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 10 **of** 12

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

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

Originator: BALDWIN JH
Co: WHC

Recipient:
Co:

References: ECN-629001

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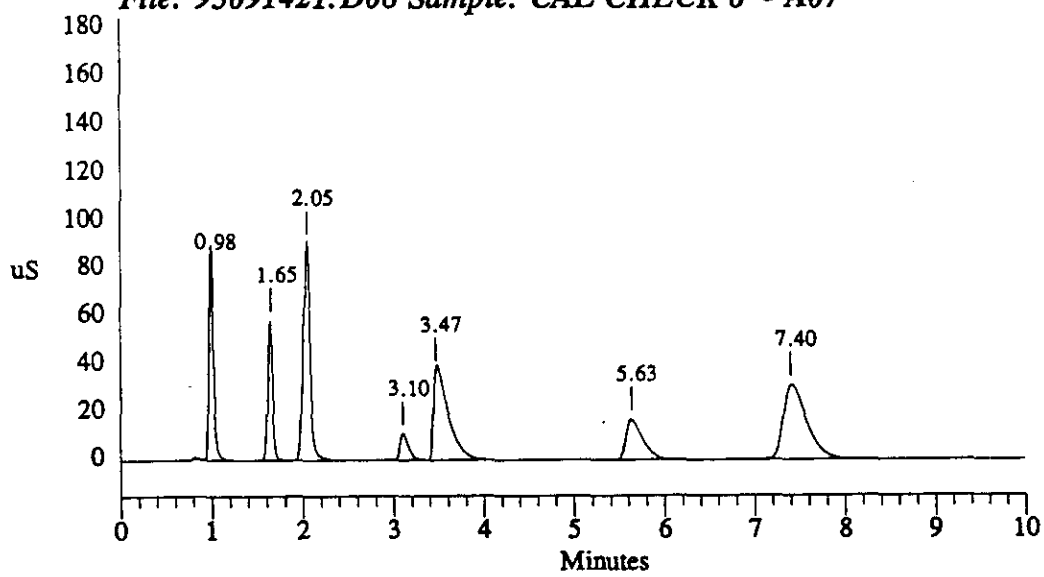
Sample Name: CAL CHECK 6  - A07              Date: 09/14/1995 14:29:12
Data File  : C:\DX\DATA\9509142\95091421.D08
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 8   Vial:A07        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	22.831	72249831	304747920	1	-1.01
2	1.65	CHLORIDE	22.835	58484200	210996662	1	0.00
3	2.05	NITRITE	90.889	90738969	497058291	1	-1.01
4	3.10	BROMIDE	22.682	11052093	74323588	1	0.07
5	3.47	NITRATE	91.097	37564013	448255766	1	0.00
6	5.63	PHOSPHATE	90.454	16865909	219873410	1	0.60
7	7.40	SULFATE	90.204	31238278	570664038	1	0.00
		Totals	430.990	318193293	2325919675		

File: 95091421.D08 Sample: CAL CHECK 6 - A07



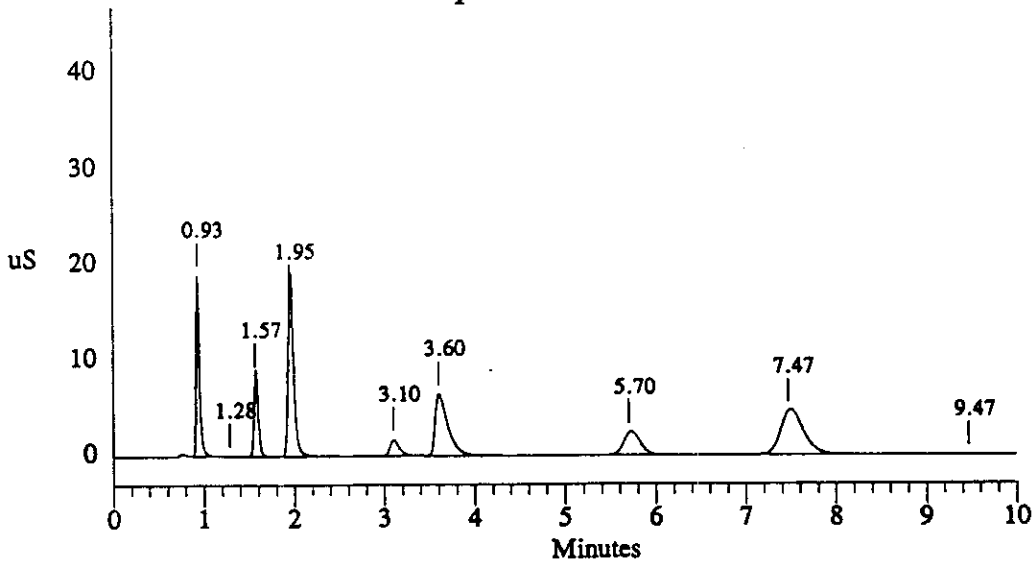
Sample Name: A950609V1/LO - A04 Date: 09/14/1995 15:06:55
Data File : C:\DX\DATA\9509142\95091421.D09
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 9 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	24.221	18977503	48578934	1	-1.05
2	1.28		0.000	41234	248783	1	
3	1.57	CHLORIDE	24.123	8456695	29743869	1	0.00
4	1.95	NITRITE	98.056	16718076	82741863	1	-0.83
5	3.10	BROMIDE	25.795	1696236	12330870	1	5.39
6	3.60	NITRATE	95.749	6473765	64438047	1	0.00
7	5.70	PHOSPHATE	99.370	2384558	32733484	1	-1.98
8	7.47	SULFATE	98.758	4560641	85636701	1	0.00
9	9.47		0.000	8427	126898	1	
		Totals	466.072	59317136	356579450		

File: 95091421.D09 Sample: A950609V1/LO - A04



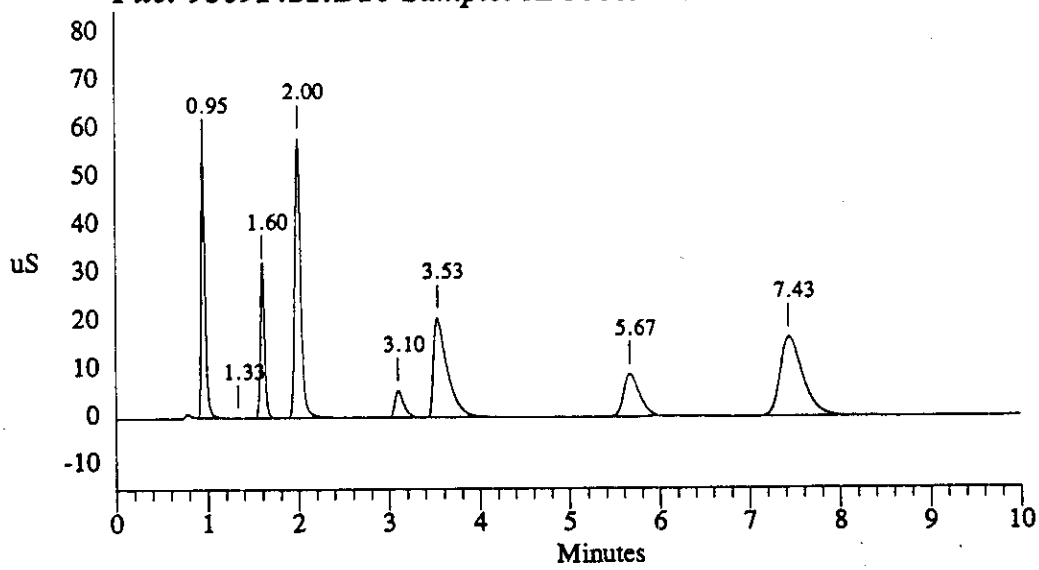
Sample Name: A950609V2/MID - A04 Date: 09/14/1995 15:19:57
Data File : C:\DX\DATA\9509142\95091421.D10
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 10 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	25.521	55457395	165402818	1	-1.38
2	1.33		0.000	109096	556840	1	
3	1.60	CHLORIDE	25.384	31173633	105992371	1	0.00
4	2.00	NITRITE	102.763	58313089	273402619	1	-0.41
5	3.10	BROMIDE	26.045	5738434	39637141	1	3.19
6	3.53	NITRATE	100.011	20790211	222012421	1	0.00
7	5.67	PHOSPHATE	102.983	8999167	112655391	1	-0.72
8	7.43	SULFATE	102.490	16656153	293432704	1	0.00
		Totals	485.197	197237178	1213092305		

File: 95091421.D10 Sample: A950609V2/MID - A04



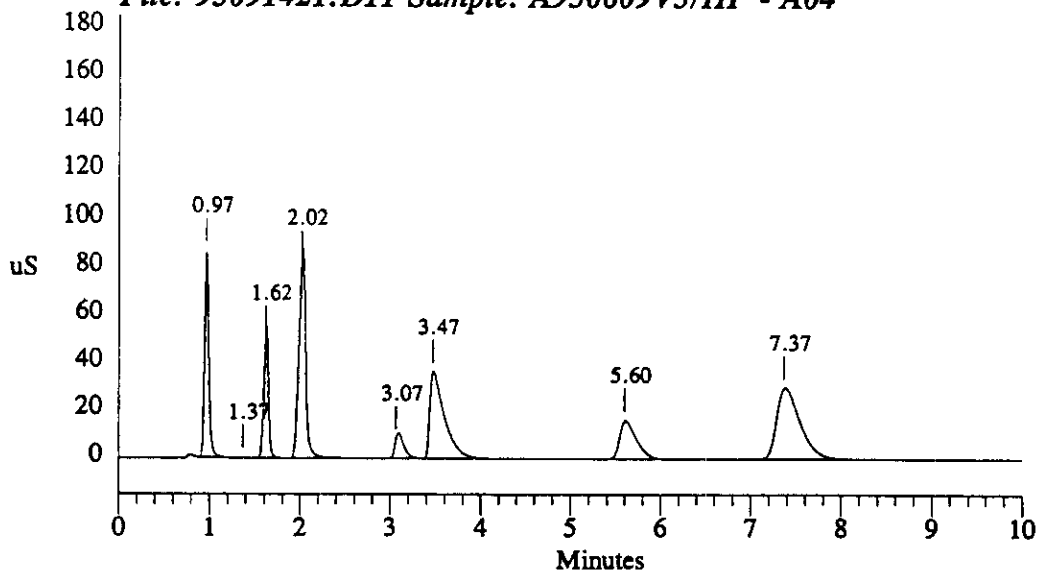
Sample Name: A950609V3/HI - A04 Date: 09/14/1995 15:33:22
Data File : C:\DX\DATA\9509142\95091421.D11
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 11 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	25.738	86198379	285318102	1	-0.68
2	1.37		0.000	143622	727854	1	
3	1.62	CHLORIDE	25.833	50126365	196151886	1	0.00
4	2.02	NITRITE	102.890	81521302	467356578	1	-0.61
5	3.07	BROMIDE	26.303	8100421	71363452	1	1.03
6	3.47	NITRATE	101.449	35974615	408496748	1	0.00
7	5.60	PHOSPHATE	104.404	16016268	209266617	1	0.00
8	7.37	SULFATE	103.732	29681971	541010787	1	0.00
		Totals	490.349	307762944	2179692025		

File: 95091421.D11 Sample: A950609V3/HI - A04

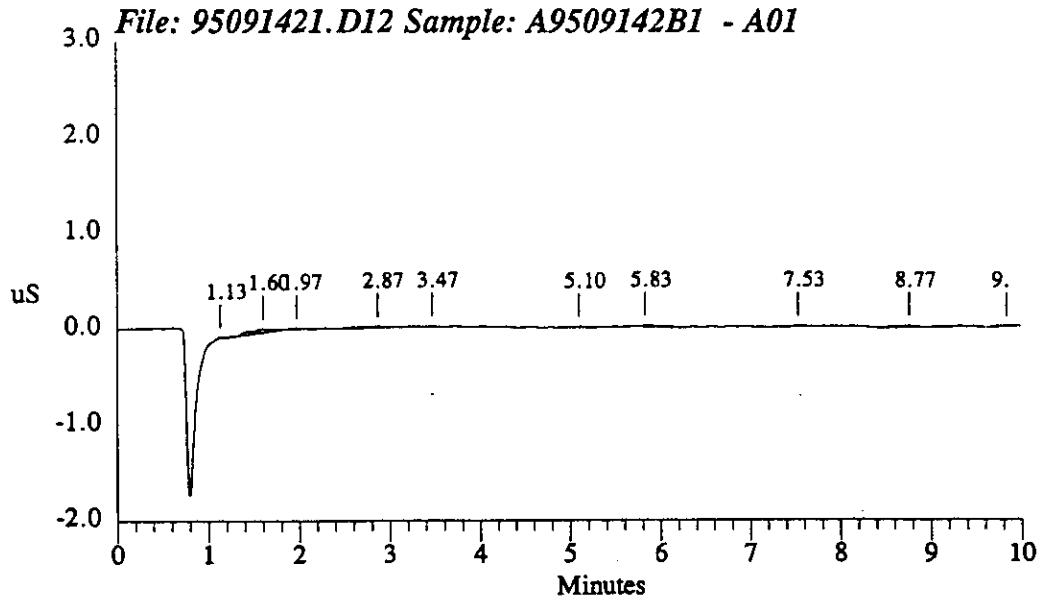


Sample Name: A9509142B1 - A01 Date: 09/14/1995 15:49:49
Data File : C:\DX\DATA\9509142\95091421.D12
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 12 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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
2	1.60	CHLORIDE	0.131	40129	754550	1	0.00
3	1.97	NITRITE	0.230	11734	107370	1	-2.07
4	2.87	BROMIDE	0.050	12019	366824	1	-4.57
5	3.47	NITRATE	0.237	9561	163214	1	0.00
6	5.10		0.000	14109	186580	1	
7	5.83	PHOSPHATE	0.301	18268	403578	1	4.17
8	7.53	SULFATE	0.228	13145	155752	1	0.00
9	8.77		0.000	19454	347947	1	
10	9.83		0.000	2956	34435	1	
		Totals	1.177	141376	2520251		



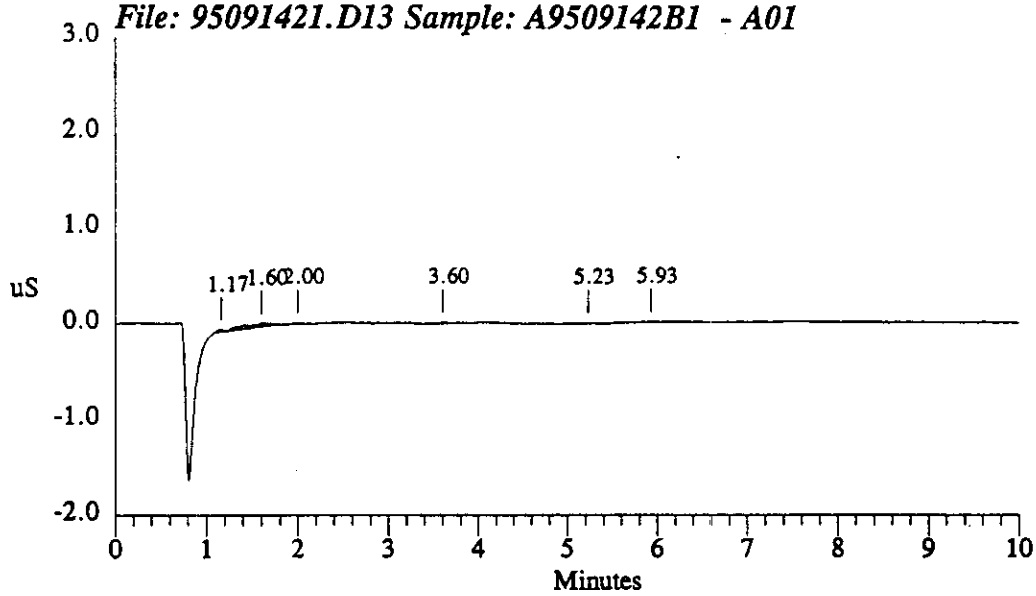
Sample Name: A9509142B1 - A01 Date: 09/14/1995 16:06:10
Data File : C:\DX\DATA\9509142\95091421.D13
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 13 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.17		0.000	19840	99337	1	
2	1.60	CHLORIDE	0.132	35271	799624	1	0.00
3	2.00	NITRITE	0.236	19794	201393	1	-0.41
4	3.60	NITRATE	0.236	14531	153178	1	0.00
5	5.23		0.000	12682	209208	1	
6	5.93	PHOSPHATE	0.273	7471	212869	1	2.03
		Totals	0.877	109588	1675608		

File: 95091421.D13 Sample: A9509142B1 - A01

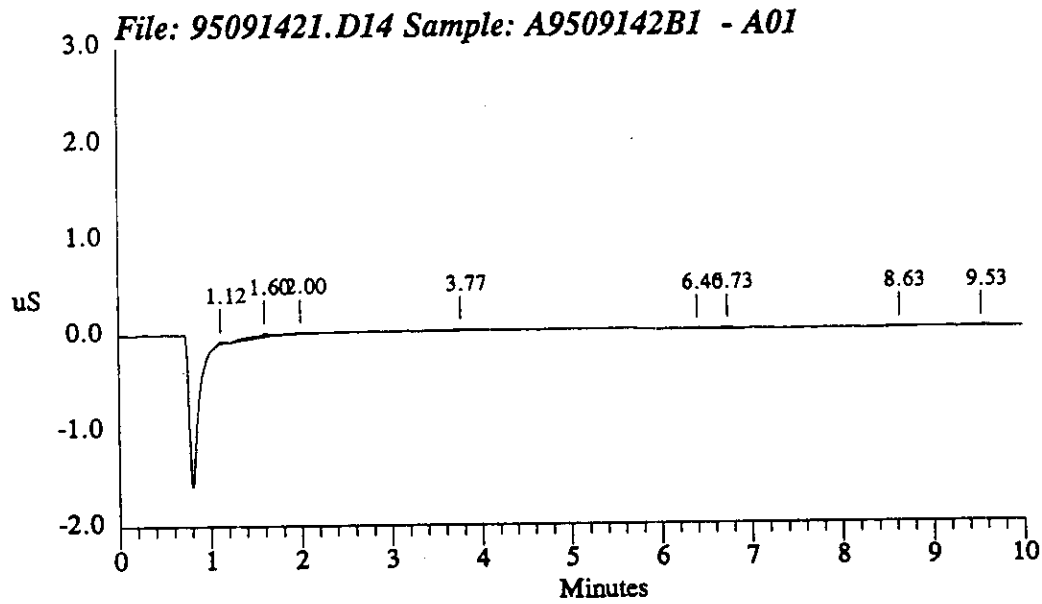


Sample Name: A9509142B1 - A01 Date: 09/14/1995 16:22:38
Data File : C:\DX\DATA\9509142\95091421.D14
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 14 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.12		0.000	19169	111697	1	
2	1.60	CHLORIDE	0.125	38455	621045	1	0.00
3	2.00	NITRITE	0.229	11429	81770	1	-0.41
4	3.77	NITRATE	0.236	12408	153145	1	0.00
5	6.40	PHOSPHATE	0.277	9742	241453	1	5.18
6	6.73	SULFATE	0.228	13634	144612	1	0.00
7	8.63		0.000	11880	203755	1	
8	9.53		0.000	14248	309988	1	
		Totals	1.095	130965	1867464		



Data Reprocessed On 09/18/1995 08:44:13

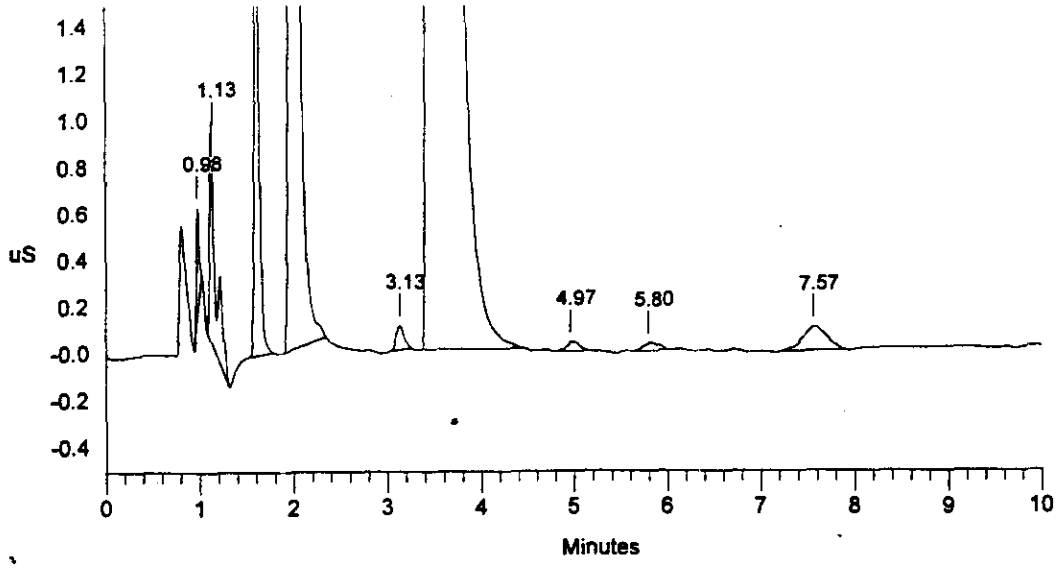
Sample Name: 95-7932-C1/SEG2 - B01	Date: 09/14/1995 16:35:06
Data File : C:\DX\DATA\9509142\95091421.D15	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 15 Vial:B01	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	0.98	FLUORIDE	12.103	462034	909102	1	2.08
2	1.13		0.000	900712	4013511	1	
3	1.60	CHLORIDE	38.789	1760100	7575682	1	0.00
4	2.00	NITRITE	569.048	21760314	96796217	1	-0.41
5	3.13	BROMIDE	7.482	102178	601493	1	4.30
6	3.47	NITRATE	2377.809	30741066	377655249	1	0.00
7	4.97		0.000	38967	391967	1	
8	5.80	PHOSPHATE	29.921	31967	391297	1	3.57
9	7.57	SULFATE	32.127	99364	1800934	1	0.00
		Totals	3067.279	55896704	490135453		

File: 95091421.D15 Sample: 95-7932-C1/SEG2 - B01



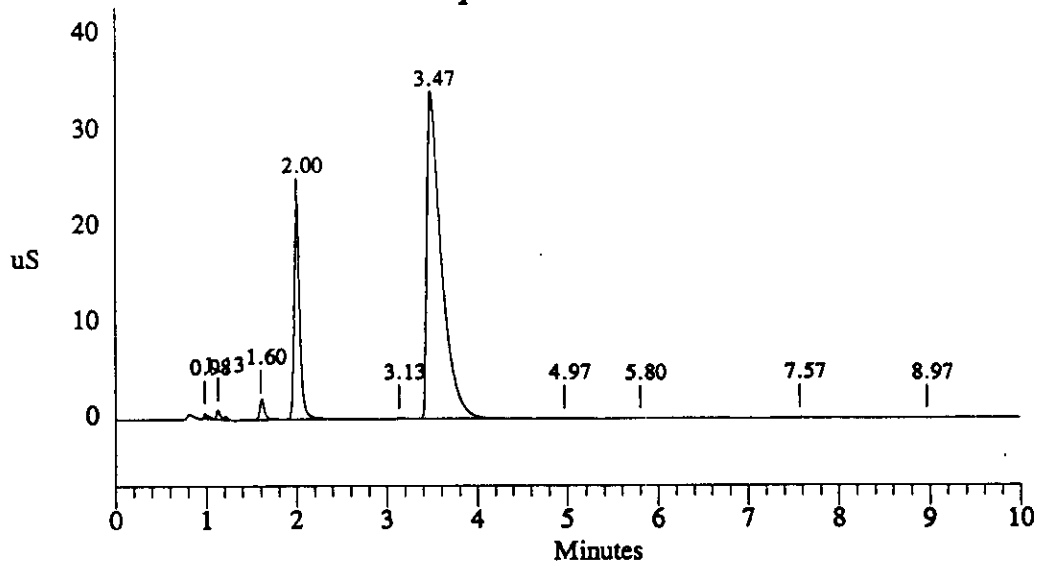
Sample Name: 95-7932-C1/SEG2 - B01 Date: 09/14/1995 16:35:06
Data File : C:\DX\DATA\9509142\95091421.D15
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 15 Vial:B01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	14.192	524677	1817678	2	2.08
2	1.13		0.000	952238	4469656	2	
3	1.60	CHLORIDE	43.591	1810634	8856190	1	0.00
4	2.00	NITRITE	579.081	21778592	98588956	1	-0.41
5	3.13	BROMIDE	8.648	108904	711641	1	4.30
6	3.47	NITRATE	2379.631	30741839	378004365	1	0.00
7	4.97		0.000	40966	494309	1	
8	5.80	PHOSPHATE	29.921	31967	391297	1	3.57
9	7.57	SULFATE	33.355	104353	2018272	1	0.00
10	8.97		0.000	11481	812208	1	
		Totals	3088.418	56105650	496164573		

