHOSPHATE	33.119	1734522	23789038	1	1.17
6	7.50	SULFATE	146.675	16872771	301407698	1	0.00
		Totals	439.007	74495637	784426404		

File: 95092821.D14 Sample: 95-7941-C5/SEG1 - A17



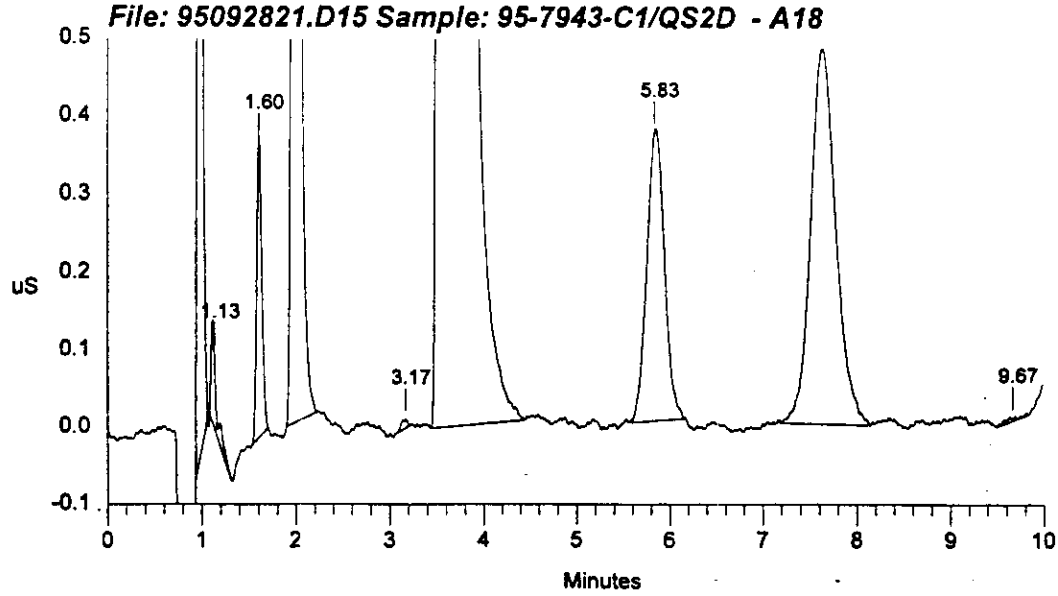
Data Reprocessed On 09/28/1995 19:11:39

Sample Name: 95-7943-C1/QS2D - A18	Date: 09/28/1995 15:27:11
Data File : C:\DX\DATA\9509282\95092821.D15	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 15 Vial:A18	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	200	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	44.996	2102379	6769223	1	0.35
2	1.13		0.000	95198	487674	1	
3	1.60	CHLORIDE	28.958	376598	1485580	1	0.00
4	1.98	NITRITE	212.639	3237568	16924907	1	-1.24
5	3.17	BROMIDE	5.448	9955	55411	1	4.28
6	3.57	NITRATE	2635.533	19594426	210651146	1	0.00
7	5.83	PHOSPHATE	169.848	370161	4988866	1	-0.53
8	7.63	SULFATE	126.544	484181	9091912	1	0.0(
9	9.67		0.000	2777	57494	1	
		Totals	3223.966	26273244	250512213		



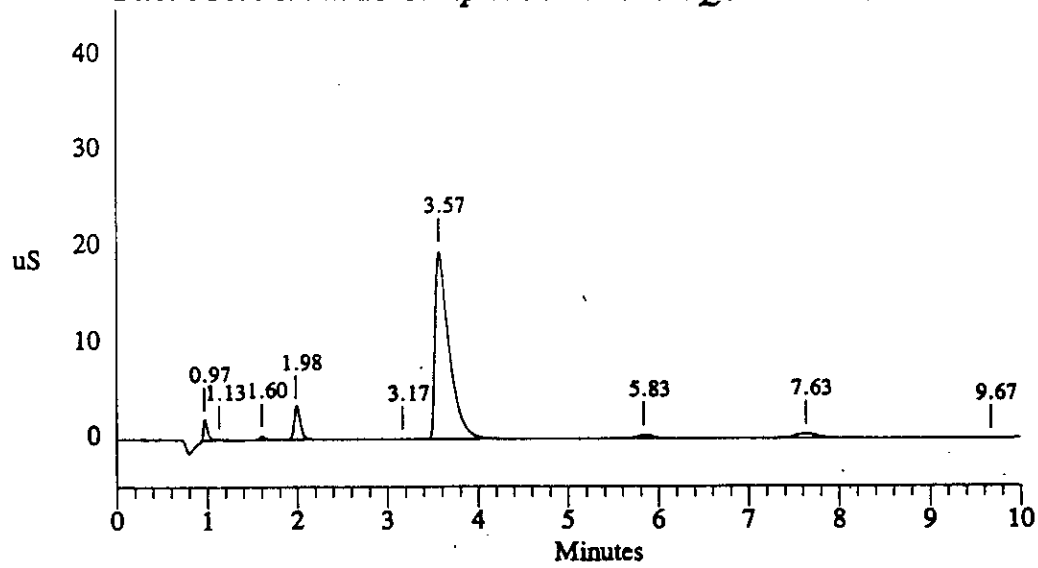
Sample Name: 95-7943-C1/QS2D - A18 Date: 09/28/1995 15:27:11
Data File : C:\DX\DATA\9509282\95092821.D15
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 15 Vial:A18 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	200	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	46.679	2121378	7166723	3	0.35
2	1.13		0.000	156655	1030357	4	
3	1.60	CHLORIDE	33.327	401997	2114613	1	0.00
4	1.98	NITRITE	220.488	3255297	17686856	1	-1.24
5	3.17	BROMIDE	7.235	16287	148918	1	4.28
6	3.57	NITRATE	2639.685	19595318	211013691	1	0.00
7	5.83	PHOSPHATE	175.548	375070	5203814	1	-0.53
8	7.63	SULFATE	126.544	484181	9091912	1	0.00
9	9.67		0.000	2777	57494	1	
		Totals	3249.507	26408960	253514378		

File: 95092821.D15 Sample: 95-7943-C1/QS2D - A18



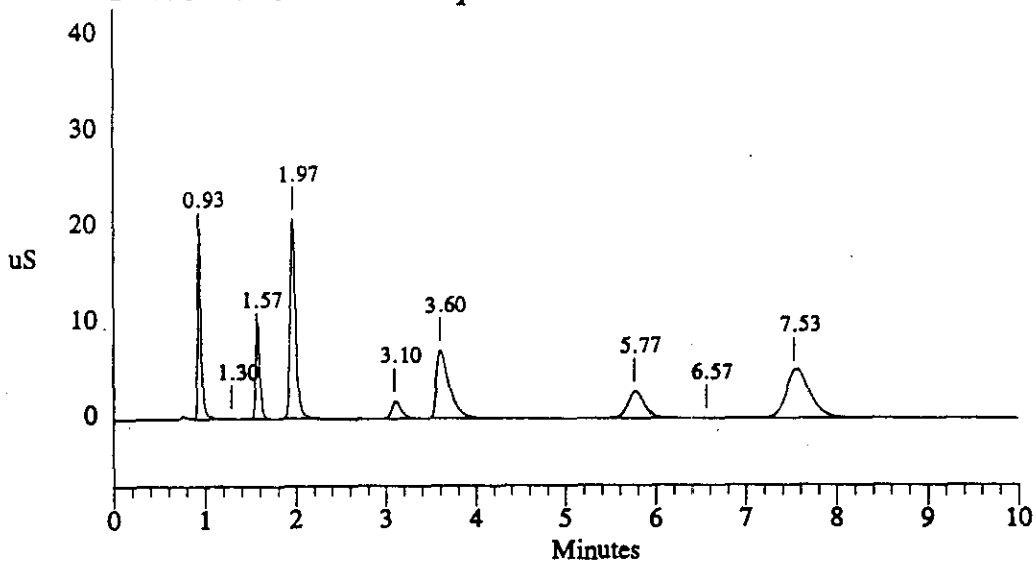
Sample Name: A950609V1/LO - A04 Date: 09/28/1995 15:39:48
Data File : C:\DX\DATA\9509282\95092821.D16
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 16 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00		30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	23.572	18088478	51919668	2	-1.05
2	1.30		0.000	56756	315214	2	
3	1.57	CHLORIDE	23.913	7640666	32353663	1	0.00
4	1.97	NITRITE	97.460	20794638	91022504	1	0.02
5	3.10	BROMIDE	25.715	1816386	13481302	1	4.26
6	3.60	NITRATE	95.054	7071567	70542707	1	0.00
7	5.77	PHOSPHATE	97.765	2794145	36073469	1	-2.58
8	6.57		0.000	9937	163189	1	
9	7.53	SULFATE	98.075	4965423	93274395	1	0.00
		Totals	461.555	63237996	389146112		

File: 95092821.D16 Sample: A950609V1/LO - A04



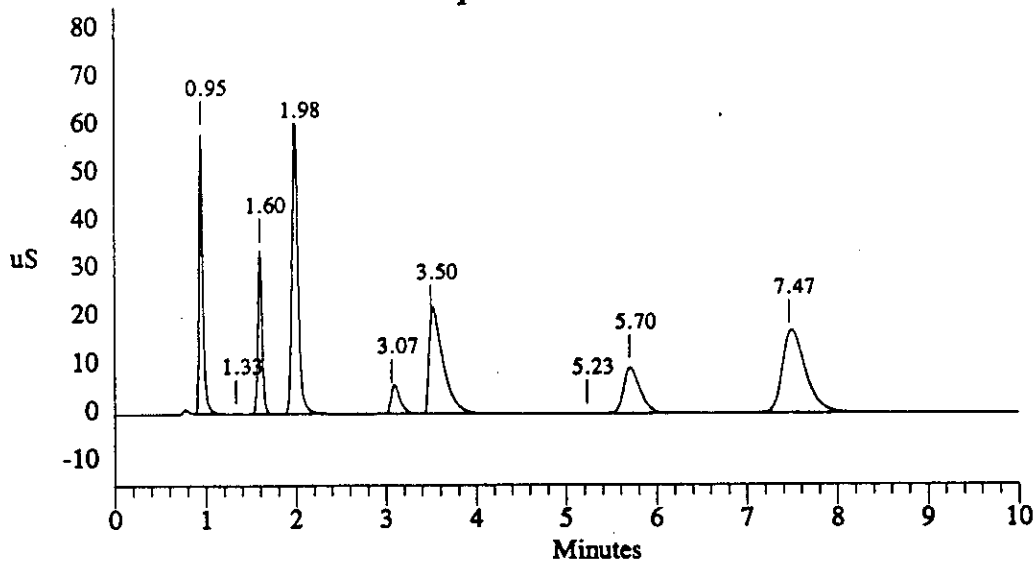
Sample Name: A950609V2/MID - A04 Date: 09/28/1995 15:52:49
Data File : C:\DX\DATA\9509282\95092821.D17
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 17 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	15	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	23.839	58263362	166380384	1	-1.38
2	1.33		0.000	132082	755566	1	
3	1.60	CHLORIDE	24.784	33845562	112352087	1	0.00
4	1.98	NITRITE	98.998	53848897	286353368	1	-1.24
5	3.07	BROMIDE	25.221	4435234	41846200	1	0.99
6	3.50	NITRATE	97.153	19777019	235225688	1	0.00
7	5.23		0.000	15498	124460	1	
8	5.70	PHOSPHATE	100.137	9448687	120505846	1	-0.95
9	7.47	SULFATE	99.697	16600958	307915772	1	0.00
		Totals	469.829	196367299	1271459371		

File: 95092821.D17 Sample: A950609V2/MID - A04



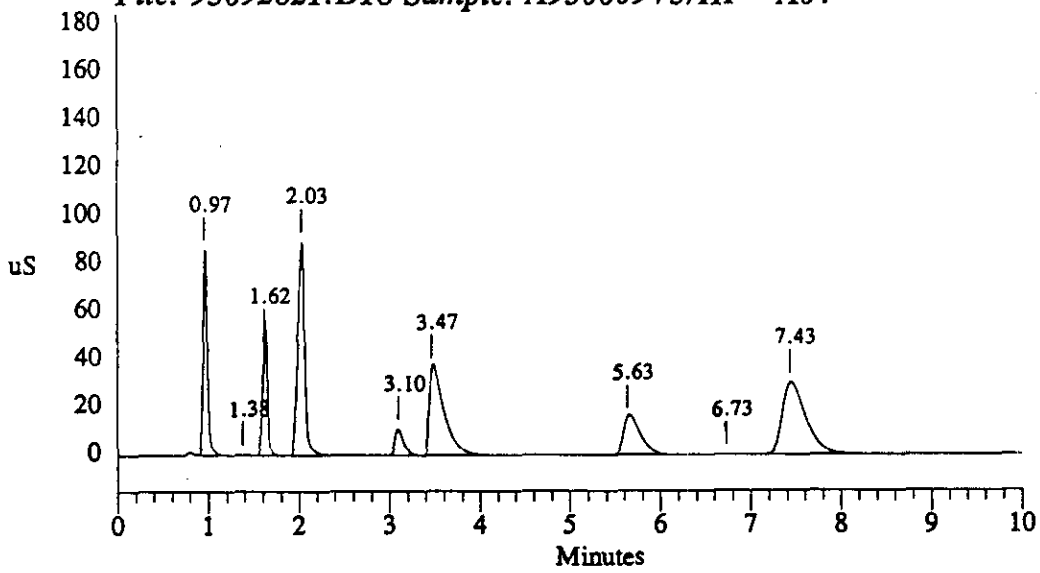
Sample Name: A950609V3/HI - A04 Date: 09/28/1995 16:06:14
Data File : C:\DX\DATA\9509282\95092821.D18
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 18 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	24.259	86194874	286725232	1	-0.68
2	1.38		0.000	179856	942146	1	
3	1.62	CHLORIDE	24.941	47555653	203452258	1	0.00
4	2.03	NITRITE	99.103	89727228	482589235	1	0.21
5	3.10	BROMIDE	25.300	11091587	73682735	1	1.03
6	3.47	NITRATE	97.977	36565977	424478603	1	0.00
7	5.63	PHOSPHATE	101.002	15632428	218574625	1	-1.17
8	6.73		0.000	10265	147801	1	
9	7.43	SULFATE	100.676	30352031	558655679	1	0.00
		Totals	473.259	317309899	2249248312		

File: 95092821.D18 Sample: A950609V3/HI - A04



Data Reprocessed On 09/28/1995 19:12:57

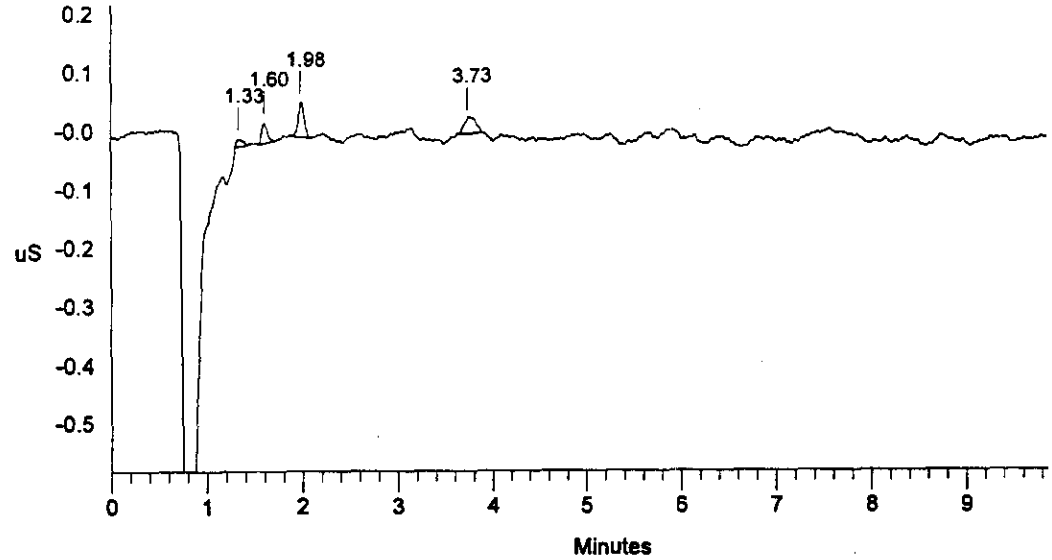
Sample Name: A9509282B2 - A02	Date: 09/28/1995 16:22:42
Data File : C:\DX\DATA\9509282\95092821.D19	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 19 Vial:A02	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	9.86	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	12254	62894	1	
2	1.60	CHLORIDE	0.098	35315	147893	1	0.00
3	1.98	NITRITE	0.204	57218	260077	1	-1.24
4	3.73	NITRATE	0.224	23814	239803	1	0.00
		Totals	0.527	128602	710667		

File: 95092821.D19 Sample: A9509282B2 - A02

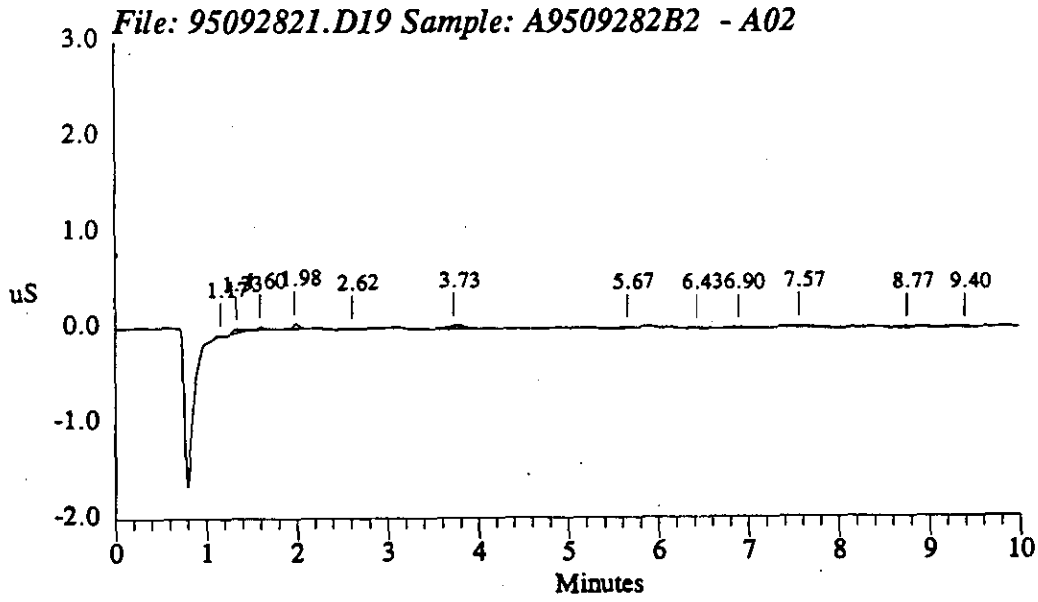


Sample Name: A9509282B2 - A02 Date: 09/28/1995 16:22:42
Data File : C:\DX\DATA\9509282\95092821.D19
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 19 Vial:A02 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17		0.000	13680	38098	1	
2	1.33		0.000	41735	295171	1	
3	1.60	CHLORIDE	0.098	35000	140600	1	0.00
4	1.98	NITRITE	0.204	56475	249691	1	-1.24
5	2.62		0.000	11131	124259	1	
6	3.73	NITRATE	0.247	38834	590952	1	0.00
7	5.67		0.000	11546	102303	1	
8	6.43	PHOSPHATE	0.207	13586	163045	1	4.80
9	6.90		0.000	10752	228906	1	
10	7.57	SULFATE	0.183	19919	434524	1	0.00
11	8.77		0.000	16191	211297	1	
12	9.40		0.000	8765	194259	1	
		Totals	0.939	277614	2773104		



Data Reprocessed On 09/28/1995 19:20:05

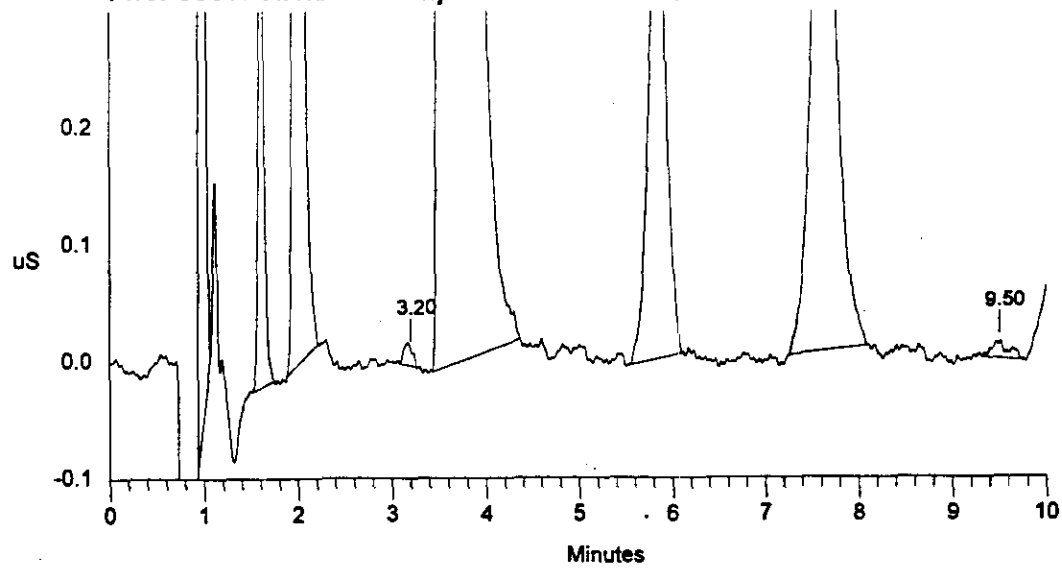
Sample Name: 95-7943-C2/QS2D - A19	Date: 09/28/1995 16:39:11
Data File : C:\DX\DATA\9509282\95092821.D20	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 20 Vial:A19	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	200	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	50.142	2487257	7984560	1	0.35
2	1.60	CHLORIDE	31.606	441090	1866772	1	0.00
3	1.98	NITRITE	226.861	3473323	18305500	1	-1.24
4	3.20	BROMIDE	6.752	12737	123598	1	5.38
5	3.53	NITRATE	3044.725	19729474	246836288	1	0.00
6	5.83	PHOSPHATE	180.249	403711	5381138	1	0.41
7	7.63	SULFATE	132.609	526623	9677046	1	0.00
8	9.50		0.000	12869	178547	1	
		Totals	3672.944	27087084	290353448		

File: 95092821.D20 Sample: 95-7943-C2/QS2D - A19



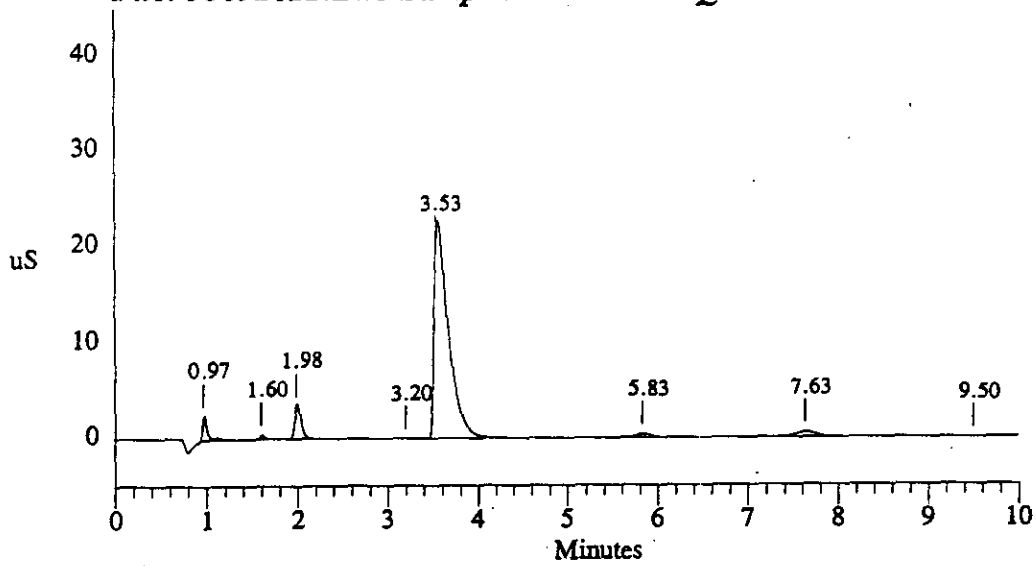
Sample Name: 95-7943-C2/QS2D - A19 Date: 09/28/1995 16:39:11
Data File : C:\DX\DATA\9509282\95092821.D20
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 20 Vial:A19 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	200	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	57.749	2510799	9781470	1	0.35
2	1.60	CHLORIDE	36.405	467234	2558057	1	0.00
3	1.98	NITRITE	227.219	3475671	18340311	1	-1.24
4	3.20	BROMIDE	6.869	13573	129739	1	5.38
5	3.53	NITRATE	3053.407	19731458	247614401	1	0.00
6	5.83	PHOSPHATE	187.858	409361	5668213	1	0.41
7	7.63	SULFATE	137.826	535337	10180396	1	0.00
8	9.50		0.000	12869	178547	1	
		Totals	3707.332	27156303	294451134		

File: 95092821.D20 Sample: 95-7943-C2/QS2D - A19



Data Reprocessed On 09/28/1995 19:20:53

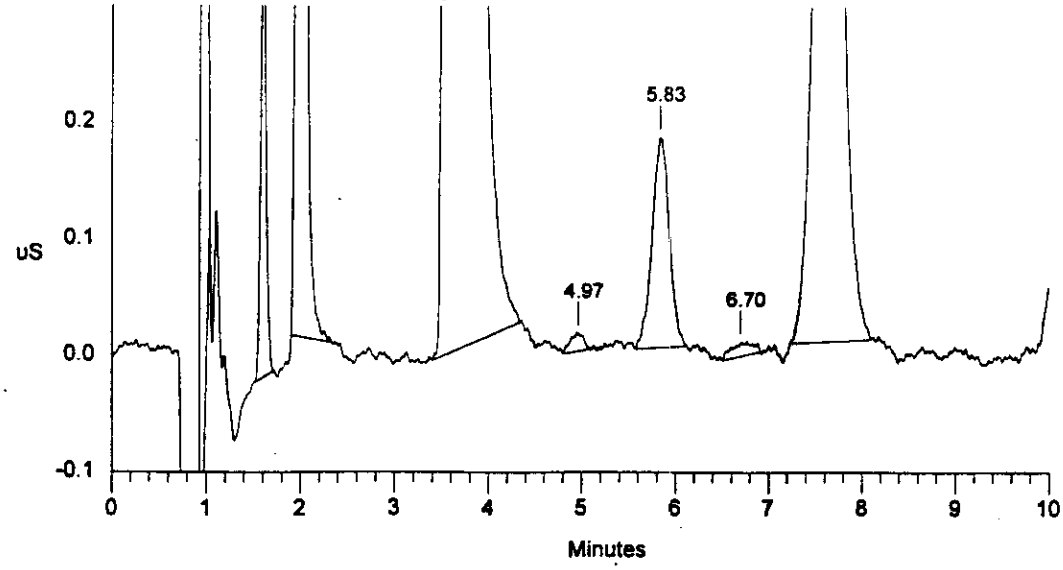
Sample Name: 95-7944-C1/QS3A - A20	Date: 09/28/1995 16:55:39
Data File : C:\DX\DATA\9509282\95092821.D21	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 21 Vial:A20	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	200	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	57.990	3214615	9838371	1	0.35
2	1.60	CHLORIDE	29.418	391560	1551904	1	0.00
3	1.98	NITRITE	194.520	3049845	15166232	1	-1.24
4	3.57	NITRATE	2379.925	17425495	188512621	1	0.00
5	4.97		0.000	14300	149397	1	
6	5.83	PHOSPHATE	98.887	180117	2317882	1	-0.53
7	6.70		0.000	11280	194956	1	
8	7.60	SULFATE	196.764	864129	15876679	1	0.00
		Totals	2957.504	25151340	233608042		