File: 95091421.D15 Sample: 95-7932-C1/SEG2 - B01



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

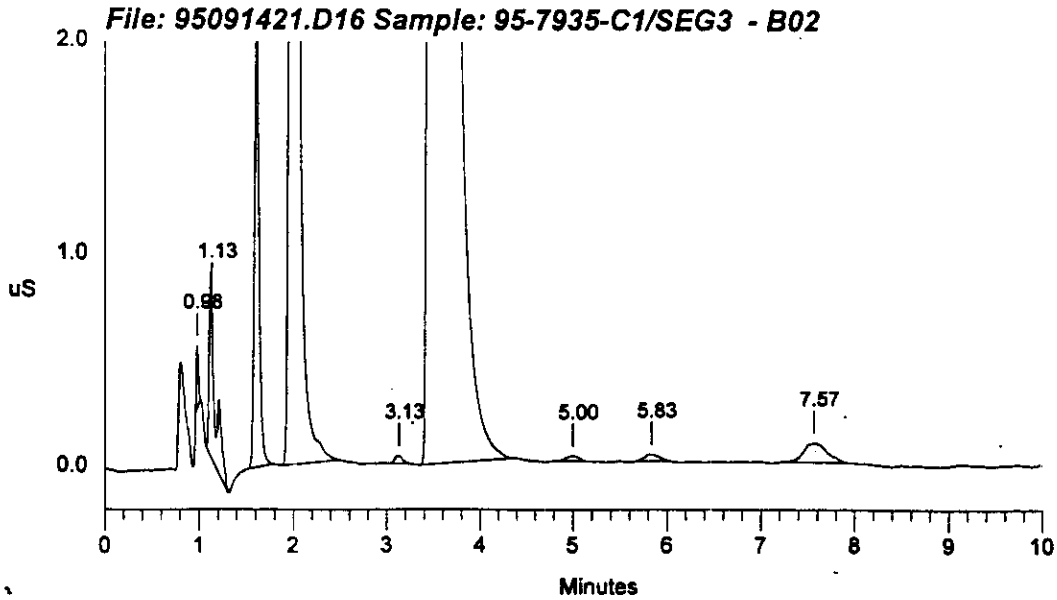
Data Reprocessed On 09/22/1995 03:11:18

Sample Name: 95-7935-C1/SEG3 - B02	Date: 09/14/1995 16:47:35
Data File : C:\DX\DATA\9509142\95091421.D16	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 16 Vial:B02	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	0.98	FLUORIDE	11.079	294648	464302	1	2.08
2	1.13		0.000	767563	3667128	1	
3	1.60	CHLORIDE	37.581	1879225	7253844	1	0.00
4	2.00	NITRITE	562.658	22118119	95654595	1	-0.41
5	3.13	BROMIDE	3.418	37222	217992	1	4.30
6	3.50	NITRATE	2037.139	29003602	314450017	1	0.00
7	5.00		0.000	21163	204700	1	
8	5.83	PHOSPHATE	29.252	30678	346185	1	3.17
9	7.57	SULFATE	30.684	90285	1545299	1	0.00
		Totals	2711.811	54242504	423804062		



Data Reprocessed On 09/22/1995 02:54:40

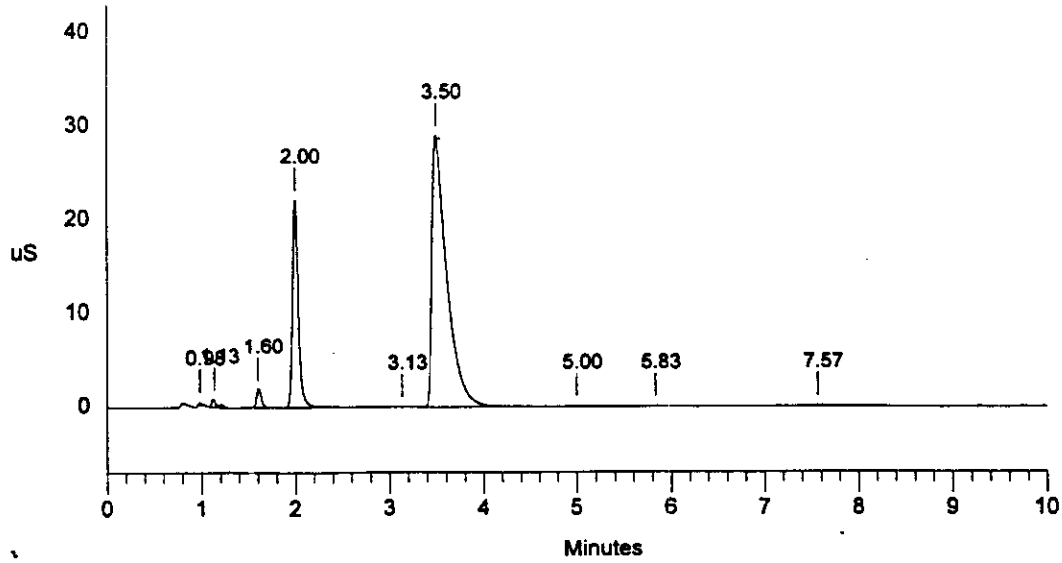
Sample Name: 95-7935-C1/SEG3 - B02		Date: 09/14/1995 16:47:35
Data File : C:\DX\DATA\9509142\95091421.d16		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 16 Vial:B02		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A	

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	0.98	FLUORIDE	11.079	294648	464302	1	2.08
2	1.13		0.000	767563	3667128	1	
3	1.60	CHLORIDE	37.581	1879225	7253844	1	0.00
4	2.00	NITRITE	562.658	22118119	95654595	1	-0.41
5	3.13	BROMIDE	3.418	37222	217992	1	4.30
6	3.50	NITRATE	2037.139	29003602	314450017	1	0.00
7	5.00		0.000	21163	204700	1	
8	5.83	PHOSPHATE	29.252	30678	346185	1	3.17
9	7.57	SULFATE	30.684	90285	1545299	1	0.00
		Totals	2711.811	54242504	423804062		

File: 95091421.d16 Sample: 95-7935-C1/SEG3 - B02



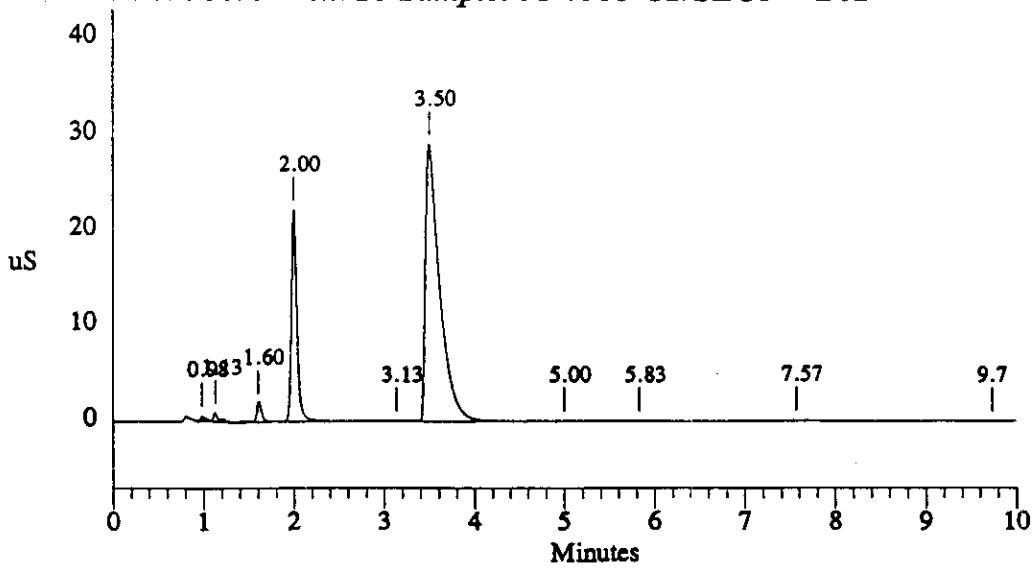
Sample Name: 95-7935-C1/SEG3 - B02 Date: 09/14/1995 16:47:35
Data File : C:\DX\DATA\9509142\95091421.D16
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 16 Vial:B02 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	13.924	483661	1701301	2	2.08
2	1.13		0.000	817928	4109794	2	
3	1.60	CHLORIDE	42.381	1928641	8533264	1	0.00
4	2.00	NITRITE	565.735	22122148	96204254	1	-0.41
5	3.13	BROMIDE	3.638	38301	238766	1	4.30
6	3.50	NITRATE	2042.017	29006478	315327605	1	0.00
7	5.00		0.000	23522	249702	1	
8	5.83	PHOSPHATE	32.331	36295	553986	1	3.17
9	7.57	SULFATE	33.028	98021	1960352	1	0.00
10	9.73		0.000	11444	92220	1	
		Totals	2733.054	54566438	428971243		

File: 95091421.D16 Sample: 95-7935-C1/SEG3 - B02



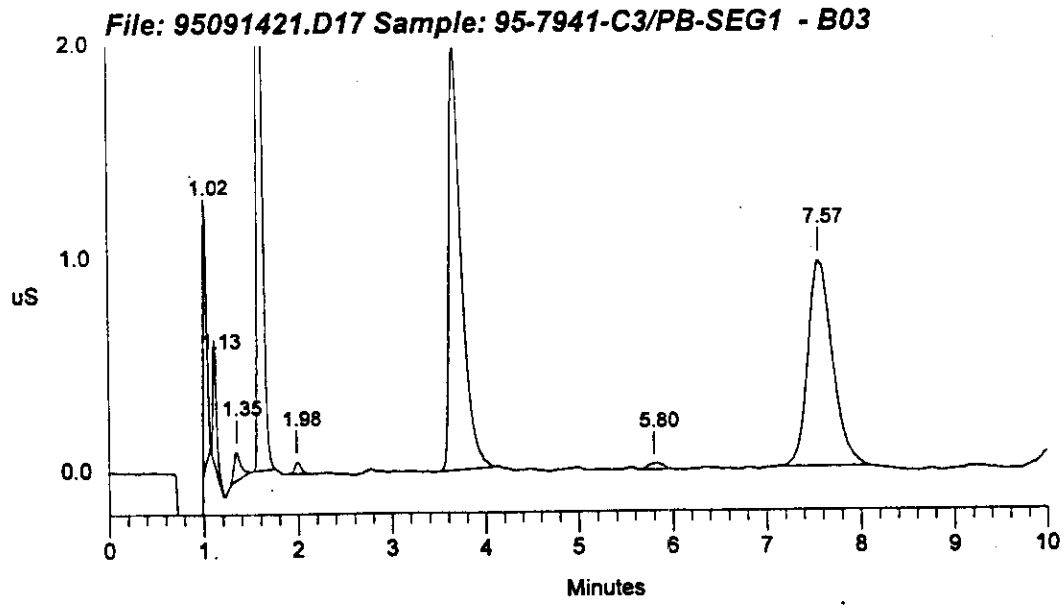
Data Reprocessed On 09/22/1995 03:11:45

Sample Name: 95-7941-C3/PB-SEG1 - B03	Date: 09/14/1995 17:04:03
Data File : C:\DX\DATA\9509142\95091421.D17	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 17 Vial:B03	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	0.168	1110077	2966359	1	5.54
2	1.13		0.000	399256	1522495	1	
3	1.35		0.000	132684	662491	1	
4	1.60	CHLORIDE	0.730	4412392	16741805	1	0.00
5	1.98	NITRITE	0.238	50986	246393	1	-1.24
6	3.67	NITRATE	1.545	1959004	18322046	1	0.00
7	5.80	PHOSPHATE	0.290	27472	331045	1	-2.08
8	7.57	SULFATE	1.208	970038	17579077	1	0.00
		Totals	4.180	9061908	58371710		



Data Reprocessed On 09/22/1995 02:54:41

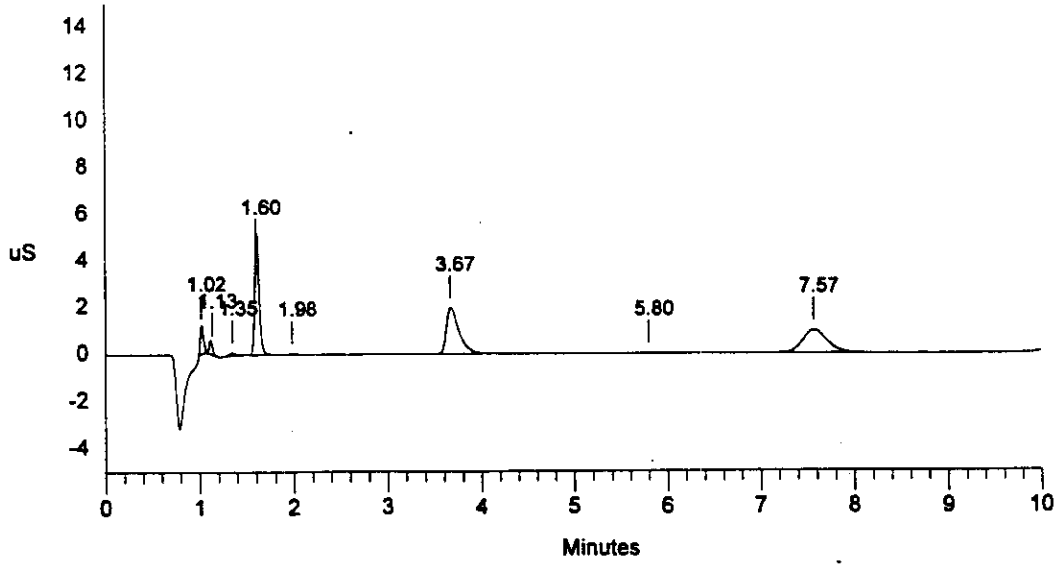
Sample Name: 95-7941-C3/PB-SEG1 - B03	Date: 09/14/1995 17:04:03
Data File : C:\DX\DATA\9509142\95091421.d17	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 17 Vial:B03	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	0.168	1110077	2966359	1	5.54
2	1.13		0.000	399256	1522495	1	
3	1.35		0.000	132684	662491	1	
4	1.60	CHLORIDE	0.730	4412392	16741805	1	0.00
5	1.98	NITRITE	0.238	50986	246393	1	-1.24
6	3.67	NITRATE	1.545	1959004	18322046	1	0.00
7	5.80	PHOSPHATE	0.290	27472	331045	1	-2.08
8	7.57	SULFATE	1.208	970038	17579077	1	0.00
		Totals	4.180	9061908	58371710		

File: 95091421.d17 Sample: 95-7941-C3/PB-SEG1 - B03



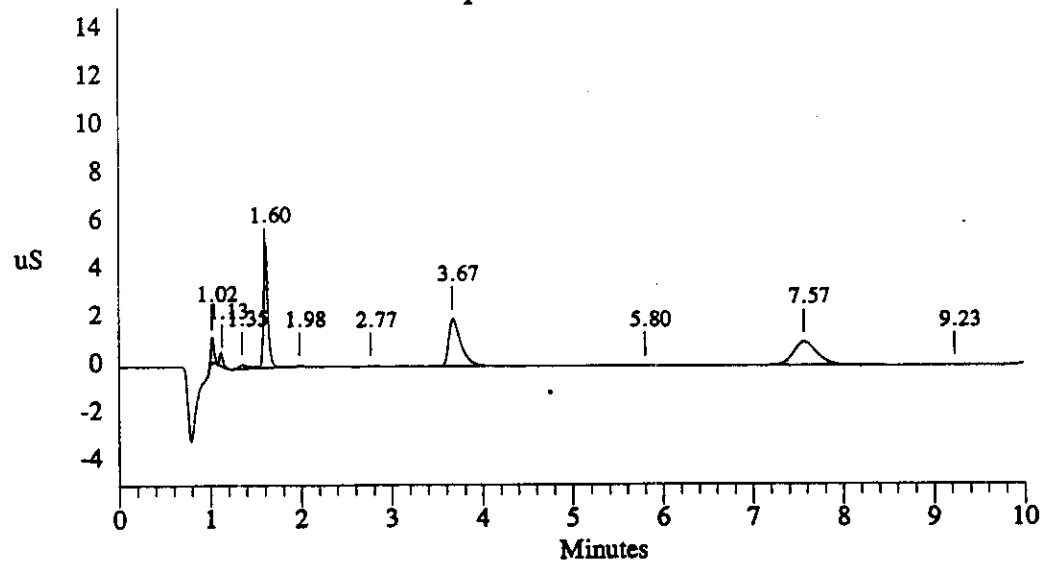
Sample Name: 95-7941-C3/PB-SEG1 - B03 Date: 09/14/1995 17:04:03
Data File : C:\DX\DATA\9509142\95091421.D17
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 17 Vial:B03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.157	989698	2476816	1	5.54
2	1.13		0.000	399256	1522495	1	
3	1.35		0.000	189574	1538116	2	
4	1.60	CHLORIDE	0.767	4474976	17740308	2	0.00
5	1.98	NITRITE	0.240	52352	271715	1	-1.24
6	2.77	BROMIDE	0.045	20205	319209	1	-7.90
7	3.67	NITRATE	1.609	1968687	19211202	1	0.00
8	5.80	PHOSPHATE	0.294	28157	353110	1	-2.08
9	7.57	SULFATE	1.238	975870	18116233	1	0.00
10	9.23		0.000	15122	265823	1	
		Totals	4.349	9113897	61815027		

File: 95091421.D17 Sample: 95-7941-C3/PB-SEG1 - B03



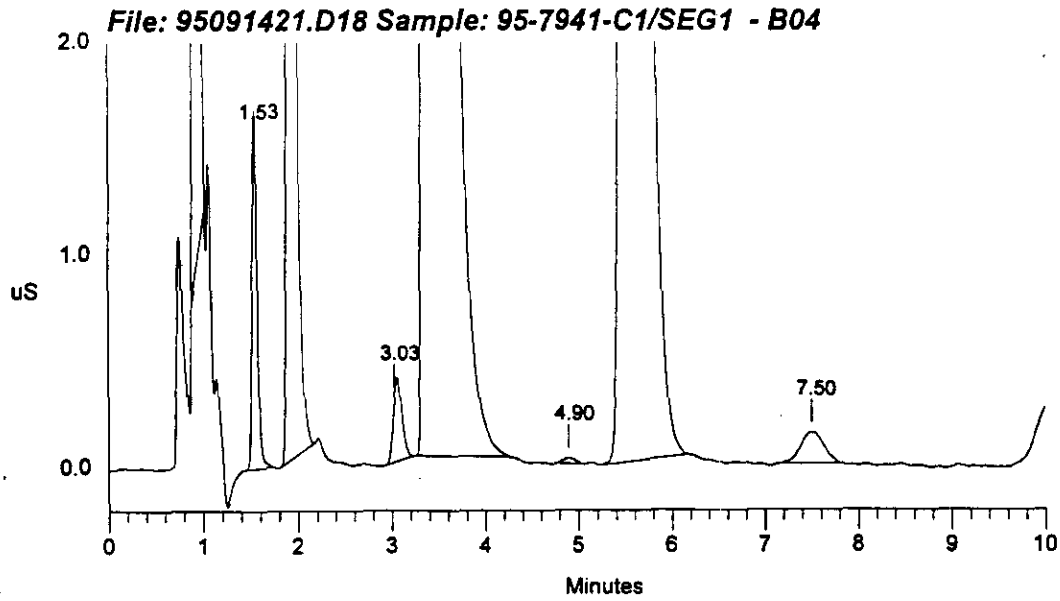
Data Reprocessed On 09/22/1995 03:12:44

Sample Name: 95-7941-C1/SEG1 - B04	Date: 09/14/1995 17:16:41
Data File : C:\DX\DATA\9509142\95091421.D18	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 18 Vial:B04	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	66.523	43559462	142724208	1	-0.70
2	1.53	CHLORIDE	6.692	1472995	6158237	1	0.00
3	1.93	NITRITE	81.452	15728454	67967463	1	0.46
4	3.03	BROMIDE	5.460	304372	2479238	1	5.36
5	3.37	NITRATE	577.456	35397905	480743155	1	0.00
6	4.90		0.000	27273	250740	1	
7	5.53	PHOSPHATE	645.243	20181828	277080522	1	1.74
8	7.50	SULFATE	7.225	143595	2508834	1	0.00
		Totals	1390.051	116815882	979912397		



Data Reprocessed On 09/22/1995 02:54:42

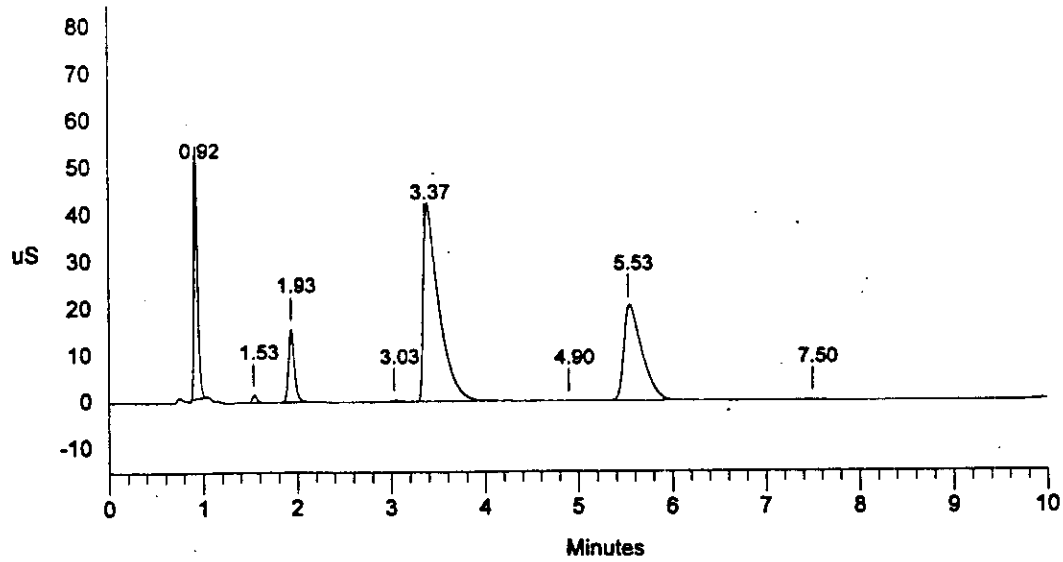
Sample Name: 95-7941-C1/SEG1 - B04		Date: 09/14/1995 17:16:41	
Data File : C:\DX\DATA\9509142\95091421.d18			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 18 Vial:B04			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	66.523	43559462	142724208	1	-0.70
2	1.53	CHLORIDE	6.692	1472995	6158237	1	0.00
3	1.93	NITRITE	81.452	15728454	67967463	1	0.46
4	3.03	BROMIDE	5.460	304372	2479238	1	5.36
5	3.37	NITRATE	577.456	35397905	480743155	1	0.00
6	4.90		0.000	27273	250740	1	
7	5.53	PHOSPHATE	645.243	20181828	277080522	1	1.74
8	7.50	SULFATE	7.225	143595	2508834	1	0.00
		Totals	1390.051	116815882	979912397		

File: 95091421.d18 Sample: 95-7941-C1/SEG1 - B04



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

Data Reprocessed On 09/18/1995 08:26:16

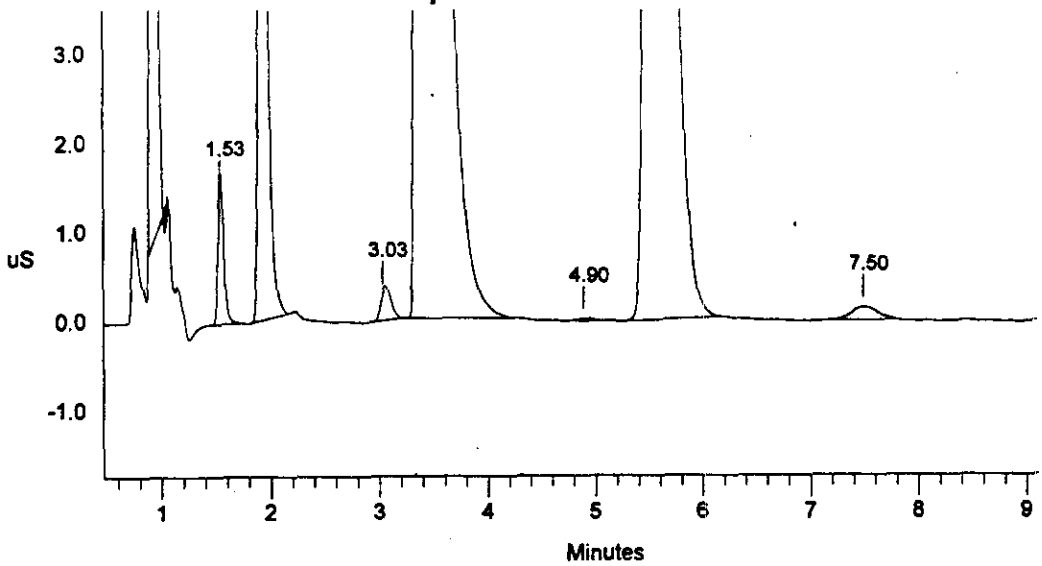
Sample Name: 95-7941-C1/SEG1 - B04	Date: 09/14/1995 17:16:41
Data File : C:\DX\DATA\9509142\95091421.D18	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 18 Vial:B04	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.46	9.11	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.92	FLUORIDE	66.523	43559462	142724208	1	-0.70
2	1.53	CHLORIDE	6.692	1472995	6158237	1	0.00
3	1.93	NITRITE	81.452	15728454	67967463	1	0.46
4	3.03	BROMIDE	5.460	304372	2479238	1	5.36
5	3.37	NITRATE	577.456	35397905	480743155	1	0.00
6	4.90		0.000	27273	250740	1	
7	5.53	PHOSPHATE	645.243	20181828	277080522	1	1.74
8	7.50	SULFATE	7.225	143595	2508834	1	0.00
		Totals	1390.051	116815882	979912397		