File: 95092821.D21 Sample: 95-7944-C1/QS3A - A20



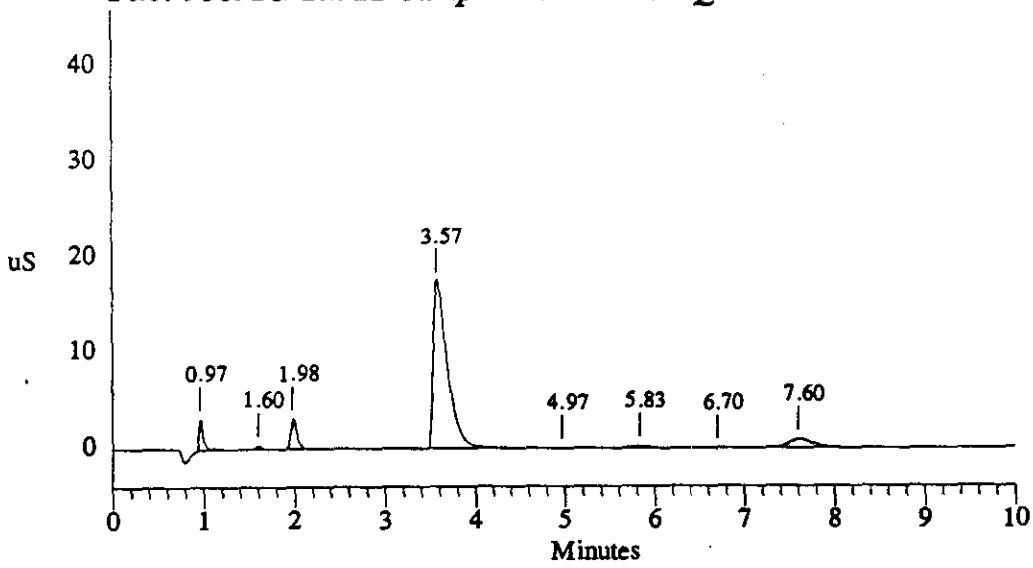
```
==================================================================================
| Sample Name: 95-7944-C1/QS3A  - A20          Date: 09/28/1995 16:55:39          |
| Data File  : C:\DX\DATA\9509282\95092821.D21                                   |
| Method     : c:\dx\method\2anions2.met                                         |
| ACI Address: 1  System: 2  Inject#: 21  Vial:A20          Detector:PED-Cond.   |
| Analyst    : MMO              Column: AG4A/AS4A                                |
==================================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	200	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	67.061	3211325	11981559	2	0.35
2	1.60	CHLORIDE	33.495	413445	2138798	2	0.00
3	1.98	NITRITE	202.081	3073890	15900158	1	-1.24
4	3.57	NITRATE	2390.040	17431404	189382204	1	0.00
5	4.97		0.000	14300	149397	1	
6	5.83	PHOSPHATE	99.329	180582	2334514	1	-0.53
7	6.70		0.000	14088	352006	1	
8	7.60	SULFATE	206.613	878790	16830173	1	0.00
		Totals	2998.620	25217823	239068809		

File: 95092821.D21 Sample: 95-7944-C1/QS3A - A20



Data Reprocessed On 09/28/1995 19:21:14

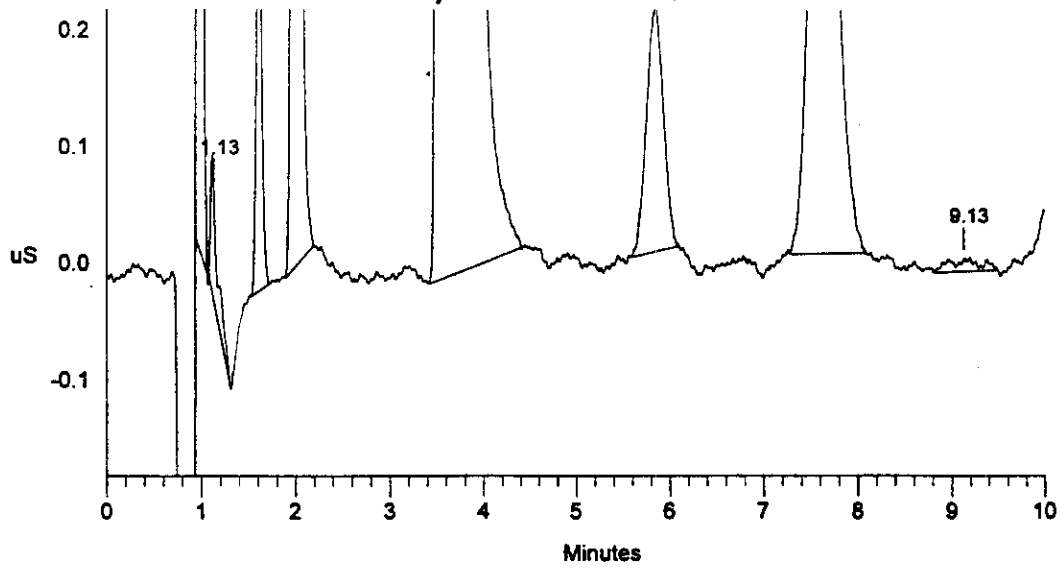
Sample Name: 95-7944-C2/QS3A - A21	Date: 09/28/1995 17:12:08
Data File : C:\DX\DATA\9509282\95092821.D22	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 22 Vial:A21	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	200	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	47.425	2231666	7342724	1	0.35
2	1.13		0.000	93783	550996	1	
3	1.60	CHLORIDE	28.920	350020	1480239	1	0.00
4	2.00	NITRITE	168.973	2634100	12686751	1	-0.41
5	3.57	NITRATE	3059.736	22698032	248181952	1	0.00
6	5.83	PHOSPHATE	108.145	205961	2665859	1	-0.53
7	7.63	SULFATE	156.325	669552	11966591	1	0.00
8	9.13		0.000	10610	265066	1	
		Totals	3569.525	28893724	285140178		

File: 95092821.D22 Sample: 95-7944-C2/QS3A - A21



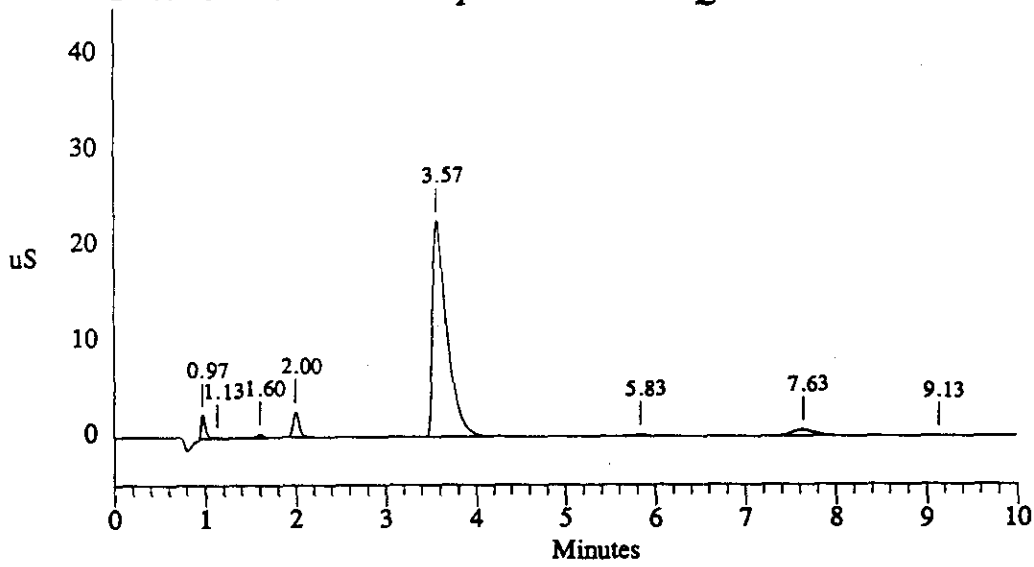
```
Sample Name: 95-7944-C2/QS3A  - A21          Date: 09/28/1995 17:12:08
Data File  : C:\DX\DATA\9509282\95092821.D22
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 22  Vial:A21        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	200	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	52.160	2364544	8461089	3	0.35
2	1.13		0.000	153918	1053542	4	
3	1.60	CHLORIDE	34.263	379899	2249395	1	0.00
4	2.00	NITRITE	175.788	2644968	13348171	1	-0.41
5	3.57	NITRATE	3069.364	22701102	249045711	1	0.00
6	5.83	PHOSPHATE	118.783	215738	3065838	1	-0.53
7	7.63	SULFATE	161.654	678318	12481337	1	0.00
8	9.13		0.000	10610	265066	1	
		Totals	3612.011	29149095	289970149		

File: 95092821.D22 Sample: 95-7944-C2/QS3A - A21



Data Reprocessed On 09/28/1995 19:22:19

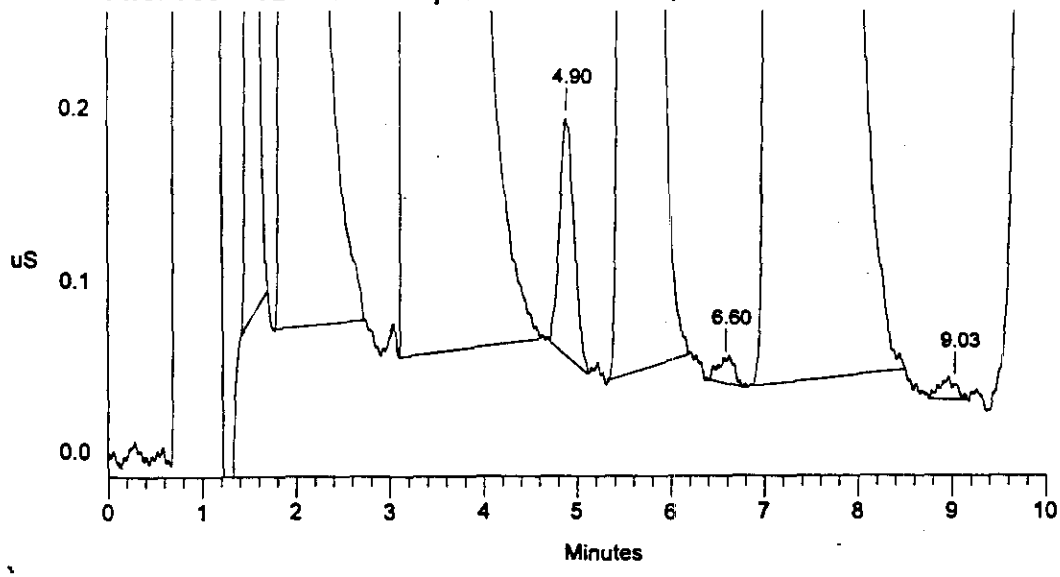
Sample Name: 95-7945-C1/QS4A - A22	Date: 09/28/1995 17:24:57
Data File : C:\DX\DATA\9509282\95092821.D23	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 23 Vial:A22	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.90	FLUORIDE	66.828	75000541	316845117	1	-1.43
2	1.52	CHLORIDE	11.055	6597431	29654289	1	0.00
3	1.95	NITRITE	300.829	94507630	588307460	1	2.44
4	3.20	NITRATE	510.208	141394949	1962512385	1	0.00
5	4.90		0.000	137252	1496543	1	
6	5.60	PHOSPHATE	185.061	11756690	152186470	1	6.43
7	6.60		0.000	12954	184249	1	
8	7.23	SULFATE	451.147	61778193	1265853461	1	0.00
9	9.03		0.000	8901	150599	1	
		Totals	1525.127	391194541	4317190573		

File: 95092821.D23 Sample: 95-7945-C1/QS4A - A22



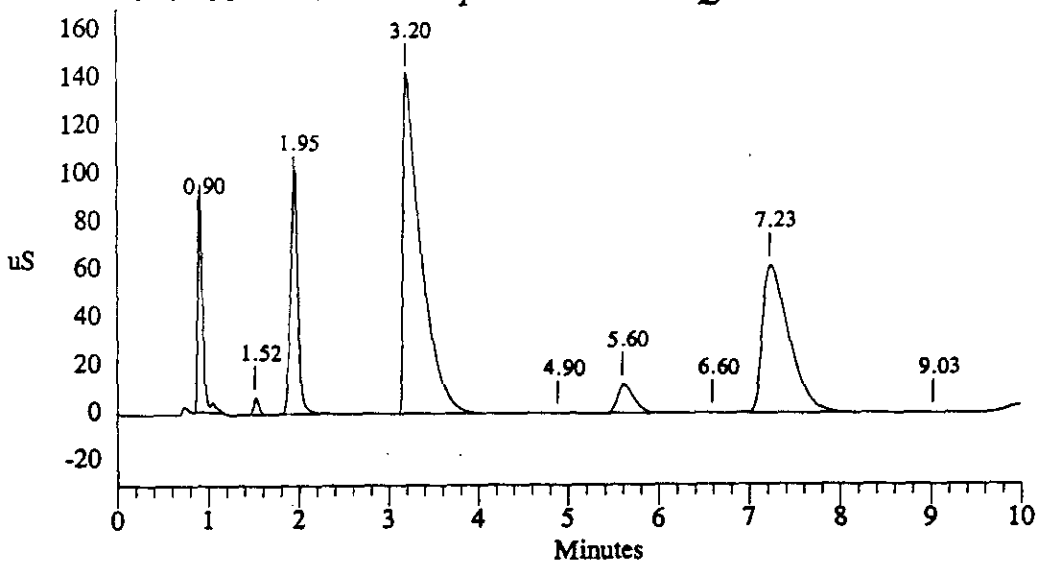
```
Sample Name: 95-7945-C1/QS4A  - A22          Date: 09/28/1995 17:24:57
Data File  : C:\DX\DATA\9509282\95092821.D23
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 23  Vial:A22        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.90	FLUORIDE	73.411	75782019	349043027	1	-1.43
2	1.52	CHLORIDE	12.482	6769290	33930372	1	0.00
3	1.95	NITRITE	301.129	94510720	588906542	1	2.44
4	3.20	NITRATE	510.208	141394949	1962512385	1	0.00
5	4.90		0.000	135932	1489387	1	
6	5.60	PHOSPHATE	185.579	11761113	152669538	1	6.43
7	6.60		0.000	12954	184249	1	
8	7.23	SULFATE	451.300	61781466	1266657419	1	0.00
9	9.03		0.000	8901	150599	1	
		Totals	1534.108	392157344	4355543518		

File: 95092821.D23 Sample: 95-7945-C1/QS4A - A22



Data Reprocessed On 09/28/1995 19:23:26

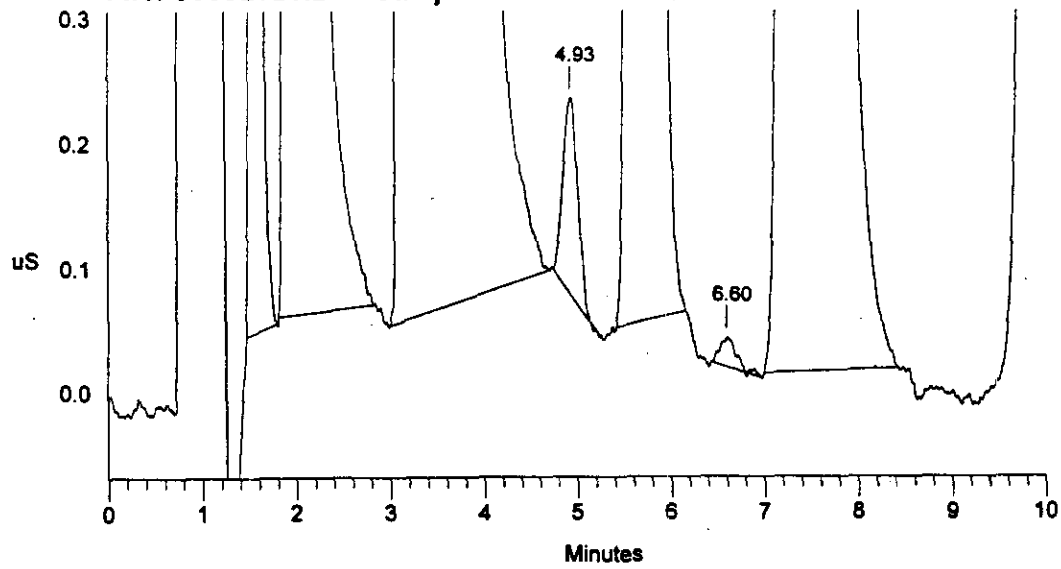
Sample Name: 95-7945-C2/QS4A - A23	Date: 09/28/1995 17:37:44
Data File : C:\DX\DATA\9509282\95092821.D24	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 24 Vial:A23	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	53.695	62443691	252945958	1	0.02
2	1.55	CHLORIDE	12.547	7332693	34125912	1	0.00
3	1.98	NITRITE	344.739	102511806	676204419	1	1.95
4	3.10	BROMIDE	-34771.558	394288520	5415297894	1	5.38
5	4.93		0.000	156869	1716989	1	
6	5.67	PHOSPHATE	159.924	10082060	129183377	1	-0.58
7	6.60		0.000	23291	289102	1	
8	7.37	SULFATE	245.094	27450977	541153863	1	0.00
		Totals	-33955.559	604289907	7050917515		

File: 95092821.D24 Sample: 95-7945-C2/QS4A - A23



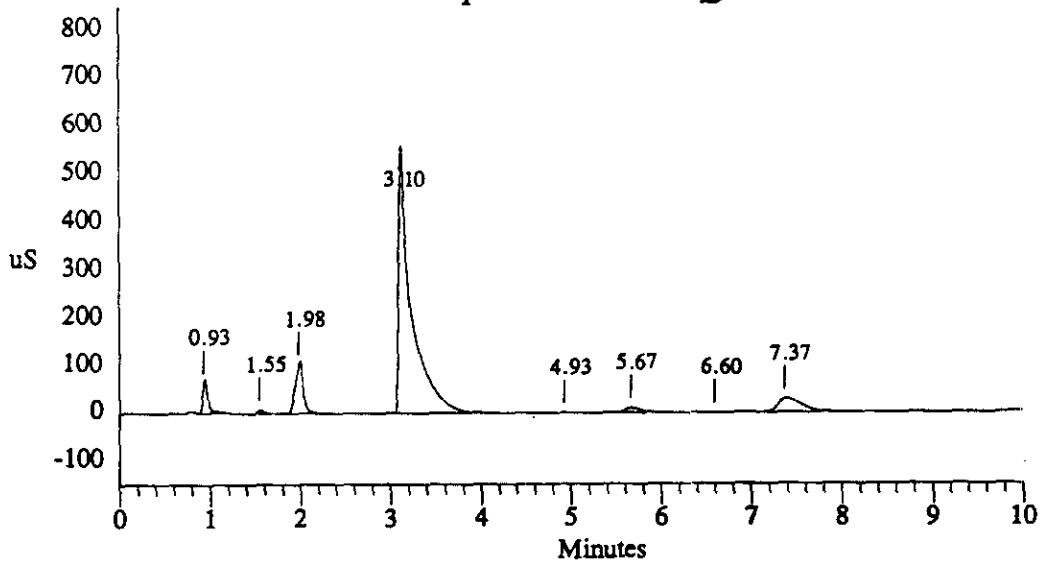
Sample Name: 95-7945-C2/QS4A - A23 Date: 09/28/1995 17:37:44
Data File : C:\DX\DATA\9509282\95092821.D24
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 24 Vial:A23 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	59.205	63124096	279701440	1	0.02
2	1.55	CHLORIDE	14.582	7606543	40270268	1	0.00
3	1.98	NITRITE	344.999	102514223	676724812	1	1.95
4	3.10	BROMIDE	-34771.558	394288520	5415297894	1	5.38
5	4.93		0.000	156869	1716989	1	
6	5.67	PHOSPHATE	161.453	10102633	130559510	1	-0.58
7	6.60		0.000	23291	289102	1	
8	7.37	SULFATE	245.511	27456420	542253306	1	0.00
		Totals	-33945.809	605272595	7086813322		

File: 95092821.D24 Sample: 95-7945-C2/QS4A - A23



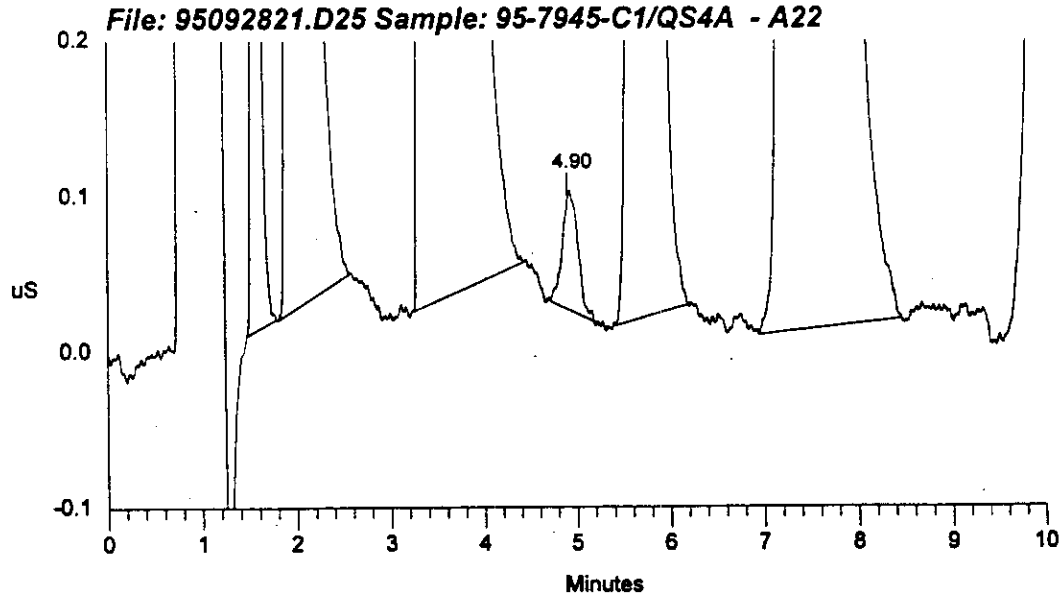
Data Reprocessed On 09/28/1995 19:23:56

Sample Name: 95-7945-C1/QS4A - A22	Date: 09/28/1995 17:50:21
Data File : C:\DX\DATA\9509282\95092821.D25	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 25 Vial:A22	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	70.563	47556404	164088458	1	-1.05
2	1.57	CHLORIDE	11.581	3714091	14088296	1	0.00
3	1.97	NITRITE	304.789	54419251	294022385	1	0.02
4	3.37	NITRATE	852.689	71318916	888096393	1	0.00
5	4.90		0.000	67064	879569	1	
6	5.70	PHOSPHATE	179.097	5360313	68749090	1	2.97
7	7.40	SULFATE	508.014	30717678	564855787	1	0.00
		Totals	1926.734	213153718	1994779978		



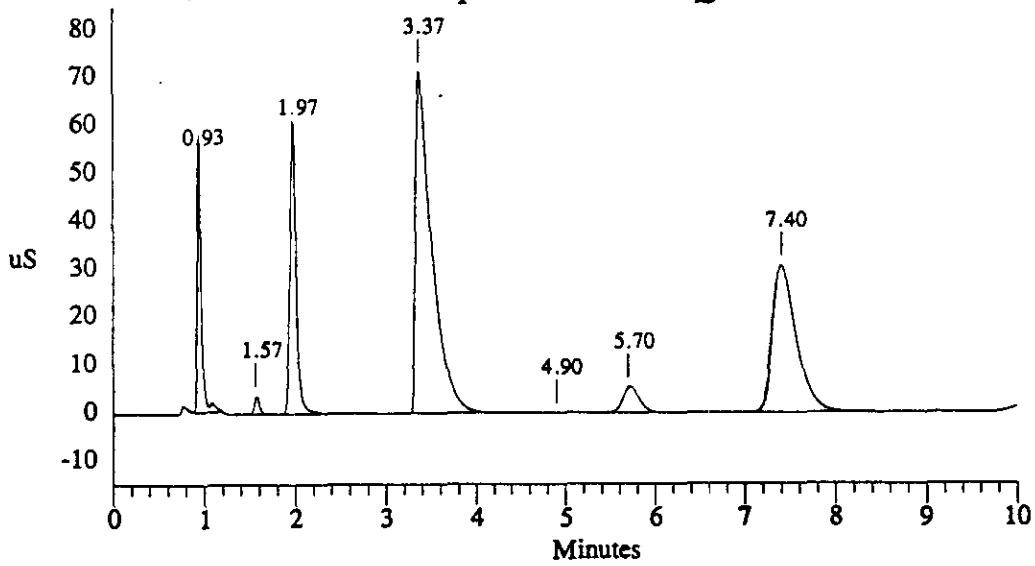
```
Sample Name: 95-7945-C1/QS4A  - A22          Date: 09/28/1995 17:50:21
Data File  : C:\DX\DATA\9509282\95092821.D25
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 25  Vial:A22        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	76.396	47877520	178106150	1	-1.05
2	1.57	CHLORIDE	13.054	3793461	16245994	1	0.00
3	1.97	NITRITE	305.865	54425296	295080826	1	0.02
4	3.37	NITRATE	853.419	71321918	889327406	1	0.00
5	4.90		0.000	67064	879569	1	
6	5.70	PHOSPHATE	180.656	5366432	69390103	1	2.97
7	7.40	SULFATE	508.014	30717678	564855787	1	0.00
		Totals	1937.404	213569370	2013885837		

File: 95092821.D25 Sample: 95-7945-C1/QS4A - A22



Data Reprocessed On 09/28/1995 19:43:24

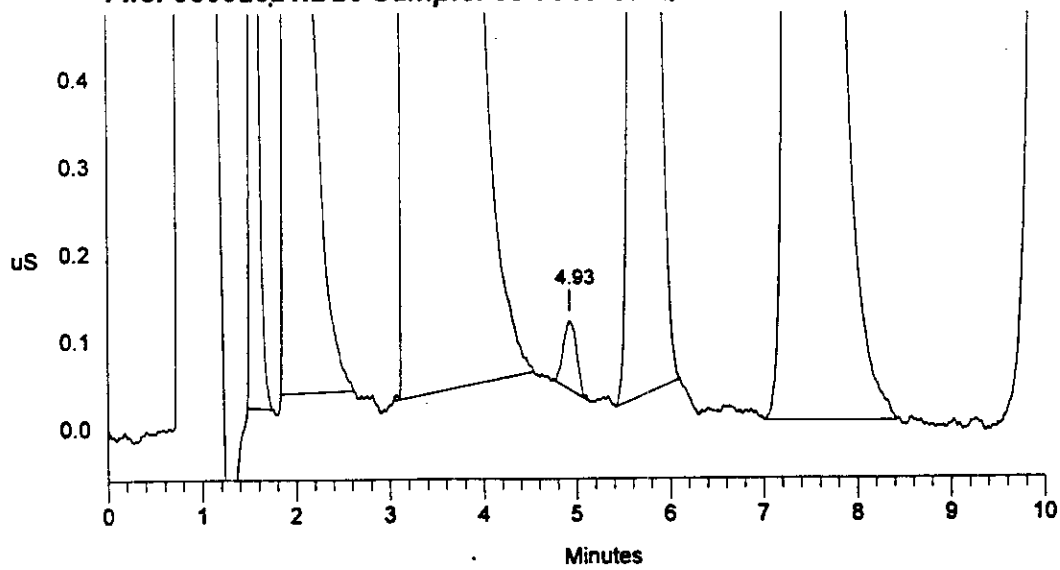
Sample Name: 95-7945-C2/QS4A - A23	Date: 09/28/1995 18:02:58
Data File : C:\DX\DATA\9509282\95092821.D26	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 26 Vial:A23	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	57.577	44775302	132956483	1	0.36
2	1.55	CHLORIDE	12.869	3765130	15975352	1	0.00
3	1.97	NITRITE	346.943	64950588	335546994	1	1.09
4	3.20	NITRATE	780.952	176639933	2457983208	1	0.00
5	4.93		0.000	78121	775158	1	
6	5.70	PHOSPHATE	151.784	4354101	57610176	1	0.00
7	7.47	SULFATE	237.802	13151715	239680925	1	0.00
		Totals	1587.927	307714889	3240528298		

File: 95092821.D26 Sample: 95-7945-C2/QS4A - A23



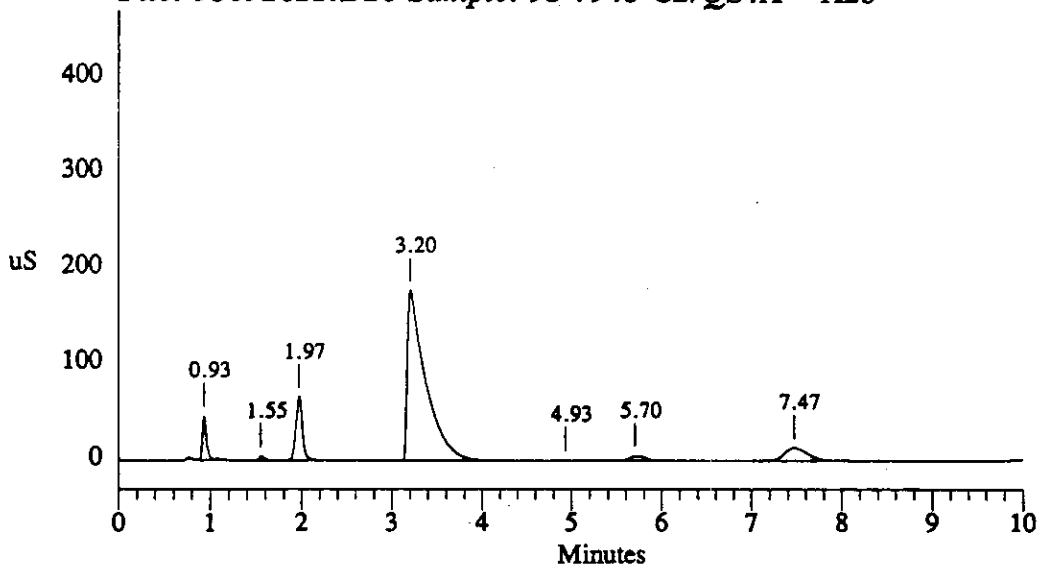
Sample Name: 95-7945-C2/QS4A - A23 Date: 09/28/1995 18:02:58
Data File : C:\DX\DATA\9509282\95092821.D26
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 26 Vial:A23 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	62.859	45152654	145608045	1	0.02
2	1.55	CHLORIDE	15.621	3928159	20022121	1	0.00
3	1.97	NITRITE	347.566	64970587	336160683	1	1.09
4	3.20	NITRATE	780.069	176651856	2459270464	1	0.00
5	4.93	PHOSPHATE	5.779	78121	775158	1	-6.24
6	5.70		0.000	4370273	58653053	1	
7	7.47	SULFATE	238.280	13154031	240202396	1	0.00
		Totals	1450.173	308305681	3260691920		

File: 95092821.D26 Sample: 95-7945-C2/QS4A - A23



Data Reprocessed On 09/28/1995 19:47:38

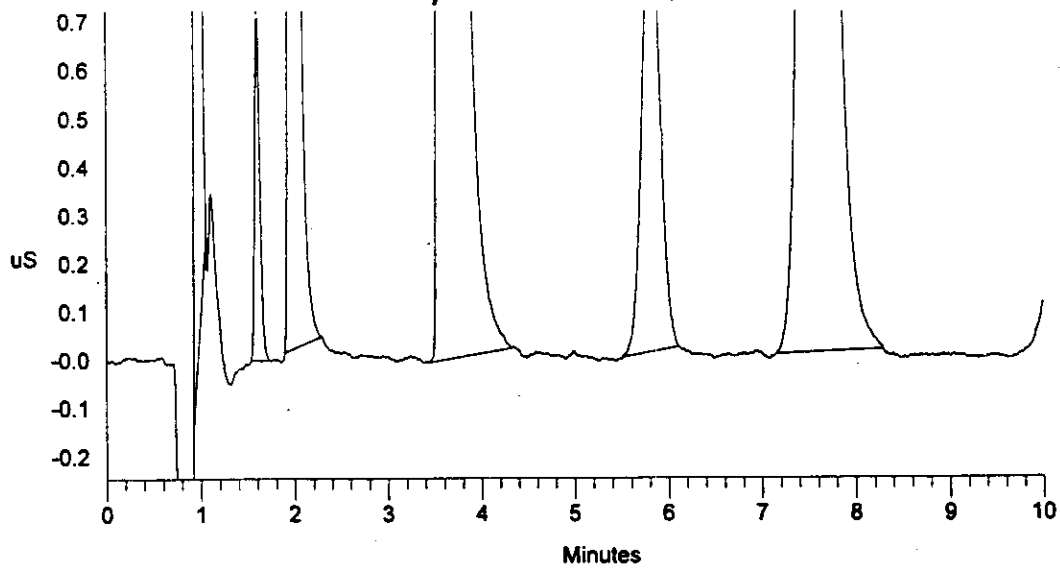
Sample Name: 95-7945-C1/QS4A - A24	Date: 09/28/1995 18:19:26	
Data File : C:\DX\DATA\9509282\95092821.D27		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 27 Vial:A24	Detector:PED-Cond.	
Analyst : MMO	Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	100	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	70.488	9250216	29463713	1	0.35
2	1.60	CHLORIDE	19.141	698435	2828569	1	0.00
3	1.98	NITRITE	292.595	10153307	53120344	1	-1.24
4	3.60	NITRATE	949.641	13917191	147786673	1	0.00
5	5.80	PHOSPHATE	187.884	955605	12792591	1	-2.01
6	7.57	SULFATE	516.340	5387462	98512451	1	0.00
		Totals	2036.090	40362216	344504341		

File: 95092821.D27 Sample: 95-7945-C1/QS4A - A24



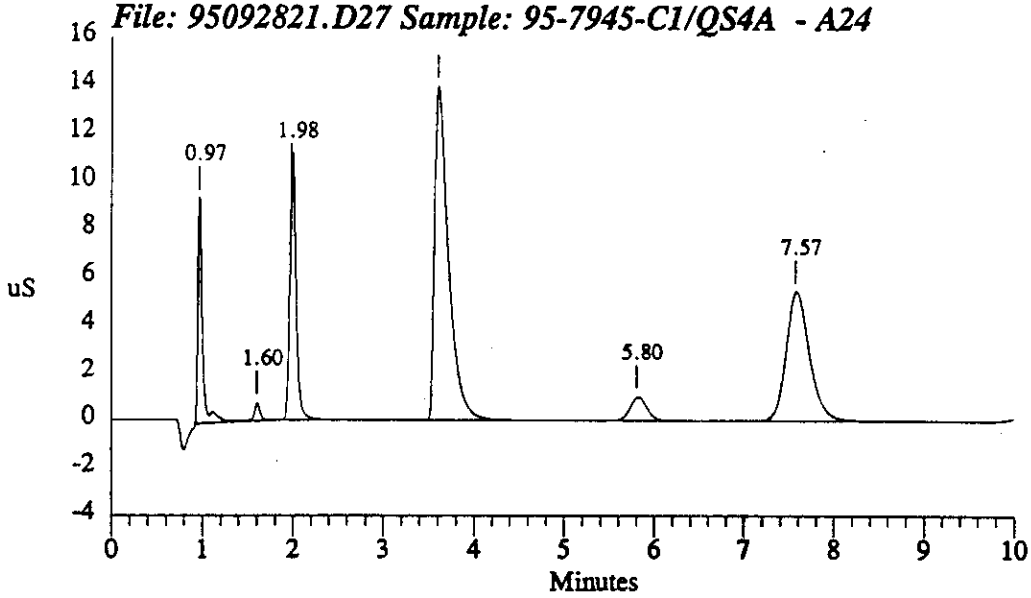
Sample Name: 95-7945-C1/QS4A - A24 Date: 09/28/1995 18:19:26
Data File : C:\DX\DATA\9509282\95092821.D27
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 27 Vial:A24 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	100	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	80.993	9371168	34438650	2	0.35
2	1.60	CHLORIDE	23.142	739919	3983110	2	0.00
3	1.98	NITRITE	300.106	10179160	54581142	1	-1.24
4	3.60	NITRATE	953.263	13920604	148392193	1	0.00
5	5.80	PHOSPHATE	197.855	971301	13552582	1	-2.01
6	7.57	SULFATE	521.696	5400999	99594891	1	0.00
		Totals	2077.057	40583152	354542568		