File: 95091421.D18 Sample: 95-7941-C1/SEG1 - B04



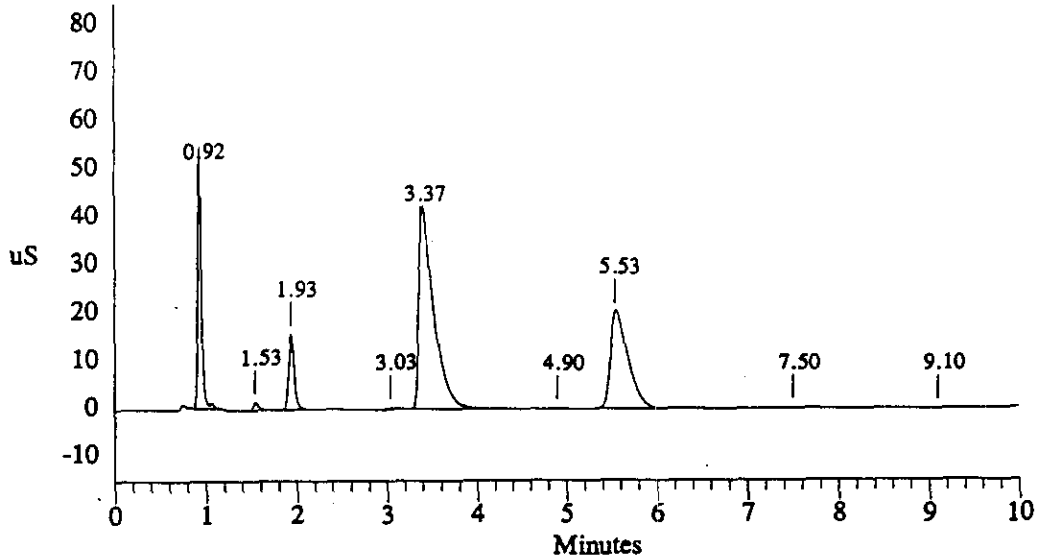
Sample Name: 95-7941-C1/SEG1 - B04 Date: 09/14/1995 17:16:41
Data File : C:\DX\DATA\9509142\95091421.D18
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 18 Vial:B04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	71.295	44173554	153487455	1	-0.70
2	1.53	CHLORIDE	8.238	1552273	8215940	1	0.00
3	1.93	NITRITE	81.452	15728454	67967463	1	0.46
4	3.03	BROMIDE	5.460	304372	2479238	1	5.36
5	3.37	NITRATE	578.188	35400066	481527501	1	0.00
6	4.90		0.000	30332	363705	1	
7	5.53	PHOSPHATE	647.975	20194231	278733070	1	1.74
8	7.50	SULFATE	7.786	154594	3006100	1	0.00
9	9.10		0.000	12686	262707	1	
		Totals	1400.394	117550562	996043179		

File: 95091421.D18 Sample: 95-7941-C1/SEG1 - B04



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

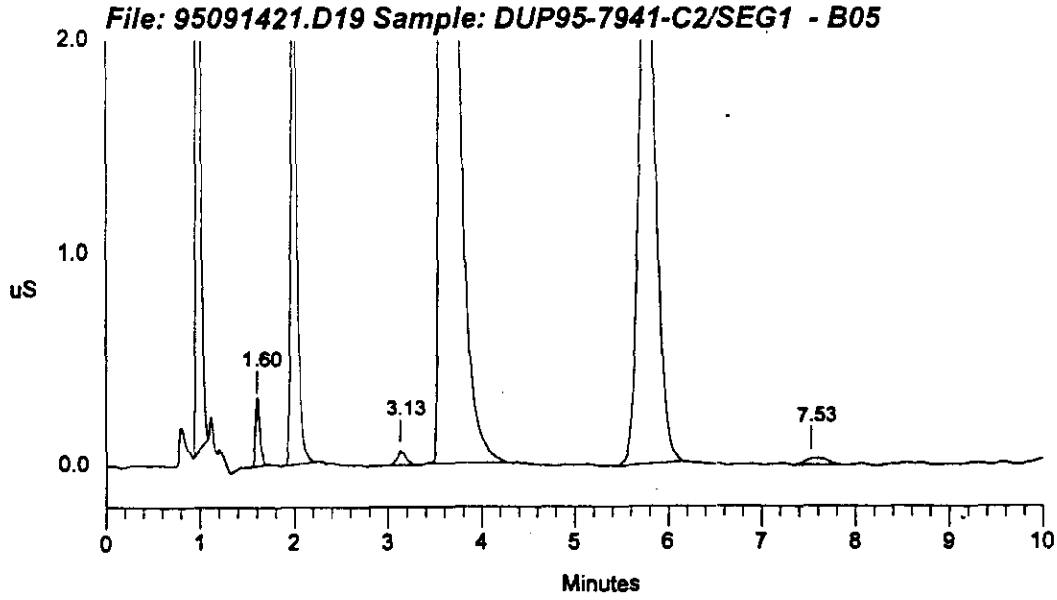
Data Reprocessed On 09/22/1995 03:13:04

Sample Name: DUP95-7941-C2/SEG1 - B05	Date: 09/14/1995 17:29:09
Data File : C:\DX\DATA\9509142\95091421.D19	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 19 Vial:B05	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	0.97	FLUORIDE	52.883	5226063	18678260	1	0.35
2	1.60	CHLORIDE	14.287	300158	1080600	1	0.00
3	1.98	NITRITE	87.694	2384713	11467668	1	-1.24
4	3.13	BROMIDE	5.847	64387	447167	1	4.30
5	3.60	NITRATE	626.045	8612898	85946308	1	0.00
6	5.77	PHOSPHATE	495.282	2572848	32621964	1	-0.84
7	7.53	SULFATE	24.998	30618	538674	1	0.00
		Totals	1307.037	19191687	150780642		



3-1519

Data Reprocessed On 09/22/1995 02:54:42

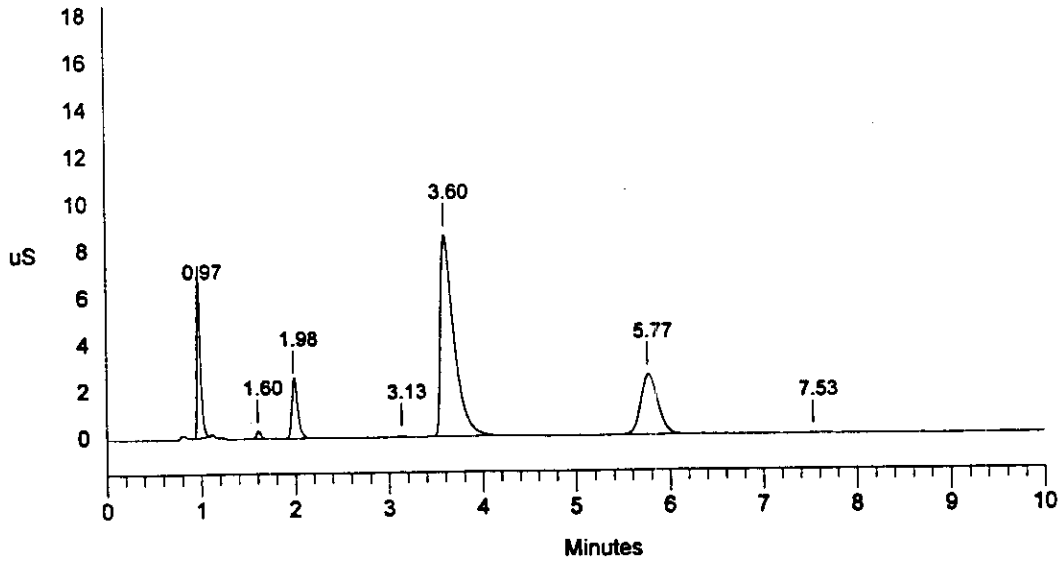
Sample Name: DUP95-7941-C2/SEG1 - B05		Date: 09/14/1995 17:29:09	
Data File : C:\DX\DATA\9509142\95091421.d19			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 19 Vial:B05			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	0.97	FLUORIDE	52.883	5226063	18678260	1	0.35
2	1.60	CHLORIDE	14.287	300158	1080600	1	0.00
3	1.98	NITRITE	87.694	2384713	11467668	1	-1.24
4	3.13	BROMIDE	5.847	64387	447167	1	4.30
5	3.60	NITRATE	626.045	8612898	85946308	1	0.00
6	5.77	PHOSPHATE	495.282	2572848	32621964	1	-0.84
7	7.53	SULFATE	24.998	30618	538674	1	0.00
		Totals	1307.037	19191687	150780642		

File: 95091421.d19 Sample: DUP95-7941-C2/SEG1 - B05



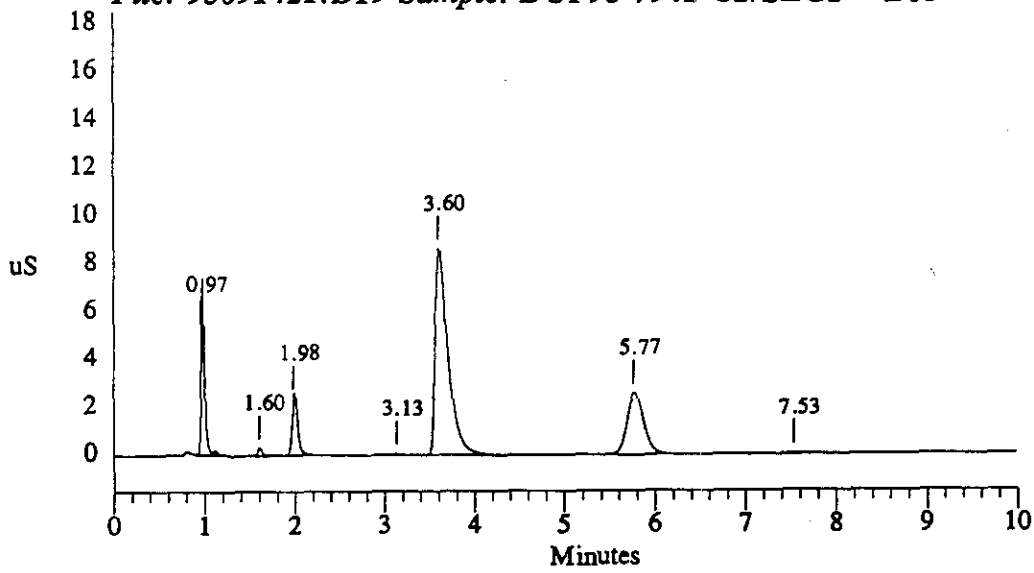
Sample Name: DUP95-7941-C2/SEG1 - B05 Date: 09/14/1995 17:29:09
Data File : C:\DX\DATA\9509142\95091421.D19
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 19 Vial:B05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	55.413	5247096	19782854	1	0.35
2	1.60	CHLORIDE	15.966	316202	1523569	1	0.00
3	1.98	NITRITE	88.804	2388484	11663020	1	-1.24
4	3.13	BROMIDE	6.099	65819	470920	1	4.30
5	3.60	NITRATE	632.095	8624255	86837464	1	0.00
6	5.77	PHOSPHATE	505.042	2581367	33316698	1	-0.84
7	7.53	SULFATE	24.998	30618	538674	1	0.00
		Totals	1328.417	19253843	154133199		

File: 95091421.D19 Sample: DUP95-7941-C2/SEG1 - B05



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

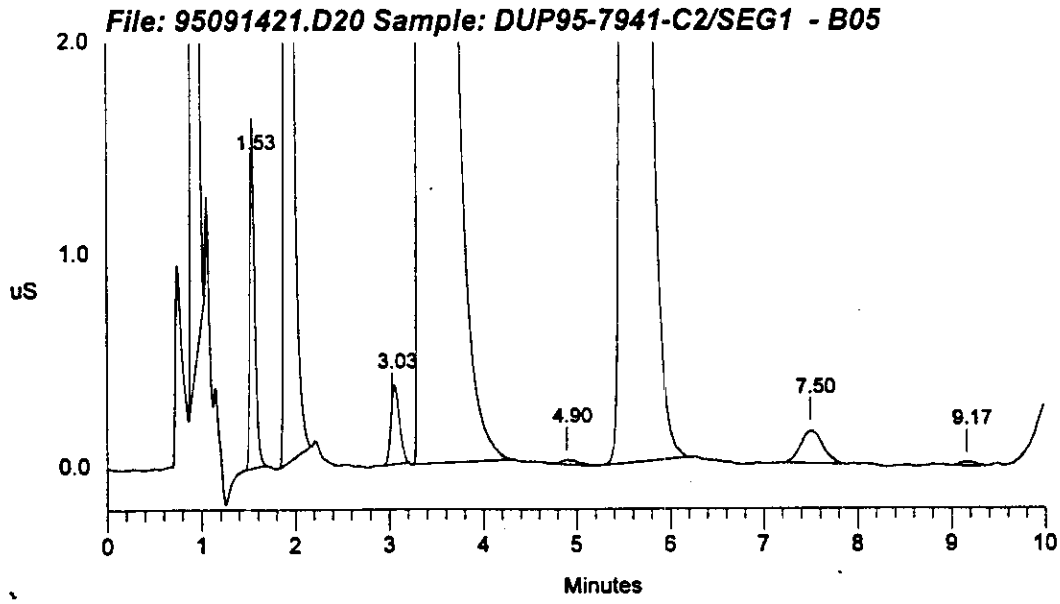
Data Reprocessed On 09/22/1995 03:13:34

Sample Name:	DUP95-7941-C2/SEG1 - B05 Date: 09/14/1995 17:41:46
Data File :	C:\DX\DATA\9509142\95091421.D20
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 20 Vial:B05 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	52.730	34090195	111781608	1	-0.70
2	1.53	CHLORIDE	6.542	1329123	5958383	1	0.00
3	1.93	NITRITE	80.308	15274368	66950503	1	0.46
4	3.03	BROMIDE	5.139	279840	2326658	1	5.36
5	3.37	NITRATE	645.219	47205709	556710666	1	0.00
6	4.90		0.000	20442	304877	1	
7	5.57	PHOSPHATE	515.993	15299325	206230502	1	2.36
8	7.50	SULFATE	7.208	153203	2494399	1	0.00
9	9.17		0.000	18634	244334	1	
		Totals	1313.138	113670840	953001929		



Data Reprocessed On 09/22/1995 02:54:43

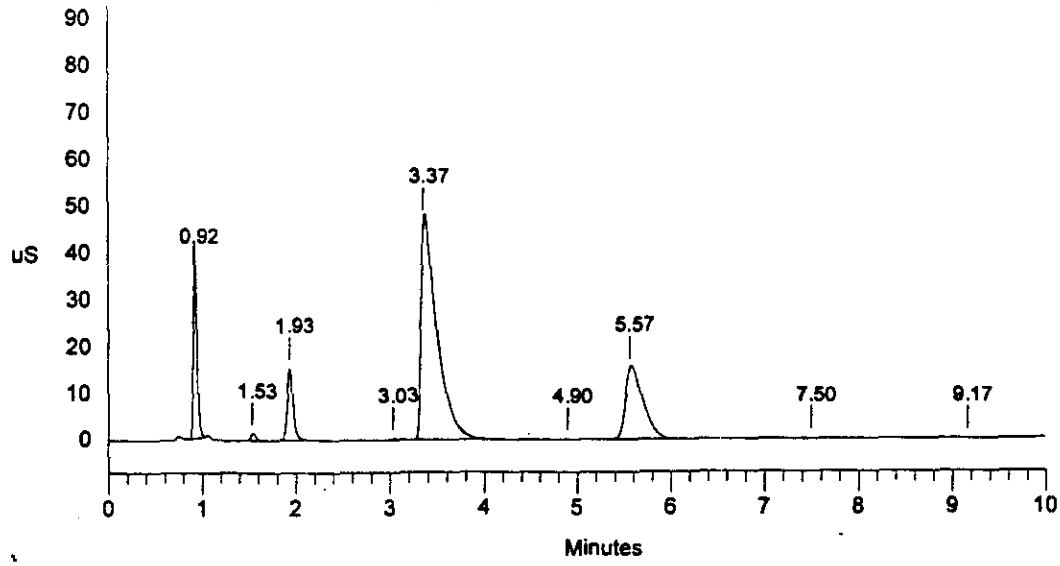
Sample Name: DUP95-7941-C2/SEG1 - B05	Date: 09/14/1995 17:41:46
Data File : C:\DX\DATA\9509142\95091421.d20	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 20 Vial:B05	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	52.730	34090195	111781608	1	-0.70
2	1.53	CHLORIDE	6.542	1329123	5958383	1	0.00
3	1.93	NITRITE	80.308	15274368	66950503	1	0.46
4	3.03	BROMIDE	5.139	279840	2326658	1	5.36
5	3.37	NITRATE	645.219	47205709	556710666	1	0.00
6	4.90		0.000	20442	304877	1	
7	5.57	PHOSPHATE	515.993	15299325	206230502	1	2.36
8	7.50	SULFATE	7.208	153203	2494399	1	0.00
9	9.17		0.000	18634	244334	1	
		Totals	1313.138	113670840	953001929		

File: 95091421.d20 Sample: DUP95-7941-C2/SEG1 - B05



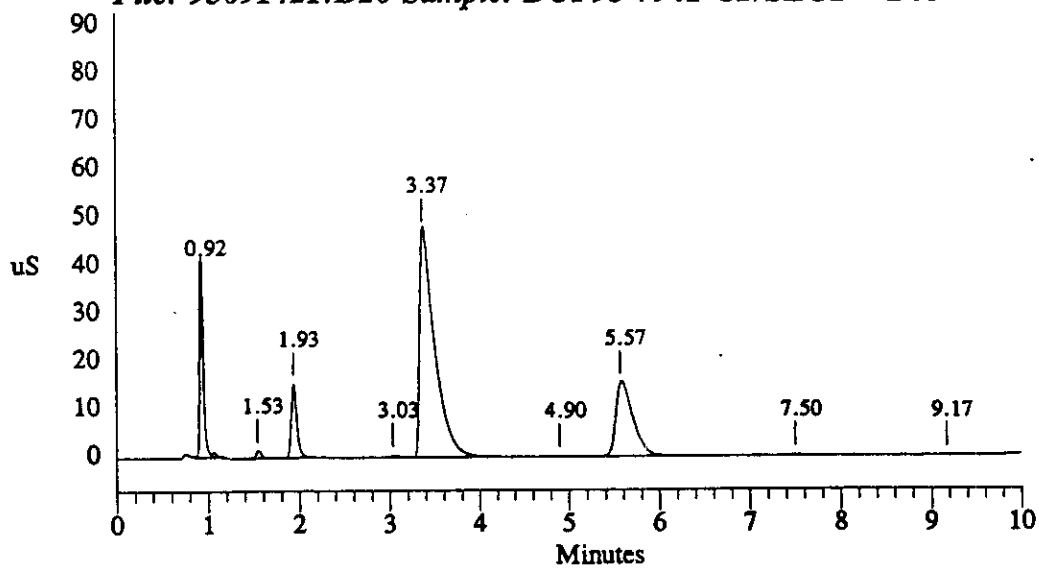
Sample Name: DUP95-7941-C2/SEG1 - B05 Date: 09/14/1995 17:41:46
Data File : C:\DX\DATA\9509142\95091421.D20
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 20 Vial:B05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	55.464	34256497	117895355	1	-0.70
2	1.53	CHLORIDE	8.106	1409462	8039429	1	0.00
3	1.93	NITRITE	80.308	15274368	66950503	1	0.46
4	3.03	BROMIDE	5.290	282400	2398733	1	5.36
5	3.37	NITRATE	645.926	47207579	557542088	1	0.00
6	4.90		0.000	20442	304877	1	
7	5.57	PHOSPHATE	519.241	15310944	207864861	1	2.36
8	7.50	SULFATE	7.589	155804	2831304	1	0.00
9	9.17		0.000	18634	244334	1	
		Totals	1321.924	113936131	964071484		

File: 95091421.D20 Sample: DUP95-7941-C2/SEG1 - B05



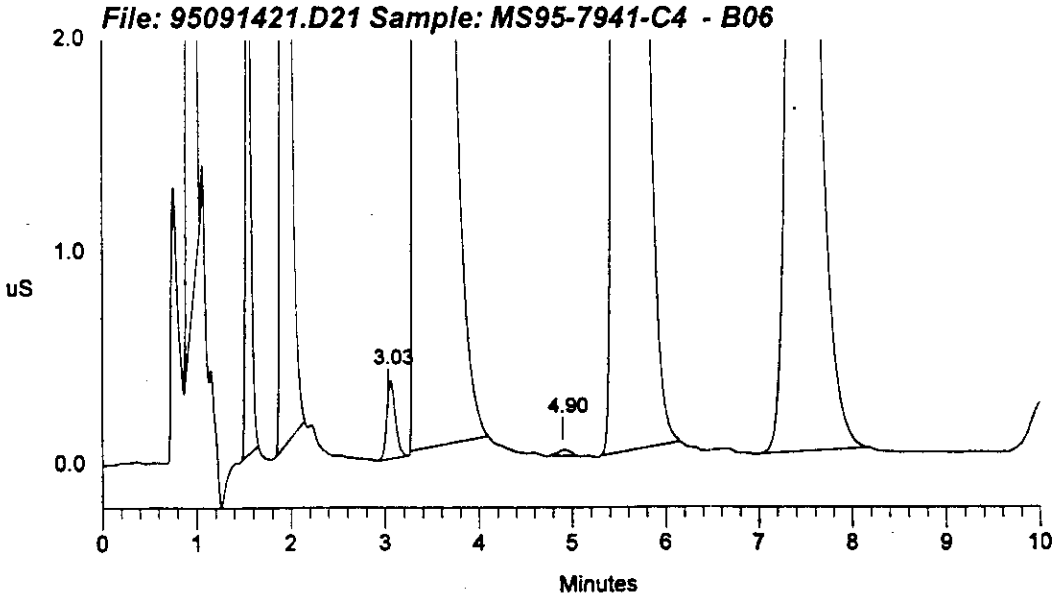
Data Reprocessed On 09/22/1995 03:13:55

Sample Name: MS95-7941-C4 - B06	Date: 09/14/1995 17:54:23	
Data File : C:\DX\DATA\9509142\95091421.D21		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 21 Vial:B06	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	75.784	59496677	163638973	1	0.02
2	1.55	CHLORIDE	10.305	3130512	10977255	1	0.00
3	1.93	NITRITE	118.059	21325552	100593657	1	-0.62
4	3.03	BROMIDE	5.126	273287	2320573	1	4.23
5	3.37	NITRATE	695.751	53320582	618500027	1	0.00
6	4.90		0.000	27109	274305	1	
7	5.53	PHOSPHATE	700.879	22920025	312439206	1	1.74
8	7.43	SULFATE	142.286	6903358	126706939	1	0.00
		Totals	1748.190	167397101	1335450935		



WHC-SD-WM-DP-165, REV. 1

Data Reprocessed On 09/22/1995 02:54:44

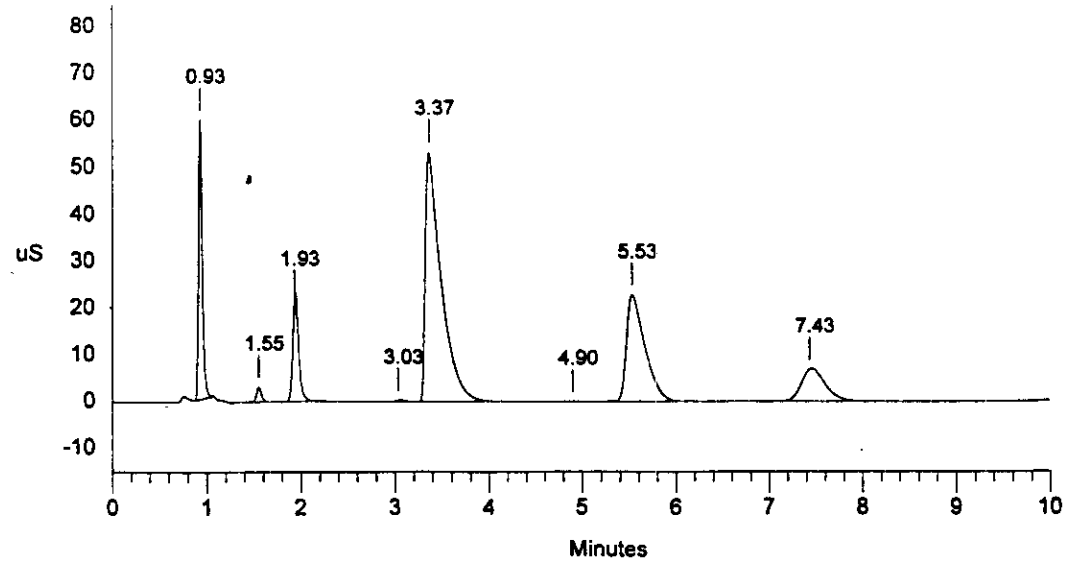
Sample Name: MS95-7941-C4 - B06	Date: 09/14/1995 17:54:23
Data File : C:\DX\DATA\9509142\95091421.d21	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 21 Vial:B06	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	75.784	59496677	163638973	1	0.02
2	1.55	CHLORIDE	10.305	3130512	10977255	1	0.00
3	1.93	NITRITE	118.059	21325552	100593657	1	-0.62
4	3.03	BROMIDE	5.126	273287	2320573	1	4.23
5	3.37	NITRATE	695.751	53320582	618500027	1	0.00
6	4.90		0.000	27109	274305	1	
7	5.53	PHOSPHATE	700.879	22920025	312439206	1	1.74
8	7.43	SULFATE	142.286	6903358	126706939	1	0.00
		Totals	1748.190	167397101	1335450935		