File: 95092821.D27 Sample: 95-7945-C1/QS4A - A24



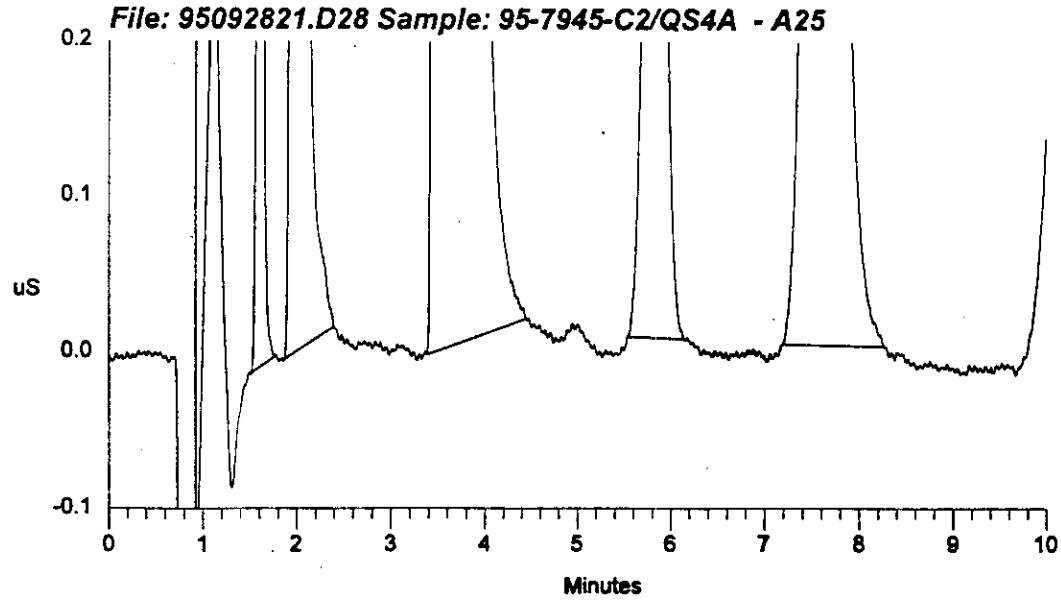
Data Reprocessed On 09/28/1995 19:51:51

Sample Name: 95-7945-C2/QS4A - A25	Date: 09/28/1995 18:35:54
Data File : C:\DX\DATA\9509282\95092821.D28	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 28 Vial:A25	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	100	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	59.067	7086969	24057554	1	0.35
2	1.60	CHLORIDE	21.105	800424	3394998	1	0.00
3	1.98	NITRITE	332.626	11684331	60907279	1	-1.24
4	3.50	NITRATE	2351.727	34972648	404530906	1	0.00
5	5.80	PHOSPHATE	161.559	802626	10789763	1	0.79
6	7.60	SULFATE	240.395	2376555	43561040	1	0.00
		Totals	3166.480	57723554	547241541		



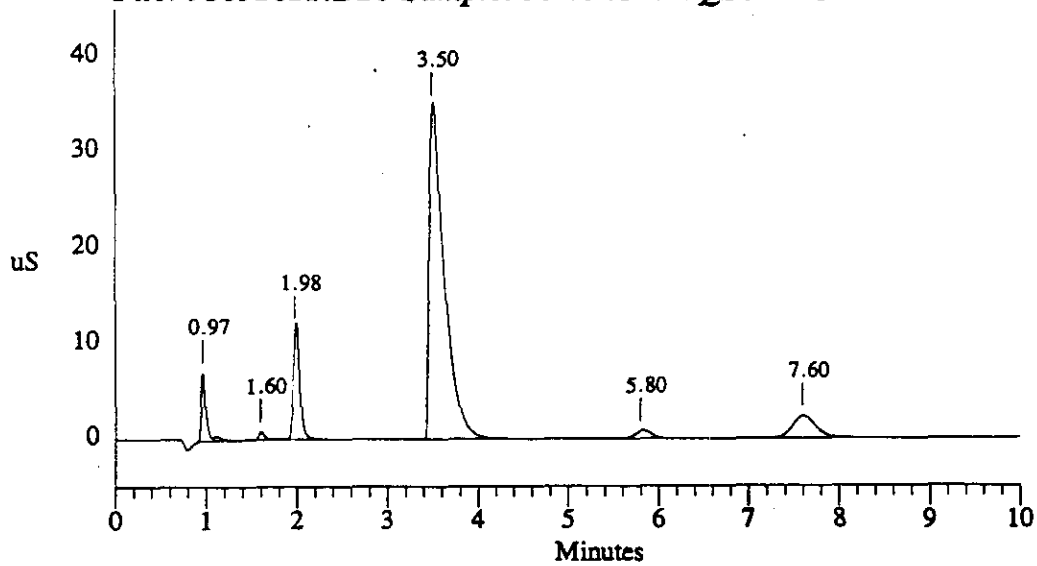
Sample Name: 95-7945-C2/QS4A - A25 Date: 09/28/1995 18:35:54
Data File : C:\DX\DATA\9509282\95092821.D28
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 28 Vial:A25 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	100	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	70.167	7196795	29311469	2	0.35
2	1.60	CHLORIDE	25.600	845638	4693032	2	0.00
3	1.98	NITRITE	334.508	11688383	61273362	1	-1.24
4	3.50	NITRATE	2355.745	34976368	405344926	1	0.00
5	5.80	PHOSPHATE	168.974	813942	11353376	1	0.79
6	7.60	SULFATE	244.429	2385730	44353099	1	0.00
		Totals	3199.423	57906856	556329265		

File: 95092821.D28 Sample: 95-7945-C2/QS4A - A25



Data Reprocessed On 09/29/1995 02:21:43

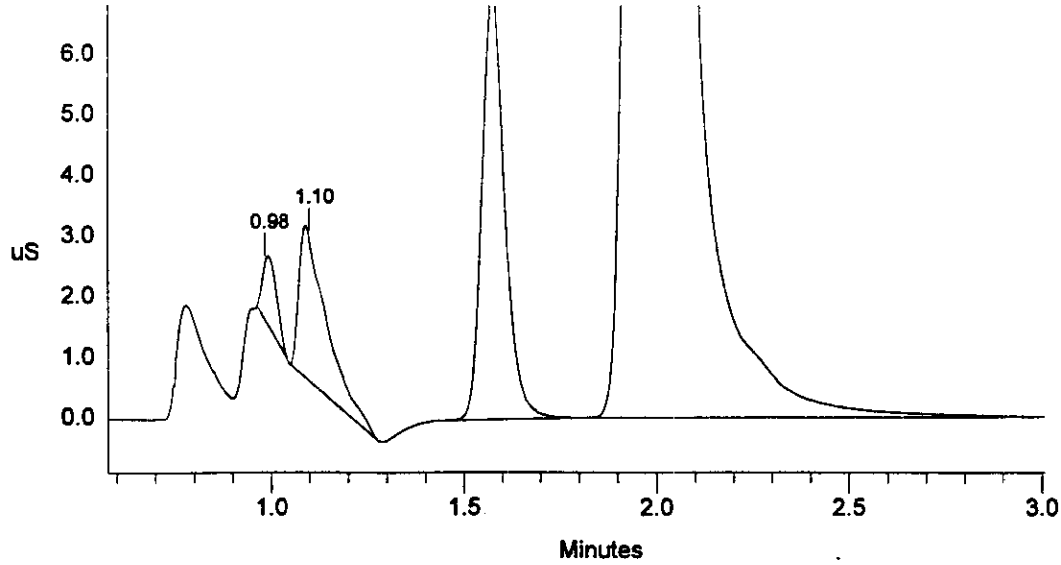
Sample Name: 95-7946-C1/QS4B - A26	Date: 09/28/1995 18:48:42
Data File : A:\95092821.D29	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 29 Vial:A26	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.58	3.01	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.431	899172	2902483	1	4.26
2	1.10		0.000	2320241	12445462	1	
3	1.57	CHLORIDE	10.939	6643188	29309316	1	0.00
4	2.02	NITRITE	346.379	109175825	679494276	1	2.56
5	3.37	NITRATE	448.292	76352826	966215510	1	0.00
6	4.93		0.000	138989	1520997	1	
7	5.63	PHOSPHATE	229.696	14553788	195272866	1	1.77
8	7.53	SULFATE	42.933	4365632	81015169	1	0.00
		Totals	1079.670	214449661	1968176079		

File: 95092821.D29 Sample: 95-7946-C1/QS4B - A26



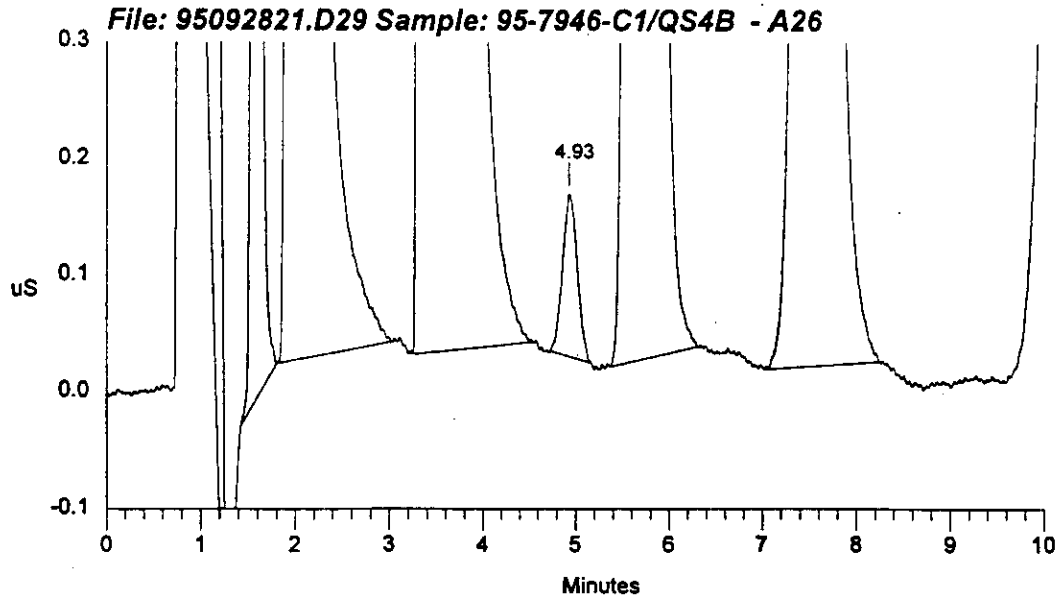
Data Reprocessed On 09/28/1995 19:56:52

Sample Name: 95-7946-C1/QS4B - A26	Date: 09/28/1995 18:48:42
Data File : C:\DX\DATA\9509282\95092821.D29	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 29 Vial:A26	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.147	680226	1559731	1	4.26
2	1.10		0.000	2320241	12445462	1	
3	1.57	CHLORIDE	10.939	6643188	29309316	1	0.00
4	2.02	NITRITE	346.379	109175825	679494276	1	2.56
5	3.37	NITRATE	448.292	76352826	966215510	1	0.00
6	4.93		0.000	138989	1520997	1	
7	5.63	PHOSPHATE	229.696	14553788	195272866	1	1.77
8	7.53	SULFATE	42.933	4365632	81015169	1	0.0(
		Totals	1079.386	214230714	1966833327		