File: 95091421.d21 Sample: MS95-7941-C4 - B06



WHC-SD-WM-DP-165, REV. 1

Data Reprocessed On 09/18/1995 08:25:56

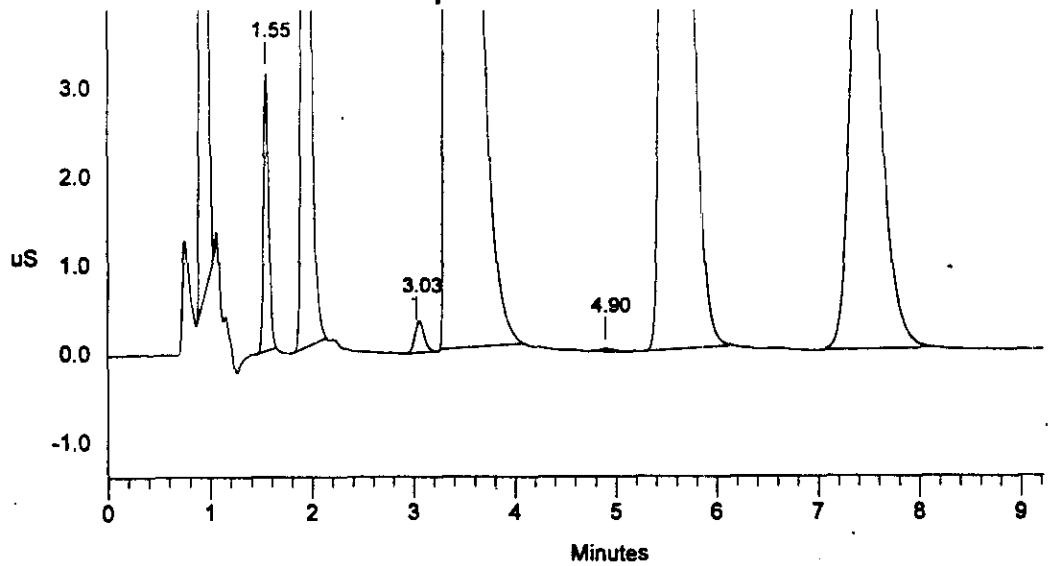
Sample Name: MS95-7941-C4 - B06	Date: 09/14/1995 17:54:23
Data File : C:\DX\DATA\9509142\95091421.D21	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 21 Vial:B06	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	9.23	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	75.784	59496677	163638973	1	0.02
2	1.55	CHLORIDE	10.305	3130512	10977255	1	0.00
3	1.93	NITRITE	118.059	21325552	100593657	1	-0.62
4	3.03	BROMIDE	5.126	273287	2320573	1	4.23
5	3.37	NITRATE	695.751	53320582	618500027	1	0.00
6	4.90		0.000	27109	274305	1	
7	5.53	PHOSPHATE	700.879	22920025	312439206	1	1.74
8	7.43	SULFATE	142.286	6903358	126706939	1	0.00
		Totals	1748.190	167397101	1335450935		

File: 95091421.D21 Sample: MS95-7941-C4 - B06



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Sample Name: MS95-7941-C4  - B06            Date: 09/14/1995 17:54:23
Data File  : C:\DX\DATA\9509142\95091421.D21
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 21  Vial:B06        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```
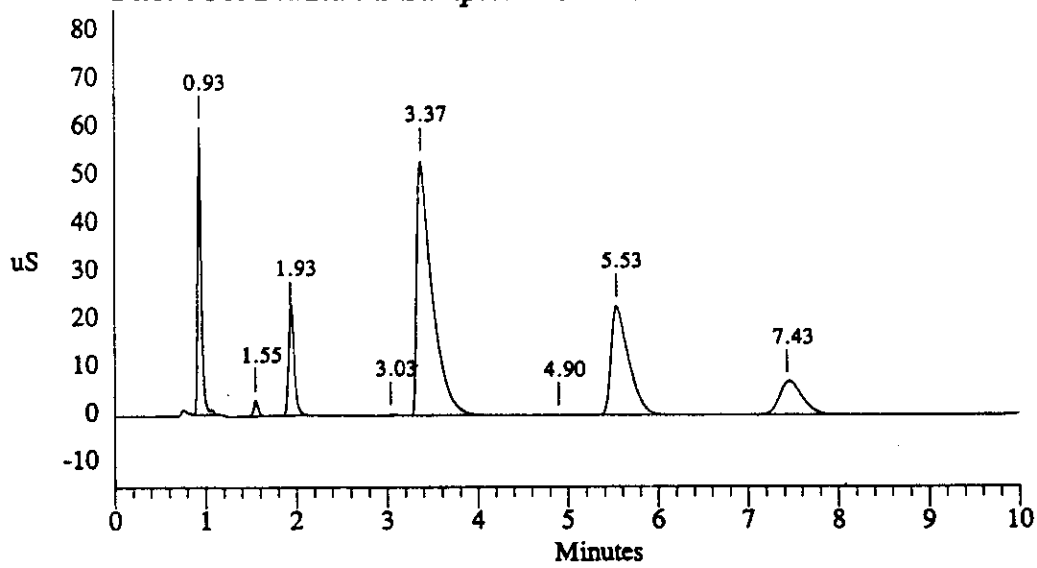

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.93	FLUORIDE	79.154	59789083	171274989	1	0.02
2	1.55	CHLORIDE	12.556	3254359	13997976	1	0.00
3	1.93	NITRITE	118.437	21336462	100931631	1	-0.62
4	3.03	BROMIDE	5.126	273287	2320573	1	4.23
5	3.37	NITRATE	698.142	53330507	621553735	1	0.00
6	4.90		0.000	27109	274305	1	
7	5.53	PHOSPHATE	703.551	22938685	314237741	1	1.74
8	7.43	SULFATE	143.456	6914308	127826056	1	0.00
		Totals	1760.422	167863799	1352417005		

File: 95091421.D21 Sample: MS95-7941-C4 - B06



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

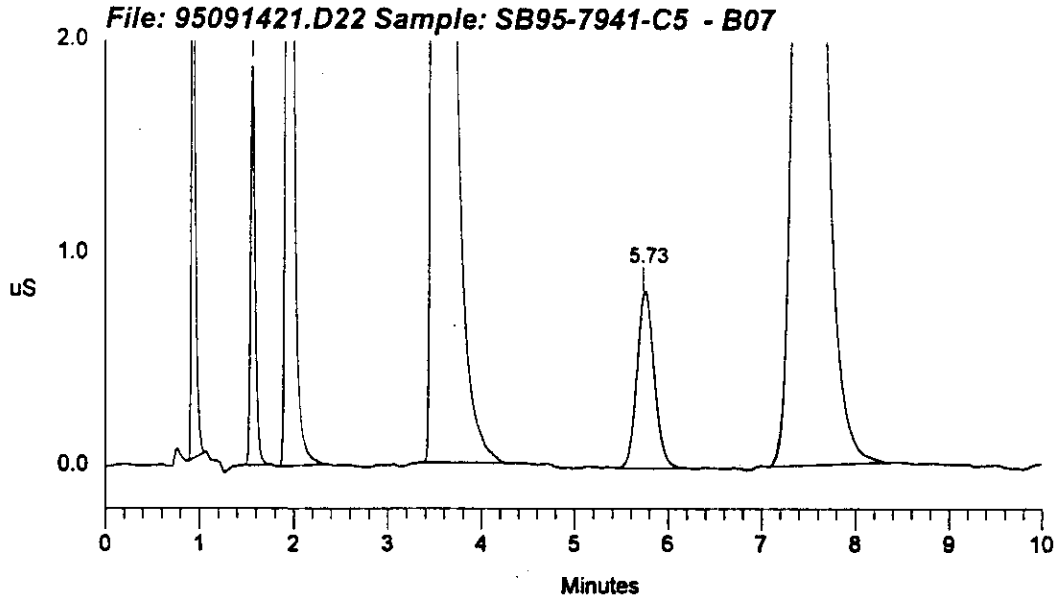
Data Reprocessed On 09/22/1995 03:14:21

Sample Name: SB95-7941-C5 - B07	Date: 09/14/1995 18:07:01
Data File : C:\DX\DATA\9509142\95091421.D22	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 22 Vial:B07	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	6.062	3365774	8832799	1	-1.05
2	1.57	CHLORIDE	6.884	1875287	6412748	1	0.00
3	1.95	NITRITE	46.142	8443919	36681242	1	-0.83
4	3.50	NITRATE	207.923	12962024	148395820	1	0.00
5	5.73	PHOSPHATE	36.591	800272	10804687	1	1.41
6	7.47	SULFATE	148.709	7468954	132858616	1	0.00
		Totals	452.312	34916231	343985912		



3-1529

Data Reprocessed On 09/22/1995 02:54:45

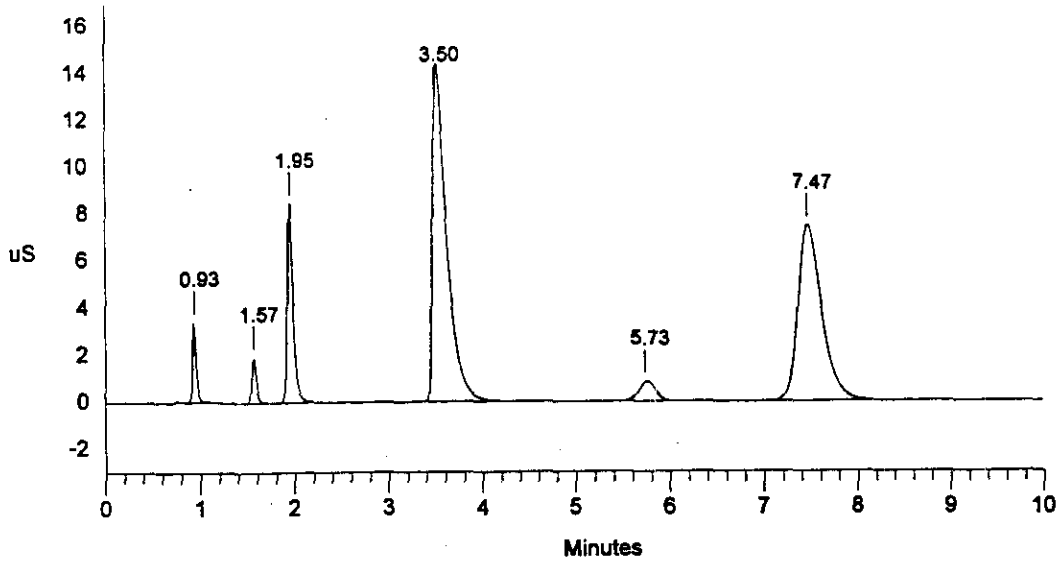
Sample Name: SB95-7941-C5 - B07	Date: 09/14/1995 18:07:01
Data File : C:\DX\DATA\9509142\95091421.d22	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 22 Vial:B07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	6.062	3365774	8832799	1	-1.05
2	1.57	CHLORIDE	6.884	1875287	6412748	1	0.00
3	1.95	NITRITE	46.142	8443919	36681242	1	-0.83
4	3.50	NITRATE	207.923	12962024	148395820	1	0.00
5	5.73	PHOSPHATE	36.591	800272	10804687	1	1.41
6	7.47	SULFATE	148.709	7468954	132858616	1	0.00
		Totals	452.312	34916231	343985912		

File: 95091421.d22 Sample: SB95-7941-C5 - B07



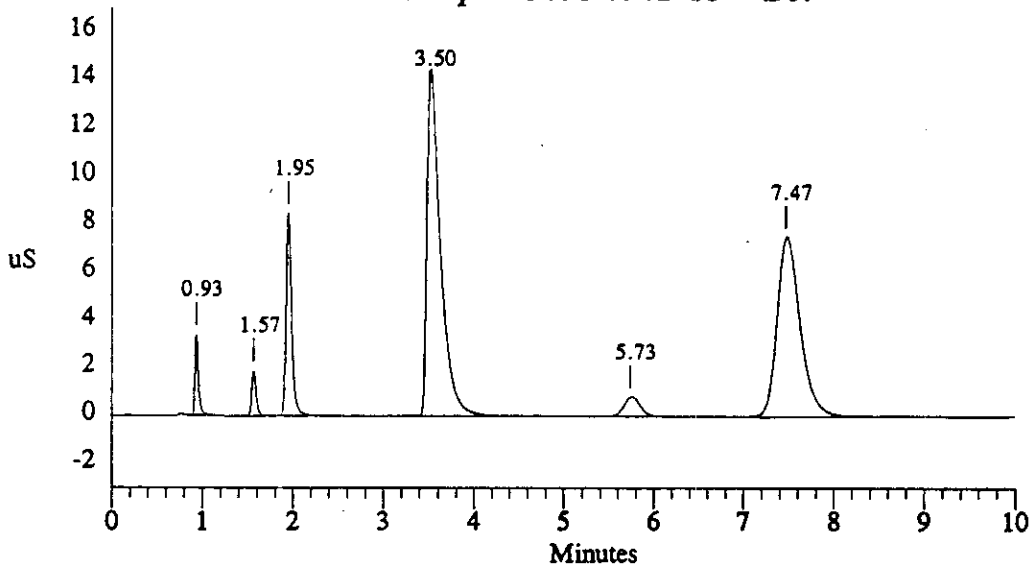
Sample Name: SB95-7941-C5 - B07 Date: 09/14/1995 18:07:01
Data File : C:\DX\DATA\9509142\95091421.D22
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 22 Vial:B07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	6.217	3377329	9169482	1	-1.05
2	1.57	CHLORIDE	7.285	1894660	6946247	1	0.00
3	1.95	NITRITE	46.608	8446697	37092945	1	-0.83
4	3.50	NITRATE	209.374	12980567	149520350	1	0.00
5	5.73	PHOSPHATE	36.687	800629	10837567	1	1.41
6	7.47	SULFATE	150.752	7485221	134820117	1	0.00
		Totals	456.923	34985104	348386707		

File: 95091421.D22 Sample: SB95-7941-C5 - B07



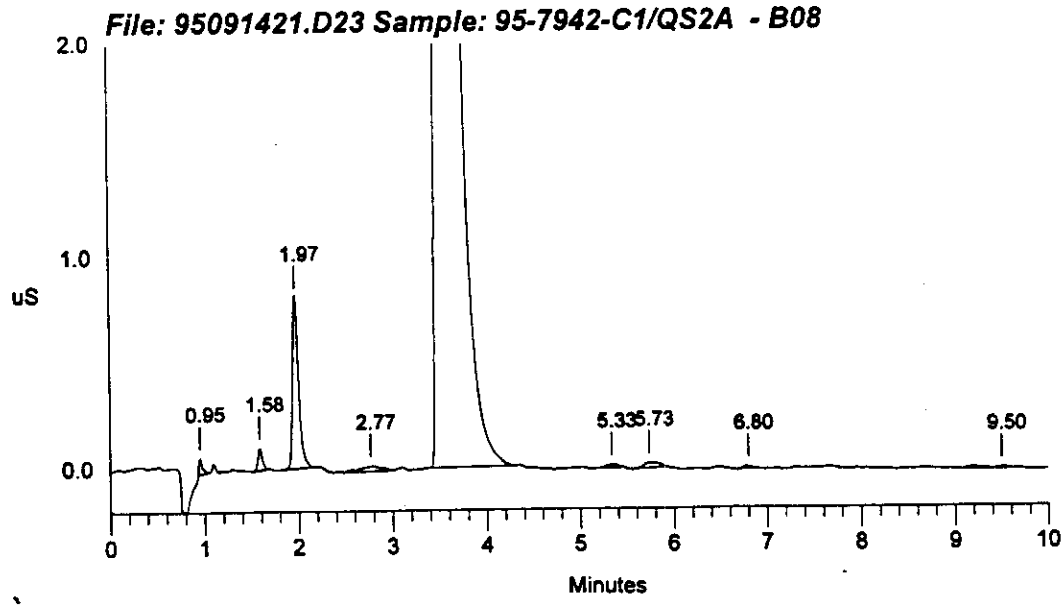
Data Reprocessed On 09/22/1995 03:14:43

Sample Name: 95-7942-C1/QS2A - B08	Date: 09/14/1995 18:20:14
Data File : C:\DX\DATA\9509142\95091421.D23	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 23 Vial:B08	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	20	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	0.95	FLUORIDE	52.316	75359	196472	1	-0.34
2	1.58	CHLORIDE	57.644	105711	353360	1	0.00
3	1.97	NITRITE	216.796	809679	3675003	1	-1.04
4	2.77	BROMIDE	27.298	24824	410595	1	-6.93
5	3.53	NITRATE	5970.378	16531532	172570617	1	0.00
6	5.33		0.000	16121	152049	1	
7	5.73	PHOSPHATE	143.309	24916	306347	1	0.45
8	6.80	SULFATE	111.335	9365	55398	1	0.00
9	9.50		0.000	8828	273153	1	
		Totals	6579.076	17606334	177992995		



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

Data Reprocessed On 09/22/1995 02:54:46

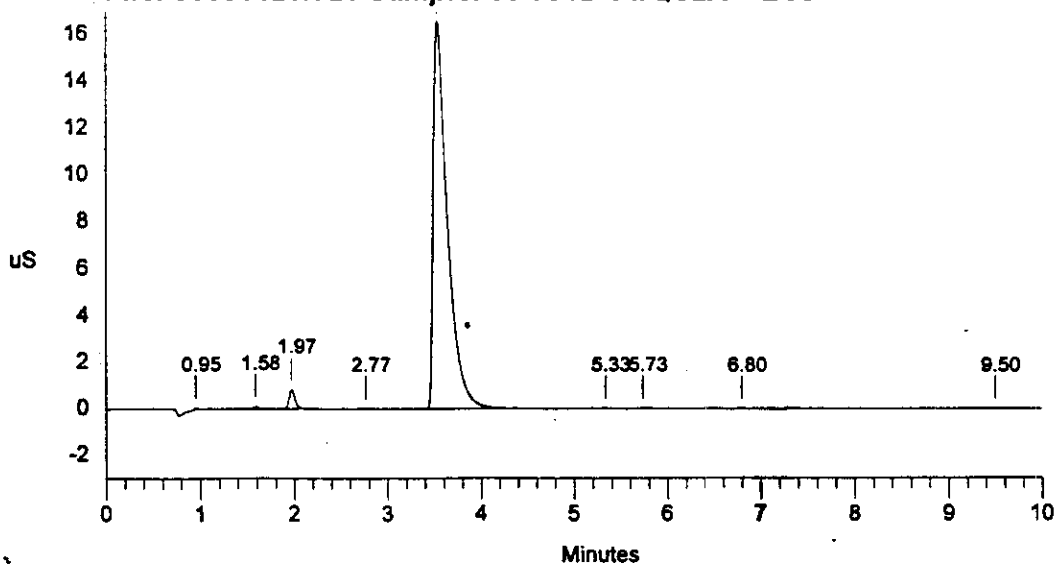
Sample Name: 95-7942-C1/QS2A - B08	Date: 09/14/1995 18:20:14
Data File : C:\DX\DATA\9509142\95091421.d23	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 23 Vial:B08	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	20	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	0.95	FLUORIDE	52.316	75359	196472	1	-0.34
2	1.58	CHLORIDE	57.644	105711	353360	1	0.00
3	1.97	NITRITE	216.796	809679	3675003	1	-1.04
4	2.77	BROMIDE	27.298	24824	410595	1	-6.93
5	3.53	NITRATE	5970.378	16531532	172570617	1	0.00
6	5.33		0.000	16121	152049	1	
7	5.73	PHOSPHATE	143.309	24916	306347	1	0.45
8	6.80	SULFATE	111.335	9365	55398	1	0.00
9	9.50		0.000	8828	273153	1	
		Totals	6579.076	17606334	177992995		

File: 95091421.d23 Sample: 95-7942-C1/QS2A - B08



3-1533

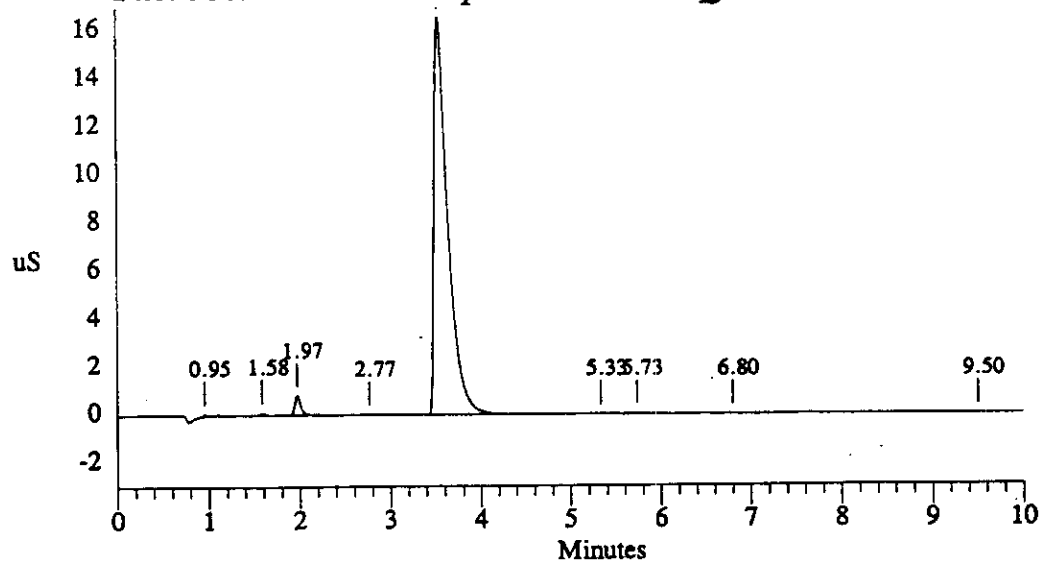
Sample Name: 95-7942-C1/QS2A - B08 Date: 09/14/1995 18:20:14
Data File : C:\DX\DATA\9509142\95091421.D23
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 23 Vial:B08 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	20	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	0.95	FLUORIDE	52.316	75359	196472	1	-0.34
2	1.58	CHLORIDE	58.585	108774	402957	1	0.00
3	1.97	NITRITE	226.284	816641	4008317	1	-1.04
4	2.77	BROMIDE	27.298	24824	410595	1	-6.93
5	3.53	NITRATE	5997.284	16539750	173421811	1	0.00
6	5.33		0.000	21483	263980	1	
7	5.73	PHOSPHATE	158.335	31353	509144	1	0.45
8	6.80	SULFATE	115.681	16351	209219	1	0.00
9	9.50		0.000	8828	273153	1	
		Totals	6635.783	17643361	179695648		

File: 95091421.D23 Sample: 95-7942-C1/QS2A - B08



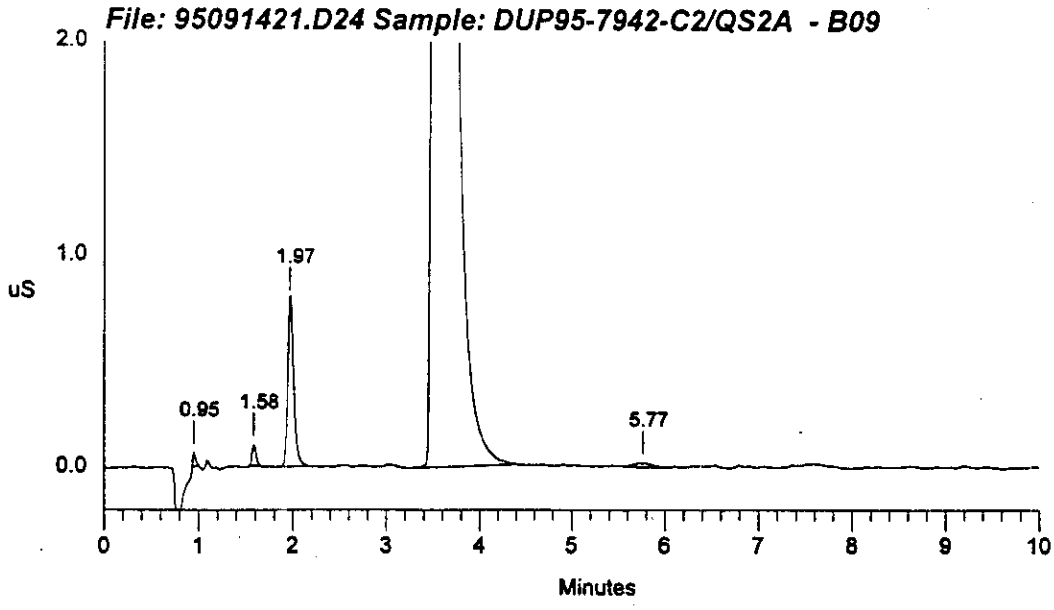
Data Reprocessed On 09/22/1995 03:15:05

Sample Name: DUP95-7942-C2/QS2A - B09		Date: 09/14/1995 18:33:27	
Data File : C:\DX\DATA\9509142\95091421.D24			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2	Inject#: 24 Vial:B09		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	20	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	0.95	FLUORIDE	51.631	63914	136884	1	-0.34
2	1.58	CHLORIDE	56.550	95385	295701	1	0.00
3	1.97	NITRITE	213.642	784324	3564211	1	-1.04
4	3.53	NITRATE	6003.798	16465427	173628001	1	0.00
5	5.77	PHOSPHATE	141.600	18547	283281	1	1.03
		Totals	6467.221	17427598	177908077		