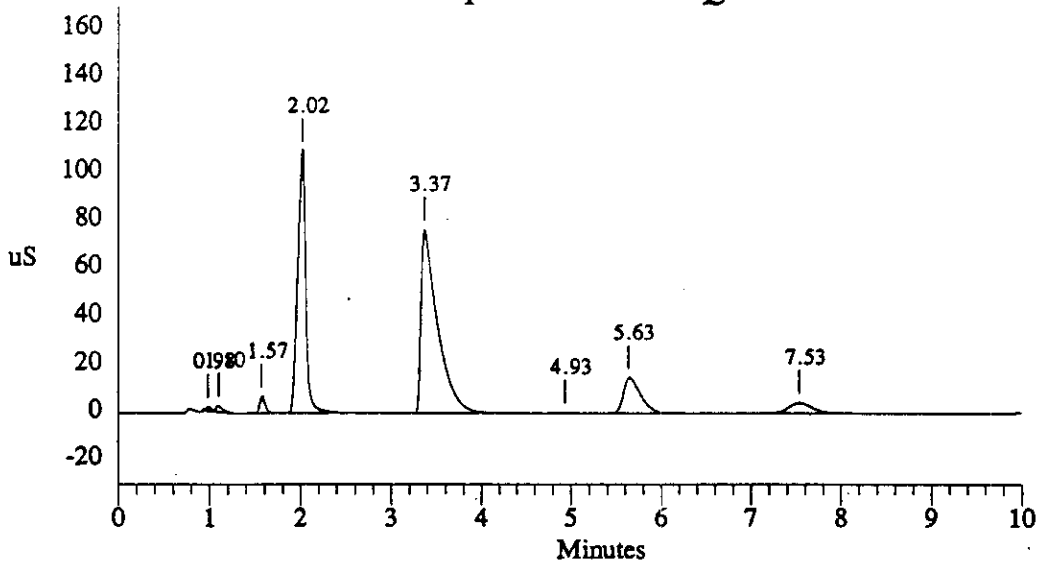
```
==================================================================================
| Sample Name: 95-7946-C1/QS4B  - A26          Date: 09/28/1995 18:48:42          |
| Data File  : C:\DX\DATA\9509282\95092821.D29                                    |
| Method     : c:\dx\method\2anions2.met                                          |
| ACI Address: 1  System: 2  Inject#: 29  Vial:A26        Detector:PED-Cond.      |
| Analyst    : MMO            Column: AG4A/AS4A                                   |
==================================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	2.365	1699005	7311955	2	4.26
2	1.10		0.000	2578608	14747819	2	
3	1.57	CHLORIDE	12.217	6788010	33135918	1	0.00
4	2.02	NITRITE	346.623	109177612	679985027	1	2.56
5	3.37	NITRATE	448.395	76353611	966604162	1	0.00
6	4.93		0.000	138709	1491077	1	
7	5.63	PHOSPHATE	229.939	14555721	195517064	1	1.77
8	7.53	SULFATE	43.327	4372466	81802795	1	0.00
		Totals	1082.867	215663742	1980595817		

File: 95092821.D29 Sample: 95-7946-C1/QS4B - A26



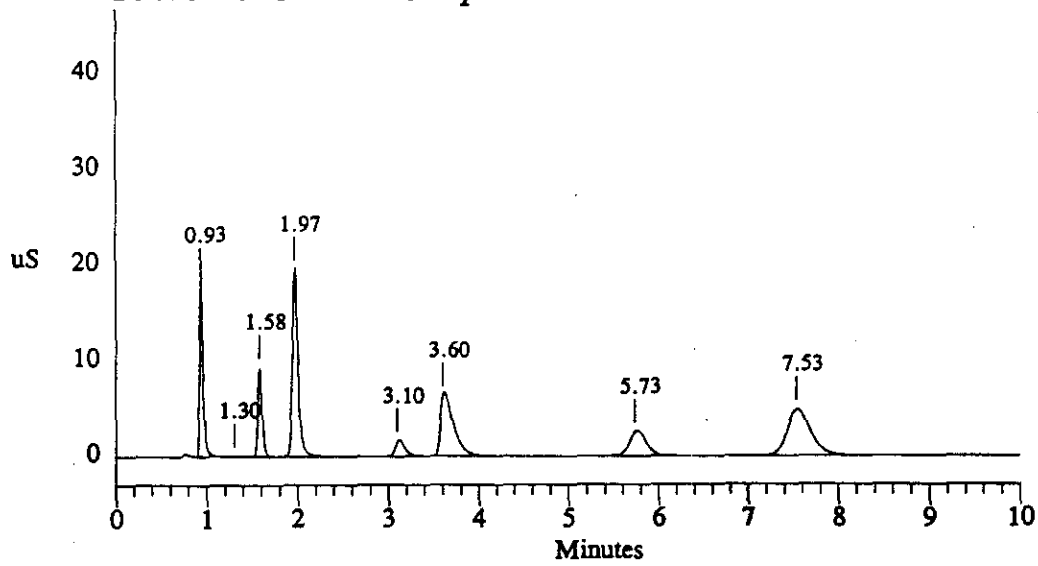
Sample Name: A950609V1/LO - A04 Date: 09/28/1995 19:01:18
Data File : C:\DX\DATA\9509282\95092821.D30
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 30 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	23.674	18462702	52161519	1	-2.09
2	1.30		0.000	53152	272588	1	
3	1.58	CHLORIDE	23.265	9346528	31382665	1	0.00
4	1.97	NITRITE	94.616	19544632	88252039	1	-1.04
5	3.10	BROMIDE	24.801	1600108	12984577	1	3.16
6	3.60	NITRATE	91.123	6368994	67425054	1	0.00
7	5.73	PHOSPHATE	94.942	2574350	34965329	1	-3.14
8	7.53	SULFATE	95.018	4916526	90197188	1	0.00
		Totals	447.440	62866991	377640961		

File: 95092821.D30 Sample: A950609V1/LO - A04



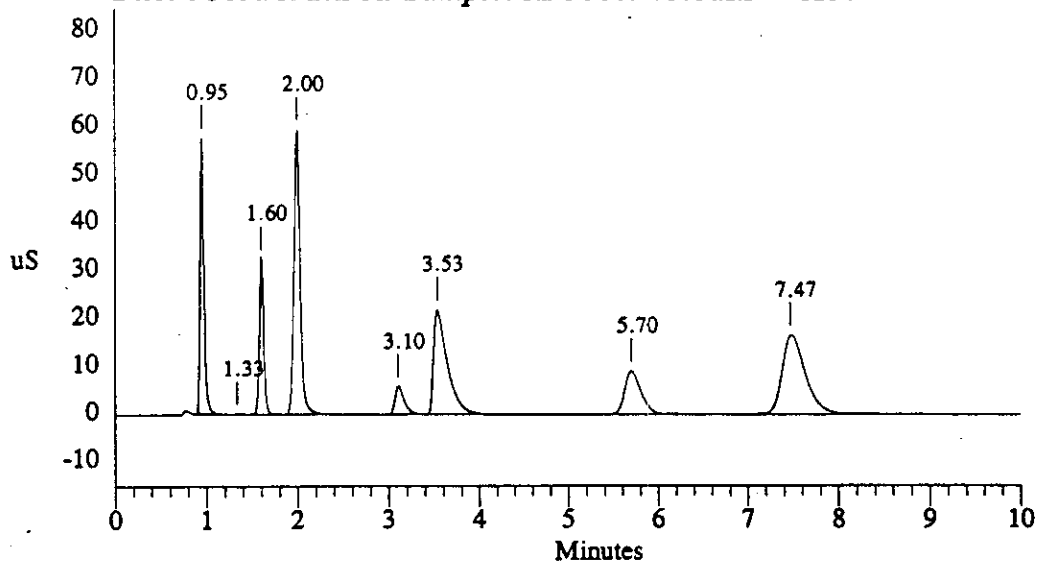
Sample Name: A950609V2/MID - A04 Date: 09/28/1995 19:14:20
Data File : C:\DX\DATA\9509282\95092821.D31
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 31 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	15	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	24.433	57744137	170664397	1	-1.38
2	1.33		0.000	122990	698129	1	
3	1.60	CHLORIDE	24.796	32524143	112415396	1	0.00
4	2.00	NITRITE	99.512	59629572	287869656	1	-0.41
5	3.10	BROMIDE	25.445	5897987	42245945	1	2.08
6	3.53	NITRATE	96.373	21886085	233148789	1	0.00
7	5.70	PHOSPHATE	97.118	9153138	116502408	1	-1.89
8	7.47	SULFATE	97.332	16598131	299875683	1	0.00
		Totals	465.011	203556184	1263420403		

File: 95092821.D31 Sample: A950609V2/MID - A04



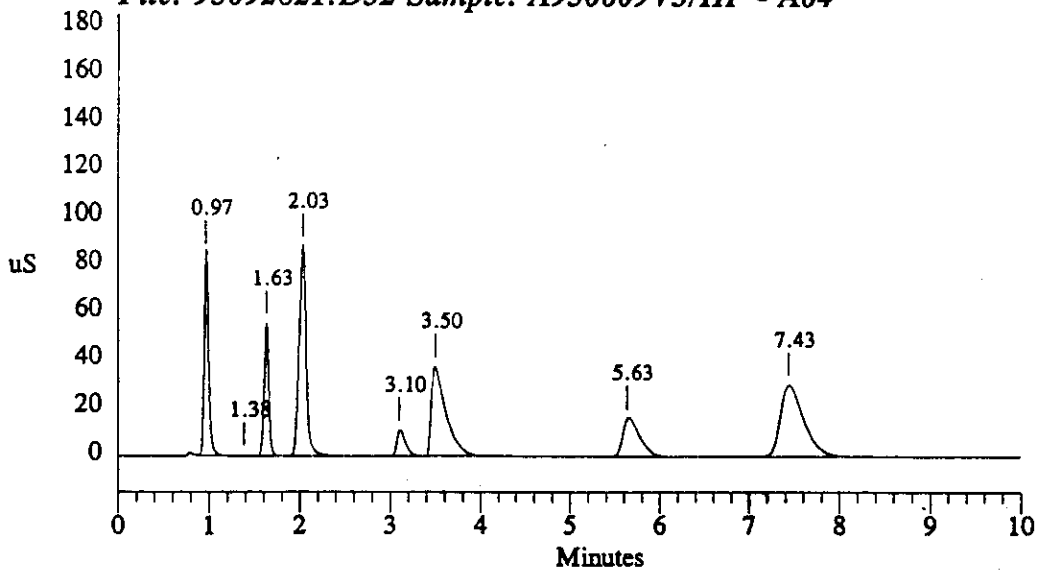
Sample Name: A950609V3/HI - A04 Date: 09/28/1995 19:27:44
Data File : C:\DX\DATA\9509282\95092821.D32
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 32 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	25	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	24.550	84459481	290263805	1	-1.69
2	1.38		0.000	176449	948765	1	
3	1.63	CHLORIDE	24.553	55168505	199670855	1	0.00
4	2.03	NITRITE	98.292	87582122	478561835	1	-0.81
5	3.10	BROMIDE	25.195	10588834	73333607	1	0.00
6	3.50	NITRATE	95.003	37079194	409268997	1	0.00
7	5.63	PHOSPHATE	98.847	15692320	212982869	1	-2.11
8	7.43	SULFATE	98.547	29846712	544518171	1	0.00
		Totals	464.988	320593617	2209548903		

File: 95092821.D32 Sample: A950609V3/HI - A04



Data Reprocessed On 09/28/1995 20:45:28

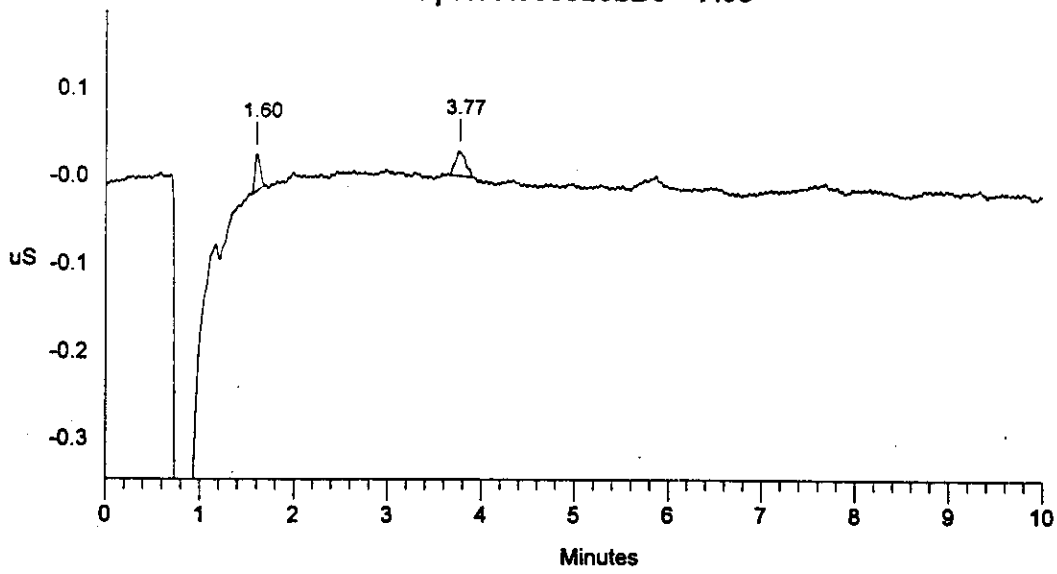
Sample Name: A9509282B3 - A03	Date: 09/28/1995 19:44:12
Data File : C:\DX\DATA\9509282\95092821.D33	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 33 Vial:A03	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.60	CHLORIDE	0.099	42369	162567	1	0.00
2	3.77	NITRATE	0.222	28693	215307	1	0.00
		Totals	0.321	71063	377874		

File: 95092821.D33 Sample: A9509282B3 - A03

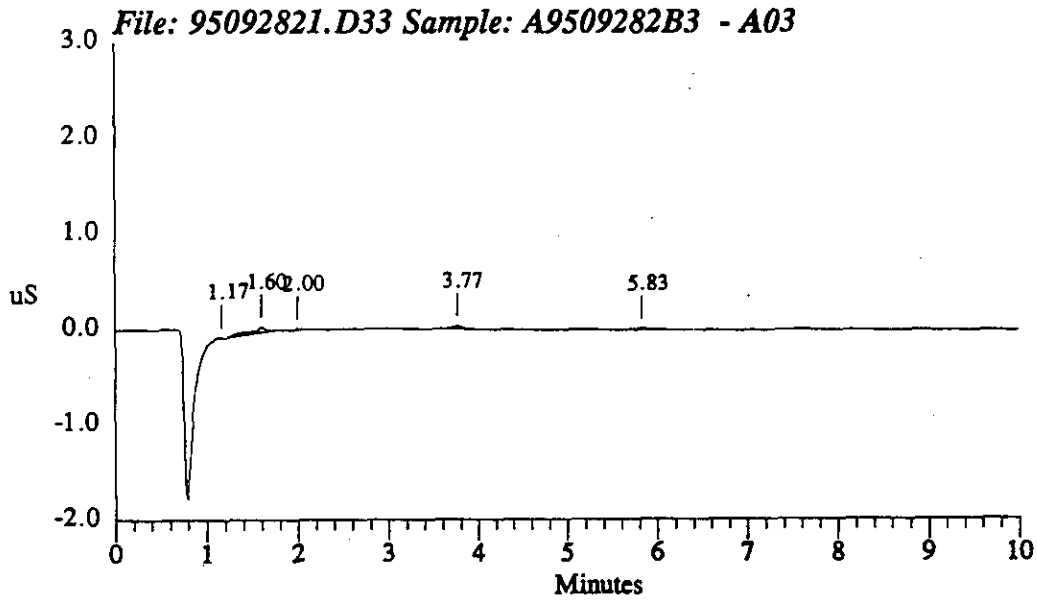


Sample Name: A9509282B3 - A03 Date: 09/28/1995 19:44:12
Data File : C:\DX\DATA\9509282\95092821.D33
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 33 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17		0.000	17755	59057	1	
2	1.60	CHLORIDE	0.117	58749	694365	1	0.00
3	2.00	NITRITE	0.195	8719	68997	1	-0.41
4	3.77	NITRATE	0.224	30989	245958	1	0.00
5	5.83	PHOSPHATE	0.211	11170	188769	1	-5.81
		Totals	0.747	127382	1257146		



Data Reprocessed On 09/29/1995 02:23:33

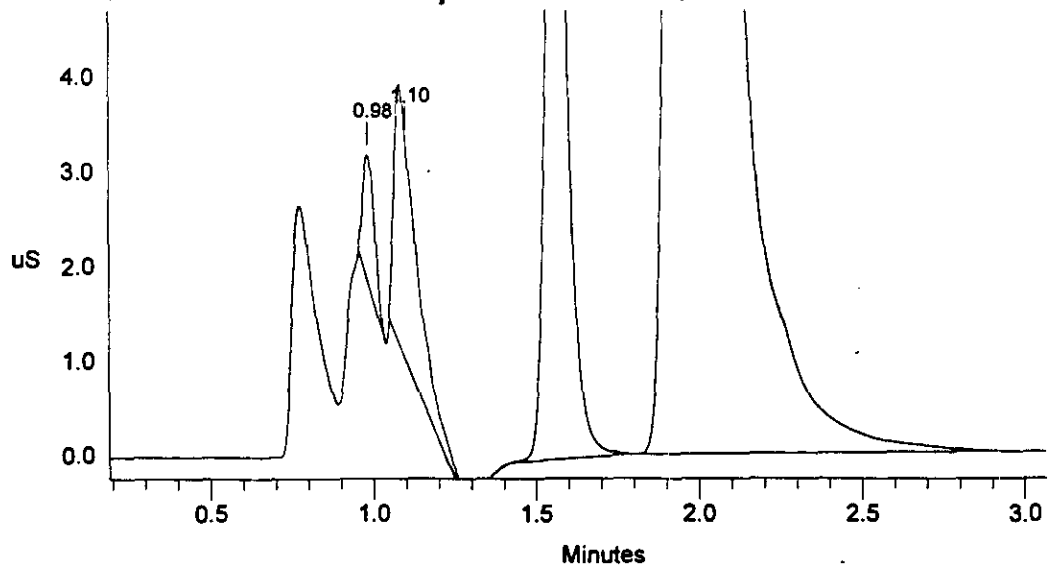
Sample Name: 95-7946-C2/QS4B - A27	Date: 09/28/1995 19:57:01
Data File : A:\95092821.D34	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 34 Vial:A27	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.19	3.07	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.530	1320637	3372045	1	5.38
2	1.10		0.000	2352160	13111311	1	
3	1.55	CHLORIDE	14.190	7673041	39083693	1	0.00
4	2.02	NITRITE	442.474	123653316	873262998	1	3.66
5	3.30	NITRATE	512.675	86149077	1289370128	1	0.00
6	4.90		0.000	168568	1888531	1	
7	5.53	PHOSPHATE	412.621	29136414	423057519	1	1.98
8	7.50	SULFATE	36.045	3515859	67275294	1	0.00
		Totals	1419.536	253969072	2710421518		

File: 95092821.D34 Sample: 95-7946-C2/QS4B - A27



Data Reprocessed On 09/28/1995 20:48:46

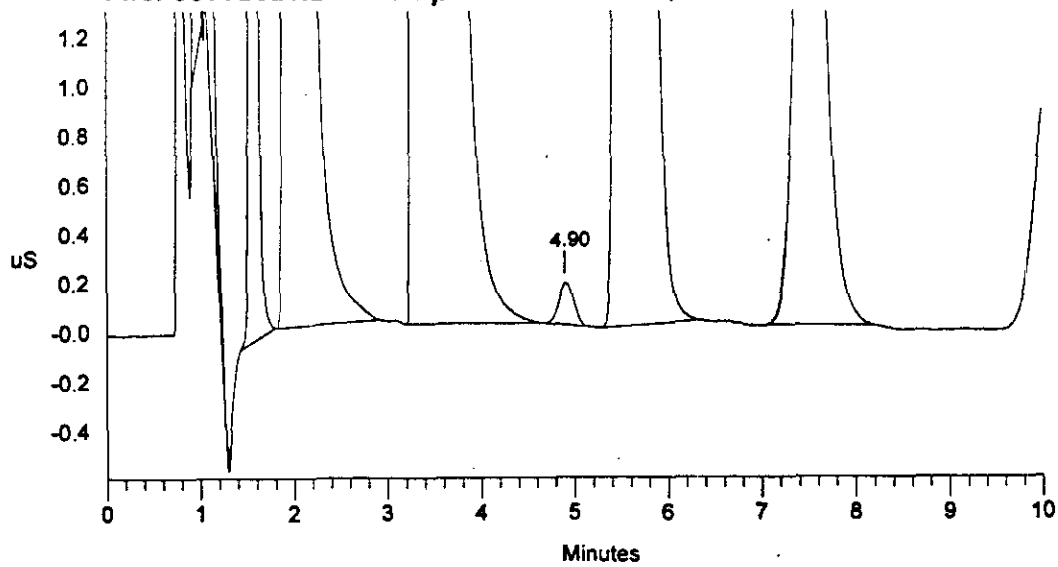
Sample Name: 95-7946-C2/QS4B - A27	Date: 09/28/1995 19:57:01
Data File : C:\DX\DATA\9509282\95092821.D34	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 34 Vial:A27	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	2.448	2036952	7704189	1	5.38
2	1.10		0.000	2352160	13111311	1	
3	1.55	CHLORIDE	14.190	7673041	39083693	1	0.00
4	2.02	NITRITE	442.474	123653316	873262998	1	3.66
5	3.30	NITRATE	512.675	86149077	1289370128	1	0.00
6	4.90		0.000	168568	1888531	1	
7	5.53	PHOSPHATE	412.621	29136414	423057519	1	1.98
8	7.50	SULFATE	36.045	3515859	67275294	1	0.0[illegible]
		Totals	1420.453	254685387	2714753662		

File: 95092821.D34 Sample: 95-7946-C2/QS4B - A27



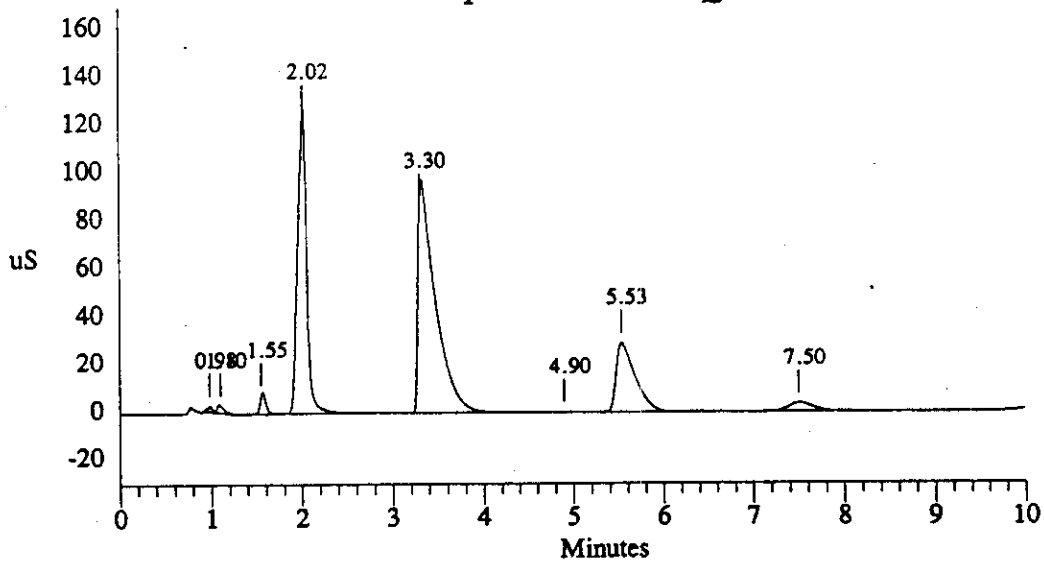
Sample Name: 95-7946-C2/QS4B - A27 Date: 09/28/1995 19:57:01
Data File : C:\DX\DATA\9509282\95092821.D34
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 34 Vial:A27 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	2.832	2351386	9520606	2	5.38
2	1.10		0.000	3046488	19595971	2	
3	1.55	CHLORIDE	16.020	7899789	44642501	1	0.00
4	2.02	NITRITE	442.868	123656639	874060342	1	3.66
5	3.30	NITRATE	512.675	86149077	1289370128	1	0.00
6	4.90		0.000	167053	1847908	1	
7	5.53	PHOSPHATE	413.467	29142127	424453437	1	1.98
8	7.50	SULFATE	36.388	3521730	67957141	1	0.00
		Totals	1424.249	255934290	2731448033		

File: 95092821.D34 Sample: 95-7946-C2/QS4B - A27



Data Reprocessed On 09/29/1995 02:35:29

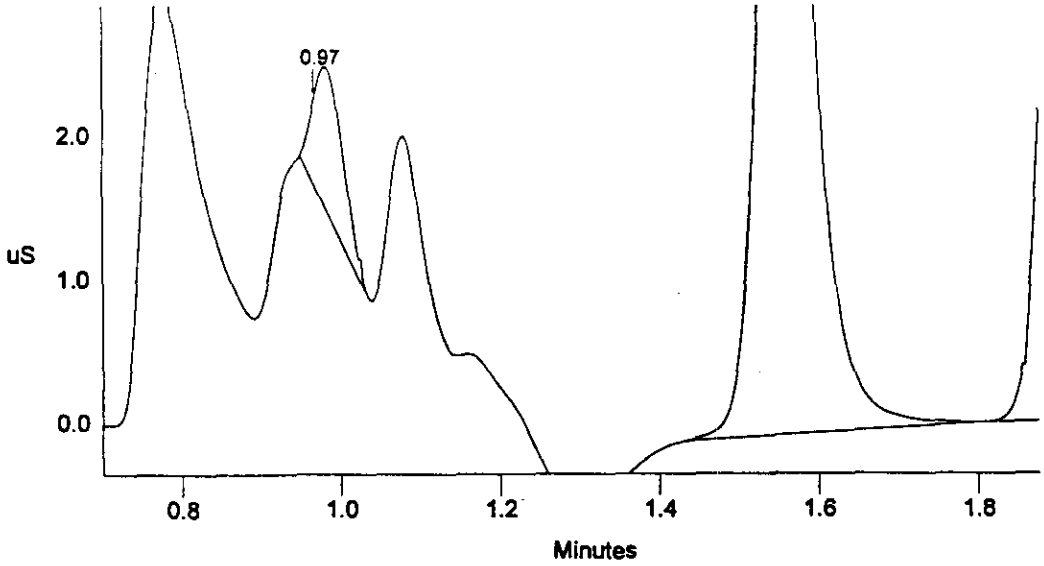
Sample Name: 95-7948-C1/QS4D - A28	Date: 09/28/1995 20:09:49	
Data File : A:\95092821.D35		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 35 Vial:A28	Detector:PED-Cond.	
Analyst : MMO	Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.70	1.88		30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	1.376	562656	2643590	1	3.59
2	1.55	CHLORIDE	10.755	6193383	28758955	1	0.00
3	2.00	NITRITE	344.802	107831053	676330756	1	2.81
4	3.37	NITRATE	406.189	61422370	823097797	1	0.00
5	4.87		0.000	39942	487062	1	
6	5.40	PHOSPHATE	519.458	42957589	755050855	1	-2.45
7	7.40	SULFATE	182.522	19856355	384579827	1	0.00
		Totals	1465.102	238863348	2670948841		

File: 95092821.D35 Sample: 95-7948-C1/QS4D - A28



Data Reprocessed On 09/28/1995 20:50:44

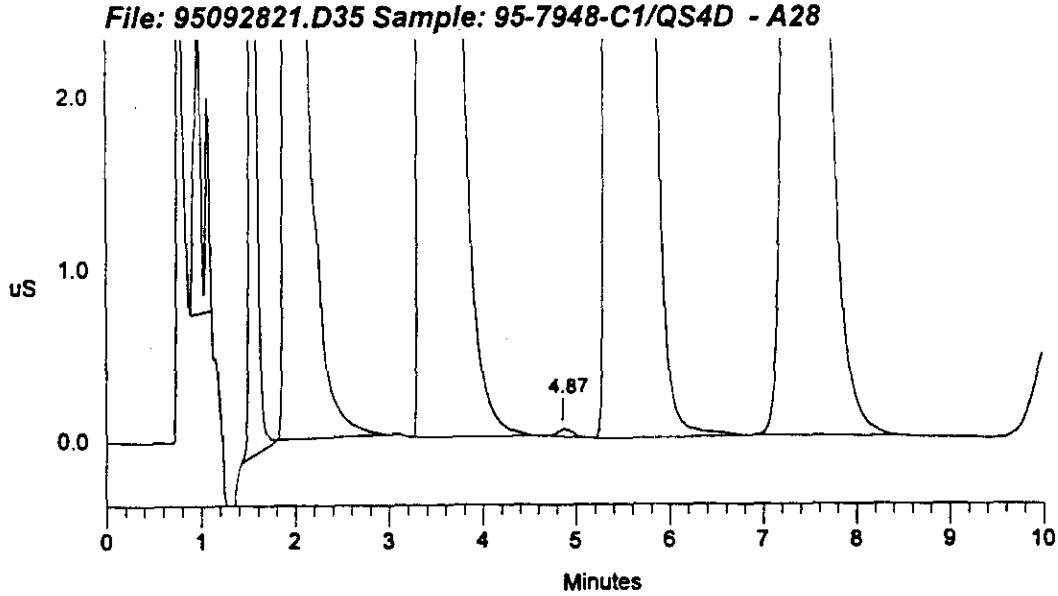
Sample Name: 95-7948-C1/QS4D - A28	Date: 09/28/1995 20:09:49
Data File : C:\DX\DATA\9509282\95092821.D35	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 35 Vial:A28	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	3.190	1496523	11212090	1	3.59
2	1.55	CHLORIDE	10.755	6193383	28758955	1	0.00
3	2.00	NITRITE	344.802	107831053	676330756	1	2.81
4	3.37	NITRATE	406.189	61422370	823097797	1	0.00
5	4.87		0.000	39942	487062	1	
6	5.40	PHOSPHATE	519.458	42957589	755050855	1	-2.45
7	7.40	SULFATE	182.522	19856355	384579827	1	0.00
		Totals	1466.916	239797215	2679517340		

File: 95092821.D35 Sample: 95-7948-C1/QS4D - A28



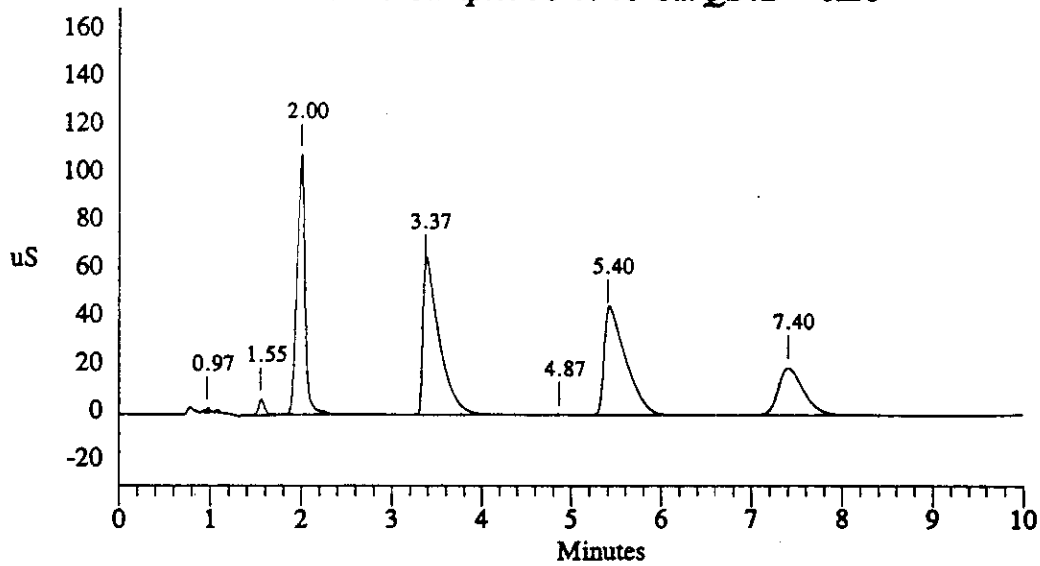
Sample Name: 95-7948-C1/QS4D - A28 Date: 09/28/1995 20:09:49
Data File : C:\DX\DATA\9509282\95092821.D35
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 35 Vial:A28 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	3.190	1496523	11212090	1	3.59
2	1.55	CHLORIDE	12.891	6467140	35162967	1	0.00
3	2.00	NITRITE	344.802	107831053	676330756	1	2.81
4	3.37	NITRATE	406.189	61422370	823097797	1	0.00
5	4.87		0.000	39942	487062	1	
6	5.40	PHOSPHATE	519.458	42957589	755050855	1	-2.45
7	7.40	SULFATE	182.705	19858398	385014274	1	0.00
		Totals	1469.235	240073014	2686355800		

File: 95092821.D35 Sample: 95-7948-C1/QS4D - A28



Data Reprocessed On 09/29/1995 02:38:19

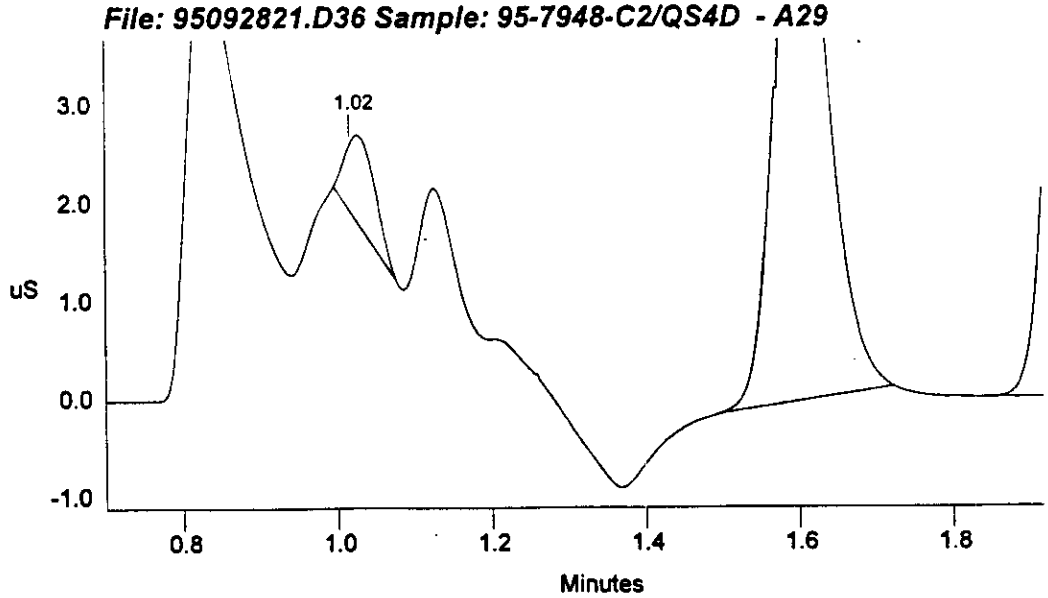
Sample Name: 95-7948-C2/QS4D - A29	Date: 09/28/1995 20:22:38
Data File : A:\95092821.D36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 Vial:A29	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.70	1.92	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	1.336	645200	2453203	1	5.54
2	1.60	CHLORIDE	11.065	6508116	29685082	1	0.00
3	2.05	NITRITE	390.009	115714250	767234834	1	2.08
4	3.40	NITRATE	441.907	70317995	942554853	1	0.00
5	4.90		0.000	47351	555070	1	
6	5.40	PHOSPHATE	467.061	55989001	1023986465	1	-3.41
7	7.47	SULFATE	96.019	9340676	190416708	1	0.00
		Totals	1407.397	258562589	2956886216		

File: 95092821.D36 Sample: 95-7948-C2/QS4D - A29



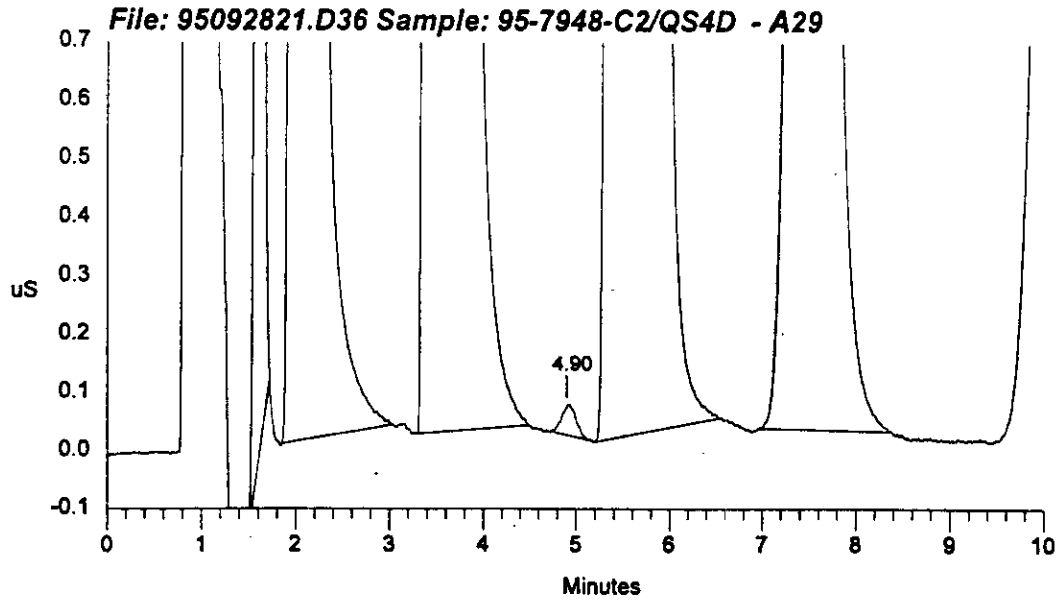
Data Reprocessed On 09/28/1995 20:58:32

Sample Name: 95-7948-C2/QS4D - A29	Date: 09/28/1995 20:22:38
Data File : C:\DX\DATA\9509282\95092821.D36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 Vial:A29	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	2.132	1336771	6210598	1	5.54
2	1.60	CHLORIDE	11.065	6508116	29685082	1	0.00
3	2.05	NITRITE	390.009	115714250	767234834	1	2.08
4	3.40	NITRATE	441.907	70317995	942554853	1	0.00
5	4.90		0.000	47351	555070	1	
6	5.40	PHOSPHATE	467.061	55989001	1023986465	1	-3.41
7	7.47	SULFATE	96.019	9340676	190416708	1	0.00
		Totals	1408.193	259254160	2960643611		



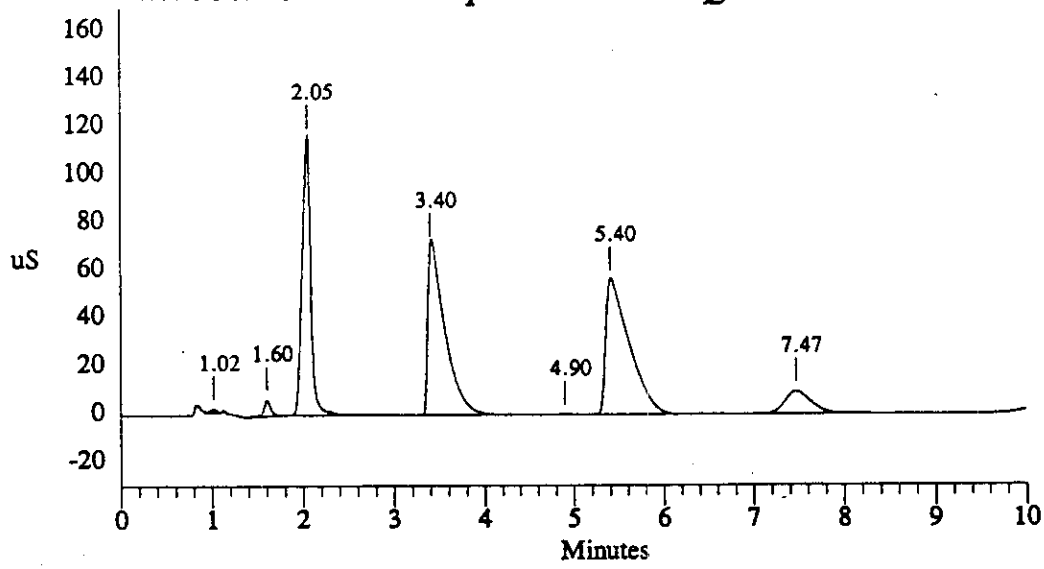
Sample Name: 95-7948-C2/QS4D - A29 Date: 09/28/1995 20:22:38
Data File : C:\DX\DATA\9509282\95092821.D36
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 36 Vial:A29 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	2.132	1336771	6210598	1	5.54
2	1.60	CHLORIDE	13.885	6910665	38160276	1	0.00
3	2.05	NITRITE	390.450	115719601	768123779	1	2.08
4	3.40	NITRATE	442.037	70319219	943027115	1	0.00
5	4.90		0.000	47351	555070	1	
6	5.40	PHOSPHATE	466.529	55992671	1025230226	1	-3.41
7	7.47	SULFATE	96.386	9348072	191195557	1	0.00
		Totals	1411.419	259674350	2972502622		

File: 95092821.D36 Sample: 95-7948-C2/QS4D - A29



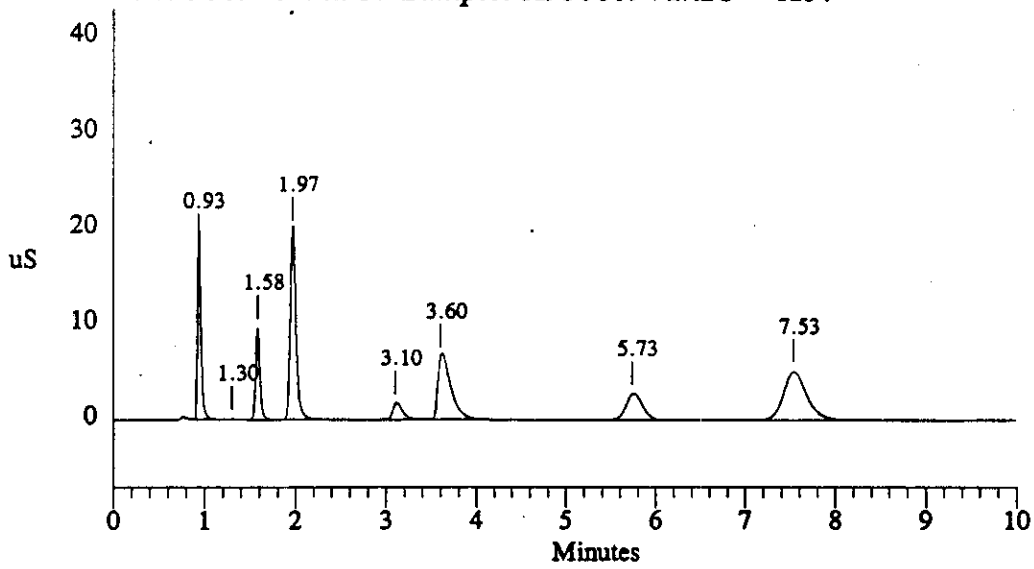
Sample Name: A950609V1/LO - A04 Date: 09/28/1995 20:35:17
Data File : C:\DX\DATA\9509282\95092821.D37
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 37 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	24.009	18019528	52955804	1	-2.09
2	1.30		0.000	46542	263889	1	
3	1.58	CHLORIDE	23.698	9575343	32031135	1	0.00
4	1.97	NITRITE	96.246	19822761	89840261	1	-1.04
5	3.10	BROMIDE	25.389	1629419	13303873	1	3.16
6	3.60	NITRATE	92.660	6531906	68643424	1	0.00
7	5.73	PHOSPHATE	98.426	2675564	36333183	1	-3.14
8	7.53	SULFATE	97.159	5036568	92351778	1	0.00
		Totals	457.587	63337630	385723347		

File: 95092821.D37 Sample: A950609V1/LO - A04



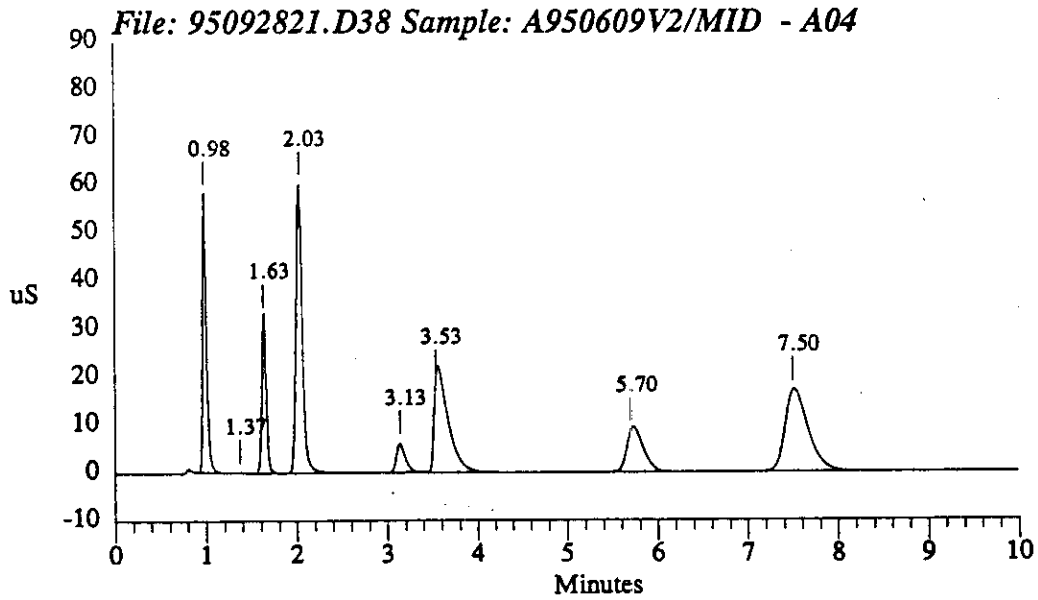
Data Reprocessed On 09/28/1995 21:09:27

Sample Name: A950609V2/MID - A04	Date: 09/28/1995 20:48:18
Data File : C:\DX\DATA\9509282\95092821.D38	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 38 Vial:A04	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	15	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	24.897	58053861	174005981	1	0.00
2	1.37		0.000	121517	718995	1	
3	1.63	CHLORIDE	25.051	32433491	113701409	1	0.00
4	2.03	NITRITE	100.750	60222836	291524278	1	-0.81
5	3.13	BROMIDE	25.457	6073379	42267369	1	1.08
6	3.53	NITRATE	97.868	18695777	237132017	1	0.00
7	5.70	PHOSPHATE	99.974	8684804	120288904	1	-1.89
8	7.50	SULFATE	99.592	17063138	307557018	1	0.00
		Totals	473.588	201348801	1287195972		



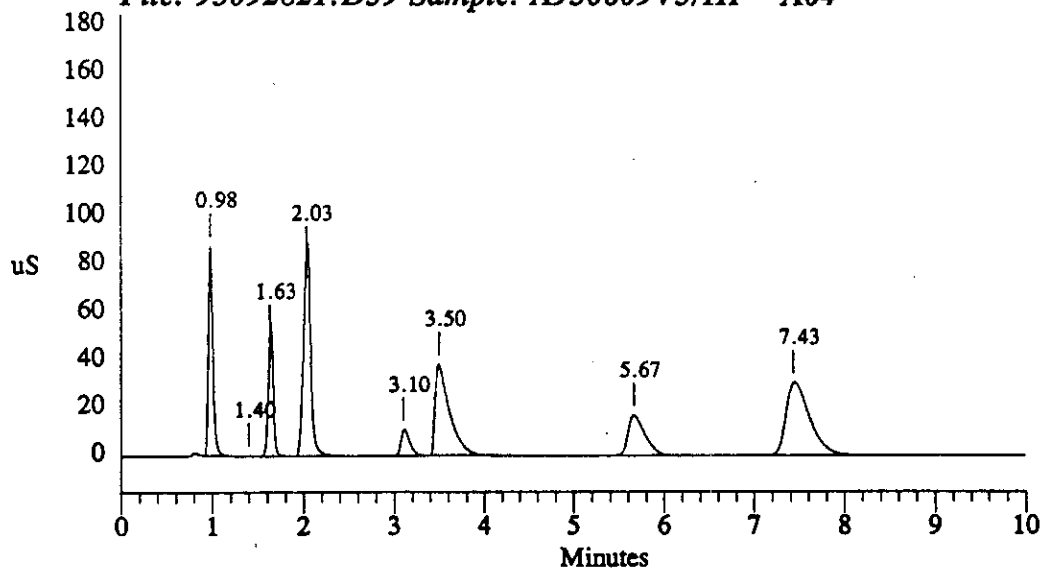
Sample Name: A950609V3/HI - A04 Date: 09/28/1995 21:01:44
Data File : C:\DX\DATA\9509282\95092821.D39
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 39 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	24.993	87632567	295651926	1	0.00
2	1.40		0.000	183462	1022044	1	
3	1.63	CHLORIDE	25.061	49650156	204625222	1	0.00
4	2.03	NITRITE	100.311	82456204	488589020	1	-0.81
5	3.10	BROMIDE	25.623	10694455	74753657	1	0.00
6	3.50	NITRATE	96.793	38017434	418402645	1	0.00
7	5.67	PHOSPHATE	102.344	17020833	222085198	1	-1.53
8	7.43	SULFATE	101.452	30606906	563844679	1	0.00
		Totals	476.578	316262018	2268974394		

File: 95092821.D39 Sample: A950609V3/HI - A04



Data Reprocessed On 09/28/1995 20:55:46

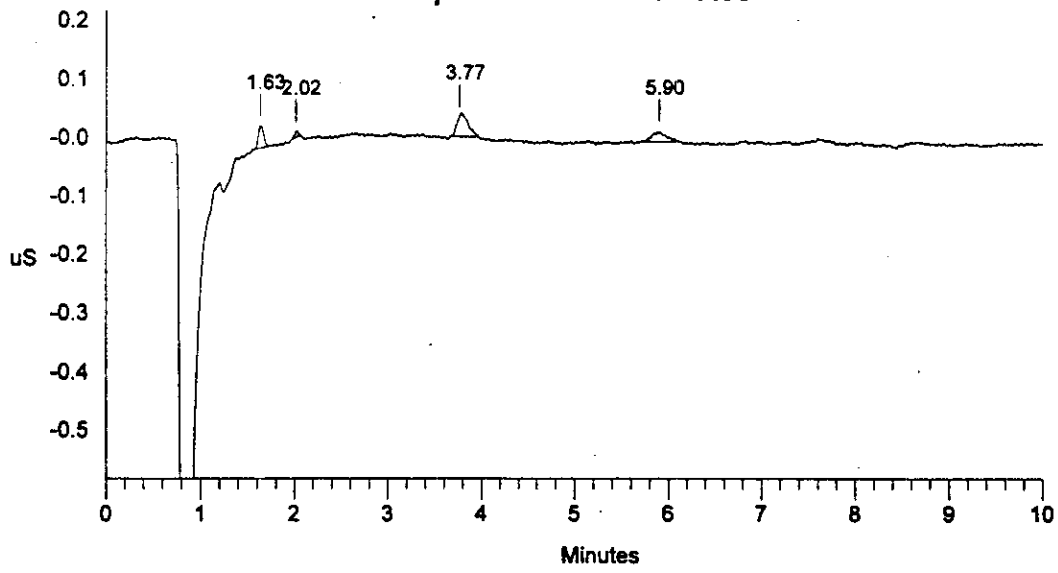
Sample Name: A9509282B4 - A03	Date: 09/28/1995 21:18:14
Data File : C:\DX\DATA\9509282\95092821.D40	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 40 Vial:A03	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.63	CHLORIDE	0.098	37845	152170	1	0.00
3	3.77	NITRATE	0.229	33708	315909	1	0.00
4	5.90	PHOSPHATE	0.210	17688	184312	1	-4.74
		Totals	0.538	89241	652392		

File: 95092821.D40 Sample: A9509282B4 - A03

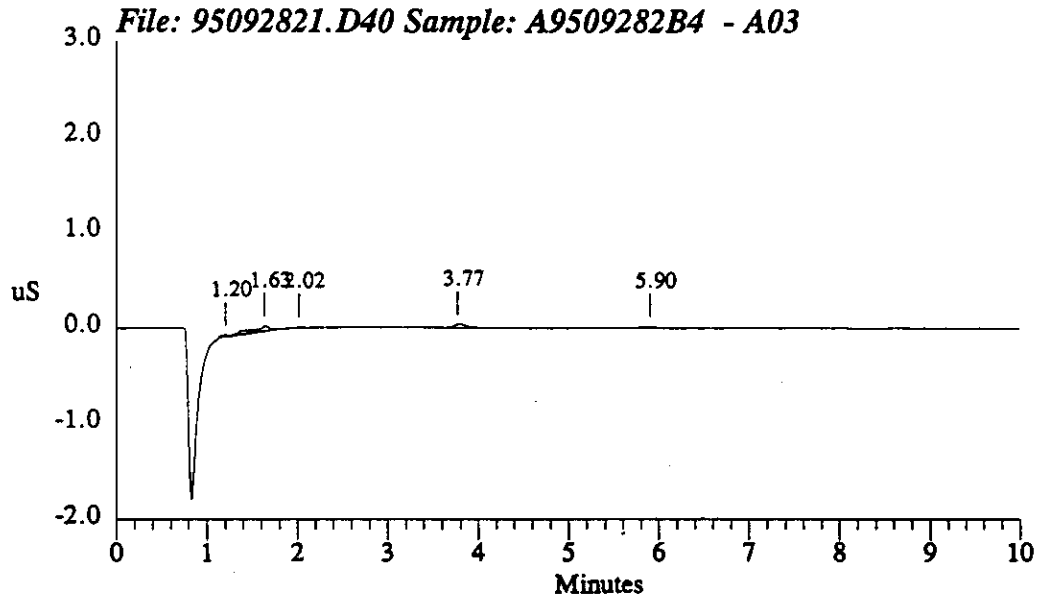


Sample Name: A9509282B4 - A03 Date: 09/28/1995 21:18:14
Data File : C:\DX\DATA\9509282\95092821.D40
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 40 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.20		0.000	16996	61402	1	
2	1.63	CHLORIDE	0.126	62942	951056	1	0.00
3	2.02	NITRITE	0.195	15702	76628	1	-1.63
4	3.77	NITRATE	0.239	39978	462311	1	0.00
5	5.90	PHOSPHATE	0.216	18920	231250	1	-4.74
		Totals	0.776	154537	1782648		



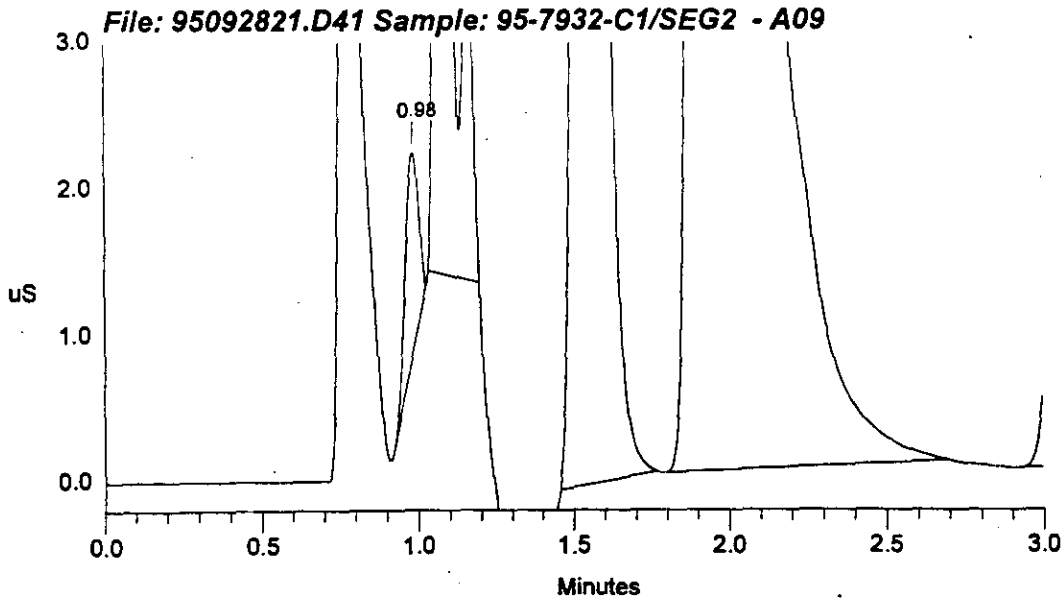
Data Reprocessed On 09/29/1995 00:50:10

Sample Name: 95-7932-C1/SEG2 - A09		Date: 09/28/1995 21:31:03
Data File : A:\95092821.D41		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 41 Vial:A09		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	3.00		30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.687	1373500	4110333	1	5.38
2	1.08		0.000	7480024	28941683	1	
3	1.55	CHLORIDE	31.669	17145423	94069978	1	0.00
4	2.02	NITRITE	542.327	137963930	1076662916	1	3.66
5	3.10	BROMIDE	-34282.824	405000098	5379752164	1	5.38
6	4.93		0.000	316778	3647139	1	
7	5.77	PHOSPHATE	8.115	336769	4704650	1	1.17
8	7.53	SULFATE	11.181	949532	18477962	1	0.00
		Totals	-33687.845	570566054	6610366825		



Data Reprocessed On 09/28/1995 21:08:39

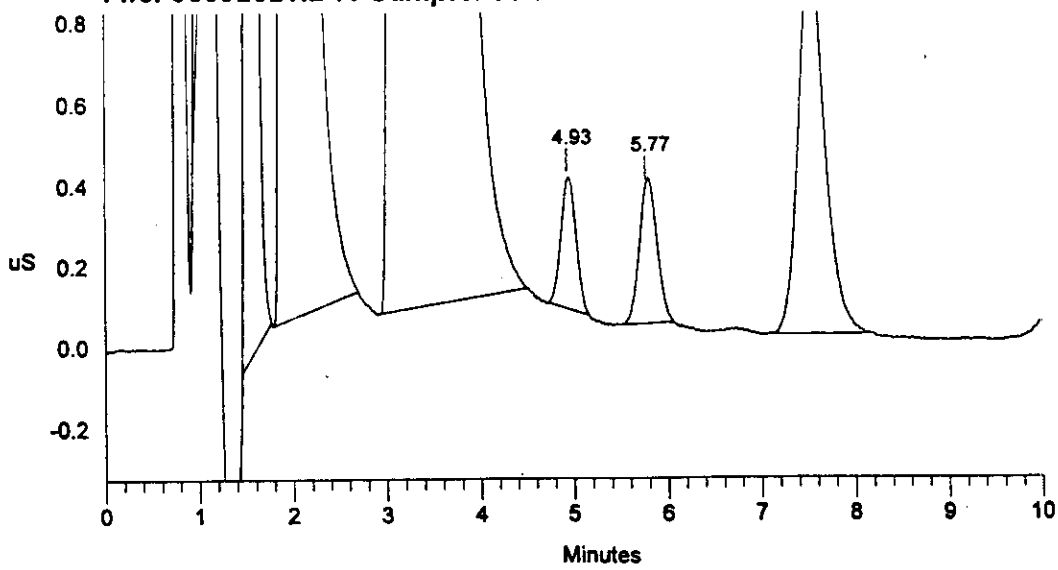
Sample Name: 95-7932-C1/SEG2 - A09	Date: 09/28/1995 21:31:03
Data File : C:\DX\DATA\9509282\95092821.D41	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 41 Vial:A09	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	1.546	1247216	3446080	1	5.38
2	1.08		0.000	7480024	28941683	1	
3	1.55	CHLORIDE	31.669	17145423	94069978	1	0.00
4	2.02	NITRITE	542.327	137963930	1076662916	1	3.66
5	3.10	BROMIDE	-34282.824	405000098	5379752164	1	5.38
6	4.93		0.000	316778	3647139	1	
7	5.77	PHOSPHATE	8.115	336769	4704650	1	1.17
8	7.53	SULFATE	11.181	949532	18477962	1	0.00
		Totals	-33687.985	570439769	6609702572		

File: 95092821.D41 Sample: 95-7932-C1/SEG2 - A09



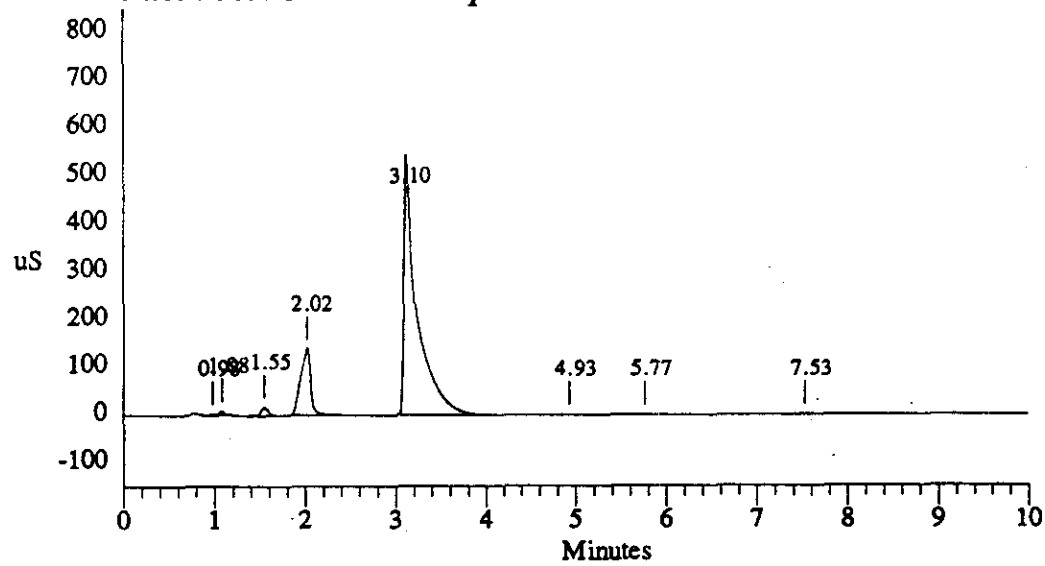
Sample Name: 95-7932-C1/SEG2 - A09 Date: 09/28/1995 21:31:03
Data File : C:\DX\DATA\9509282\95092821.D41
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 41 Vial:A09 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	2.091	1798622	6017364	2	5.38
2	1.08		0.000	8027520	32886880	2	
3	1.55	CHLORIDE	34.620	17659965	103803882	1	0.00
4	2.02	NITRITE	543.310	137978998	1078675191	1	3.66
5	3.10	BROMIDE	-34310.604	405004206	5381779348	1	5.38
6	4.93		0.000	317713	3581795	1	
7	5.77	PHOSPHATE	8.623	344516	5087145	1	1.17
8	7.53	SULFATE	11.362	955259	18829460	1	0.00
		Totals	-33710.599	572086800	6630661065		

File: 95092821.D41 Sample: 95-7932-C1/SEG2 - A09



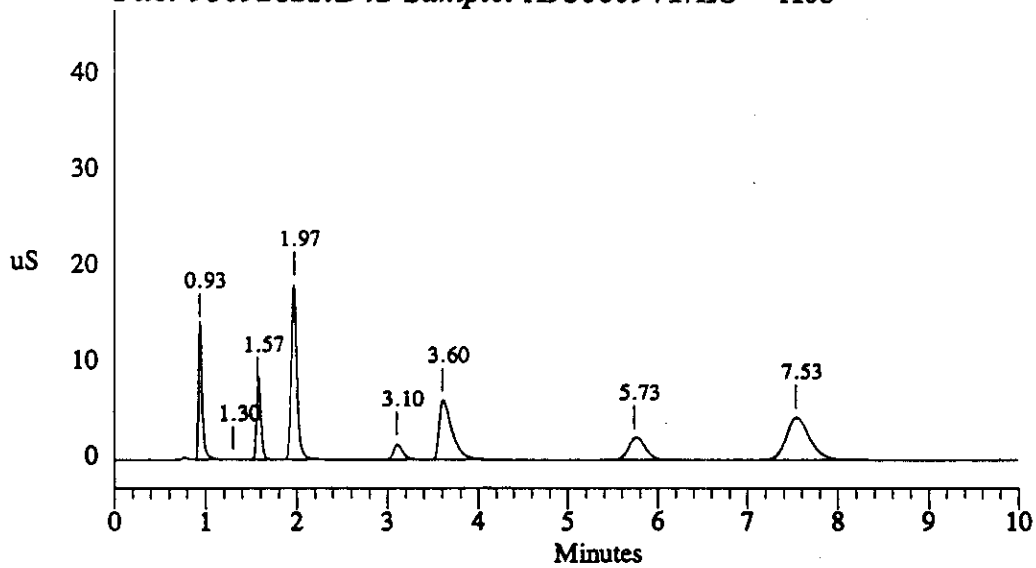
Sample Name: A950609V1/LO - A05 Date: 09/28/1995 21:43:38
Data File : C:\DX\DATA\9509282\95092821.D42
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 42 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	18.989	13880390	41050354	3	-1.05
2	1.30		0.000	55608	351890	4	
3	1.57	CHLORIDE	21.559	7260999	28832294	1	0.00
4	1.97	NITRITE	87.344	18283620	81169877	1	0.02
5	3.10	BROMIDE	22.965	1597553	11988633	1	4.26
6	3.60	NITRATE	85.171	6153841	62716898	1	0.00
7	5.73	PHOSPHATE	85.658	2267942	31332002	1	-3.14
8	7.53	SULFATE	86.723	4471852	81872234	1	0.00
		Totals	408.409	53971805	339314183		

File: 95092821.D42 Sample: A950609V1/LO - A05



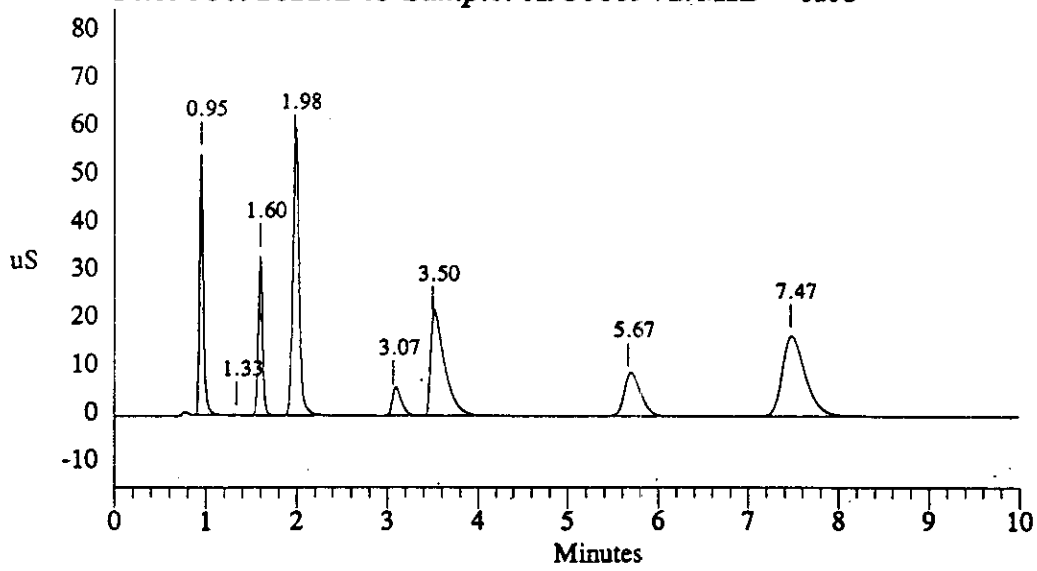
Sample Name: A950609V2/MID - A05 Date: 09/28/1995 21:56:40
Data File : C:\DX\DATA\9509282\95092821.D43
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 43 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	15	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	23.381	54373448	163082669	1	-1.38
2	1.33		0.000	104723	543264	1	
3	1.60	CHLORIDE	24.928	33353400	113079943	1	0.00
4	1.98	NITRITE	100.044	55923062	289441142	1	-1.24
5	3.07	BROMIDE	25.410	4620948	42182454	1	0.99
6	3.50	NITRATE	97.421	20202660	235938986	1	0.00
7	5.67	PHOSPHATE	96.867	8391072	116169892	1	-1.53
8	7.47	SULFATE	97.354	16664679	299950916	1	0.00
		Totals	465.405	193633992	1260389265		

File: 95092821.D43 Sample: A950609V2/MID - A05



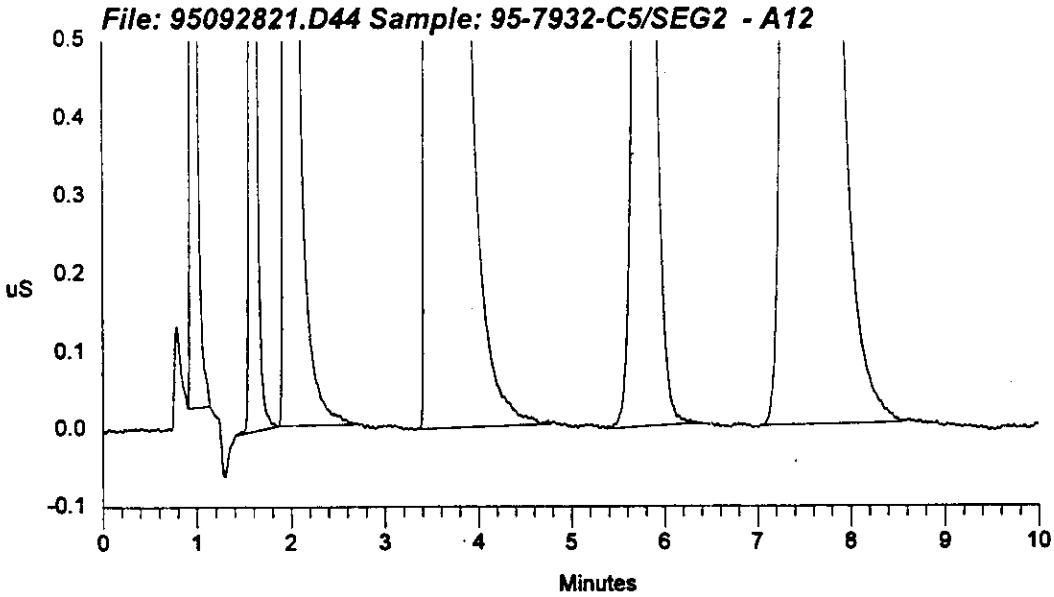
Data Reprocessed On 09/28/1995 21:10:17

Sample Name: 95-7932-C5/SEG2 - A12	Date: 09/28/1995 22:23:52
Data File : C:\DX\DATA\9509282\95092821.D44	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 44 Vial:A12	Detector:PED-Cond.
Analyst : MMO - Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	4.645	4855339	18086918	1	-0.34
2	1.58	CHLORIDE	5.070	2699529	11983200	1	0.00
3	1.98	NITRITE	41.749	16908089	77423966	1	-0.20
4	3.50	NITRATE	195.684	29288745	327041069	1	0.00
5	5.77	PHOSPHATE	31.604	1661903	22619083	1	0.21
6	7.50	SULFATE	136.708	15650839	279000588	1	0.00
		Totals	415.460	71064444	736154824		



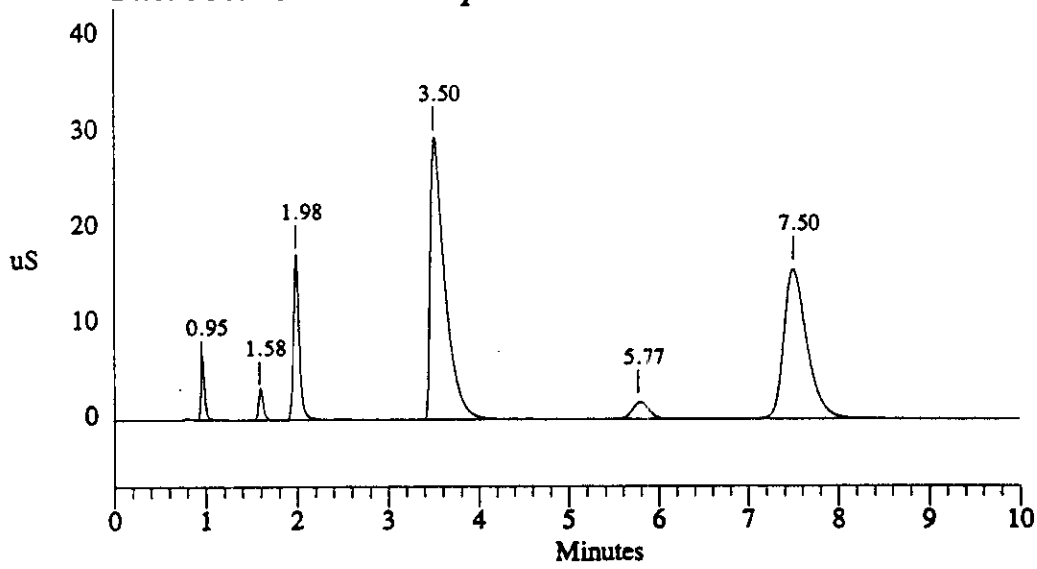
```
Sample Name: 95-7932-C5/SEG2  - A12          Date: 09/28/1995 22:23:52
Data File  : C:\DX\DATA\9509282\95092821.D44
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 44  Vial:A12          Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	4.645	4855339	18086918	1	-0.34
2	1.58	CHLORIDE	5.309	2723789	12680529	1	0.00
3	1.98	NITRITE	41.827	16908635	77577291	1	-0.20
4	3.50	NITRATE	195.839	29289336	327335004	1	0.00
5	5.77	PHOSPHATE	31.990	1664356	22917163	1	0.21
6	7.50	SULFATE	136.852	15652389	279320674	1	0.00
		Totals	416.462	71093844	737917580		

File: 95092821.D44 Sample: 95-7932-C5/SEG2 - A12



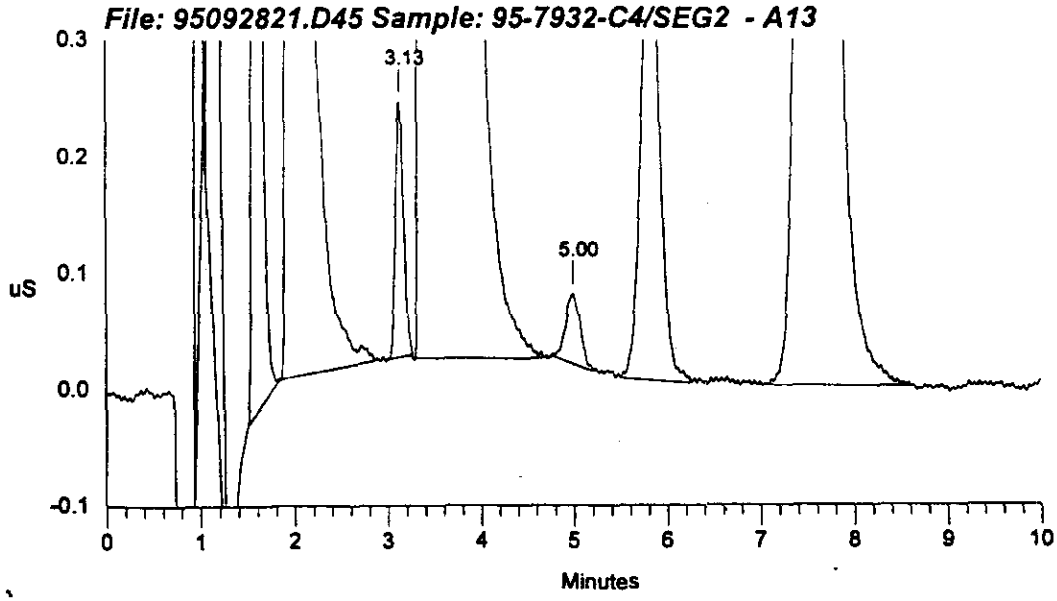
Data Reprocessed On 09/28/1995 21:11:59

Sample Name: 95-7932-C4/SEG2 - A13	Date: 09/28/1995 22:40:20
Data File : C:\DX\DATA\9509282\95092821.D45	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 45 Vial:A13	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	50	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	9.818	1431443	5417834	1	0.35
2	1.12		0.000	1376368	6806342	1	
3	1.60	CHLORIDE	35.514	3893672	17938331	1	0.00
4	2.00	NITRITE	572.835	41876096	219710776	1	-0.41
5	3.13	BROMIDE	7.433	219185	1328224	1	3.18
6	3.40	NITRATE	2138.428	70018355	892628089	1	0.00
7	5.00		0.000	60257	641289	1	
8	5.80	PHOSPHATE	46.852	387146	5651232	1	3.75
9	7.57	SULFATE	142.281	2726794	52251502	1	0.00
		Totals	2953.162	121989315	1202373619		



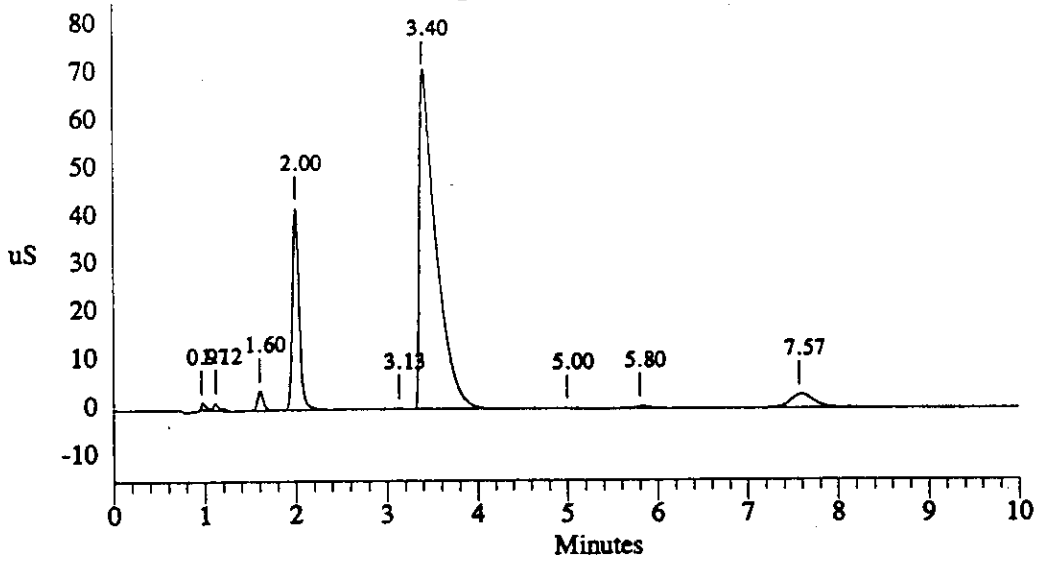
Sample Name: 95-7932-C4/SEG2 - A13 Date: 09/28/1995 22:40:20
Data File : C:\DX\DATA\9509282\95092821.D45
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 45 Vial:A13 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	50	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	9.763	1294587	5365193	2	0.35
2	1.12		0.000	1512532	8036769	2	
3	1.60	CHLORIDE	39.268	3977417	20149746	1	0.00
4	2.00	NITRITE	572.798	41876032	219696244	1	-0.41
5	3.13	BROMIDE	7.433	219185	1328224	1	3.18
6	3.40	NITRATE	2138.428	70018355	892628089	1	0.00
7	5.00		0.000	60159	643794	1	
8	5.80	PHOSPHATE	46.926	386718	5662363	1	3.75
9	7.57	SULFATE	142.551	2727473	52358100	1	0.00
		Totals	2957.167	122072457	1205868521		

File: 95092821.D45 Sample: 95-7932-C4/SEG2 - A13



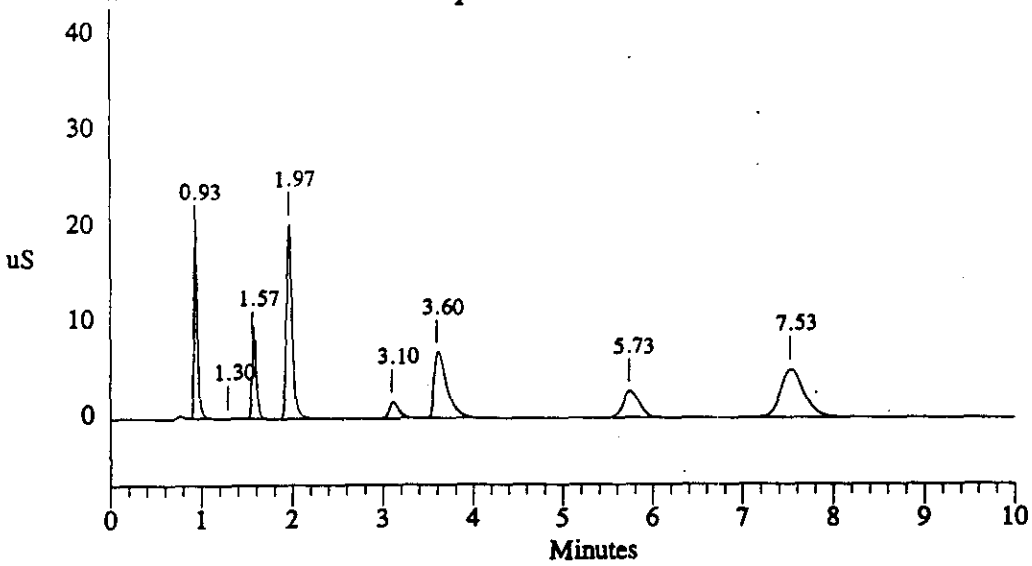
Sample Name: A950609V1/LO - A05 Date: 09/28/1995 22:52:57
Data File : C:\DX\DATA\9509282\95092821.D46
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 46 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	23.913	18881074	52729008	1	-1.05
2	1.30		0.000	51215	268707	1	
3	1.57	CHLORIDE	23.763	7814469	32128569	1	0.00
4	1.97	NITRITE	96.885	20265316	90462102	1	0.02
5	3.10	BROMIDE	25.282	1724454	13245998	1	4.26
6	3.60	NITRATE	93.751	6836930	69508371	1	0.00
7	5.73	PHOSPHATE	96.755	2689837	35676783	1	-3.14
8	7.53	SULFATE	96.982	5054626	92173349	1	0.00
		Totals	457.331	63317921	386192887		

File: 95092821.D46 Sample: A950609V1/LO - A05



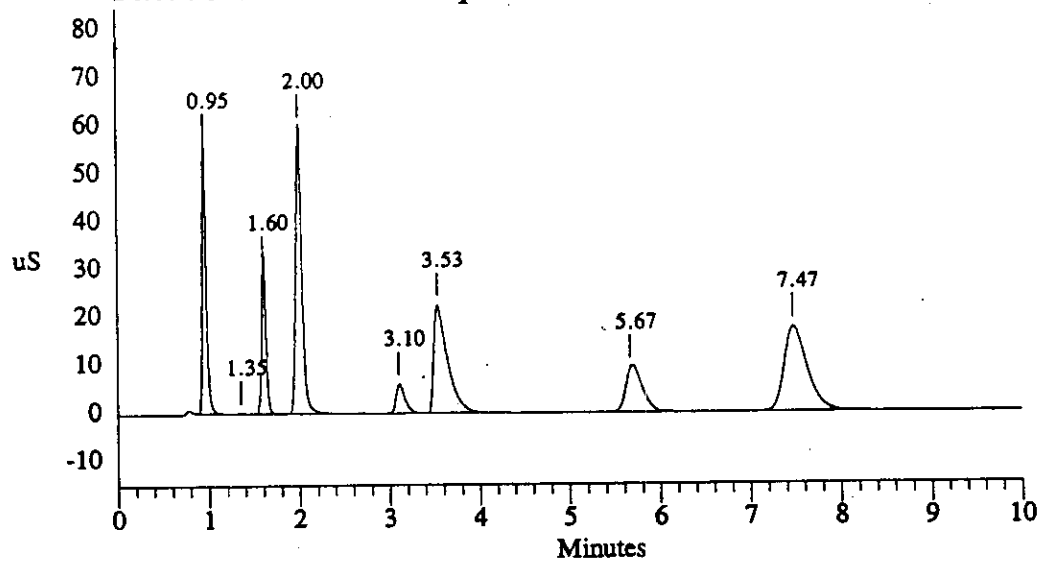
Sample Name: A950609V2/MID - A05 Date: 09/28/1995 23:05:58
Data File : C:\DX\DATA\9509282\95092821.D47
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 47 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	15	1	.3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	25.153	55805870	175854051	1	-1.38
2	1.35		0.000	128993	676743	1	
3	1.60	CHLORIDE	25.108	30444550	113992776	1	0.00
4	2.00	NITRITE	101.267	59901585	293050185	1	-0.41
5	3.10	BROMIDE	25.862	5946864	42991253	1	2.08
6	3.53	NITRATE	97.873	22397958	237146641	1	0.00
7	5.67	PHOSPHATE	102.977	9218738	124295774	1	-2.46
8	7.47	SULFATE	102.046	17622777	315939586	1	0.00
		Totals	480.287	201467335	1303947010		