Data Reprocessed On 09/22/1995 02:54:46

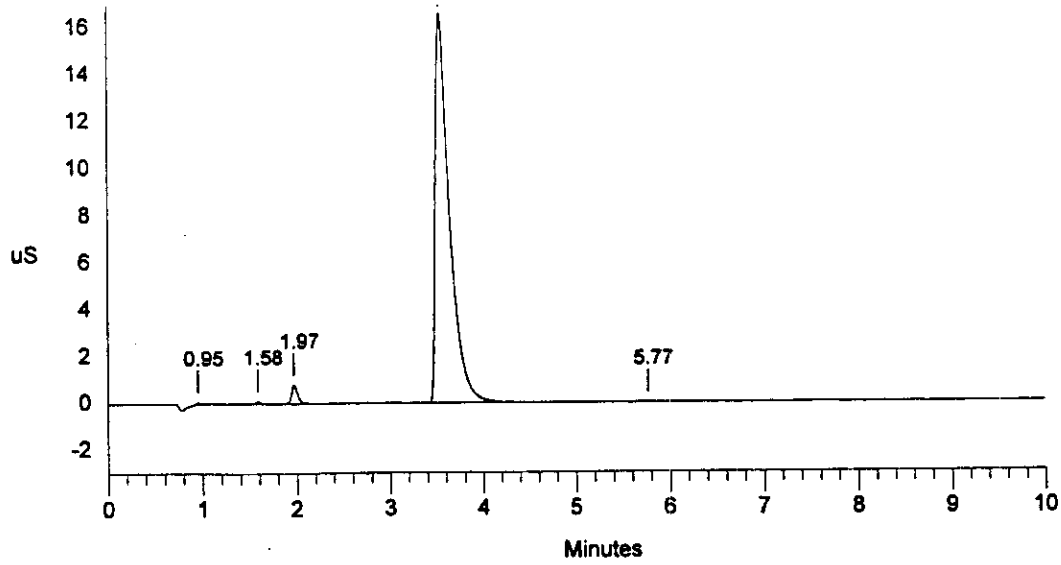
Sample Name: DUP95-7942-C2/QS2A - B09	Date: 09/14/1995 18:33:27
Data File : C:\DX\DATA\9509142\95091421.d24	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 24 Vial:B09	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	20	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	0.95	FLUORIDE	51.631	63914	136884	1	-0.34
2	1.58	CHLORIDE	56.550	95385	295701	1	0.00
3	1.97	NITRITE	213.642	784324	3564211	1	-1.04
4	3.53	NITRATE	6003.798	16465427	173628001	1	0.00
5	5.77	PHOSPHATE	141.600	18547	283281	1	1.03
		Totals	6467.221	17427598	177908077		

File: 95091421.d24 Sample: DUP95-7942-C2/QS2A - B09



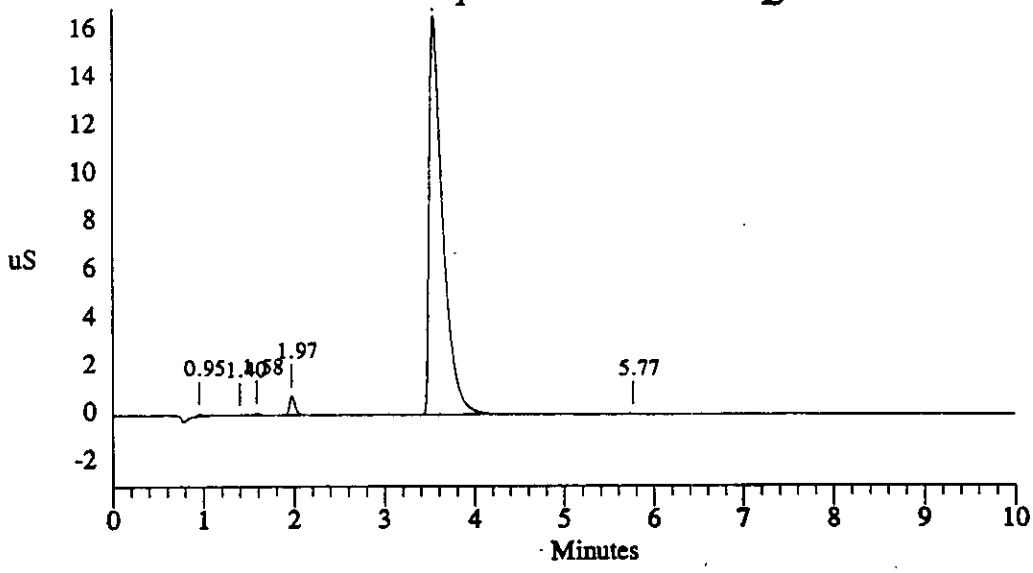
Sample Name: DUP95-7942-C2/QS2A - B09 Date: 09/14/1995 18:33:27
Data File : C:\DX\DATA\9509142\95091421.D24
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 24 Vial:B09 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	20	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	0.95	FLUORIDE	54.699	81846	403661	1	-0.34
2	1.40		0.000	10708	124193	2	
3	1.58	CHLORIDE	57.866	104116	365054	2	0.00
4	1.97	NITRITE	215.314	785921	3622958	1	-1.04
5	3.53	NITRATE	6013.038	16468110	173920508	1	0.00
6	5.77	PHOSPHATE	143.692	18598	311518	1	1.03
		Totals	6484.610	17469299	178747892		

File: 95091421.D24 Sample: DUP95-7942-C2/QS2A - B09



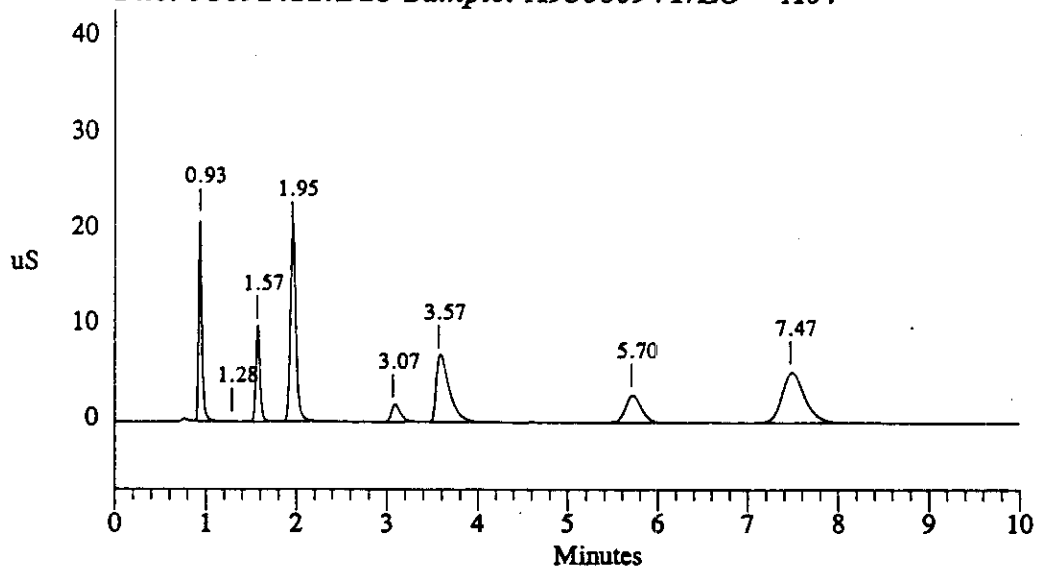
Sample Name: A950609V1/LO - A04 Date: 09/14/1995 18:46:05
Data File : C:\DX\DATA\9509142\95091421.D25
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 25 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.454	20941240	53493414	1	-1.05
2	1.28		0.000	45160	270024	1	
3	1.57	CHLORIDE	26.216	9694946	32635534	1	0.00
4	1.95	NITRITE	106.972	19606271	90691232	1	-0.83
5	3.07	BROMIDE	28.137	1566236	13489874	1	4.26
6	3.57	NITRATE	103.766	6685348	70255416	1	0.00
7	5.70	PHOSPHATE	108.353	2754925	35937836	1	-1.07
8	7.47	SULFATE	107.339	5162804	93650407	1	0.00
		Totals	507.237	66456931	390423738		

File: 95091421.D25 Sample: A950609V1/LO - A04



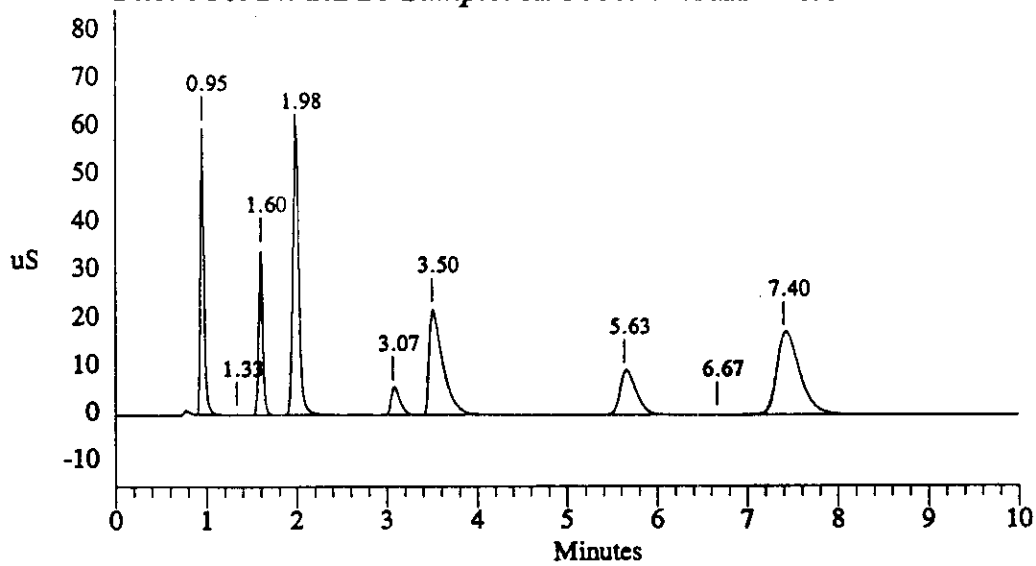
Sample Name: A950609V2/MID - A04 Date: 09/14/1995 18:59:05
Data File : C:\DX\DATA\9509142\95091421.D26
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 26 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.088	59627687	169255829	1	-1.38
2	1.33		0.000	107057	527856	1	
3	1.60	CHLORIDE	26.609	34314070	111771038	1	0.00
4	1.98	NITRITE	106.210	56159342	282960186	1	-1.24
5	3.07	BROMIDE	27.295	5416826	41720350	1	2.08
6	3.50	NITRATE	104.394	21744597	232916680	1	0.00
7	5.63	PHOSPHATE	108.204	8983013	119131571	1	-0.36
8	6.67		0.000	11778	126428	1	
9	7.40	SULFATE	106.881	16856273	307588020	1	0.00
		Totals	505.680	203220643	1265997958		

File: 95091421.D26 Sample: A950609V2/MID - A04



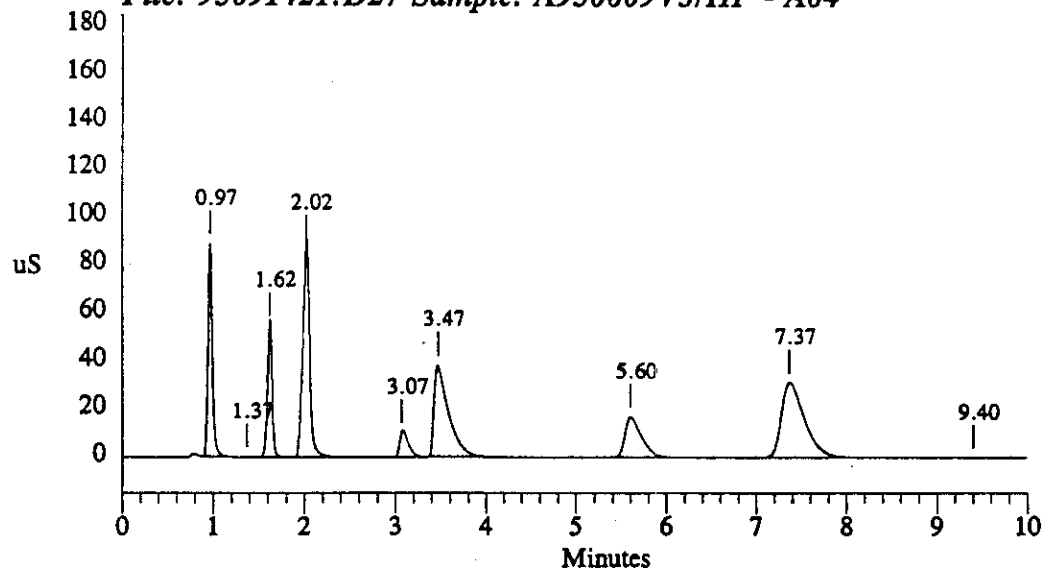
Sample Name: A950609V3/HI - A04 Date: 09/14/1995 19:12:30
Data File : C:\DX\DATA\9509142\95091421.D27
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 27 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.454	88652654	293690362	1	-0.68
2	1.37		0.000	154111	848344	1	
3	1.62	CHLORIDE	26.689	54614194	204192097	1	0.00
4	2.02	NITRITE	106.096	87033568	482750091	1	-0.61
5	3.07	BROMIDE	27.266	10386919	74480731	1	1.03
6	3.47	NITRATE	104.467	38274886	423546957	1	0.00
7	5.60	PHOSPHATE	108.497	16994787	219748144	1	0.00
8	7.37	SULFATE	107.207	31266641	563779081	1	0.00
9	9.40		0.000	11987	273095	1	
		Totals	506.675	327389747	2263308901		

File: 95091421.D27 Sample: A950609V3/HI - A04



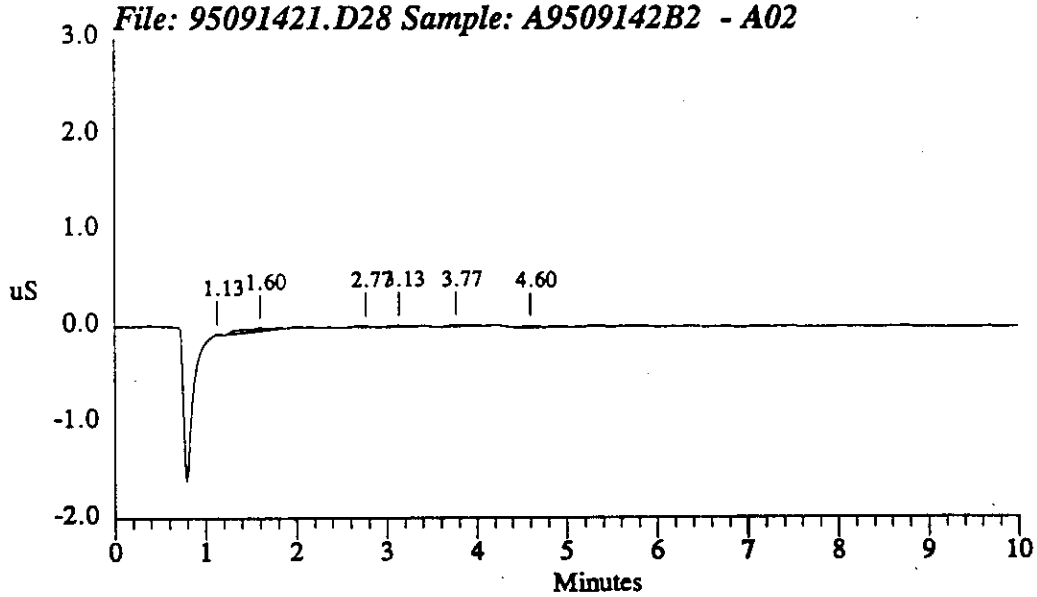
Sample Name: A9509142B2 - A02 Date: 09/14/1995 19:28:58
Data File : C:\DX\DATA\9509142\95091421.D28
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 28 Vial:A02 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.13		0.000	11305	52542	1	
2	1.60	CHLORIDE	0.136	32034	896700	1	0.00
3	2.77		0.000	16573	240506	1	
4	3.13	BROMIDE	0.031	17108	191914	1	4.30
5	3.77	NITRATE	0.249	19431	330997	1	0.00
6	4.60		0.000	15522	345567	1	
		Totals	0.417	111973	2058226		

File: 95091421.D28 Sample: A9509142B2 - A02

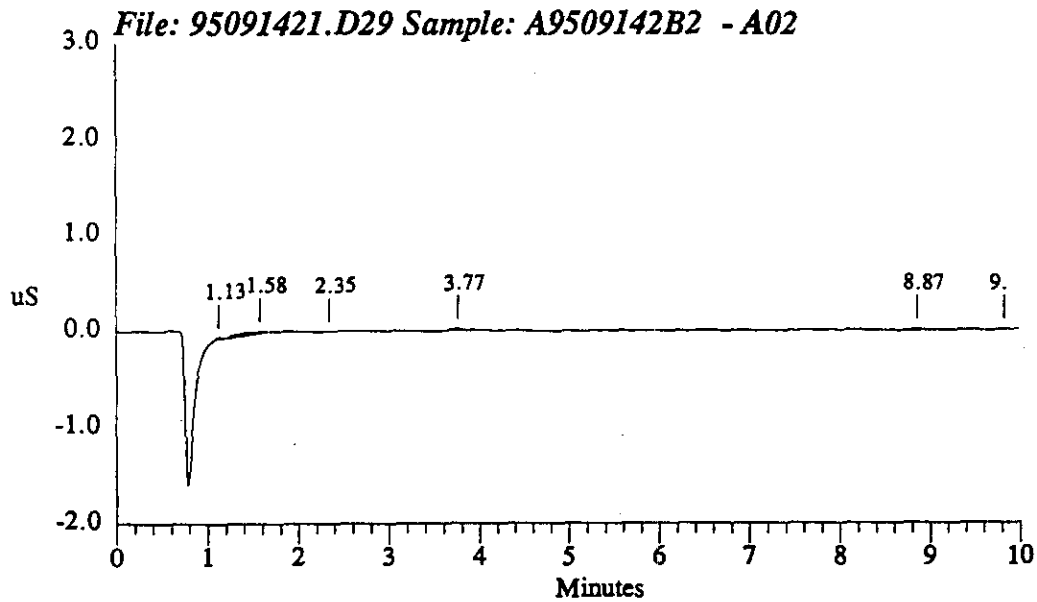


Sample Name: A9509142B2 - A02 Date: 09/14/1995 19:45:17
Data File : C:\DX\DATA\9509142\95091421.D29
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 29 Vial:A02 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.13		0.000	17424	71473	1	
2	1.58	CHLORIDE	0.122	23882	528723	1	0.00
3	2.35		0.000	6683	72528	1	
4	3.77	NITRATE	0.240	20518	205827	1	0.00
5	8.87		0.000	16449	135764	1	
6	9.83		0.000	6231	56957	1	
		Totals	0.362	91187	1071272		



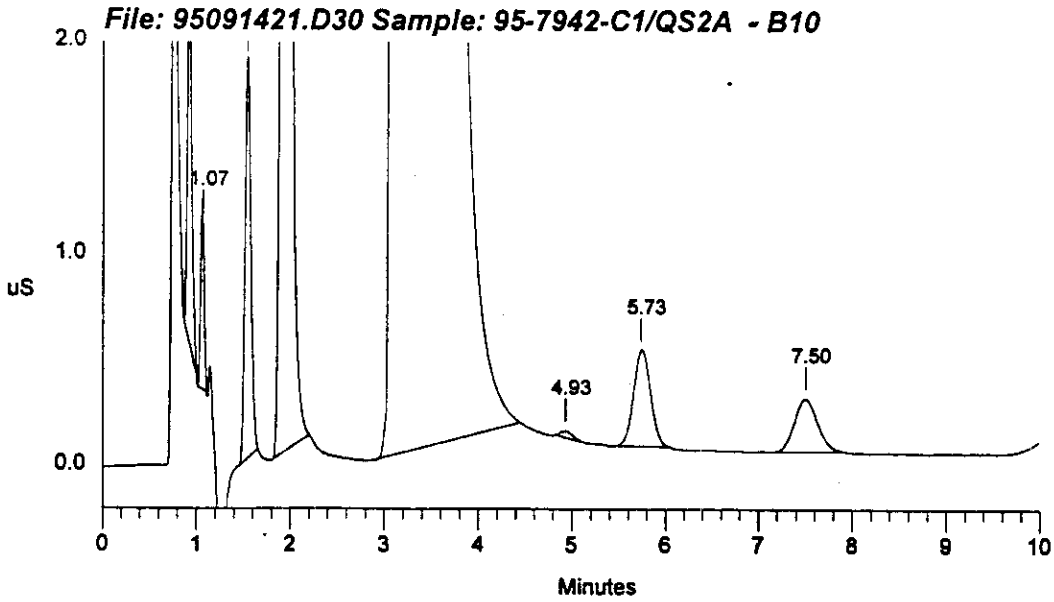
Data Reprocessed On 09/22/1995 03:15:38

Sample Name: 95-7942-C1/QS2A - B10		Date: 09/14/1995 19:57:54	
Data File : C:\DX\DATA\9509142\95091421.D30			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 30 Vial:B10			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	4.655	1774822	5770485	1	-0.70
2	1.07		0.000	786345	2315536	1	
3	1.53	CHLORIDE	8.208	1876697	8175240	1	0.00
4	1.93	NITRITE	125.205	21147561	106985417	1	0.46
5	3.10	BROMIDE	-130601.287	469955544	6011663896	1	7.68
6	4.93		0.000	29633	267316	1	
7	5.73	PHOSPHATE	21.897	453727	5783378	1	2.38
8	7.50	SULFATE	9.283	249758	4332944	1	0.0r
		Totals	-130432.039	496274086	6145294211		



Data Reprocessed On ~~09/22/1995 02~~:54:47

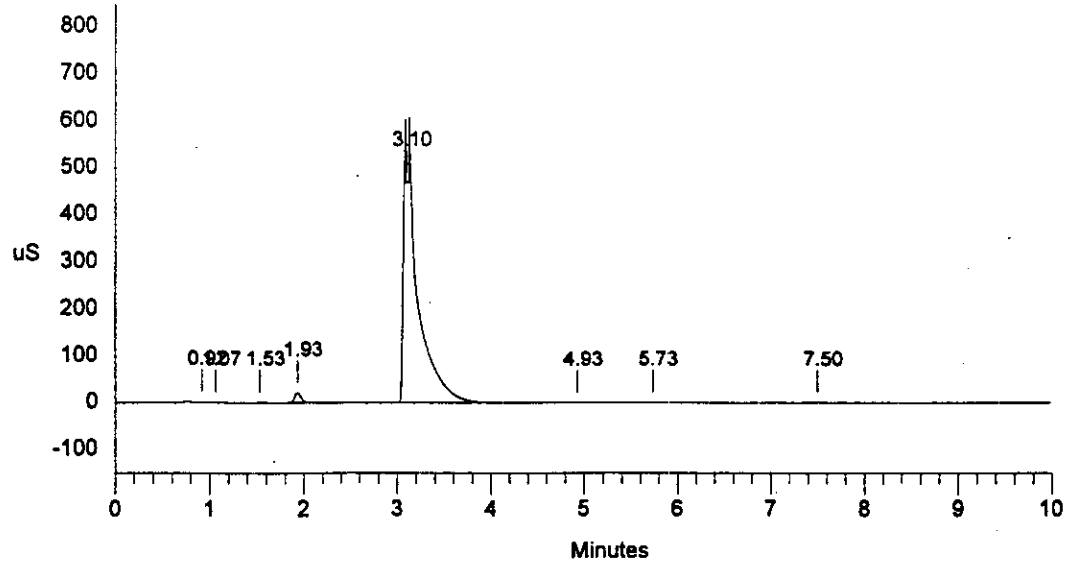
Sample Name: 95-7942-C1/QS2A - B10		Date: 09/14/1995 19:57:54	
Data File : C:\DX\DATA\9509142\95091421.d30			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 30 Vial:B10			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	4.655	1774822	5770485	1	-0.70
2	1.07		0.000	786345	2315536	1	
3	1.53	CHLORIDE	8.208	1876697	8175240	1	0.00
4	1.93	NITRITE	125.205	21147561	106985417	1	0.46
5	3.10	BROMIDE	-130601.287	469955544	6011663896	1	7.68
6	4.93		0.000	29633	267316	1	
7	5.73	PHOSPHATE	21.897	453727	5783378	1	2.38
8	7.50	SULFATE	9.283	249758	4332944	1	0.00
		Totals	-130432.039	496274086	6145294211		