File: 95092821.D47 Sample: A950609V2/MID - A05



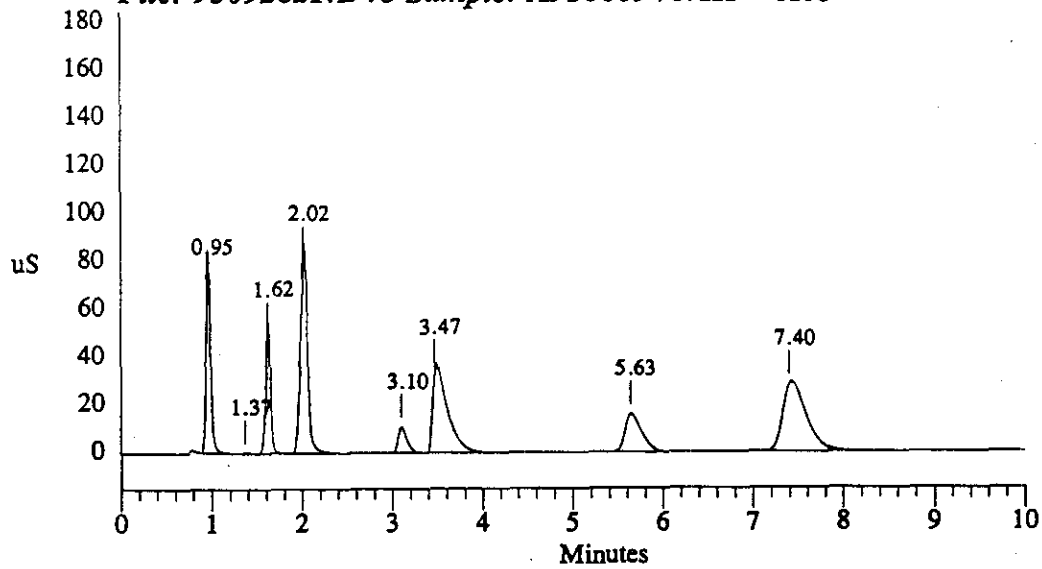
Sample Name: A950609V3/HI - A05 Date: 09/28/1995 23:19:22
Data File : C:\DX\DATA\9509282\95092821.D48
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 48 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	25	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	24.333	67091608	287625075	1	-2.39
2	1.37		0.000	153412	912404	1	
3	1.62	CHLORIDE	24.610	49520625	200222665	1	0.00
4	2.02	NITRITE	98.286	81340626	478532256	1	-0.61
5	3.10	BROMIDE	24.936	10778268	72479346	1	1.03
6	3.47	NITRATE	96.665	33527258	417743450	1	0.00
7	5.63	PHOSPHATE	97.404	15910993	209271864	1	-1.17
8	7.40	SULFATE	97.211	28488017	535712495	1	0.00
		Totals	463.446	286810806	2202499554		

File: 95092821.D48 Sample: A950609V3/HI - A05



Data Reprocessed On 09/28/1995 21:38:40

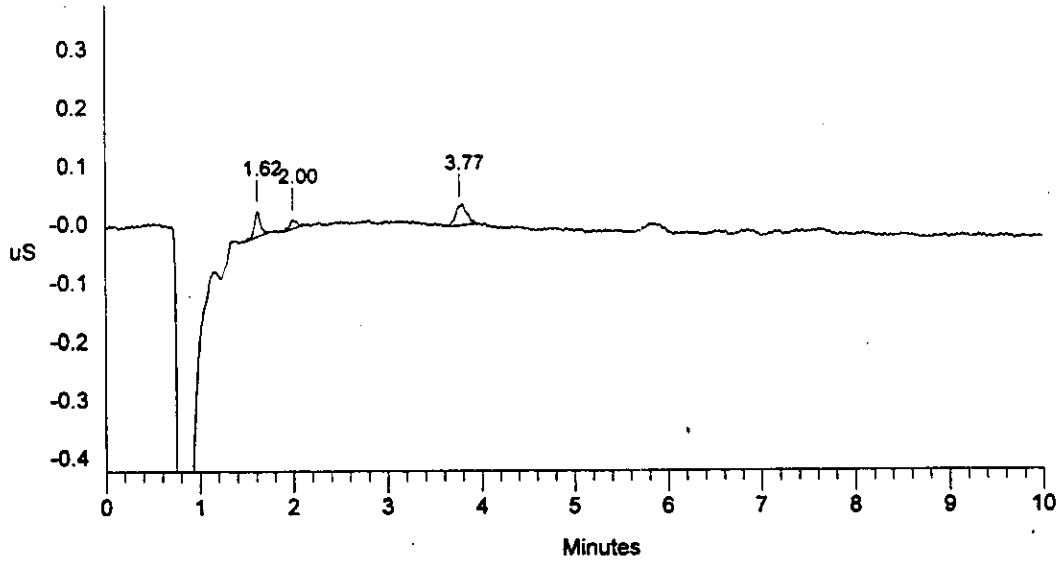
Sample Name: A9509282B5 - A03	Date: 09/28/1995 23:35:51
Data File : C:\DX\DATA\9509282\95092821.D49	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 49 Vial:A03	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.62	CHLORIDE	0.100	42882	194846	1	0.00
2	2.00	NITRITE	0.195	15158	84292	1	-1.43
3	3.77	NITRATE	0.228	33110	297215	1	0.00
		Totals	0.523	91150	576353		