File: 95091421.d30 Sample: 95-7942-C1/QS2A - B10



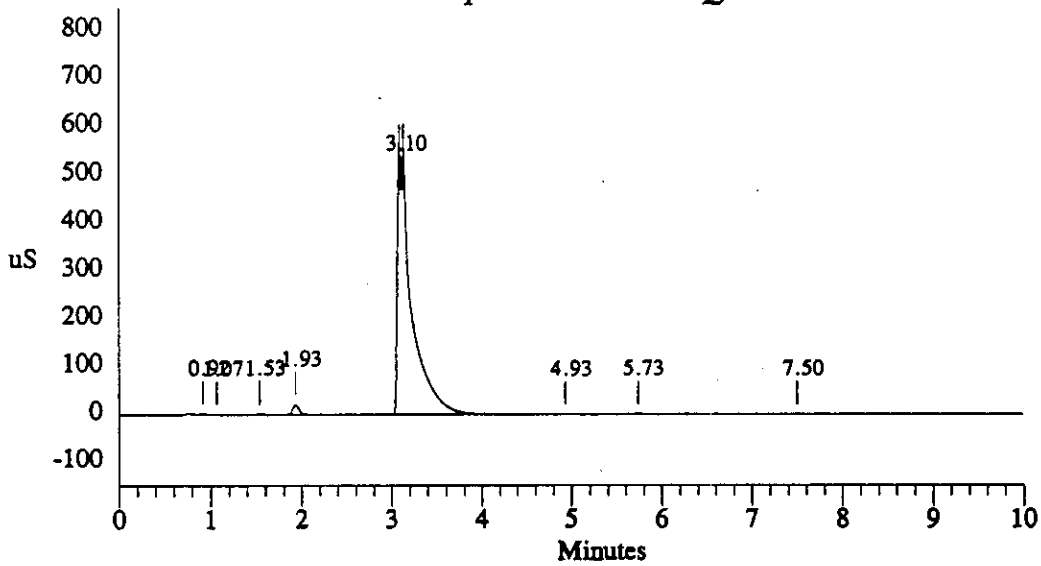
Sample Name: 95-7942-C1/QS2A - B10 Date: 09/14/1995 19:57:54
Data File : C:\DX\DATA\9509142\95091421.D30
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 30 Vial:B10 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	4.655	1774822	5770485	1	-0.70
2	1.07		0.000	786345	2315536	1	
3	1.53	CHLORIDE	13.187	2138971	14846695	1	0.00
4	1.93	NITRITE	127.751	21182928	109264984	1	0.46
5	3.10	BROMIDE	-130799.871	469966129	6016019806	1	7.68
6	4.93		0.000	32485	234325	1	
7	5.73	PHOSPHATE	22.350	457815	5937838	1	2.38
8	7.50	SULFATE	9.485	253782	4512538	1	0.00
		Totals	-130622.442	496593275	6158902207		

File: 95091421.D30 Sample: 95-7942-C1/QS2A - B10



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

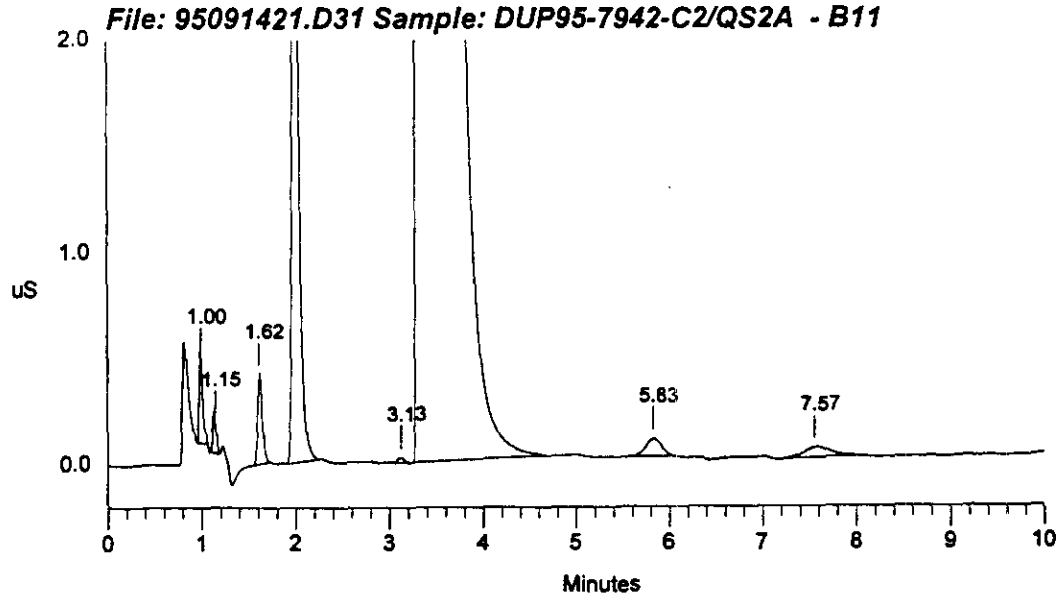
Data Reprocessed On 09/22/1995 03:15:58

Sample Name: DUP95-7942-C2/QS2A - B11	Date: 09/14/1995 20:10:20
Data File : C:\DX\DATA\9509142\95091421.D31	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 31 Vial:B11	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	12.607	397554	1128279	1	2.74
2	1.15		0.000	146419	482683	1	
3	1.62	CHLORIDE	15.939	424780	1516363	1	0.00
4	2.00	NITRITE	123.750	3906332	17813455	1	-1.43
5	3.13	BROMIDE	2.448	22158	126569	1	3.23
6	3.37	NITRATE	4615.243	82827563	1017506874	1	0.00
7	5.83	PHOSPHATE	38.758	82318	987915	1	7.26
8	7.57	SULFATE	27.454	47156	973311	1	0.00
		Totals	4836.197	87854281	1040535449		



3-1546

Data Reprocessed On 09/22/1995 02:54:48

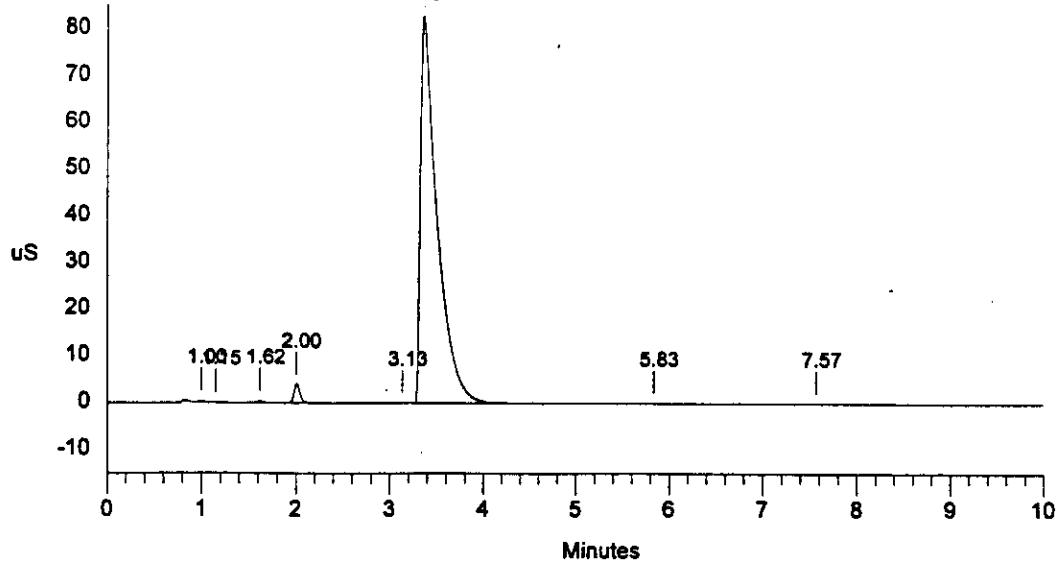
Sample Name: DUP95-7942-C2/QS2A - B11	Date: 09/14/1995 20:10:20
Data File : C:\DX\DATA\9509142\95091421.d31	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 31 Vial:B11	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	12.607	397554	1128279	1	2.74
2	1.15		0.000	146419	482683	1	
3	1.62	CHLORIDE	15.939	424780	1516363	1	0.00
4	2.00	NITRITE	123.750	3906332	17813455	1	-1.43
5	3.13	BROMIDE	2.448	22158	126569	1	3.23
6	3.37	NITRATE	4615.243	82827563	1017506874	1	0.00
7	5.83	PHOSPHATE	38.758	82318	987915	1	7.26
8	7.57	SULFATE	27.454	47156	973311	1	0.00
		Totals	4836.197	87854281	1040535449		

File: 95091421.d31 Sample: DUP95-7942-C2/QS2A - B11



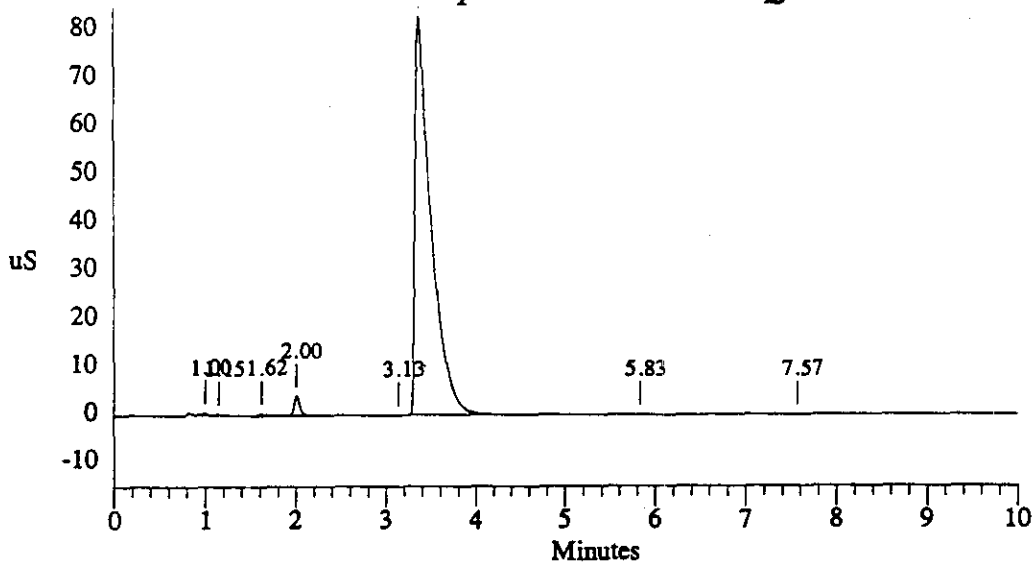
Sample Name: DUP95-7942-C2/QS2A - B11 Date: 09/14/1995 20:10:20
Data File : C:\DX\DATA\9509142\95091421.D31
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 31 Vial:B11 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	12.607	397554	1128279	1	2.74
2	1.15		0.000	176052	1191924	1	
3	1.62	CHLORIDE	20.760	472728	2790430	1	0.00
4	2.00	NITRITE	125.476	3911363	18117304	1	-1.43
5	3.13	BROMIDE	2.448	22158	126569	1	3.23
6	3.37	NITRATE	4614.115	82812611	1016871783	1	0.00
7	5.83	PHOSPHATE	46.205	92553	1491127	1	7.26
8	7.57	SULFATE	29.283	52897	1297152	1	0.00
		Totals	4850.893	87937917	1043014568		

File: 95091421.D31 Sample: DUP95-7942-C2/QS2A - B11



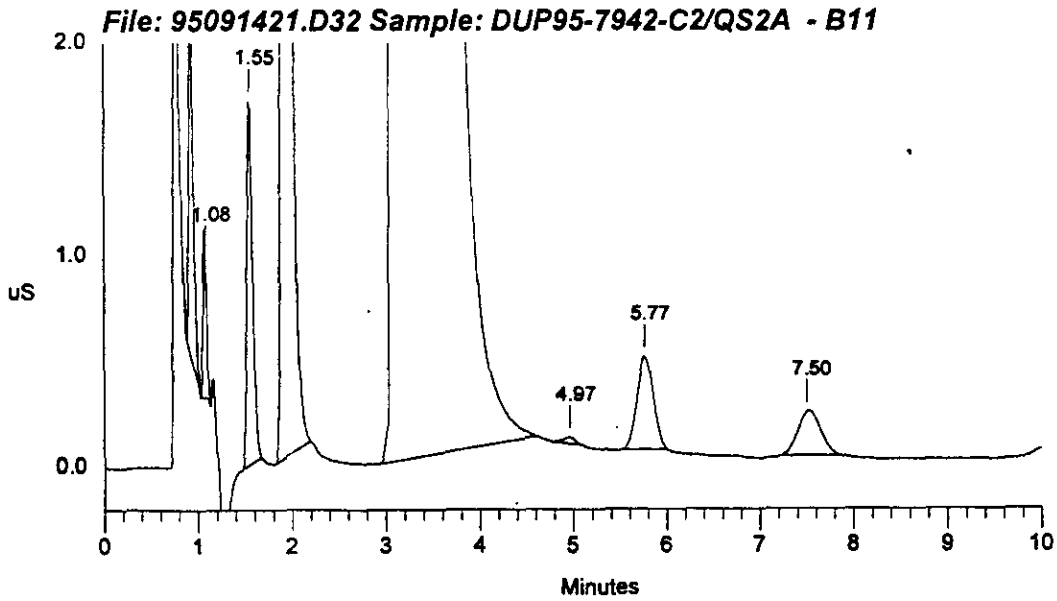
Data Reprocessed On 09/22/1995 03:16:18

Sample Name: DUP95-7942-C2/QS2A - B11	Date: 09/14/1995 20:22:56
Data File : C:\DX\DATA\9509142\95091421.D32	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 32 Vial:B11	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	4.523	1324716	5482339	1	-1.77
2	1.08		0.000	662383	2014698	1	
3	1.55	CHLORIDE	7.606	1715589	7372876	1	0.00
4	1.93	NITRITE	110.298	18296906	93660274	1	-0.62
5	3.10	BROMIDE	-116690.482	606477492	5697844230	1	6.52
6	4.97		0.000	27388	267458	1	
7	5.77	PHOSPHATE	20.684	440464	5370926	1	2.98
8	7.50	SULFATE	8.388	204343	3539348	1	0.0
		Totals	-116538.984	629149280	5815552149		



Data Reprocessed On 09/22/1995 02:54:49

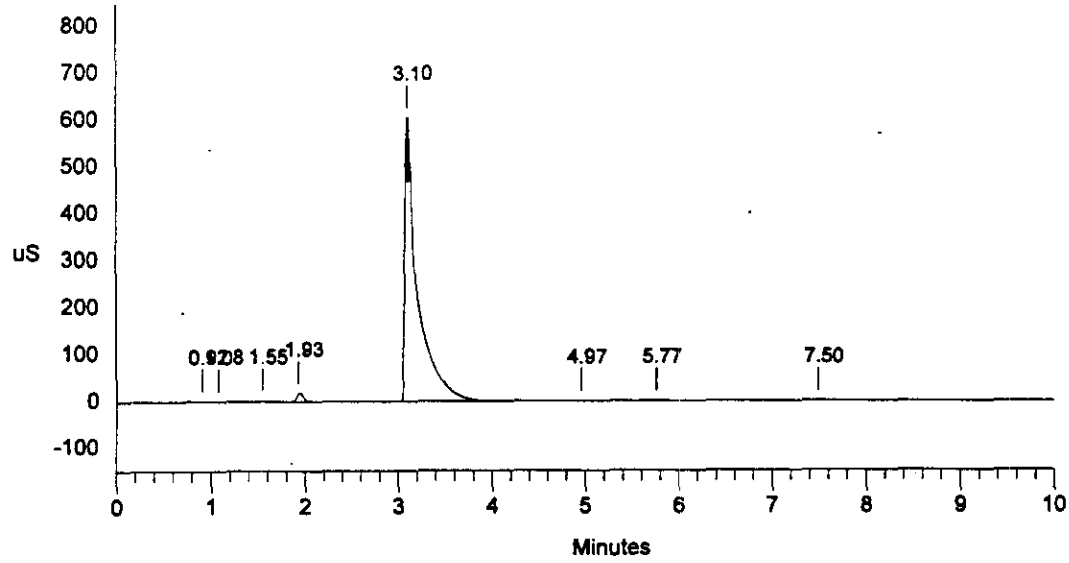
Sample Name: DUP95-7942-C2/QS2A - B11		Date: 09/14/1995 20:22:56	
Data File : C:\DX\DATA\9509142\95091421.d32			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 32 Vial:B11			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	4.523	1324716	5482339	1	-1.77
2	1.08		0.000	662383	2014698	1	
3	1.55	CHLORIDE	7.606	1715589	7372876	1	0.00
4	1.93	NITRITE	110.298	18296906	93660274	1	-0.62
5	3.10	BROMIDE	-116690.482	606477492	5697844230	1	6.52
6	4.97		0.000	27388	267458	1	
7	5.77	PHOSPHATE	20.684	440464	5370926	1	2.98
8	7.50	SULFATE	8.388	204343	3539348	1	0.00
		Totals	-116538.984	629149280	5815552149		

File: 95091421.d32 Sample: DUP95-7942-C2/QS2A - B11



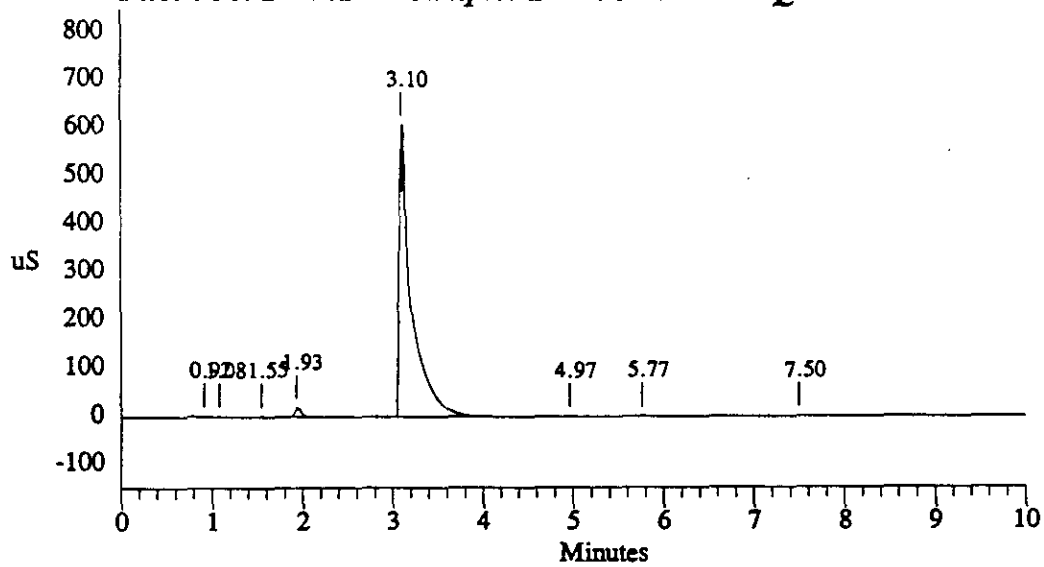
Sample Name: DUP95-7942-C2/QS2A - B11 Date: 09/14/1995 20:22:56
Data File : C:\DX\DATA\9509142\95091421.D32
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 32 Vial:B11 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	4.523	1324716	5482339	1	-1.77
2	1.08		0.000	662383	2014698	1	
3	1.55	CHLORIDE	11.788	1933603	12966076	1	0.00
4	1.93	NITRITE	112.644	18329817	95754889	1	-0.62
5	3.10	BROMIDE	-116771.497	606480907	5699724365	1	6.52
6	4.97		0.000	29254	227466	1	
7	5.77	PHOSPHATE	21.989	452514	5814753	1	2.98
8	7.50	SULFATE	9.050	215617	4126884	1	0.00
		Totals	-116611.503	629428810	5826111470		

File: 95091421.D32 Sample: DUP95-7942-C2/QS2A - B11



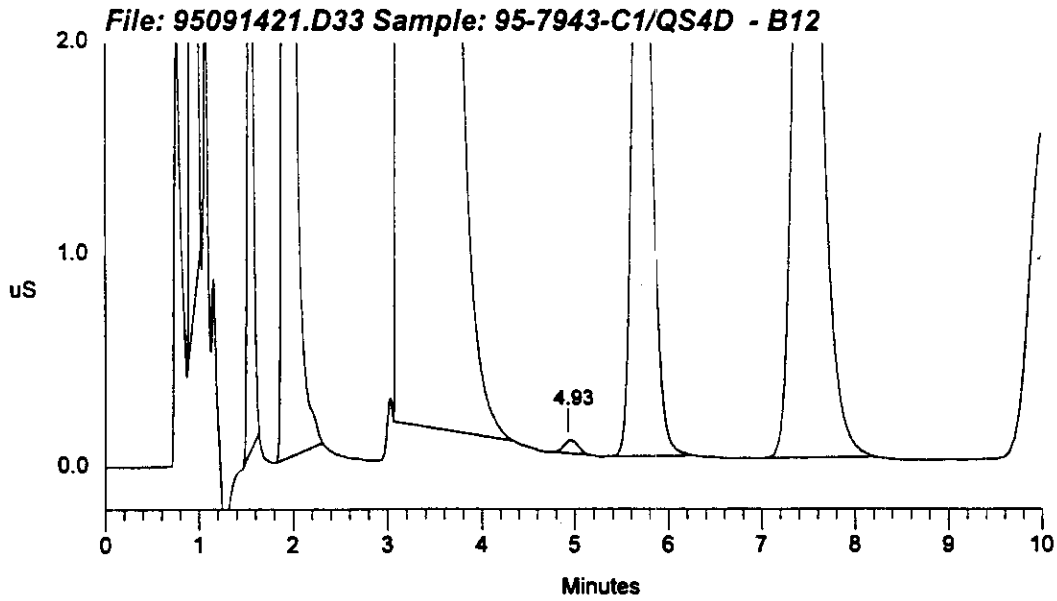
Data Reprocessed On 09/22/1995 03:16:39

Sample Name: 95-7943-C1/QS4D - B12	Date: 09/14/1995 20:35:33
Data File : C:\DX\DATA\9509142\95091421.D33	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 33 Vial:B12	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	41.954	31967671	87775123	1	0.36
2	1.55	CHLORIDE	12.663	3787167	14141794	1	0.00
3	1.95	NITRITE	221.161	41868474	193558333	1	0.24
4	3.13	BROMIDE	-23272.549	180628250	2704452151	1	7.67
5	4.93		0.000	57109	647473	1	
6	5.70	PHOSPHATE	150.398	4058626	51171972	1	6.89
7	7.47	SULFATE	104.409	5063306	90909211	1	0.00
		Totals	-22741.963	267430602	3142656057		



Data Reprocessed On 09/22/1995 02:54:50

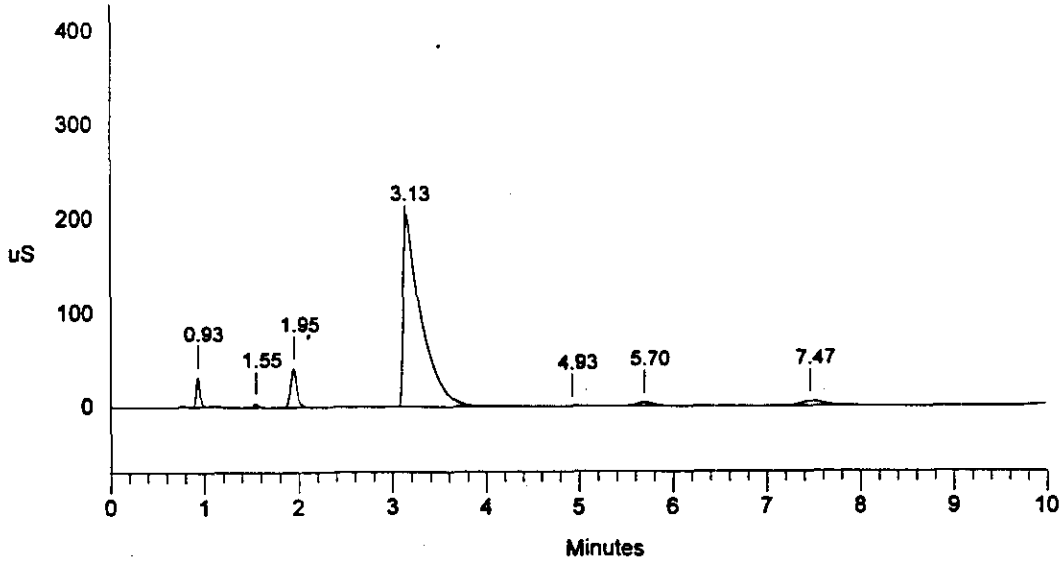
Sample Name: 95-7943-C1/QS4D - B12		Date: 09/14/1995 20:35:33	
Data File : C:\DX\DATA\9509142\95091421.d33			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 33 Vial:B12			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	41.954	31967671	87775123	1	0.36
2	1.55	CHLORIDE	12.663	3787167	14141794	1	0.00
3	1.95	NITRITE	221.161	41868474	193558333	1	0.24
4	3.13	BROMIDE	-23272.549	180628250	2704452151	1	7.67
5	4.93		0.000	57109	647473	1	
6	5.70	PHOSPHATE	150.398	4058626	51171972	1	6.89
7	7.47	SULFATE	104.409	5063306	90909211	1	0.00
		Totals	-22741.963	267430602	3142656057		

File: 95091421.d33 Sample: 95-7943-C1/QS4D - B12



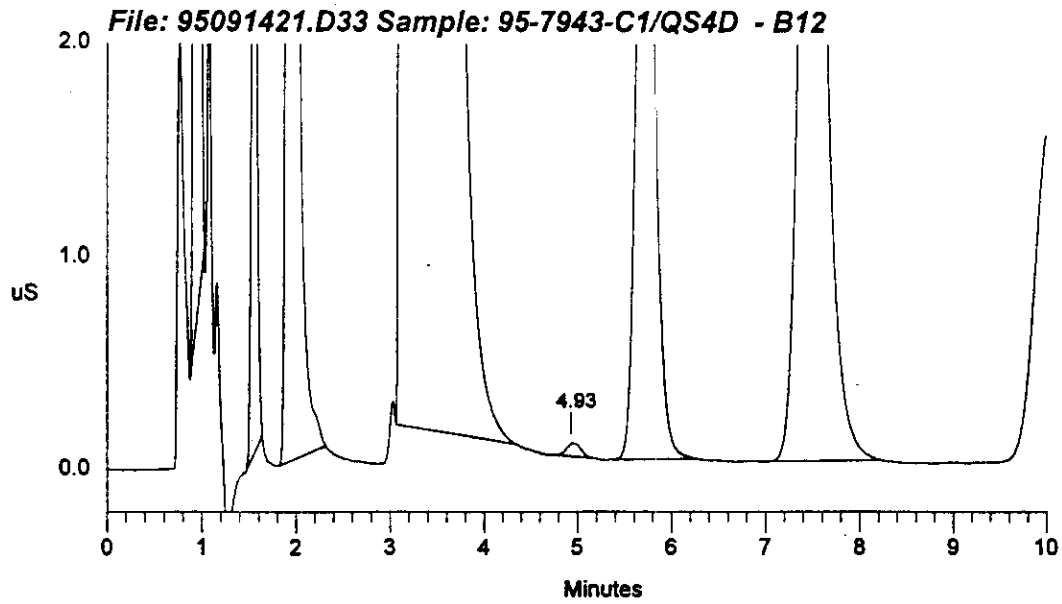
Data Reprocessed On 09/22/1995 00:25:47

Sample Name: 95-7943-C1/QS4D - B12	Date: 09/14/1995 20:35:33
Data File : C:\DX\DATA\9509142\95091421.D33	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 33 Vial:B12	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	41.954	31967671	87775123	1	0.36
2	1.55	CHLORIDE	12.663	3787167	14141794	1	0.00
3	1.95	NITRITE	221.161	41868474	193558333	1	0.24
4	3.13	BROMIDE	-23272.549	180628250	2704452151	1	7.67
5	4.93		0.000	57109	647473	1	
6	5.70	PHOSPHATE	150.398	4058626	51171972	1	6.89
7	7.47	SULFATE	104.409	5063306	90909211	1	0.00
		Totals	-22741.963	267430602	3142656057		



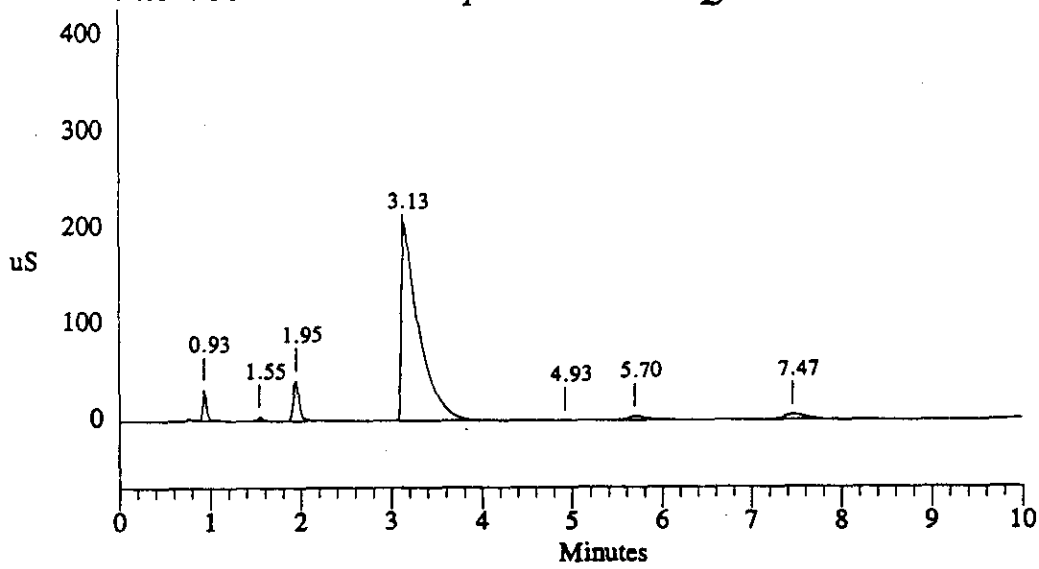
Sample Name: 95-7943-C1/QS4D - B12 Date: 09/14/1995 20:35:33
Data File : C:\DX\DATA\9509142\95091421.D33
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 33 Vial:B12 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	46.208	32198990	97234755	1	0.02
2	1.55	CHLORIDE	16.510	4019117	19337908	1	0.00
3	1.95	NITRITE	223.639	41892783	195812535	1	0.24
4	3.13	BROMIDE	-23488.954	180805754	2715619787	1	7.67
5	4.93	PHOSPHATE	6.606	56741	601297	1	-2.53
6	5.70		0.000	4062870	51639592	1	
7	7.47	SULFATE	105.173	5070324	91623069	1	0.00
		Totals	-23090.818	268106580	3171868945		

File: 95091421.D33 Sample: 95-7943-C1/QS4D - B12



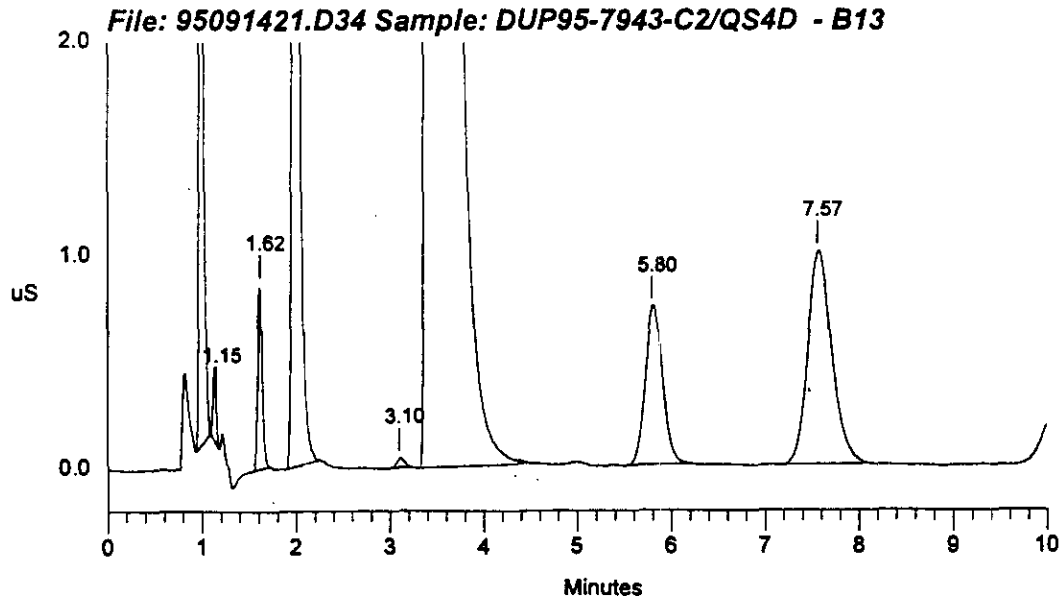
Data Reprocessed On 09/22/1995 03:17:16

Sample Name: DUP95-7943-C2/QS4D - B13	Date: 09/14/1995 20:47:59	
Data File : C:\DX\DATA\9509142\95091421.D34		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 34 Vial:B13		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	0.98	FLUORIDE	48.528	6158984	16776604	1	1.03
2	1.15		0.000	207487	813636	1	
3	1.62	CHLORIDE	21.064	853737	2870671	1	0.00
4	2.00	NITRITE	221.492	8169808	35052471	1	-1.43
5	3.10	BROMIDE	3.729	36909	247326	1	2.13
6	3.43	NITRATE	2969.412	44070986	498533155	1	0.00
7	5.80	PHOSPHATE	165.752	733333	9625275	1	4.58
8	7.57	SULFATE	122.634	991206	17907232	1	0.00
		Totals	3552.610	61222451	581826370		



Data Reprocessed On 09/22/1995 02:54:50

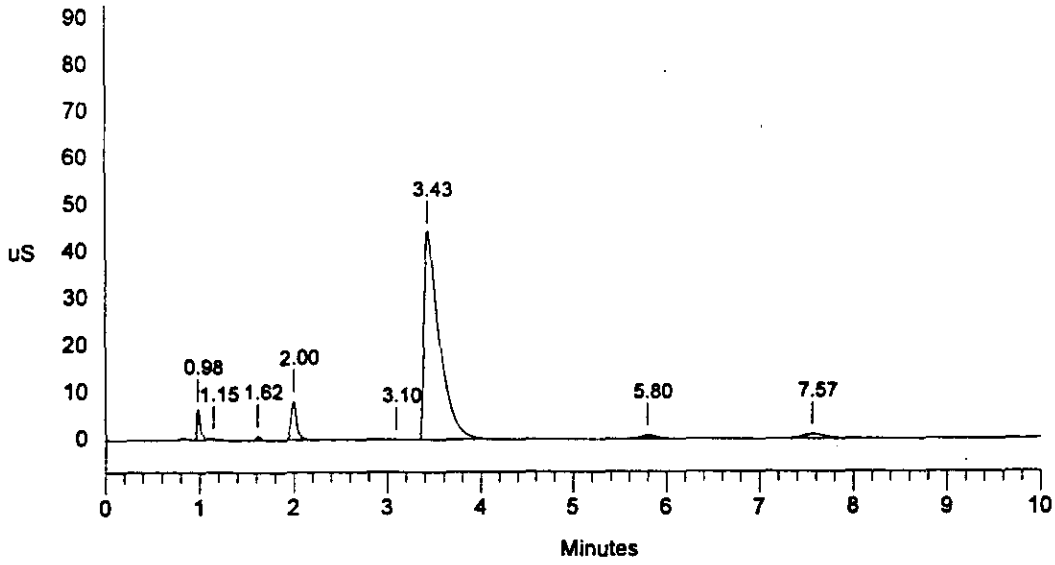
Sample Name: DUP95-7943-C2/QS4D - B13		Date: 09/14/1995 20:47:59	
Data File : C:\DX\DATA\9509142\95091421.d34			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 34 Vial:B13			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	0.98	FLUORIDE	48.528	6158984	16776604	1	1.03
2	1.15		0.000	207487	813636	1	
3	1.62	CHLORIDE	21.064	853737	2870671	1	0.00
4	2.00	NITRITE	221.492	8169808	35052471	1	-1.43
5	3.10	BROMIDE	3.729	36909	247326	1	2.13
6	3.43	NITRATE	2969.412	44070986	498533155	1	0.00
7	5.80	PHOSPHATE	165.752	733333	9625275	1	4.58
8	7.57	SULFATE	122.634	991206	17907232	1	0.0
		Totals	3552.610	61222451	581826370		

File: 95091421.d34 Sample: DUP95-7943-C2/QS4D - B13



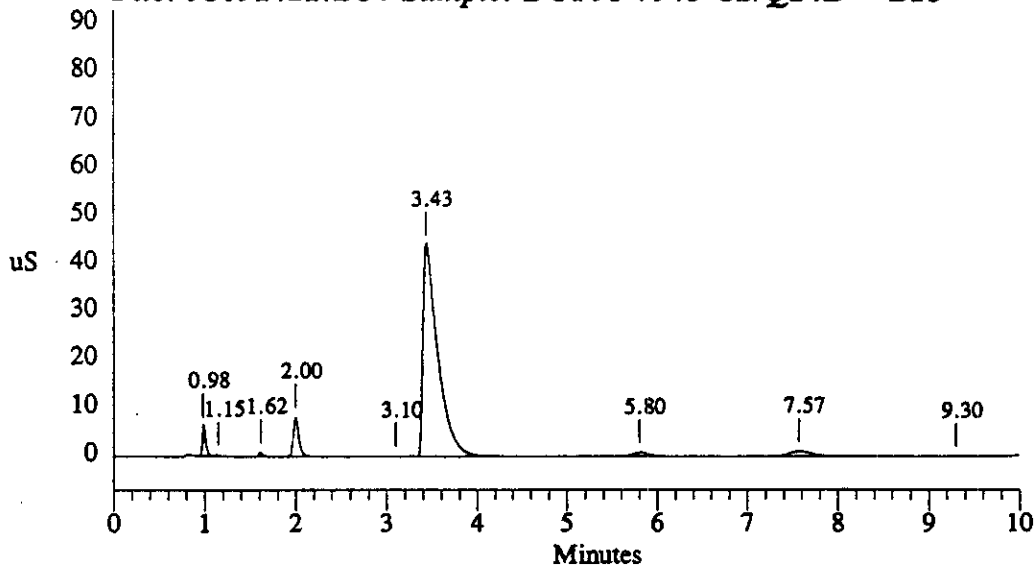
Sample Name: DUP95-7943-C2/QS4D - B13 Date: 09/14/1995 20:47:59
Data File : C:\DX\DATA\9509142\95091421.D34
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 34 Vial:B13 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	48.272	6100385	16665049	2	1.03
2	1.15		0.000	294310	2017137	2	
3	1.62	CHLORIDE	25.238	897283	3975696	1	0.00
4	2.00	NITRITE	225.773	8183214	35808877	1	-1.43
5	3.10	BROMIDE	4.404	41117	310979	1	2.13
6	3.43	NITRATE	2971.500	44072023	498990271	1	0.00
7	5.80	PHOSPHATE	167.542	735935	9747837	1	4.58
8	7.57	SULFATE	125.011	997382	18332348	1	0.00
9	9.30		0.000	7128	216227	1	
		Totals	3567.740	61328779	586064421		

File: 95091421.D34 Sample: DUP95-7943-C2/QS4D - B13



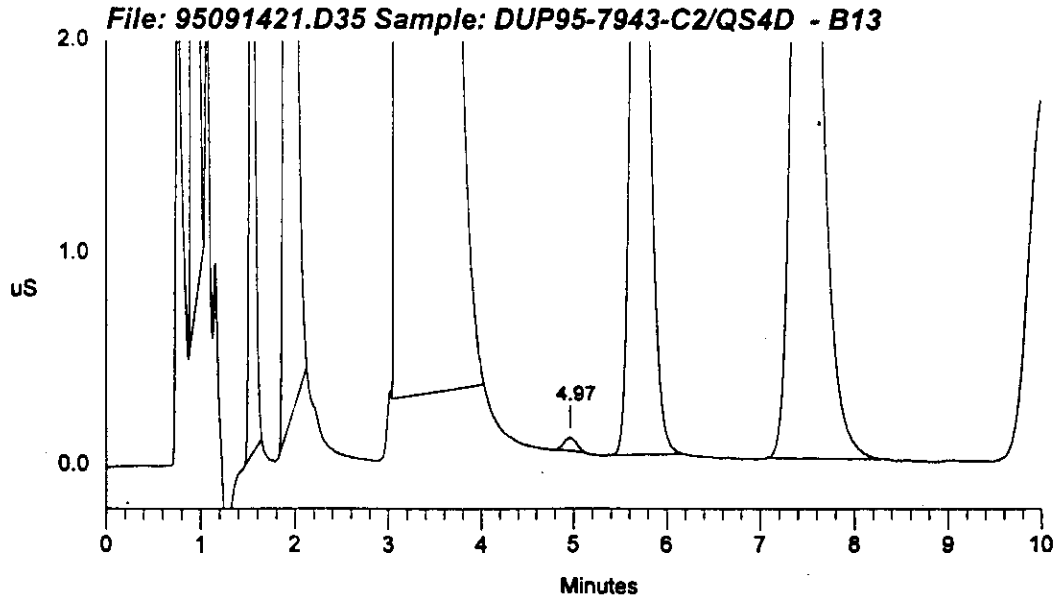
Data Reprocessed On 09/22/1995 03:17:36

Sample Name: DUP95-7943-C2/QS4D - B13	Date: 09/14/1995 21:00:36
Data File : C:\DX\DATA\9509142\95091421.D35	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 35 Vial:B13	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	45.366	34348290	95359464	1	1.11
2	1.53	CHLORIDE	13.652	3477481	15473483	1	0.00
3	1.93	NITRITE	231.607	41340874	203067334	1	0.46
4	3.10	BROMIDE	-32953.358	197705287	3162186867	1	7.68
5	4.97		0.000	63610	585012	1	
6	5.70	PHOSPHATE	161.498	4437853	55261252	1	1.79
7	7.47	SULFATE	114.082	5577305	99975022	1	0.00
		Totals	-32387.154	286950700	3631908433		



Data Reprocessed On 09/22/1995 02:54:51

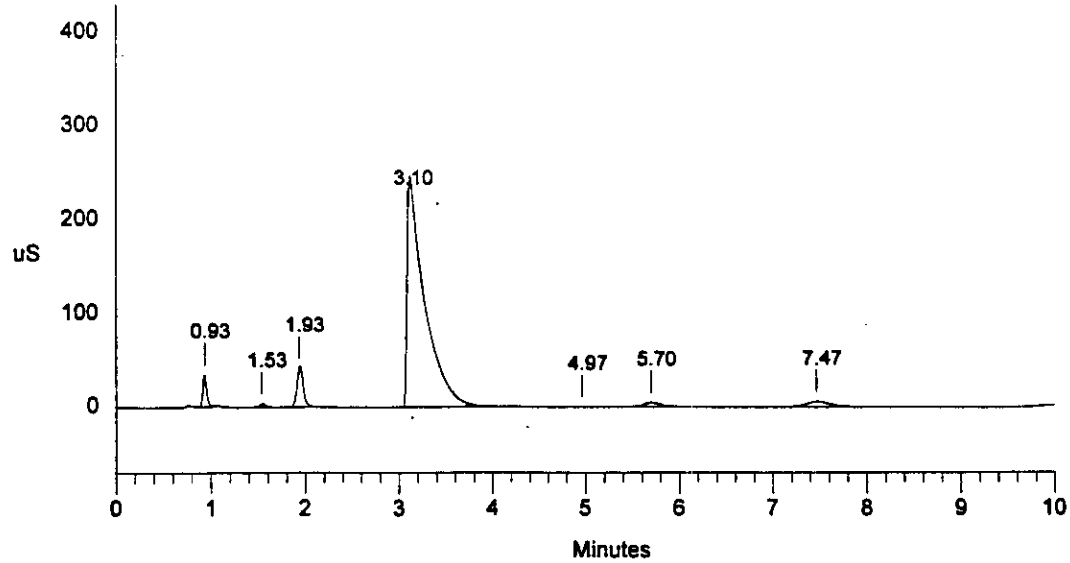
Sample Name: DUP95-7943-C2/QS4D - B13	Date: 09/14/1995 21:00:36	
Data File : C:\DX\DATA\9509142\95091421.d35		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 35 Vial:B13		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A	

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	45.366	34348290	95359464	1	1.11
2	1.53	CHLORIDE	13.652	3477481	15473483	1	0.00
3	1.93	NITRITE	231.607	41340874	203067334	1	0.46
4	3.10	BROMIDE	-32953.358	197705287	3162186867	1	7.68
5	4.97		0.000	63610	585012	1	
6	5.70	PHOSPHATE	161.498	4437853	55261252	1	1.79
7	7.47	SULFATE	114.082	5577305	99975022	1	0.00
		Totals	-32387.154	286950700	3631908433		

File: 95091421.d35 Sample: DUP95-7943-C2/QS4D - B13



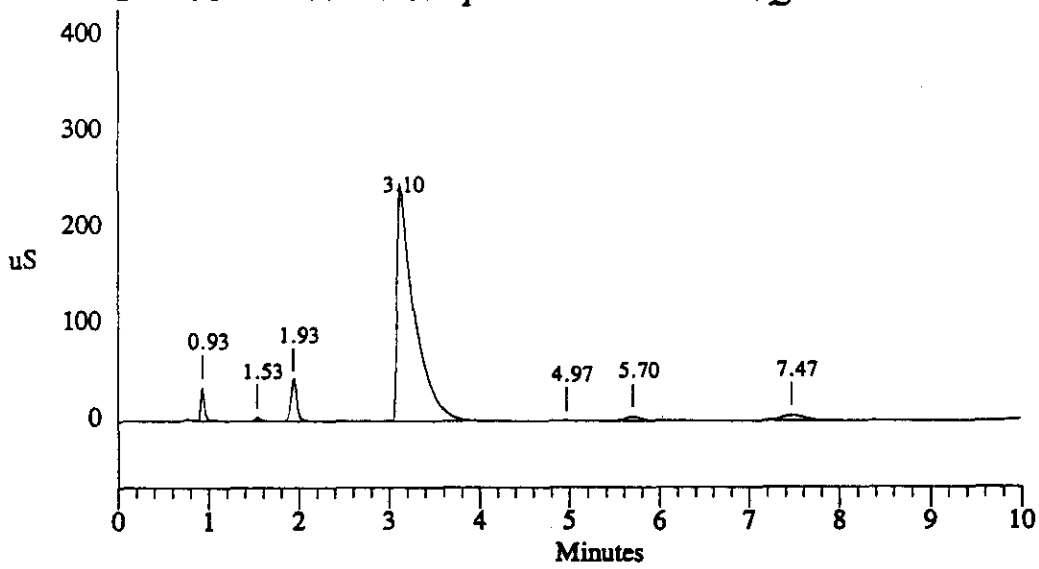
Sample Name: DUP95-7943-C2/QS4D - B13 Date: 09/14/1995 21:00:36
Data File : C:\DX\DATA\9509142\95091421.D35
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 35 Vial:B13 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	49.604	34549878	104802518	1	1.11
2	1.53	CHLORIDE	17.334	3694887	20455772	1	0.00
3	1.93	NITRITE	239.974	41510250	210696726	1	0.46
4	3.10	BROMIDE	-33484.839	197996079	3185238002	1	7.68
5	4.97		0.000	67507	653242	1	
6	5.70	PHOSPHATE	162.931	4443820	55791491	1	1.79
7	7.47	SULFATE	114.799	5584950	100649100	1	0.00
		Totals	-32900.198	287847372	3678286852		

File: 95091421.D35 Sample: DUP95-7943-C2/QS4D - B13



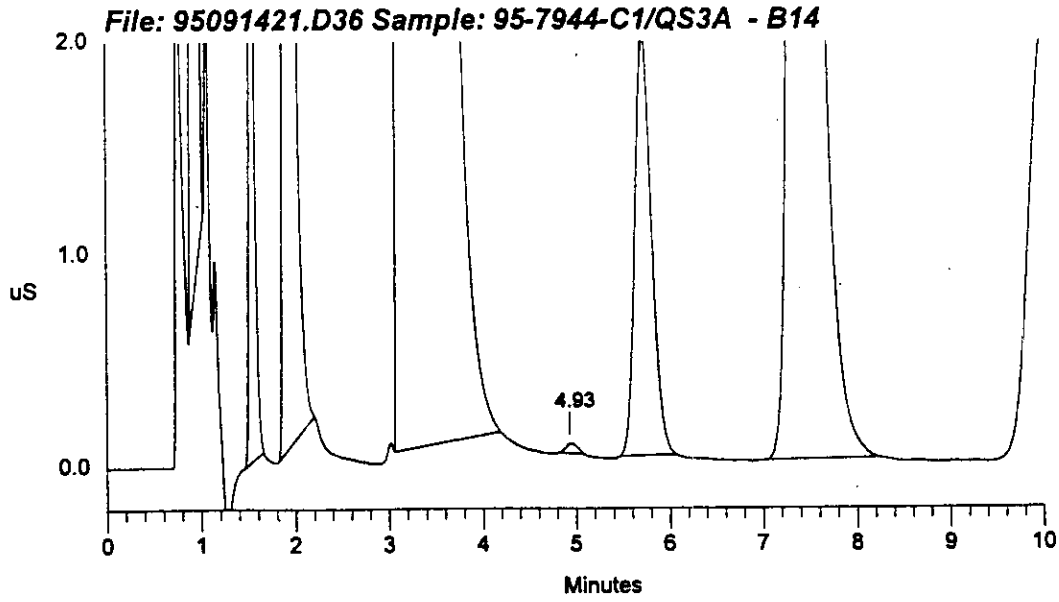
Data Reprocessed On 09/22/1995 03:17:55

Sample Name: 95-7944-C1/QS3A - B14	Date: 09/14/1995 21:13:12
Data File : C:\DX\DATA\9509142\95091421.D36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 Vial:B14	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	56.808	42236246	120905632	1	1.45
2	1.53	CHLORIDE	12.318	3172850	13677623	1	0.00
3	1.93	NITRITE	205.708	38450616	179521810	1	0.46
4	3.13	NITRATE	196.274	179469277	2554399853	1	0.00
5	4.93		0.000	43527	392314	1	
6	5.70	PHOSPHATE	76.520	1863614	24659529	1	6.89
7	7.43	SULFATE	198.192	10166841	181085532	1	0.00
		Totals	745.820	275402970	3074642293		