File: 95092821.D49 Sample: A9509282B5 - A03



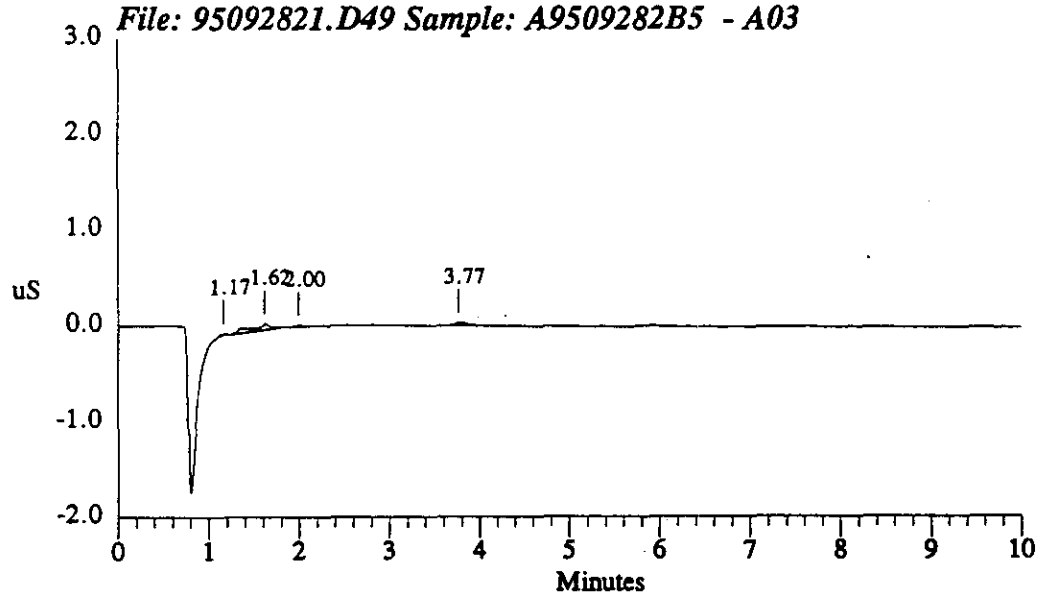
```
Sample Name: A9509282B5  - A03                Date: 09/28/1995 23:35:51
Data File  : C:\DX\DATA\9509282\95092821.D49
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 49  Vial:A03        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17		0.000	13253	51147	1	
2	1.62	CHLORIDE	0.129	65103	1042614	1	0.00
3	2.00	NITRITE	0.195	15158	84292	1	-1.43
4	3.77	NITRATE	0.235	35690	406106	1	0.00
		Totals	0.560	129204	1584159		

File: 95092821.D49 Sample: A9509282B5 - A03

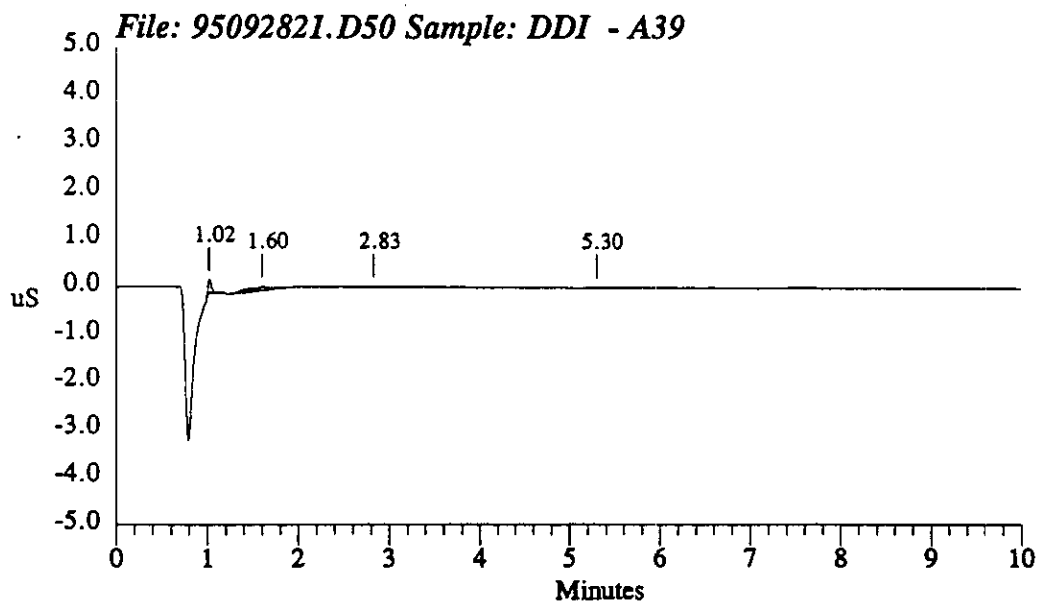


Sample Name: DDI - A39 Date: 09/28/1995 23:52:17
Data File : C:\DX\DATA\9509282\95092821.D50
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 50 Vial:A39 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	0.097	269346	733689	1	5.54
2	1.60	CHLORIDE	0.148	80388	1571718	1	0.00
3	2.83	BROMIDE	0.064	9550	445448	1	-6.70
4	5.30	PHOSPHATE	0.206	9446	152950	1	-7.02
		Totals	0.515	368730	2903805		



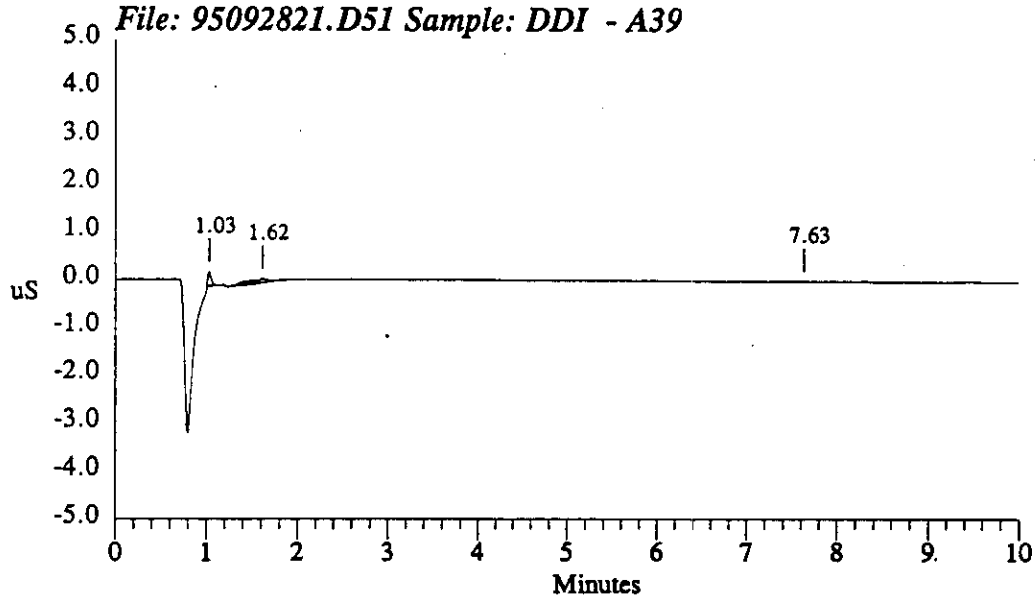
Sample Name: DDI - A39 Date: 09/29/1995 00:08:36
Data File : C:\DX\DATA\9509282\95092821.D51
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 51 Vial:A39 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.03	FLUORIDE	0.099	311048	803813	1	6.17
2	1.62	CHLORIDE	0.152	91228	1689797	1	0.00
3	7.63	SULFATE	0.174	13840	253871	1	0.00
		Totals	0.424	416116	2747480		

File: 95092821.D51 Sample: DDI - A39



AI-450 AS3500 Editor - 09142SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A06	1	1	AUTOCAL1R	2anions2	95091421	1	1	
2	A06	2	1	AUTOCAL2R	2anions2	95091421	1	1	
3	A07	5	1	AUTOCAL3R	2anions2	95091421	1	1	
4	A07	10	1	AUTOCAL4R	2anions2	95091421	1	1	
5	A07	20	1	AUTOCAL5R	2anions2	95091421	1	1	
6	A07	30	1	AUTOCAL6R	2anions2	95091421	1	1	
7	A06	1	1	CAL CHECK 1	2anions2	95091421	1	1	
8	A07	30	1	CAL CHECK 6	2anions2	95091421	1	1	
9	A04	5	1	A950609V1/LO	2anions2	95091421	1	1	
10	A04	15	1	A950609V2/MID	2anions2	95091421	1	1	
11	A04	25	1	A950609V3/HI	2anions2	95091421	1	1	
12	A01	100	3	A9509142B1	2anions2	95091421	1	1	
13	B01	1	1	95-7932-C1/SEG2	2anions2	95091421	1	1	
14	B02	1	1	95-7935-C1/SEG3	2anions2	95091421	1	1	
15	B03	100	1	95-7941-C3/PB-SEG1	2anions2	95091421	1	1	
16	B04	5	1	95-7941-C1/SEG1	2anions2	95091421	1	1	
17	B05	1	1	DUP95-7941-C2/SEG1	2anions2	95091421	1	1	
18	B05	5	1	DUP95-7941-C2/SEG1	2anions2	95091421	1	1	
19	B06	5	1	MS95-7941-C4	2anions2	95091421	1	1	
20	B07	5	1	SB95-7941-C5	2anions2	95091421	1	1	
21	B08	20	1	95-7942-C1/QS2A	2anions2	95091421	100	1	
22	B09	20	1	DUP95-7942-C2/QS2A	2anions2	95091421	100	1	
23	A04	5	1	A950609V1/LO	2anions2	95091421	1	1	
24	A04	15	1	A950609V2/MID	2anions2	95091421	1	1	
25	A04	25	1	A950609V3/HI	2anions2	95091421	1	1	
26	A02	100	2	A9509142B2	2anions2	95091421	1	1	
27	B10	5	1	95-7942-C1/QS2A	2anions2	95091421	1	1	
28	B11	1	1	DUP95-7942-C2/QS2A	2anions2	95091421	1	1	
29	B11	5	1	DUP95-7942-C2/QS2A	2anions2	95091421	1	1	
30	B12	5	1	95-7943-C1/QS4D	2anions2	95091421	1	1	
31	B13	1	1	DUP95-7943-C2/QS4D	2anions2	95091421	1	1	
32	B13	5	1	DUP95-7943-C2/QS4D	2anions2	95091421	1	1	
33	B14	5	1	95-7944-C1/QS3A	2anions2	95091421	1	1	
34	B15	1	1	DUP95-7944-C2/QS3A	2anions2	95091421	1	1	
35	B15	5	1	DUP95-7944-C2/QS3A	2anions2	95091421	1	1	
36	B16	5	1	95-7945-C1/QS4A	2anions2	95091421	1	1	
37	A05	5	1	A950609V1/LO	2anions2	95091421	1	1	
38	A05	15	1	A950609V2/MID	2anions2	95091421	1	1	
39	A05	25	1	A950609V3/HI	2anions2	95091421	1	1	
40	A03	100	2	A9509142B3	2anions2	95091421	1	1	
41	B17	2	1	DUP95-7945-C2/QS4A	2anions2	95091421	1	1	
42	B17	5	1	DUP95-7945-C2/QS4A	2anions2	95091421	1	1	
43	B18	5	1	95-7946-C1/QS4B	2anions2	95091421	1	1	
44	B19	2	1	DUP95-7946-C2/QS4B	2anions2	95091421	1	1	
45	B19	5	1	DUP95-7946-C2/QS4B	2anions2	95091421	1	1	
46	B20	5	1	95-7947-C1/QS4C	2anions2	95091421	1	1	
47	B21	2	1	DUP95-7947-C2/QS4C	2anions2	95091421	1	1	
48	B21	5	1	DUP95-7947-C2/QS4C	2anions2	95091421	1	1	
49	B22	5	1	95-7948-C1/QS4D	2anions2	95091421	1	1	
50	B23	2	1	DUP95-7948-C2/QS4D	2anions2	95091421	1	1	
51	A05	5	1	A950609V1/LO	2anions2	95091421	1	1	
52	A05	15	1	A950609V2/MID	2anions2	95091421	1	1	
53	A05	25	1	A950609V3/HI	2anions2	95091421	1	1	
54	A03	100	2	A9509142B3	2anions2	95091421	1	1	
55	B23	5	1	DUP95-7948-C2/QS4D	2anions2	95091421	1	1	
56	B04	1	1	95-7941-C1/SEG1	2anions2	95091421	1	1	
57	B06	1	1	MS95-7941-C4	2anions2	95091421	1	1	

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Templa (.PRI
58	B07	10	1	SB95-7941-C5	2anions2	95091421	1	1	
59	B24	100	1	95-7932-C3/PB-SEG2	2anions2	95091421	1	1	
60	B25	1	1	DUP95-7932-C2/SEG2	2anions2	95091421	1	1	
61	B01	5	1	95-7932-C1/SEG2	2anions2	95091421	1	1	
62	B25	5	1	DUP95-7932-C2/SEG2	2anions2	95091421	1	1	
63	B26	1	1	MS95-7932-C4/SEG2	2anions2	95091421	1	1	
64	B26	10	1	MS95-7932-C4/SEG2	2anions2	95091421	1	1	
65	A06	5	1	A950609V1/LO	2anions2	95091421	1	1	
66	A06	15	1	A950609V2/MID	2anions2	95091421	1	1	
67	A06	25	1	A950609V3/HI	2anions2	95091421	1	1	
68	A38	100	2	A9509142B4	2anions2	95091421	1	1	
69	B27	10	1	SB95-7932-C5/SEG2	2anions2	95091421	1	1	
70	B28	1	1	DUP95-7935-C2/SEG3	2anions2	95091421	1	1	
71	B02	5	1	95-7935-C1/SEG3	2anions2	95091421	1	1	
72	B28	5	1	DUP95-7935-C2/SEG3	2anions2	95091421	1	1	
73	A07	5	1	A950609V1/LO	2anions2	95091421	1	1	
74	A07	15	1	A950609V2/MID	2anions2	95091421	1	1	
75	A07	25	1	A950609V3/HI	2anions2	95091421	1	1	
76	A37	100	2	A9509142B5	2anions2	95091421	1	1	
77	A39	100	2	DDI	2anions2	95091421	1	1	
78	A40	1	1	NO RUN	2shutdn	95091421	1	1	

More Run Parameters

#	Vial Pos	Oven Ctl	Oven Set	Cool Ctl	Cool Set	Cycle Time	Flush Vol	Visc Factor	Prep Visc	Inj Type	Needle Height
1	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
2	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
3	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
4	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
5	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
6	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
7	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
8	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
9	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
10	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
11	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
12	A01	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
13	B01	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
14	B02	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
15	B03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
16	B04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
17	B05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
18	B05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
19	B06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
20	B07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
21	B08	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
22	B09	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
23	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
24	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
25	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0

26	A02	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
27	B10	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
28	B11	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
29	B11	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
30	B12	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
31	B13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
32	B13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
33	B14	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
34	B15	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
35	B15	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
36	B16	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
37	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
38	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
39	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
40	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
41	B17	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
42	B17	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
43	B18	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
44	B19	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
45	B19	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
46	B20	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
47	B21	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
48	B21	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
49	B22	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
50	B23	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
51	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
52	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
53	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
54	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
55	B23	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
56	B04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
57	B06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
58	B07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
59	B24	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
60	B25	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
61	B01	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
62	B25	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
63	B26	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
64	B26	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
65	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
66	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
67	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
68	A38	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
69	B27	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
70	B28	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
71	B02	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
72	B28	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
73	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
74	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
75	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
76	A37	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
77	A39	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
78	A40	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0

Comment :

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst. M. Mill 9-28-95 RT VALUES FROM d02 Reviewer. P K Meleffil 9/29/95.

********** Units of Measurement: ug/ml (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F 0.95	Cl 1.60	NO2 2.00	Br 3.10	NO3 3.53	PO4 5.70	SO4 7.50
09/28.d06	95-7932-C1/SEG2 - A09	BSLN 10	10.0	1.6	31.1	531.7	0.0	-2249.9	9.6	10.7
09/28.d41	95-7932-C1/SEG2 - A09	10	10.0	1.7 ~~1.5~~	X (0.92) 31.7	OR X 542.3	-34282.8	0.0	8.1	11.2
09/28.d07	95-7932-C2/SEG2 - A10	10	10.0	1.7 ~~1.4~~	X (0.93) 30.4	OR X 513.3	0.0	-2039.7	7.5	10.3
09/28.d08	95-7932-C4/SEG2 - A11	10	10.0	2.0 ~~1.4~~	X (0.95) 34.9	553.6	0.0	-2671.2	34.8	153.5
09/28.d10	95-7932-C4/SEG2 - A13	BSLN 100	50.0	8.3	35.6	580.0	5.2	2182.7	23.9	149.7
09/28.d45	95-7932-C4/SEG2 - A13	100	50.0	9.8	35.5	572.8	7.4	2138.4	46.9	142.3
09/28.d09	95-7932-C5/SEG2 - A12	BSLN 10	10.0	3.9	4.9	41.2	0.0	193.6	30.6	140.5
09/28.d44	95-7932-C5/SEG2 - A12	10	10.0	4.6	5.1	41.7	0.0	195.7	31.6	136.7
09/28.d11	95-7941-C1/SEG1 - A14	100	50.0	59.3	9.5	78.0	5.9	554.3	(0.95) 638.9	X 13.1
09/28.d12	95-7941-C2/SEG1 - A15	100	50.0	44.1	9.6	77.9	5.7	657.9	(1.00) 517.1	X 10.4
09/28.d13	95-7941-C4/SEG1 - A16	100	50.0	75.7	13.1	115.3	5.2	738.0	(1.13) 763.1	X 141.1
09/28.d14	95-7941-C5/SEG1 - A17	10	10.0	4.6	5.7	43.8	0.0	203.5	32.7	146.7
09/28.d15	95-7943-C1/QS2D - A18	100	200.0	45.0	29.0	212.6	5.4	2635.5	169.8	126.5
09/28.d20	95-7943-C2/QS2D - A19	100	200.0	50.1	31.6	226.9	6.8	3044.7	180.2	132.6
09/28.d21	95-7944-C1/QS3A - A20	100	200.0	58.0	29.4	194.5	0.0	2379.9	98.9	196.8
09/28.d22	95-7944-C2/QS3A - A21	100	200.0	47.4	28.9	169.0	0.0	3059.7	108.1	156.3
09/28.d23	95-7945-C1/QS4A - A22	10	10.0	* X (0.87) 66.8	(0.87) 11.1	X OR 300.8	0.0	510.2	(0.91) 185.1	451.1
09/28.d25	95-7945-C1/QS4A - A22	5	20.0	(0.91) 70.6	(0.91) 11.6	(0.92) 304.8	0.0	852.7	(0.88) 179.1	(0.94) 508.0
09/28.d27	95-7945-C1/QS4A - A24	100	100.0	70.5	19.1	292.6	0.0	949.6	187.9	516.3
09/28.d24	95-7945-C2/QS4A - A23	10	10.0	* X (0.87) 53.7	(0.91) 12.5	X OR 344.7	-34771.6	0.0	(0.96) 159.9	(0.96) 245.1
09/28.d26	95-7945-C2/QS4A - A23	5	20.0	(0.94) 57.6	(0.93) 12.9	(0.95) 346.9	0.0	X ~~282.2~~	(0.91) 151.8	(0.93) 237.8
09/28.d28	95-7945-C2/QS4A - A25	100	100.0	59.1	21.1	332.6	0.0	2351.7	161.6	240.4
09/28.d29	95-7946-C1/QS4B - A26	10	10.0	1.4 ~~1.1~~	(0.86) 10.9	346.4	0.0	448.3	(0.91) 229.7	(0.88) 42.9
09/28.d34	95-7946-C2/QS4B - A27	10	10.0	1.5 ~~2.4~~	(0.92) 14.2	442.5	0.0	512.7	412.6	(0.86) 36.0
09/28.d35	95-7948-C1/QS4D - A28	10	10.0	1.4 ~~3.2~~	(0.9) 10.8	344.8	0.0	406.2	519.5	(0.90) 182.5

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

X : DATA NOT USED

OR: OVERRANGE

BSLN: BASELINE IRREGULARITIES

NOTE: VALUES IN PARENTHESES ARE RATIOS WITH RESPECT TO 9/14 DATA.

* : RATIO OF $\frac{9/28 \text{ VALUE}}{9/14 \text{ VALUE}} \sim 0.87$

3-1465

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

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst: M. Mill 9-28-95

Reviewer: PK Mehthil 9/29/95

********** Units of Measurement: ug/ml (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
09/28.d36	95-7948-C2/QS4D - A29	10	10.0	1.3 ~~2.1~~ mult 10.3.95	(0.83) 11.1	390.0	0.0	441.9	467.1	(0.89) 96.0

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

NOTE: VALUES IN PARENTHESES ARE RATIOS WITH RESPECT TO 9/14 DATA

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

3-1466

E509142Y.CAV

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. Mill 9/29/95

Reviewer PK Meleth 9/29/95

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
09/14.d15	95-7932-C1/SEG2 - B01	1	100.0	12.1	38.8	569.0	7.5	2377.8	29.9	32.1
09/14.d66	95-7932-C1/SEG2 - B01	5	20.0	3.8	34.4	588.6	2.2	358.9	~~12.4~~	~~18.2~~
09/14.d65	DUP95-7932-C2/SEG2 - B25	1	100.0	24.1	43.5	573.3	8.2	2365.7	32.5	33.3
09/14.d67	DUP95-7932-C2/SEG2 - B25	5	20.0	4.2	32.7	564.4	2.1	488.3	~~12.5~~	~~14.6~~
09/14.d64	95-7932-C3/PB-SEG2 - B24	100	1.0	0.1	0.2	0.3	0.0	0.8	0.3	0.6
09/14.d68	MS95-7932-C4/SEG2 - B26	1	100.0	16.9	40.5	572.4	7.2	2387.6	54.7	158.5
09/14.d69	MS95-7932-C4/SEG2 - B26	10	10.0	2.0	38.3	569.8	-58534.5	0.0	41.5	168.3
09/14.d75	SB95-7932-C5 - B27	10	10.0	~~5.3~~	~~5.5~~	~~46.5~~	0.0	~~212.8~~	~~36.9~~	~~153.0~~
09/14.d16	95-7935-C1/SEG3 - B02	1	100.0	11.1	37.6	562.7	3.4	2037.1	29.3	30.7
09/14.d77	95-7935-C1/SEG3 - B02	5	20.0	3.8	34.2	601.3	0.0	641.8	~~12.8~~	16.2
09/14.d76	DUP95-7935-C2/SEG3 - B28	1	100.0	24.2	39.6	592.4	3.9	2126.6	32.5	34.4
09/14.d78	DUP95-7935-C2/SEG3 - B28	5	20.0	3.8	32.8	576.2	2.2	729.0	~~12.1~~	15.4
09/14.d61	95-7941-C1/SEG1 - B04	1	100.0	68.0	14.5	91.8	5.6	567.1	~~669.7~~	24.5
09/14.d18	95-7941-C1/SEG1 - B04	5	20.0	66.5	6.7	81.5	5.5	~~577.5~~	645.2	7.2
09/14.d19	DUP95-7941-C2/SEG1 - B05	1	100.0	52.9	14.3	87.7	5.8	~~628.0~~	495.3	25.0
09/14.d20	DUP95-7941-C2/SEG1 - B05	5	20.0	52.7	6.5	80.3	5.1	645.2	~~516.0~~	7.2
09/14.d17	95-7941-C3/PB-SEG1 - B03	100	1.0	0.2	0.7	0.2	0.0	1.5	0.3	1.2
09/14.d62	MS95-7941-C4 - B06	1	100.0	69.1	17.5	114.7	5.1	~~652.2~~	~~670.4~~	140.8
09/14.d21	MS95-7941-C4 - B06	5	20.0	75.8	10.3	118.1	5.1	695.8	700.9	142.3
09/14.d22	SB95-7941-C5 - B07	5	20.0	6.1	6.9	46.1	0.0	207.9	36.6	148.7
09/14.d63	SB95-7941-C5 - B07	10	10.0	~~5.3~~	~~6.2~~	~~48.0~~	0.0	~~218.4~~	~~36.4~~	~~156.0~~
09/14.d23	95-7942-C1/QS2A - B08	20	500.0	52.3	57.6	216.8	27.3	5970.4	143.3	111.3
09/14.d30	95-7942-C1/QS2A - B10	5	20.0	4.7	8.2	125.2	-130601.0	0.0	21.9	9.3
09/14.d24	DUP95-7942-C2/QS2A - B09	20	500.0	51.6	56.6	213.6	0.0	6003.8	141.6	0.0
09/14.d31	DUP95-7942-C2/QS2A - B11	1	100.0	12.6	15.9	123.8	2.4	4615.2	38.8	27.5

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

NOTE: CROSSED OUT VALUES (HIGHLIGHTED) HAVE NOT BEEN USED

Mill 10-3-95

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. O'Neill 9/29/95

Reviewer PK Nelettil 9/29/95

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
09/14.d32	DUP95-7942-C2/QS2A - B11	5	20.0	4.5	7.6	110.3	-116690.0	0.0	20.7	8.4
09/14.d33	95-7943-C1/QS4D - B12	5	20.0	42.0	12.7	221.2	-23272.5	OR ~~0.0~~	150.4	104.4
09/14.d34	DUP95-7943-C2/QS4D - B13	1	100.0	48.5	21.1	221.5	3.7	~~2969.4~~	165.8	122.6
09/14.d35	DUP95-7943-C2/QS4D - B13	5	20.0	45.4	13.7	231.6	-32953.4	~~0.0~~	161.5	114.1
09/14.d36	95-7944-C1/QS3A - B14	5	20.0	56.8	12.3	205.7	0.0	OR ~~196.3~~	76.5	198.2
09/14.d37	DUP95-7944-C2/QS3A - B15	1	100.0	44.3	17.4	149.2	0.0	~~2777.3~~	94.3	139.1
09/14.d38	DUP95-7944-C2/QS3A - B15	5	20.0	44.6	10.2	164.5	-33416.2	0.0	90.4	143.0
09/14.d39	95-7945-C1/QS4A - B16	5	20.0	77.6	12.8	330.5	0.0	OR ~~884.2~~	~~203.1~~	542.7
09/14.d45	DUP95-7945-C2/QS4A - B17	2	50.0	59.6	16.3	342.3	0.0	OR ~~2085.7~~	156.3	238.1
09/14.d46	DUP95-7945-C2/QS4A - B17	5	20.0	61.6	13.8	364.6	0.0	312.3	~~166.7~~	255.6
09/14.d47	95-7946-C1/QS4B - B18	5	20.0	2.9	12.7	382.4	0.0	548.9	251.4	48.0
09/14.d48	DUP95-7946-C2/QS4B - B19	2	50.0	6.1	18.3	494.9	0.0	703.2	503.3	48.5
09/14.d49	DUP95-7946-C2/QS4B - B19	5	20.0	2.8	15.5	475.0	0.0	666.0	500.5	41.9
09/14.d50	95-7947-C1/QS4C - B20	5	20.0	2.4	12.4	382.5	0.0	485.9	OR 615.4	138.3
09/14.d51	DUP95-7947-C2/QS4C - B21	2	50.0	5.4	14.6	370.6	0.0	469.4	681.3	150.7
09/14.d52	DUP95-7947-C2/QS4C - B21	5	20.0	2.4	13.8	436.7	0.0	542.7	733.7	175.8
09/14.d53	95-7948-C1/QS4D - B22	5	20.0	2.7	12.0	381.9	0.0	471.6	OR 766.9	202.6
09/14.d54	DUP95-7948-C2/QS4D - B23	2	50.0	7.1	19.2	390.8	0.0	477.4	988.3	100.5
09/14.d60	DUP95-7948-C2/QS4D - B23	5	20.0	3.8	13.3	428.9	0.0	525.0	887.8	107.6

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

OR = OVERRANGE

Crossed out values not USED mwll 10-3-95

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

3-1468

e5091BZY.CBU

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. Mecill 9/29/95

Reviewer PK Meletiul 9/29/95

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
09/18.d22	SPIKE CHECK 950713 - A08	1	100.0	166.4	161.3	395.0	169.6	425.6	407.1	408.9
09/18.d23	95-7932-C1/SEG2 - A09	100	100.0	12.9	43.9	573.8	10.2	2415.9	32.8	27.5
09/18.d26	95-7932-C1/SEG2 - A12	100	20.0	2.2	31.4	565.2	5.1	776.9	10.7	13.0
09/18.d24	MS95-7932-C1/SEG2 - A10	100	100.0	191.7	216.5	995.7	190.6	2744.5	445.1	463.8
09/18.d25	MSD95-7932-C1/SEG2 - A11	100	100.0	190.8	214.5	1027.9	197.0	2815.4	472.0	472.7
09/18.d27	MS95-7932-C1/SEG2 - A13	100	20.0	20.6	67.9	631.0	35.6	785.0	102.3	105.6
09/18.d28	MSD95-7932-C1/SEG2 - A14	100	20.0	20.0	68.8	646.5	34.8	734.4	101.3	105.2
09/18.d40	MS95-7932-C4/SEG2 - A21	100	100.0	16.5	41.6	571.8	9.0	2448.4	56.1	159.1
09/18.d29	MS95-7932-C4/SEG2 - B26	5	20.0	4.1	36.9	609.3	3.6	578.8	~~42.2~~	~~167.8~~
09/18.d41	MS95-7932-C4/SEG2 - A22	100	20.0	3.9	35.7	600.6	5.0	621.1	42.9	156.4
09/18.d30	95-7941-C1/SEG1 - A15	100	50.0	60.8	10.5	79.1	6.3	565.5	652.2	14.9
09/18.d37	95-7941-C1/SEG1 - A18	100	20.0	66.5	6.5	77.3	5.4	563.2	648.0	7.1
09/18.d31	MS95-7941-C1/SEG1 - A16	100	50.0	164.5	97.8	309.2	102.9	817.3	893.8	238.8
09/18.d32	MSD95-7941-C1/SEG1 - A17	100	50.0	167.8	98.9	314.0	102.5	830.8	932.8	242.2
09/18.d38	MS95-7941-C1/SEG1 - A19	100	20.0	104.8	41.6	170.2	43.2	651.6	733.5	96.0
09/18.d39	MSD95-7941-C1/SEG1 - A20	100	20.0	116.2	43.2	187.6	44.5	738.3	821.8	99.6
09/18.d42	MS95-7941-C4/SEG1 - A23	100	100.0	70.2	18.5	118.7	6.3	704.6	719.8	145.4
09/18.d43	MS95-7941-C4/SEG1 - A24	100	20.0	74.3	10.5	114.9	5.0	700.7	707.1	139.5

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

Crossed out values not used MEW 10-3-95

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

3-1469

e509b21r.csv

****REPORT GENERATION FOR LIQUID SAMPLES****
This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.
Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.
Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.
M&TE ID: WD02514,PN900902 METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst: M. O'Neil 9/29/95 Reviewer: MW Chin 10-3-95

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
09/08.d05	95-7941-C3/BLANK - A05	100	1.0	0.0	0.7	0.0	0.0	1.5	0.2	1.1
09/08.d06	95-7941-C1/SEG 1 - A06	1	100.0	68.4	9.6	88.8	9.7	559.8	622.2	21.7
09/08.d07	95-7942-C1/QS2A - A07	1	100.0	12.0	12.3	126.1	0.0	5402.7	29.4	23.5
09/08.d08	95-7943-C1/QS2D - A08	1	100.0	41.3	16.6	205.6	5.9	2652.2	144.1	106.4
09/08.d09	95-7944-C1/QS3A - A09	1	100.0	59.4	15.6	194.7	0.0	2522.1	82.5	187.4
09/08.d10	95-7945-C1/QS4A - A10	1	100.0	73.4	15.3	297.8	0.0	938.4	177.8	484.6
09/08.d11	95-7946-C1/QS4B - A11	1	100.0	8.7	15.6	356.9	0.0	506.3	226.6	57.8
09/08.d12	95-7947-C1/QS4C - A12	1	100.0	12.8	15.4	353.2	0.0	438.1	546.0	133.9
09/08.d13	95-7948-C1/QS4D - A13	1	100.0	11.7	15.1	346.1	0.0	430.7	743.8	188.5

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

NOTE: PO4 VALUES MAY BE LOW BY UPTO 20% (1/10 INJ; SEE SYS 2 RESULTS ON SP. CHK.)

3-1470

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

FOR DATA REVIEW

FOR DATA REVIEW

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993

METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neil 9-28-95

Reviewer P K Meletiel 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/28.d01	A950609V1/LO - A04	5	1	0.46	0.48	1.75	0.48	1.81	1.85	1.83
09/28.d02	A950609V2/MID - A04	15	1	3.71	3.70	14.42	3.72	14.20	14.23	14.32
09/28.d03	A950609V3/HI - A04	25	1	6.23	6.18	24.34	6.35	24.65	24.75	25.21
09/28.d04	A9509282B1 - A01	100	1	0.00	0.10	0.00	0.00	0.00	0.00	0.00
09/28.d05	A950609V1/LO - A04	5	1	1.18	1.15	4.55	1.18	4.39 •	5.09	4.44 •
09/28.d06	95-7932-C1/SEG2 - A09	10	1	0.16	3.11	53.17	0.00	-224.99	0.96	1.07
09/28.d07	95-7932-C2/SEG2 - A10	10	1	0.14	3.04	51.33	0.00	-203.97	0.75	1.03
09/28.d08	95-7932-C4/SEG2 - A11	10	1	0.14	3.49	55.36	0.00	-267.12	3.48	15.35
09/28.d09	95-7932-C5/SEG2 - A12	10	1	0.39	0.49	4.12	0.00	19.36	3.06	14.05
09/28.d10	95-7932-C4/SEG2 - A13	100	50	0.17	0.71	11.60	0.10	43.65	0.48	2.99
09/28.d11	95-7941-C1/SEG1 - A14	100	50	1.19	0.19	1.56	0.12	11.09	12.78	0.26
09/28.d12	95-7941-C2/SEG1 - A15	100	50	0.88	0.19	1.56	0.11	13.16	10.34	0.21
09/28.d13	95-7941-C4/SEG1 - A16	100	50	1.51	0.26	2.31	0.10	14.76	15.26	2.82
09/28.d14	95-7941-C5/SEG1 - A17	10	1	0.46	0.57	4.38	0.00	20.35	3.27	14.67
09/28.d15	95-7943-C1/QS2D - A18	100	200	0.22	0.14	1.06	0.03	13.18	0.85	0.63
09/28.d16	A950609V1/LO - A04	5	1	1.18	1.20	4.83	1.29	4.71	4.84	4.85
09/28.d17	A950609V2/MID - A04	15	1	3.58	3.72	14.78	3.78	14.56	14.94	14.91
09/28.d19	A9509282B2 - A02	100	1	0.00	0.10	0.20	0.00	0.22	0.00	0.00
09/28.d20	95-7943-C2/QS2D - A19	100	200	0.25	0.16	1.13	0.03	15.22	0.90	0.86
09/28.d21	95-7944-C1/QS3A - A20	100	200	0.29	0.15	0.97	0.00	11.90	0.49	0.98
09/28.d22	95-7944-C2/QS3A - A21	100	200	0.24	0.14	0.84	0.00	15.30	0.54	0.78
09/28.d23	95-7945-C1/QS4A - A22	10	1	6.68	1.11	30.08	0.00	51.02	18.51	45.11
09/28.d24	95-7945-C2/QS4A - A23	10	1	5.37	1.25	34.47	-3477.16	0.00	15.99	24.51
09/28.d25	95-7945-C1/QS4A - A22	5	1	3.53	0.58	15.24	0.00	42.63	8.95	25.40
09/28.d26	95-7945-C2/QS4A - A23	5	1	2.88	0.64	17.35	0.00	39.11	7.59	11.89

add d18 →

SAMPLES ANALYZED ON: 09/28/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

3-1471

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

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst: M. O'Neill 9-28-95 Reviewer: PK Meltzer 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/28.d27	95-7945-C1/QS4A - A24	100	100	0.70	0.19	2.93	0.00	9.50	1.88	5.16
09/28.d28	95-7945-C2/QS4A - A25	100	100	0.59	0.21	3.33	0.00	23.52	1.62	2.40
09/28.d29	95-7946-C1/QS4B - A26	10	1	0.11	1.09	34.64	0.00	44.83	22.97	4.29
09/28.d30	A950609V1/LO - A04	5	1	1.18	1.16	4.73	1.24	4.56	4.75	4.75
09/28.d31	A950609V2/MID - A04	15	1	3.66	3.72	14.93	3.82	14.46	14.57	14.60
09/28.d32	A950609V3/HI - A04	25	1	6.14	6.14	24.57	6.30	23.75	24.71	24.64
09/28.d33	A9509282B3 - A03	100	1	0.00	0.10	0.00	0.00	0.22	0.00	0.00
09/28.d34	95-7946-C2/QS4B - A27	10	1	0.24	1.42	44.25	0.00	51.27	41.26	3.60
09/28.d35	95-7948-C1/QS4D - A28	10	1	0.32	1.08	34.48	0.00	40.62	51.95	18.25
09/28.d36	95-7948-C2/QS4D - A29	10	1	0.21	1.11	39.00	0.00	44.19	46.71	9.60
09/28.d37	A950609V1/LO - A04	5	1	1.20	1.18	4.81	1.27	4.63	4.92	4.86
09/28.d38	A950609V2/MID - A04	15	1	3.73	3.76	15.11	3.82	14.68	15.00	14.94
09/28.d39	A950609V3/HI - A04	25	1	6.25	6.27	25.08	6.41	24.20	25.59	25.36
09/28.d40	A9509282B4 - A03	100	1	0.00	0.10	0.00	0.00	0.23	0.21	0.00
09/28.d41	95-7932-C1/SEG2 - A09	10	1	0.15	3.17	54.23	-3428.28	0.00	0.81	1.12
09/28.d42	A950609V1/LO - A05	5	1	0.95 •	1.08•	4.37 •	1.15	4.26 •	4.28 •	4.34 •
09/28.d43	A950609V2/MID - A05	15	1	3.51 •	3.74	15.01	3.81	14.61	14.53	14.60
09/28.d44	95-7932-C5/SEG2 - A12	10	1	0.46	0.51	4.17	0.00	19.57	3.16	13.67
09/28.d45	95-7932-C4/SEG2 - A13	100	50	0.20	0.71	11.46	0.15	42.77	0.94	2.85
09/28.d46	A950609V1/LO - A05	5	1	1.20	1.19	4.84	1.26	4.69	4.84	4.85
09/28.d47	A950609V2/MID - A05	15	1	3.77	3.77	15.19	3.88	14.68	15.45	15.31
09/28.d48	A950609V3/HI - A05	25	1	6.08	6.15	24.57	6.23	24.17	24.35	24.30
09/28.d49	A9509282B5 - A03	100	1	0.00	0.10	0.20	0.00	0.23	0.00	0.00

SAMPLES ANALYZED ON: 09/28/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 9/29/95 Reviewer PK Meleties 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/14.d01	AUTOCAL1R - A06	100	1	0.25	0.25	0.50	0.25	0.50	0.50	0.50
09/14.d02	AUTOCAL2R - A06	100	1	0.50	0.50	1.00	0.50	1.00	1.00	1.00
09/14.d03	AUTOCAL3R - A07	100	1	1.25	1.25	5.00	1.25	5.00	5.00	5.00
09/14.d04	AUTOCAL4R - A07	100	1	2.50	2.50	10.00	2.50	10.00	10.00	10.00
09/14.d05	AUTOCAL5R - A07	100	1	5.00	5.00	20.00	5.00	20.00	20.00	20.00
09/14.d06	AUTOCAL6R - A07	100	1	7.50	7.50	30.00	7.50	30.00	30.00	30.00
09/14.d07	CAL CHECK 1 - A06	1	1	0.30	0.30	0.63	0.27	0.63	0.66	0.64
09/14.d08	CAL CHECK 6 - A07	30	1	6.85	6.85	27.27	6.80	27.33	27.14	27.06
09/14.d09	A950609V1/LO - A04	5	1	1.21	1.21	4.90	1.29	4.79	4.97	4.94
09/14.d10	A950609V2/MID - A04	15	1	3.83	3.81	15.41	3.91	15.00	15.45	15.37
09/14.d11	A950609V3/HI - A04	25	1	6.43	6.46	25.72	6.58	25.36	26.10	25.93
09/14.d12	A9509142B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/14.d13	A9509142B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/14.d14	A9509142B1 - A01	100	1	0.00	0.11	0.00	0.00	0.00	0.00	0.00
09/14.d15	95-7932-C1/SEG2 - B01	1	1	0.12	0.39	5.69	0.07	23.78	0.30	0.32
09/14.d16	95-7935-C1/SEG3 - B02	1	1	0.11	0.38	5.63	0.03	20.37	0.29	0.31
09/14.d17	95-7941-C3/PB-SEG1 -	100	1	0.17	0.73	0.24	0.00	1.55	0.29	1.21
09/14.d18	95-7941-C1/SEG1 - B04	5	1	3.33	0.33	4.07	0.27	28.87	32.26	0.36
09/14.d19	DUP95-7941-C2/SEG1 -	1	1	0.53	0.14	0.88	0.06	6.26	4.95	0.25
09/14.d20	DUP95-7941-C2/SEG1 -	5	1	2.64	0.33	4.02	0.26	32.26	25.80	0.36
09/14.d21	MS95-7941-C4 - B06	5	1	3.79	0.52	5.90	0.26	34.79	35.04	7.11
09/14.d22	SB95-7941-C5 - B07	5	1	0.30	0.34	2.31	0.00	10.40	1.83	7.44
09/14.d23	95-7942-C1/QS2A - B08	20	100	0.10	0.12	0.43	0.05	11.94	0.29	0.22
09/14.d24	DUP95-7942-C2/QS2A -	20	100	0.10	0.11	0.43	0.00	12.01	0.28	0.00
09/14.d25	A950609V1/LO - A04	5	1	1.32	1.31	5.35	1.41	5.19	5.42	5.37

SAMPLES ANALYZED ON: 09/14/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 9/29/95 Reviewer P K Mellthil 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/14.d26	A950609V2/MID - A04	15	1	3.91	3.99	15.93	4.09	15.66	16.23	16.03
09/14.d27	A950609V3/HI - A04	25	1	6.61	6.67	26.52	6.82	26.12	27.12	26.80
09/14.d28	A9509142B2 - A02	100	1	0.00	0.14	0.00	0.03	0.25	0.00	0.00
09/14.d29	A9509142B2 - A02	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/14.d30	95-7942-C1/QS2A - B10	5	1	0.23	0.41	6.26	-6530.05	0.00	1.09	0.46
09/14.d31	DUP95-7942-C2/QS2A -	1	1	0.13	0.16	1.24	0.02	46.15	0.39	0.27
09/14.d32	DUP95-7942-C2/QS2A -	5	1	0.23	0.38	5.51	-5834.50	0.00	1.03	0.42
09/14.d33	95-7943-C1/QS4D - B12	5	1	2.10	0.63	11.06	-1163.63	0.00	0.34	5.22
09/14.d34	DUP95-7943-C2/QS4D	1	1	0.49	0.21	2.21	0.04	29.69	1.66	1.23
09/14.d35	DUP95-7943-C2/QS4D	5	1	2.27	0.68	11.58	-1647.67	0.00	8.07	5.70
09/14.d36	95-7944-C1/QS3A - B14	5	1	2.84	0.62	10.29	0.00	9.81	0.30	9.91
09/14.d37	DUP95-7944-C2/QS3A -	1	1	0.44	0.17	1.49	0.00	27.77	0.94	1.39
09/14.d38	DUP95-7944-C2/QS3A -	5	1	2.23	0.51	8.23	-1670.81	0.00	4.52	7.15
09/14.d39	95-7945-C1/QS4A - B16	5	1	3.88	0.64	16.52	0.00	44.21	10.15	27.13
09/14.d40	A950609V1/LO - A05	5	1	1.35	1.33	5.38	1.42	5.21	5.54	5.40
09/14.d41	A950609V2/MID - A05	15	1	4.06	4.12	16.54	4.23	16.25	16.84	16.57
09/14.d42	A950609V3/HI - A05	25	1	6.68	6.69	26.82	6.88	26.59	27.50	27.06
09/14.d43	A9509142B3 - A03	100	1	0.00	0.22	0.00	0.00	0.24	0.00	0.00
09/14.d44	A9509142B3 - A03	100	1	0.00	0.22	0.24	0.00	0.41	0.00	0.00
09/14.d45	DUP95-7945-C2/QS4A -	2	1	1.19	0.33	6.85	0.00	41.67	3.13	4.76
09/14.d46	DUP95-7945-C2/QS4A -	5	1	3.08	0.69	18.23	0.00	15.61	0.36	12.78
09/14.d47	95-7946-C1/QS4B - B18	5	1	0.14	0.63	19.12	0.00	27.44	12.57	2.40
09/14.d48	DUP95-7946-C2/QS4B -	2	1	0.12	0.37	9.90	0.00	14.06	10.07	0.97
09/14.d49	DUP95-7946-C2/QS4B -	5	1	0.14	0.77	23.75	0.00	33.30	25.02	2.10
09/14.d50	95-7947-C1/QS4C - B20	5	1	0.12	0.62	19.13	0.00	24.30	30.77	6.92

SAMPLES ANALYZED ON: 09/14/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 9/29/95 Reviewer PK Neletul 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/14.d51	DUP95-7947-C2/QS4C	2	1	0.11	0.29	7.41	0.00	9.39	13.63	3.01
09/14.d52	DUP95-7947-C2/QS4C	5	1	0.32	0.84	21.84	0.00	27.14	36.68	8.79
09/14.d53	95-7948-C1/QS4D - B22	5	1	0.20	0.75	19.09	0.00	23.58	38.34	10.13
09/14.d54	DUP95-7948-C2/QS4D	2	1	0.14	0.38	7.82	0.00	9.55	19.77	2.01
09/14.d55	A950609V1/LO - A05	5	1	1.34	1.32	5.34	1.41	5.20	5.47	5.36
09/14.d56	A950609V2/MID - A05	15	1	4.04	4.10	16.43	4.19	16.16	16.75	16.44
09/14.d57	A950609V3/HI - A05	25	1	6.76	6.80	27.15	6.90	26.82	27.69	27.27
09/14.d58	A9509142B3 - A03	100	1	0.11	0.27	0.32	0.00	1.12	0.32	0.27
09/14.d59	A9509142B3 - A03	100	1	0.19	0.30	0.80	0.03	6.11	0.81	0.59
09/14.d60	DUP95-7948-C2/QS4D	5	1	0.18	0.85	21.45	0.00	26.25	44.39	5.38
09/14.d61	95-7941-C1/SEG1 - B04	1	1	0.68	0.15	0.92	0.06	5.67	6.70	0.24
09/14.d62	MS95-7941-C4 - B06	1	1	0.69	0.18	1.15	0.05	6.52	6.70	1.41
09/14.d63	SB95-7941-C5 - B07	10	1	0.53	0.62	4.80	0.00	21.64	3.64	15.60
09/14.d64	95-7932-C3/PB-SEG2 -	100	1	0.10	0.20	0.32	0.00	0.81	0.28	0.59
09/14.d65	DUP95-7932-C2/SEG2 -	1	1	0.24	0.43	5.73	0.08	23.66	0.32	0.33
09/14.d66	95-7932-C1/SEG2 - B01	5	1	0.19	1.89	29.43	0.11	19.00	0.53	0.76
09/14.d67	DUP95-7932-C2/SEG2 -	5	1	0.21	1.85	28.22	0.10	24.41	0.50	0.73
09/14.d68	MS95-7932-C4/SEG3 -	1	1	0.17	0.41	5.72	0.07	23.88	0.55	1.58
09/14.d69	MS95-7932-C4/SEG3 -	10	1	0.20	3.83	56.98	-5853.45	0.00	4.15	16.83
09/14.d70	A950609V1/LO - A06	5	1	1.08	1.28	5.23	1.36	5.09	5.21	5.19
09/14.d71	A950609V2/MID - A06	15	1	3.84	4.12	16.56	4.22	16.23	16.86	16.56
09/14.d72	A950609V3/HI - A06	25	1	6.55	6.78	27.08	6.90	26.61	27.65	27.23
09/14.d73	A9509142B4 - A38	100	1	0.00	0.11	0.00	0.00	0.00	0.28	0.00
09/14.d74	A9509142B4 - A38	100	1	0.00	0.13	0.24	0.00	0.24	0.00	0.00
09/14.d75	SB95-7932-C5/SEG3 -	10	1	0.53	0.55	4.65	0.00	21.28	3.59	15.30

SAMPLES ANALYZED ON: 09/14/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

WHC-SD-WM-DP-146, REV. 1

3-1475

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993

METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 9/29/95

Reviewer PK Nelthil 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/14.d76	DUP95-7935-C2/SEG3 -	1	1	0.24	0.40	5.92	0.04	21.27	0.32	0.34
09/14.d77	95-7935-C1/SEG3 - B02	5	1	0.19	1.71	30.07	0.00	32.09	0.50	0.81
09/14.d78	DUP95-7935-C2/SEG3 -	5	1	0.19	1.64	28.81	0.11	36.45	0.50	0.77
09/14.d79	A950609V1/LO - A07	5	1	0.95	1.01	4.11	1.07	4.01	4.12	4.13
09/14.d80	A950609V2/MID - A07	15	1	3.94	4.10	16.36	4.18	15.85	16.67	16.37
09/14.d81	A950609V3/HI - A07	25	1	6.63	6.72	26.81	6.87	25.29	27.35	26.89
09/14.d82	A9509142B5 - A37	100	1	0.00	0.11	0.00	0.00	0.24	0.29	0.23
09/14.d83	A9509142B5 - A37	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.23
09/14.d84	DDI - A39	100	1	0.10	0.00	0.42	0.00	0.00	0.26	0.00
09/14.d85	DDI - A39	100	1	0.10	0.14	0.00	0.00	0.25	0.00	0.00

SAMPLES ANALYZED ON: 09/14/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

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

3-1479

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. [illegible] 9/29/95 Reviewer P K Meldrum 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/18.d01	A950609V1/LO - A04	5	1	0.98	0.96	3.86	1.02	3.79	3.96	3.88
09/18.d02	A950609V2/MID - A04	15	1	4.07	4.11	16.49	4.21	16.25	16.75	16.54
09/18.d03	A950609V3/HI - A04	25	1	6.63	6.65	26.48	6.76	26.19	26.46	26.22
09/18.d04	A9509182B1 - A01	100	1	0.00	0.15	0.00	0.00	0.00	0.00	0.00
09/18.d05	A950609V1/LO - A04	5	1	1.32	1.29	5.29	1.39	5.16	5.43	5.34
09/18.d06	A950609V2/MID - A04	15	1	4.11	4.16	16.65	4.24	16.30	16.92	16.57
09/18.d07	SPIKE CHECK 950713 -	1	1	1.57	1.55	3.78	1.62	4.09	4.07	3.92
09/18.d08	AUTOCAL1R - A06	100	1	0.25	0.25	0.50	0.25	0.50	0.50	0.50
09/18.d09	AUTOCAL2R - A06	100	1	0.50	0.50	1.00	0.50	1.00	1.00	1.00
09/18.d10	AUTOCAL3R - A07	100	1	1.25	1.25	5.00	1.25	5.00	5.00	5.00
09/18.d11	AUTOCAL4R - A07	100	1	2.50	2.50	10.00	2.50	10.00	10.00	10.00
09/18.d12	AUTOCAL5R - A07	100	1	5.00	5.00	20.00	5.00	20.00	20.00	20.00
09/18.d13	AUTOCAL6R - A07	100	1	7.50	7.50	30.00	7.50	30.00	30.00	30.00
09/18.d14	CAL CHECK 1 - A06	1	1	0.28	0.30	0.58	0.30	0.65	0.64	0.62
09/18.d15	CAL CHECK 6 - A07	30	1	7.53	7.49	30.19	7.53	30.16	30.14	30.17
09/18.d16	A950609V1/LO - A04	5	1	1.26	1.24	5.01	1.32	4.81	5.02	5.00
09/18.d17	A950609V2/MID - A04	15	1	3.88	3.86	15.54	3.96	14.96	15.68	15.61
09/18.d18	A950609V3/HI - A04	25	1	6.43	6.48	25.85	6.59	25.40	26.30	26.12
09/18.d19	A9509182B2 - A01	100	1	0.00	0.13	0.00	0.00	0.00	0.24	0.00
09/18.d20	A9509182B2 - A01	100	1	0.00	0.12	0.00	0.00	0.00	0.20	0.17
09/18.d21	A9509182B2 - A01	100	1	0.00	0.13	0.00	0.00	0.00	0.23	0.00
09/18.d22	SPIKE CHECK 950713 -	1	1	1.66	1.61	3.95	1.70	4.26	4.07	4.09
09/18.d23	95-7932-C1/SEG2 - A09	100	100	0.13	0.44	5.74	0.10	24.16	0.33	0.28
09/18.d24	MS95-7932-C1/SEG2 -	100	100	1.92	2.17	9.96	1.91	27.45	4.45	4.64
09/18.d25	MSD95-7932-C1/SEG2	100	100	1.91	2.15	10.28	1.97	28.15	4.72	4.73

SAMPLES ANALYZED ON: 09/18/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

3-1477

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

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 9/29/95 Reviewer P K Meleth 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/18.d26	95-7932-C1/SEG2 - A12	100	20	0.11	1.57	28.26	0.26	38.84	0.53	0.65
09/18.d27	MS95-7932-C1/SEG2 -	100	20	1.03	3.40	31.55	1.78	39.25	5.12	5.28
09/18.d28	MSD95-7932-C1/SEG2	100	20	1.00	3.44	32.33	1.74	36.72	5.07	5.26
09/18.d29	MS95-7932-C4/SEG2 -	5	1	0.20	1.84	30.47	0.18	28.94	2.11	7.89
09/18.d30	95-7941-C1/SEG1 - A15	100	50	1.22	0.21	1.58	0.13	11.31	13.04	0.30
09/18.d31	MS95-7941-C1/SEG1 -	100	50	3.29	1.96	6.18	2.06	16.35	17.88	4.78
09/18.d32	MSD95-7941-C1/SEG1	100	50	3.36	1.98	6.28	2.05	16.62	18.66	4.84
09/18.d33	A950609V1/LO - A05	5	1	1.22	1.21	4.86	1.28	4.73	4.92	4.88
09/18.d34	A950609V2/MID - A05	15	1	3.97	4.02	16.07	4.07	15.71	16.23	16.15
09/18.d35	A950609V3/HI - A05	25	1	6.54	6.58	26.30	6.72	25.81	26.67	26.57
09/18.d36	A9509182B2 - A02	100	1	0.00	0.00	0.00	0.04	0.00	0.25	0.18
09/18.d37	95-7941-C1/SEG1 - A18	100	20	3.32	0.32	3.87	0.27	28.16	32.40	0.35
09/18.d38	MS95-7941-C1/SEG1 -	100	20	5.24	2.08	8.51	2.16	32.58	36.67	4.80
09/18.d39	MSD95-7941-C1/SEG1	100	20	5.81	2.16	9.38	2.22	36.92	41.09	4.98
09/18.d40	MS95-7932-C4/SEG2 -	100	100	0.16	0.42	5.72	0.09	24.48	0.56	1.59
09/18.d41	MS95-7932-C4/SEG2 -	100	20	0.20	1.78	30.03	0.25	31.05	2.15	7.82
09/18.d42	MS95-7941-C4/SEG1 -	100	100	0.70	0.18	1.19	0.06	7.05	7.20	1.45
09/18.d43	MS95-7941-C4/SEG1 -	100	20	3.72	0.52	5.74	0.25	35.03	35.36	6.98
09/18.d44	A950609V1/LO - A05	5	1	1.31	1.29	5.27	1.38	5.14	5.33	5.29
09/18.d45	A950609V2/MID - A05	15	1	4.02	4.00	16.18	4.09	15.79	16.34	16.23
09/18.d46	A950609V3/HI - A05	25	1	6.71	6.69	26.89	6.84	26.37	27.26	27.10
09/18.d47	A9509182B4 - A03	100	1	0.00	0.13	0.00	0.00	0.00	0.00	0.00
09/18.d48	DDI - A39	100	1	0.00	0.14	0.00	0.00	0.00	0.00	0.00
09/18.d49	DDI - A39	100	1	0.00	0.13	0.00	0.00	0.00	0.00	0.00

SAMPLES ANALYZED ON: 09/18/95 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. Moll 9/28/95 Reviewer P K Meleth 9/29/95

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
09/08.d01	A950609V1/LO - A04	5	1	1.15	1.18	4.77	1.22	4.73	4.66	4.79
09/08.d02	A950609V2/MID - A04	15	1	3.59	3.65	14.79	3.79	14.68	14.73	14.98
09/08.d03	A950609V3/HI - A04	25	1	6.03	6.09	24.81	6.46	24.20	24.76	24.95
09/08.d04	A950908B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.20	0.00
09/08.d05	95-7941-C3/BLANK - A0	100	1	0.00	0.69	0.00	0.00	1.46	0.20	1.09
09/08.d06	95-7941-C1/SEG 1 - A0	1	1	0.68	0.10	0.89	0.10	5.60	6.22	0.22
09/08.d07	95-7942-C1/QS2A - A07	1	1	0.12	0.12	1.26	0.00	54.03	0.29	0.24
09/08.d08	95-7943-C1/QS2D - A08	1	1	0.41	0.17	2.06	0.06	26.52	1.44	1.06
09/08.d09	95-7944-C1/QS3A - A09	1	1	0.59	0.16	1.95	0.00	25.22	0.83	1.87
09/08.d10	95-7945-C1/QS4A - A10	1	1	0.73	0.15	2.98	0.00	9.36	1.78	4.85
09/08.d11	95-7946-C1/QS4B - A11	1	1	0.09	0.16	3.57	0.00	5.06	2.27	0.58
09/08.d12	95-7947-C1/QS4C - A12	1	1	0.13	0.15	3.53	0.00	4.38	5.46	1.34
09/08.d13	95-7948-C1/QS4D - A13	1	1	0.12	0.15	3.46	0.00	4.31	7.44	1.88
09/08.d14	A950609V1/LO - A04	5	1	1.14	1.19	4.77	1.22	4.75	4.63	4.78
09/08.d15	A950609V2/MID - A04	15	1	3.59	3.65	14.90	3.78	14.63	14.81	14.99
09/08.d16	A950609V3/HI - A04	25	1	6.01	6.13	24.78	6.47	24.27	24.91	25.02
09/08.d17	A950908B2 - A03	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SAMPLES ANALYZED ON: 09/08/95 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

3-1479

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

DIONEX METHOD PARAMETERS - 2ANIONS2.MET

Method Comment: CALIBRATED ON 07/31/95 USING CAL STDS PREPD. 06/09/95. *** FLOW RATE: 1.8 MLS/ MIN*** SES WAS SUPPLIED WITH DDI WATER VIA A POSITIVE DISPLACEMENT PUMP AT 14 STROKE RATE.
Column ID: AG4A/AS4A
Analyst ID: MMO

System Parameters

System Name: ANIONS2

Number of Detectors	1
Run Time (minutes)	10.00
Sampling Rate (seconds)	0.20
Detector 1 Type	PED-Cond.
Detector 1 real time plot scale maximum (uS)	10.000
minimum	-1.000
Save Data File	Yes

Data File Name: C:\DX\DATA\9509142\95091421.D41

-- DETECTOR 1 PARAMETERS --

Report Options

Create ASCII Report File	No
Print Report	Yes
Print All Components	No
Print Components Found	No
Print Missing Components	No
Print All Peaks	Yes
Print Unknown Peaks	No
Print Chromatogram	Yes
Autoscale Chromatogram Maximum	Yes
Autoscale Maximum Value Delay (minutes)	0.0
Autoscale Chromatogram Minimum	Yes
Autoscale Minimum Value Delay (minutes)	0.0
Fill Peaks with Color	No
Draw Grid Lines on Chromatogram	No
Show Component Fraction Numbers	No
Label with Peak Number	No
Label with Retention Times on Chromatogram	Yes
Label with Component Name	No

Format File Name: C:\DX\METHOD\DEFAULT.PRF

Integration Parameters

Starting Peak Width (seconds)	10.0
Peak Threshold	24.662
Peak Area Reject	30000
Area Reject for Reference Peaks	30000

Data Events

Time	Description
0.00	Force exponential skim
0.00	Stop peak detection
0.85	Start peak detection
1.08	Void volume treatment for this peak
2.00	Force baseline at start of all peaks
2.70	Double bunching factor

Calibration Parameters

Number Of Levels for Calibration	6
Force Calibration Curve Through Origin	No
Calibration Fit Type	Quadratic
Replace Or Average Calibrations	Replace
External or Internal Calibration	External
Calculate Unknowns by Area or Height	Area
Default Sample Volume	15.0
Default Dilution Factor	1.0
Default Response Factor for Unknown Peaks	0.0
Calibration Standard Volume	100.0
Internal Standard Amount in Samples	1.0
Amount Units	ppm

Component Table -- Last Modified: 14:06 on Thu, 14 Sep 1995

Component # 1 FLUORIDE Retention Time 0.98
Reference Comp. CHLORIDE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.00113E-001
K1 = 2.30056E-008
K2 = -2.81981E-018

Level	Amount	Area	Height
1	2.50000E-001	8824466	2255543
2	5.00000E-001	16594150	4430461
3	1.25000E+000	48669336	17748351
4	2.50000E+000	104667218	38673820
5	5.00000E+000	220703555	56600574
6	7.50000E+000	334763776	85658601

Component # 2 CHLORIDE Retention Time 1.63
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.01876E-001
K1 = 3.79691E-008
K2 = -2.83657E-017

Level	Amount	Area	Height
1	2.50000E-001	5667871	1664722
2	5.00000E-001	10449509	3132001
3	1.25000E+000	29570701	8010478
4	2.50000E+000	64795790	18102870
5	5.00000E+000	146849385	38543469
6	7.50000E+000	235868741	59247946

Component # 3 NITRITE Retention Time 2.05
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.24293E-001
K1 = 5.69708E-008
K2 = -5.16219E-018

Level	Amount	Area	Height
1	5.00000E-001	7324093	1647134
2	1.00000E+000	13492481	3046851
3	5.00000E+000	81808966	16529023
4	1.00000E+001	172796027	39375593
5	2.00000E+001	361771084	69696250
6	3.00000E+001	548948074	98479352

Component # 4 BROMIDE Retention Time 3.07
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.10469E-002
K1 = 1.06145E-007
K2 = -1.98344E-016

Level	Amount	Area	Height
1	2.50000E-001	2572879	293701
2	5.00000E-001	4334171	588569
3	1.25000E+000	11987668	1658364
4	2.50000E+000	24435032	3385999
5	5.00000E+000	52209563	7128080
6	7.50000E+000	83570378	9451762

Component # 5 NITRATE Retention Time 3.47
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.25243E-001
K1 = 7.25350E-008
K2 = -2.69266E-017

Level	Amount	Area	Height
1	5.00000E-001	6282630	579933
2	1.00000E+000	11215072	998073
3	5.00000E+000	64563672	5689587
4	1.00000E+001	139708676	13674644
5	2.00000E+001	311829682	27169742
6	3.00000E+001	503705024	44134389

Component # 6 PHOSPHATE Retention Time 5.60
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.41203E-001
K1 = 1.48283E-007
K2 = -1.18078E-016

Level	Amount	Area	Height
1	5.00000E-001	2499197	202147
2	1.00000E+000	5484991	398506
3	5.00000E+000	32091888	2463551
4	1.00000E+001	68318216	5422810
5	2.00000E+001	153303486	11717741
6	3.00000E+001	250099032	18369260

Component # 7 SULFATE Retention Time 7.37
Reference Comp. SULFATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.19538E-001
K1 = 5.65209E-008
K2 = -1.66212E-017

Level	Amount	Area	Height
1	5.00000E-001	7554253	419135
2	1.00000E+000	14620121	763968
3	5.00000E+000	83491346	4651969
4	1.00000E+001	179958625	10194375
5	2.00000E+001	400674008	21996513
6	3.00000E+001	650097718	34654287

Timed Events File: C:\DX\METHOD\2ANIONS2.TE

Step	Time	Description
Init		PED AutoOffset Off
Init		PED Cell ON
Init		PED Recorder Mark OFF
Init		PED Recorder Range = 0.100 uS
Init		ACI RLY 2 OFF
Init		ACI RLY 3 OFF
Init		ACI RLY 4 OFF
Init		ACI HOLD 2 OFF
Init		ACI TTL 3 OFF
Init		ACI TTL 4 OFF
Init		ACI Regen ON
Init		GPM Start
Init		GPM Hold Gradient Clock
Init		GPM Reset ON
1	0.0	PED AutoOffset ON
1	0.0	GPM Run Gradient Clock
1	0.0	GPM Reset OFF
2	0.1	Start Sampling

Lo Pressure Limit = 0
Hi Pressure Limit = 5000
Eluent 1 - Eluant 1 CO3 / HCO3
Eluent 2 - Eluant 2
Eluent 3 - Eluant 3
Eluent 4 - Eluant 4
V5 Off - Off
V5 On - On
V6 Off - Off
V6 On -

Time	Flow	%1	%2	%3	%4	V5	V6	Comment
0.0	1.8	100	0	0	0	0	0	1CLEANUP
0.1	1.8	100	0	0	0	0	0	
1.1	1.8	100	0	0	0	0	0	

PED file: C:\DX\METHOD\2ANIONS2.PCD
Temperature: 1.7 Deg. C

********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL1R - A06 Date: Thu Sep 14 13:09:17 1995
Raw File : C:\DX\DATA\9509142\95091421.D01
Method : c:\dx\method\2anions2.met Calibration Level: 1
ACI Address: 1 System : 2 Inject#: 1 Detector: PED-Cond.

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	0.97	0.90	0.90	6.248e+006	8.824e+006	8.824e+006
2	CHLORIDE	1.65	1.55	1.55	4.139e+006	5.668e+006	5.668e+006
3	NITRITE	2.08	1.93	1.93	5.525e+006	7.324e+006	7.324e+006
4	BROMIDE	3.17	3.07	3.07	1.769e+006	2.573e+006	2.573e+006
5	NITRATE	3.57	3.63	3.63	4.427e+006	6.283e+006	6.283e+006
6	PHOSPHATE	5.77	5.77	5.77	2.067e+006	2.499e+006	2.499e+006
7	SULFATE	7.73	7.53	7.53	5.907e+006	7.554e+006	7.554e+006

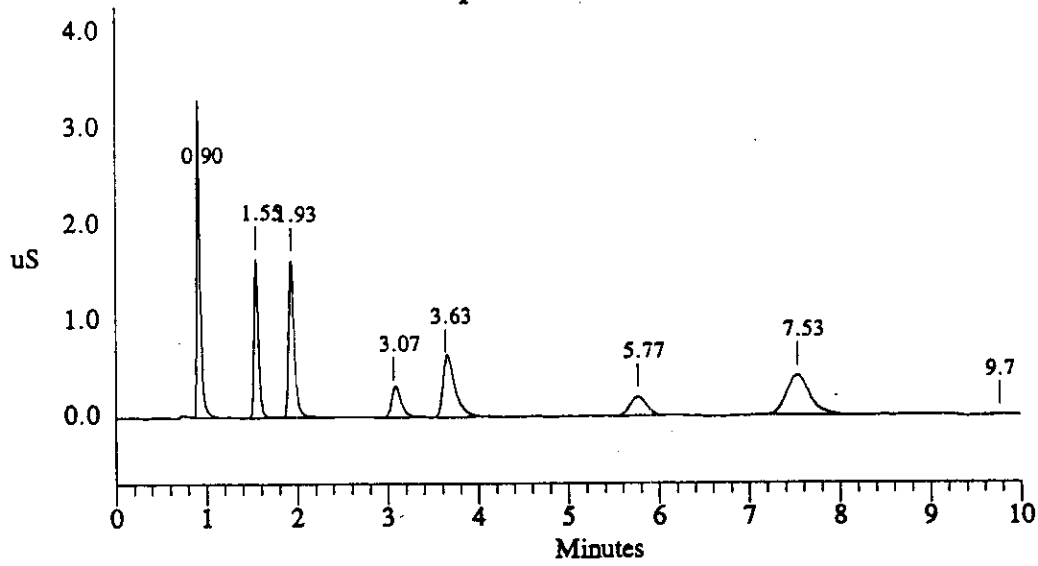
Sample Name: AUTOCAL1R - A06 Date: 09/14/1995 13:09:17
Data File : C:\DX\DATA\9509142\95091421.D01
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 1 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.90	FLUORIDE	0.250	2255543	8824466	1	-0.89
2	1.55	CHLORIDE	0.250	1664722	5667871	1	0.00
3	1.93	NITRITE	0.500	1647134	7324093	1	-1.21
4	3.07	BROMIDE	0.250	293701	2572879	1	3.09
5	3.63	NITRATE	0.500	579933	6282630	1	0.00
6	5.77	PHOSPHATE	0.500	202147	2499197	1	-1.83
7	7.53	SULFATE	0.500	419135	7554253	1	0.00
8	9.77		0.000	6867	78054	1	
		Totals	2.750	7069184	40803443		

File: 95091421.D01 Sample: AUTOCAL1R - A06



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL2R - A06 Date: Thu Sep 14 13:20:37 1995
Raw File : C:\DX\DATA\9509142\95091421.D02
Method : c:\dx\method\2anions2.met Calibration Level: 2
ACI Address: 1 System : 2 Inject#: 2 Detector: PED-Cond.

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	0.90	0.98	0.98	1.261e+007	1.659e+007	1.659e+007
2	CHLORIDE	1.55	1.63	1.63	8.128e+006	1.045e+007	1.045e+007
3	NITRITE	1.93	2.02	2.02	1.088e+007	1.349e+007	1.349e+007
4	BROMIDE	3.07	3.17	3.17	3.429e+006	4.334e+006	4.334e+006
5	NITRATE	3.63	3.70	3.70	8.722e+006	1.122e+007	1.122e+007
6	PHOSPHATE	5.77	5.83	5.83	4.279e+006	5.485e+006	5.485e+006
7	SULFATE	7.53	7.57	7.57	1.190e+007	1.462e+007	1.462e+007

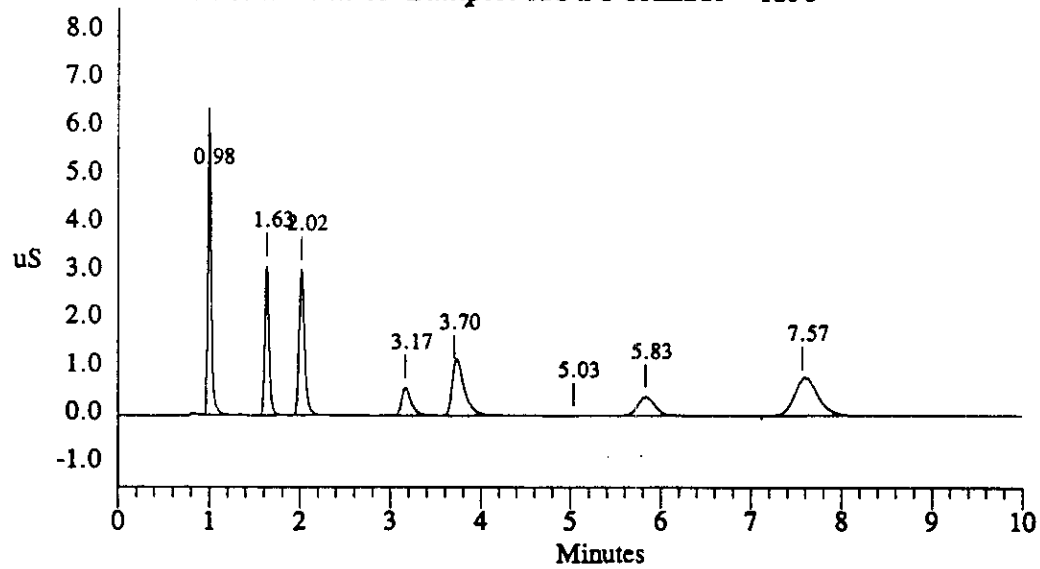
Sample Name: AUTOCAL2R - A06 Date: 09/14/1995 13:20:37
Data File : C:\DX\DATA\9509142\95091421.D02
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 2 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	2	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	0.500	4430461	16594150	1	3.68
2	1.63	CHLORIDE	0.500	3132001	10449509	1	0.00
3	2.02	NITRITE	1.000	3046851	13492481	1	-1.01
4	3.17	BROMIDE	0.500	588569	4334171	1	-2.01
5	3.70	NITRATE	1.000	998073	11215072	1	0.00
6	5.03		0.000	13654	146828	1	
7	5.83	PHOSPHATE	1.000	398506	5484991	1	-0.67
8	7.57	SULFATE	1.000	763968	14620121	1	0.00
		Totals	5.500	13372084	76337325		

File: 95091421.D02 Sample: AUTOCAL2R - A06



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL3R - A07 Date: Thu Sep 14 13:31:57 1995
Raw File : C:\DX\DATA\9509142\95091421.D03
Method : c:\dx\method\2anions2.met Calibration Level: 3
ACI Address: 1 System : 2 Inject#: 3 Detector: PED-Cond.

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	0.98	0.97	0.97	3.254e+007	4.867e+007	4.867e+007
2	CHLORIDE	1.63	1.60	1.60	2.048e+007	2.957e+007	2.957e+007
3	NITRITE	2.02	1.98	1.98	5.789e+007	8.181e+007	8.181e+007
4	BROMIDE	3.17	3.13	3.13	8.456e+006	1.199e+007	1.199e+007
5	NITRATE	3.70	3.60	3.60	4.464e+007	6.456e+007	6.456e+007
6	PHOSPHATE	5.83	5.77	5.77	2.114e+007	3.209e+007	3.209e+007
7	SULFATE	7.57	7.53	7.53	5.916e+007	8.349e+007	8.349e+007

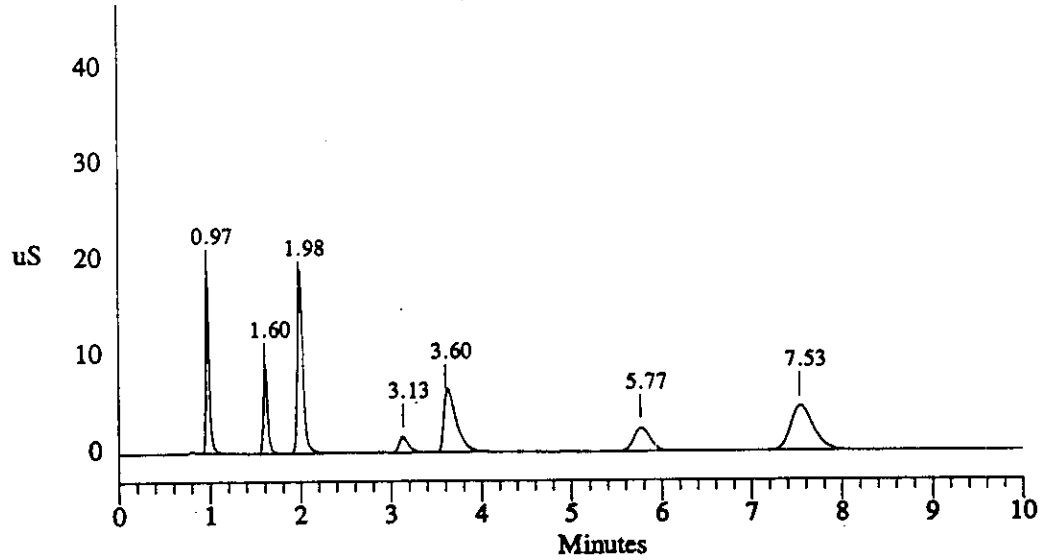
Sample Name: AUTOCAL3R - A07 Date: 09/14/1995 13:31:57
Data File : C:\DX\DATA\9509142\95091421.D03
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 3 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	1.250	17748351	48669336	1	0.35
2	1.60	CHLORIDE	1.250	8010478	29570701	1	0.00
3	1.98	NITRITE	5.000	16529023	81808966	1	0.40
4	3:13	BROMIDE	1.250	1658364	11987668	1	1.01
5	3.60	NITRATE	5.000	5689587	64563672	1	0.00
6	5.77	PHOSPHATE	5.000	2463551	32091888	1	1.60
7	7.53	SULFATE	5.000	4651969	83491346	1	0.00
		Totals	23.750	56751323	352183577		

File: 95091421.D03 Sample: AUTOCAL3R - A07



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL4R - A07 Date: Thu Sep 14 13:43:20 1995
Raw File : C:\DX\DATA\9509142\95091421.D04
Method : c:\dx\method\2anions2.met Calibration Level: 4
ACI Address: 1 System : 2 Inject#: 4 Detector: PED-Cond.

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	0.97	0.93	0.93	8.197e+007	1.047e+008	1.047e+008
2	CHLORIDE	1.60	1.57	1.57	5.095e+007	6.480e+007	6.480e+007
3	NITRITE	1.98	1.97	1.97	1.431e+008	1.728e+008	1.728e+008
4	BROMIDE	3.13	3.07	3.07	1.968e+007	2.444e+007	2.444e+007
5	NITRATE	3.60	3.53	3.53	1.097e+008	1.397e+008	1.397e+008
6	PHOSPHATE	5.77	5.70	5.70	5.185e+007	6.832e+007	6.832e+007
7	SULFATE	7.53	7.47	7.47	1.431e+008	1.800e+008	1.800e+008

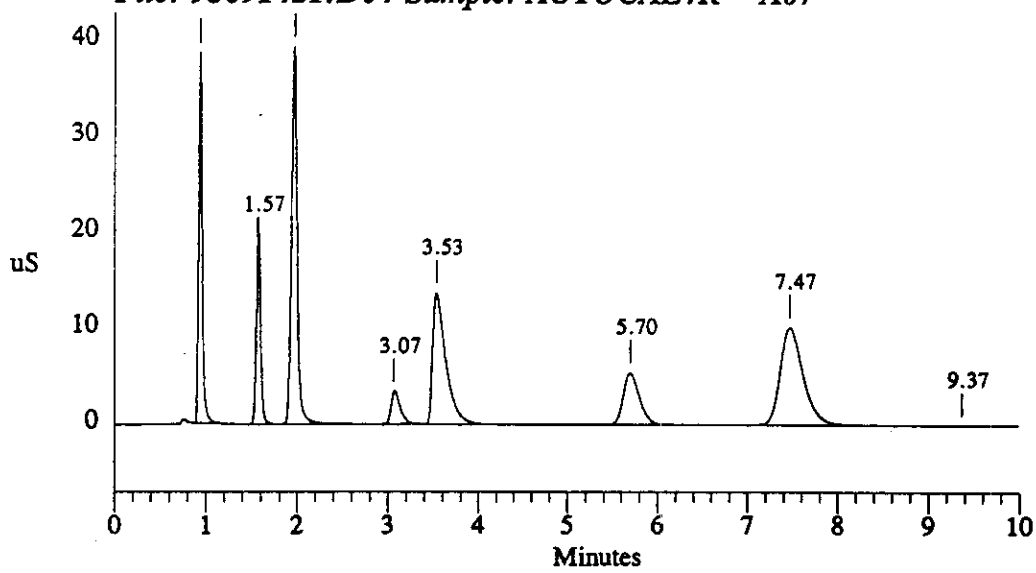
Sample Name: AUTOCAL4R - A07 Date: 09/14/1995 13:43:20
Data File : C:\DX\DATA\9509142\95091421.D04
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 4 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	2.500	38673820	104667218	1	-1.39
2	1.57	CHLORIDE	2.500	18102870	64795790	1	0.00
3	1.97	NITRITE	10.000	39375593	172796027	1	1.27
4	3.07	BROMIDE	2.500	3385999	24435032	1	-0.05
5	3.53	NITRATE	10.000	13674644	139708676	1	0.00
6	5.70	PHOSPHATE	10.000	5422810	68318216	1	0.71
7	7.47	SULFATE	10.000	10194375	179958625	1	0.00
8	9.37		0.000	17793	342562	1	
		Totals	47.500	128847903	755022146		

File: 95091421.D04 Sample: AUTOCAL4R - A07



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL5R - A07 Date: Thu Sep 14 13:54:49 1995
Raw File : C:\DX\DATA\9509142\95091421.D05
Method : c:\dx\method\2anions2.met Calibration Level: 5
ACI Address: 1 System : 2 Inject#: 5 Detector: PED-Cond.

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	0.93	0.95	0.95	1.757e+008	2.207e+008	2.207e+008
2	CHLORIDE	1.57	1.60	1.60	1.131e+008	1.468e+008	1.468e+008
3	NITRITE	1.97	2.00	2.00	3.030e+008	3.618e+008	3.618e+008
4	BROMIDE	3.07	3.07	3.07	4.212e+007	5.221e+007	5.221e+007
5	NITRATE	3.53	3.47	3.47	2.384e+008	3.118e+008	3.118e+008
6	PHOSPHATE	5.70	5.63	5.63	1.151e+008	1.533e+008	1.533e+008
7	SULFATE	7.47	7.40	7.40	3.149e+008	4.007e+008	4.007e+008

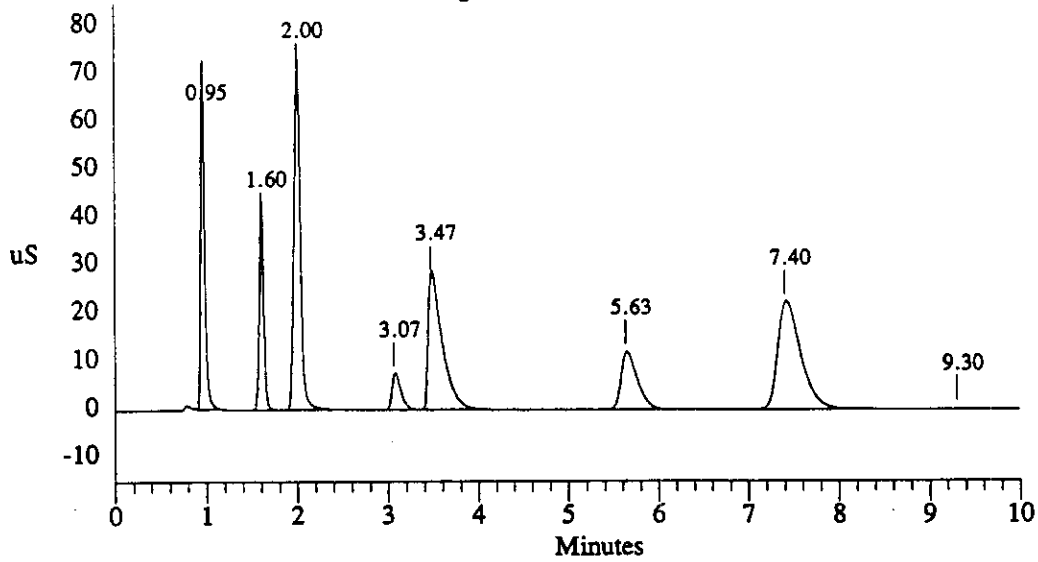
Sample Name: AUTOCAL5R - A07 Date: 09/14/1995 13:54:49
Data File : C:\DX\DATA\9509142\95091421.D05
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 5 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	20	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	5.000	56600574	220703555	1	-0.33
2	1.60	CHLORIDE	5.000	38543469	146849385	1	0.00
3	2.00	NITRITE	20.000	69696250	361771084	1	-0.42
4	3.07	BROMIDE	5.000	7128080	52209563	1	-2.08
5	3.47	NITRATE	20.000	27169742	311829682	1	0.00
6	5.63	PHOSPHATE	20.000	11717741	153303486	1	0.73
7	7.40	SULFATE	20.000	21996513	400674008	1	0.00
8	9.30		0.000	10911	123805	1	
		Totals	95.000	232863281	1647464568		

File: 95091421.D05 Sample: AUTOCAL5R - A07



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL6R - A07 Date: Thu Sep 14 14:06:22 1995
Raw File : C:\DX\DATA\9509142\95091421.D06
Method : c:\dx\method\2anions2.met Calibration Level: 6
ACI Address: 1 System : 2 Inject#: 6 Detector: PED-Cond.

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	0.95	0.98	0.98	2.725e+008	3.348e+008	3.348e+008
2	CHLORIDE	1.60	1.63	1.63	1.819e+008	2.359e+008	2.359e+008
3	NITRITE	2.00	2.05	2.05	4.595e+008	5.489e+008	5.489e+008
4	BROMIDE	3.07	3.07	3.07	6.591e+007	8.357e+007	8.357e+007
5	NITRATE	3.47	3.47	3.47	3.856e+008	5.037e+008	5.037e+008
6	PHOSPHATE	5.63	5.60	5.60	1.864e+008	2.501e+008	2.501e+008
7	SULFATE	7.40	7.37	7.37	5.038e+008	6.501e+008	6.501e+008

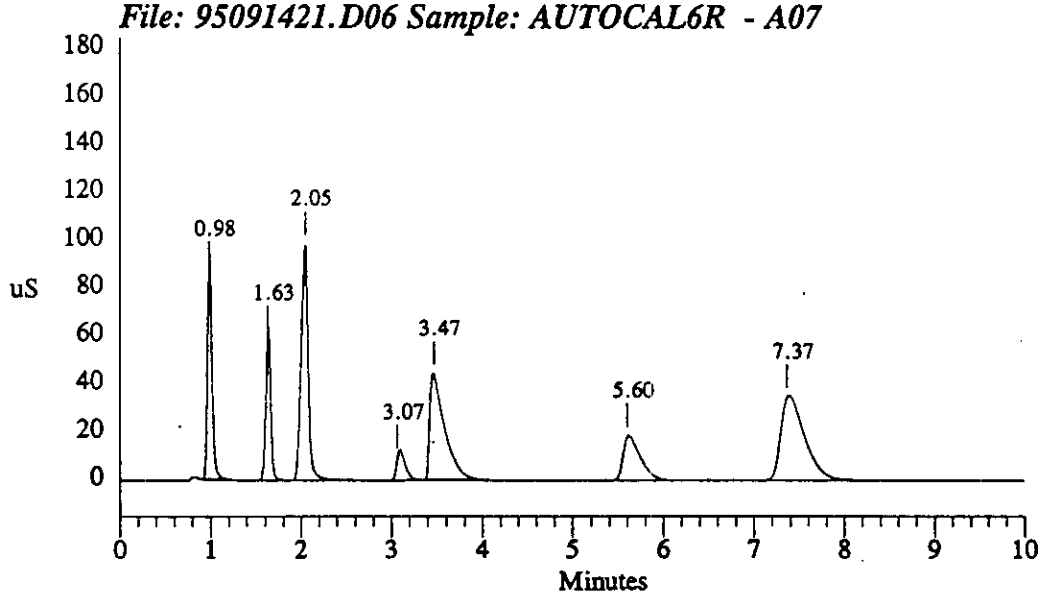
Sample Name: AUTOCAL6R - A07 Date: 09/14/1995 14:06:22
Data File : C:\DX\DATA\9509142\95091421.D06
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 6 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	1	3000	5Hz	0.00	10.00	30000

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	7.500	85658601	334763776	1	1.40
2	1.63	CHLORIDE	7.500	59247946	235868741	1	0.00
3	2.05	NITRITE	30.000	98479352	548948074	1	0.41
4	3.07	BROMIDE	7.500	9451762	83570378	1	-2.04
5	3.47	NITRATE	30.000	44134389	503705024	1	0.00
6	5.60	PHOSPHATE	30.000	18369260	250099032	1	-0.59
7	7.37	SULFATE	30.000	34654287	650097718	1	0.00
		Totals	142.500	349995597	2607052743		

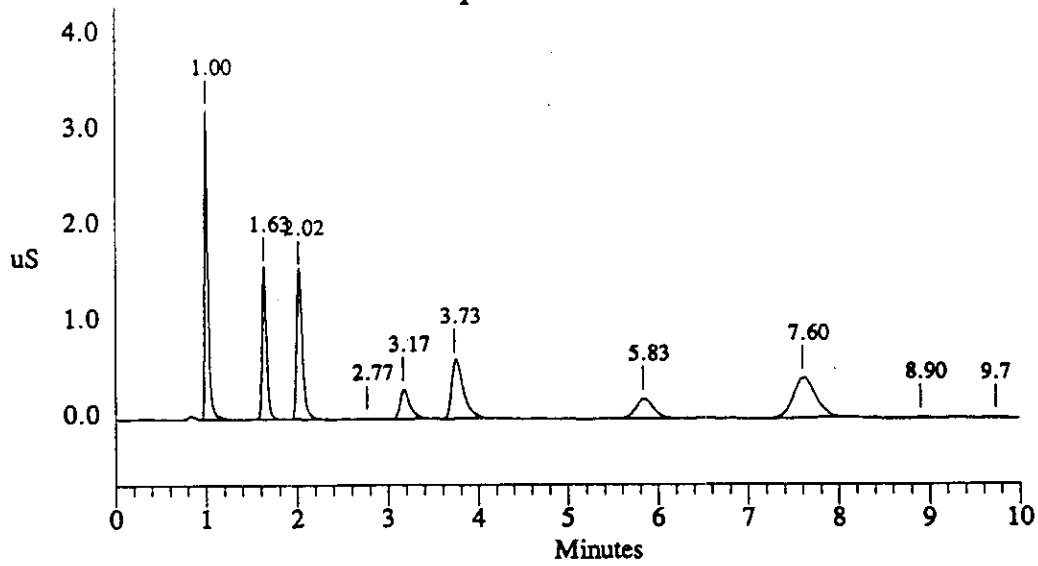
File: 95091421.D06 Sample: AUTOCAL6R - A07



Sample Name: CAL CHECK 1 - A06 Date: 09/14/1995 14:17:41
Data File : C:\DX\DATA\9509142\95091421.D07
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 7 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3000	5Hz	0.00	10.00	30000	

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00	FLUORIDE	29.597	3201991	8522307	1	1.69
2	1.63	CHLORIDE	30.320	1553572	5323407	1	0.00
3	2.02	NITRITE	62.840	1515546	7097784	1	-1.63
4	2.77		0.000	8767	117258	1	
5	3.17	BROMIDE	26.757	303175	2427734	1	3.26
6	3.73	NITRATE	63.231	591165	5623700	1	0.00
7	5.83	PHOSPHATE	65.941	204321	2826690	1	-3.27
8	7.60	SULFATE	63.799	416366	7419750	1	0.00
9	8.90		0.000	11645	258101	1	
10	9.73		0.000	6486	108520	1	
		Totals	342.484	7813032	39725251		

File: 95091421.D07 Sample: CAL CHECK 1 - A06