Data Reprocessed On 09/22/1995 02:54:52

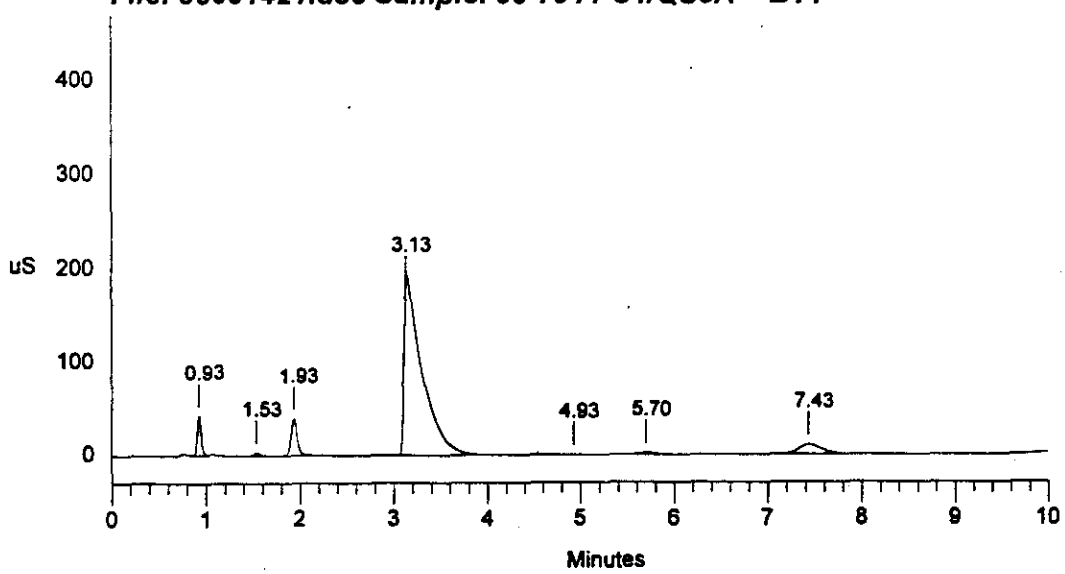
Sample Name: 95-7944-C1/QS3A - B14	Date: 09/14/1995 21:13:12
Data File : C:\DX\DATA\9509142\95091421.d36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 Vial:B14	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	56.808	42236246	120905632	1	1.45
2	1.53	CHLORIDE	12.318	3172850	13677623	1	0.00
3	1.93	NITRITE	205.708	38450616	179521810	1	0.46
4	3.13	NITRATE	196.274	179469277	2554399853	1	0.00
5	4.93		0.000	43527	392314	1	
6	5.70	PHOSPHATE	76.520	1863614	24659529	1	6.89
7	7.43	SULFATE	198.192	10166841	181085532	1	0.00
		Totals	745.820	275402970	3074642293		

File: 95091421.d36 Sample: 95-7944-C1/QS3A - B14



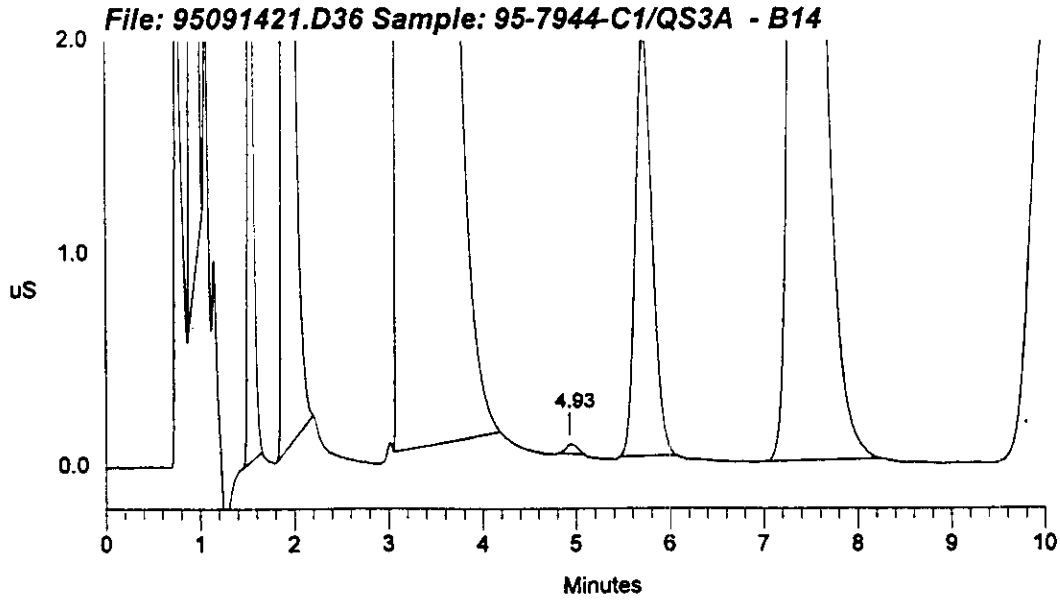
Data Reprocessed On 09/22/1995 00:27:03

Sample Name: 95-7944-C1/QS3A - B14	Date: 09/14/1995 21:13:12
Data File : C:\DX\DATA\9509142\95091421.D36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 Vial:B14	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	56.808	42236246	120905632	1	1.45
2	1.53	CHLORIDE	12.318	3172850	13677623	1	0.00
3	1.93	NITRITE	205.708	38450616	179521810	1	0.46
4	3.13	NITRATE	196.274	179469277	2554399853	1	0.00
5	4.93		0.000	43527	392314	1	
6	5.70	PHOSPHATE	76.520	1863614	24659529	1	6.89
7	7.43	SULFATE	198.192	10166841	181085532	1	0.00
		Totals	745.820	275402970	3074642293		



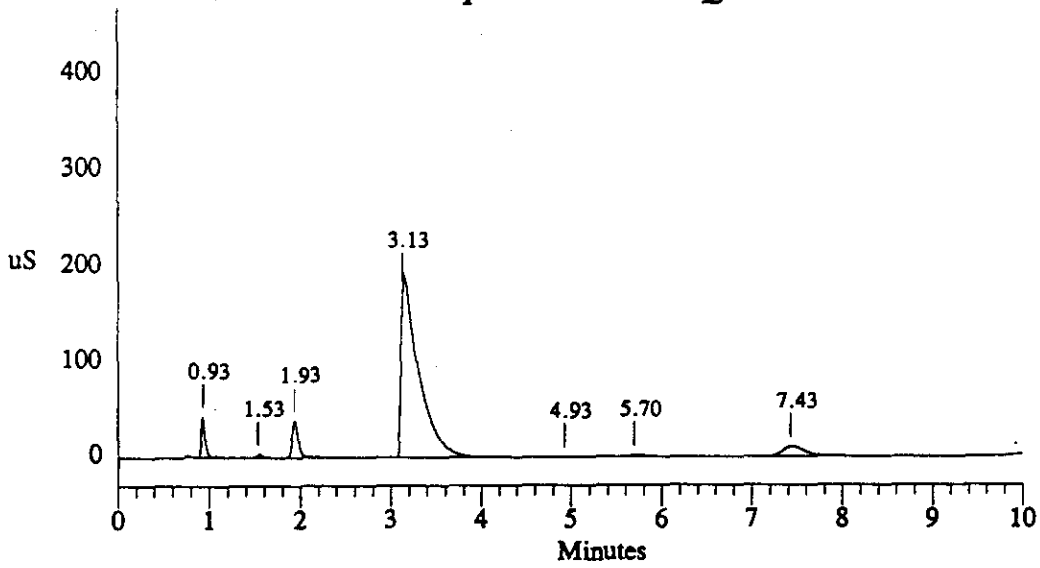
Sample Name: 95-7944-C1/QS3A - B14 Date: 09/14/1995 21:13:12
Data File : C:\DX\DATA\9509142\95091421.D36
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 36 Vial:B14 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	60.772	42476175	129794150	1	1.11
2	1.53	CHLORIDE	15.171	3332724	17524742	1	0.00
3	1.93	NITRITE	210.719	38523289	184069509	1	0.46
4	3.13	NITRATE	186.536	179522804	2561864335	1	0.00
5	4.93	PHOSPHATE	6.226	48693	472857	1	-2.53
6	5.70		0.000	1878019	25412773	1	
7	7.43	SULFATE	199.310	10178225	182192679	1	0.00
		Totals	678.735	275959930	3101331045		

File: 95091421.D36 Sample: 95-7944-C1/QS3A - B14



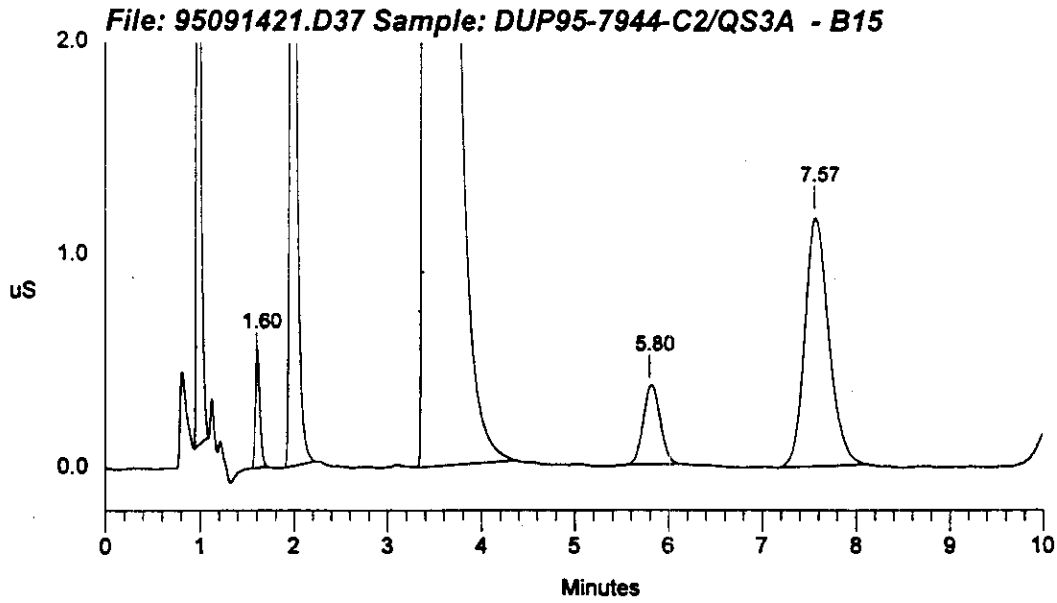
Data Reprocessed On 09/22/1995 03:18:17

Sample Name: DUP95-7944-C2/QS3A - B15		Date: 09/14/1995 21:25:39	
Data File : C:\DX\DATA\9509142\95091421.D37			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 37 Vial:B15			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	0.98	FLUORIDE	44.322	5906387	14941628	1	2.08
2	1.60	CHLORIDE	17.410	486822	1905019	1	0.00
3	1.98	NITRITE	149.215	4669137	22299581	1	-1.24
4	3.43	NITRATE	2777.270	40655937	457471103	1	0.00
5	5.80	PHOSPHATE	94.307	364535	4751299	1	4.58
6	7.57	SULFATE	139.123	1168173	20858196	1	0.00
		Totals	3221.649	53250991	522226825		



Data Reprocessed On 09/22/1995 02:54:53

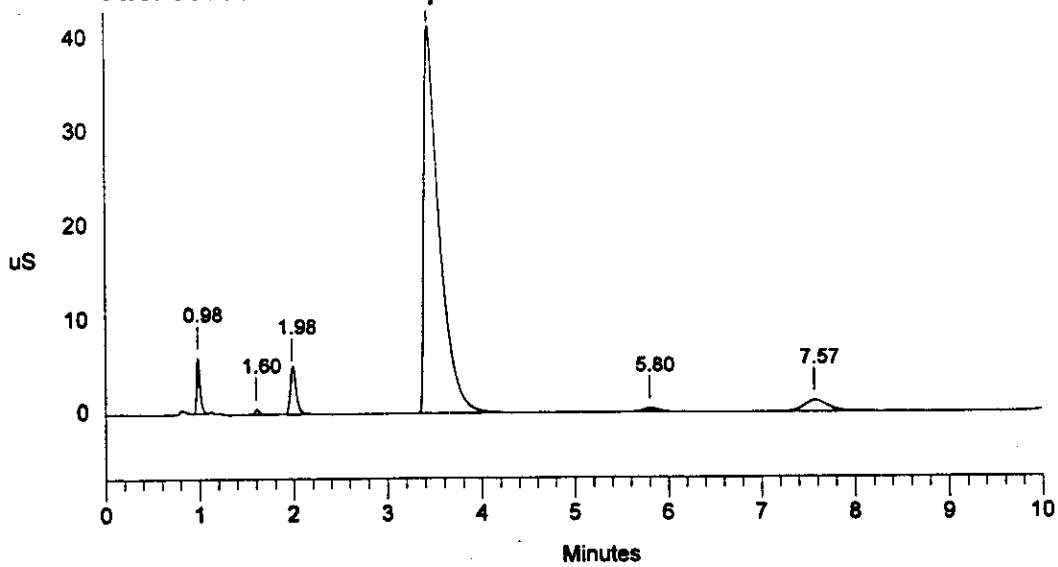
Sample Name: DUP95-7944-C2/QS3A - B15	Date: 09/14/1995 21:25:39
Data File : C:\DX\DATA\9509142\95091421.d37	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 37 Vial:B15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	0.98	FLUORIDE	44.322	5906387	14941628	1	2.08
2	1.60	CHLORIDE	17.410	486822	1905019	1	0.00
3	1.98	NITRITE	149.215	4669137	22299581	1	-1.24
4	3.43	NITRATE	2777.270	40655937	457471103	1	0.00
5	5.80	PHOSPHATE	94.307	364535	4751299	1	4.58
6	7.57	SULFATE	139.123	1168173	20858196	1	0.00
		Totals	3221.649	53250991	522226825		

File: 95091421.d37 Sample: DUP95-7944-C2/QS3A - B15



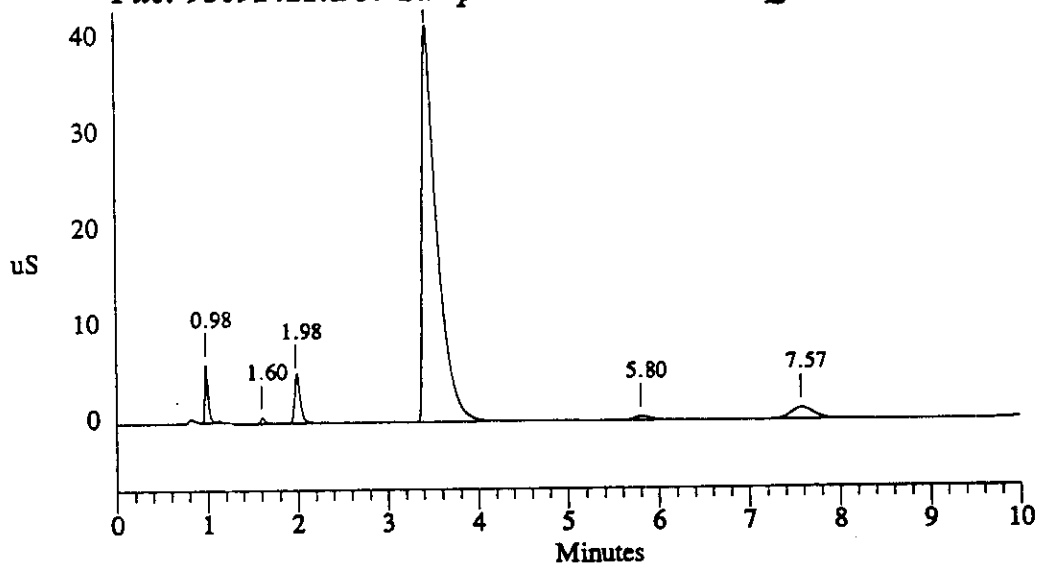
Sample Name: DUP95-7944-C2/QS3A - B15 Date: 09/14/1995 21:25:39
Data File : C:\DX\DATA\9509142\95091421.D37
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 37 Vial:B15 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	46.418	5924468	15855903	1	2.08
2	1.60	CHLORIDE	20.764	521314	2791351	1	0.00
3	1.98	NITRITE	152.511	4676409	22880525	1	-1.24
4	3.43	NITRATE	2781.725	40658463	458401614	1	0.00
5	5.80	PHOSPHATE	105.143	375841	5488030	1	4.58
6	7.57	SULFATE	143.774	1177983	21691386	1	0.00
		Totals	3250.334	53334477	527108809		

File: 95091421.D37 Sample: DUP95-7944-C2/QS3A - B15



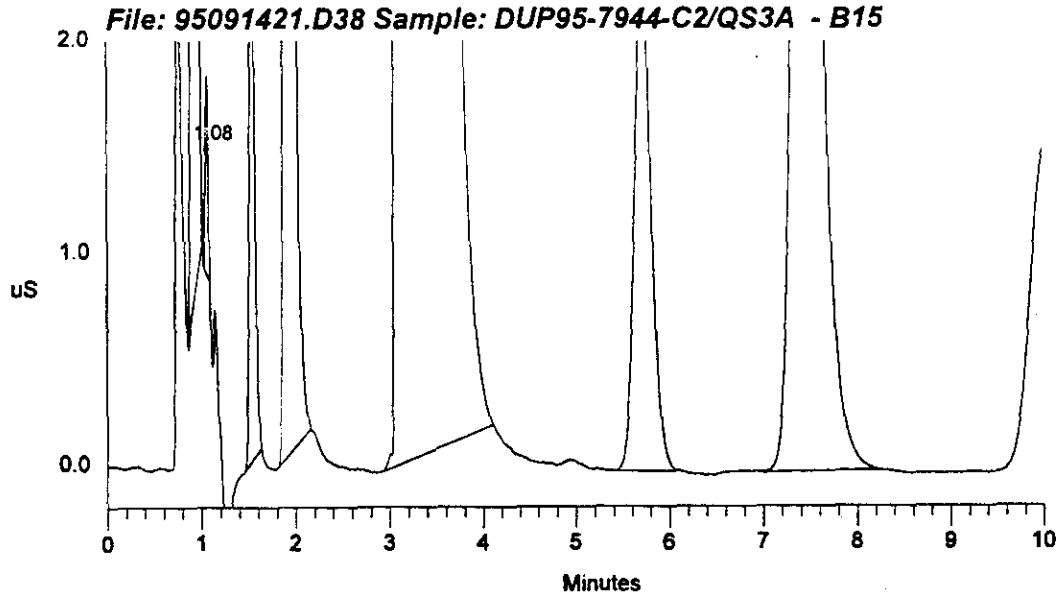
Data Reprocessed On 09/22/1995 03:18:34

Sample Name: DUP95-7944-C2/QS3A - B15	Date: 09/14/1995 21:38:15
Data File : C:\DX\DATA\9509142\95091421.D38	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 38 Vial:B15	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	44.576	26333865	93603306	1	-0.70
2	1.08		0.000	479366	1941158	1	
3	1.53	CHLORIDE	10.161	2610142	10784832	1	0.00
4	1.93	NITRITE	164.505	31216996	142274189	1	0.46
5	3.10	BROMIDE	-33416.208	218114772	3182271588	1	7.68
6	5.70	PHOSPHATE	90.363	2266483	29537837	1	1.79
7	7.43	SULFATE	142.955	6963835	127346789	1	0.00
		Totals	-32963.647	287985460	3587759699		



Data Reprocessed On 09/22/1995 02:54:54

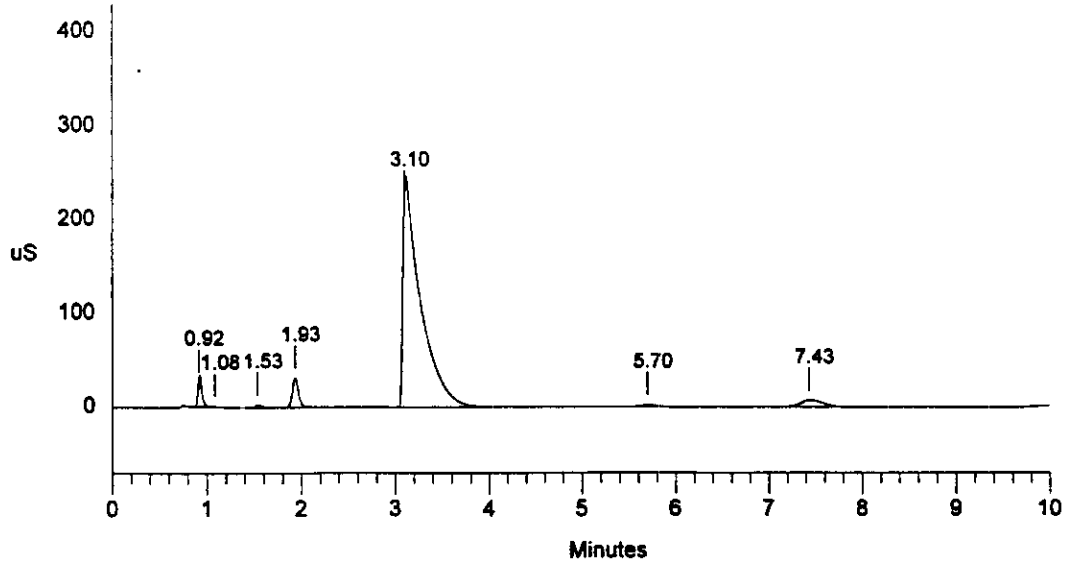
Sample Name: DUP95-7944-C2/QS3A - B15	Date: 09/14/1995 21:38:15
Data File : C:\DX\DATA\9509142\95091421.d38	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 38 Vial:B15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	44.576	26333865	93603306	1	-0.70
2	1.08		0.000	479366	1941158	1	
3	1.53	CHLORIDE	10.161	2610142	10784832	1	0.00
4	1.93	NITRITE	164.505	31216996	142274189	1	0.46
5	3.10	BROMIDE	-33416.208	218114772	3182271588	1	7.68
6	5.70	PHOSPHATE	90.363	2266483	29537837	1	1.79
7	7.43	SULFATE	142.955	6963835	127346789	1	0.00
		Totals	-32963.647	287985460	3587759699		

File: 95091421.d38 Sample: DUP95-7944-C2/QS3A - B15



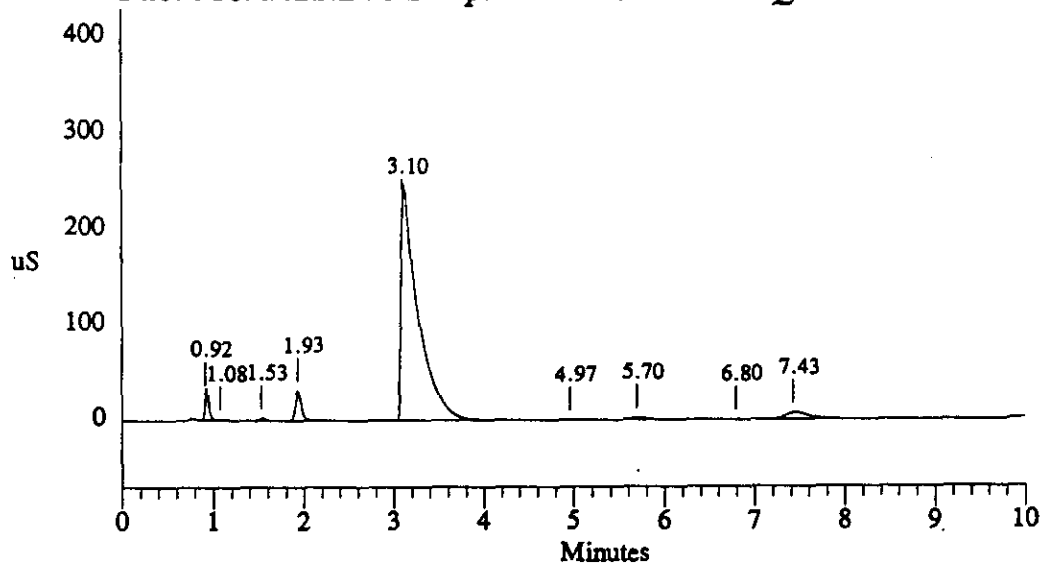
Sample Name: DUP95-7944-C2/QS3A - B15 Date: 09/14/1995 21:38:15
Data File : C:\DX\DATA\9509142\95091421.D38
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 38 Vial:B15 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	45.235	26447590	95069438	2	-0.70
2	1.08		0.000	510568	2237569	2	
3	1.53	CHLORIDE	13.941	2826653	15863044	1	0.00
4	1.93	NITRITE	168.780	31282862	146126682	1	0.46
5	3.10	BROMIDE	-33644.995	218144716	3192148571	1	7.68
6	4.97		0.000	27117	294373	1	
7	5.70	PHOSPHATE	91.079	2270215	29791307	1	1.79
8	6.80		0.000	12186	253519	1	
9	7.43	SULFATE	143.682	6968526	128042069	1	0.00
		Totals	-33182.278	288490432	3609826572		

File: 95091421.D38 Sample: DUP95-7944-C2/QS3A - B15



Data Reprocessed On 09/22/1995 02:54:54

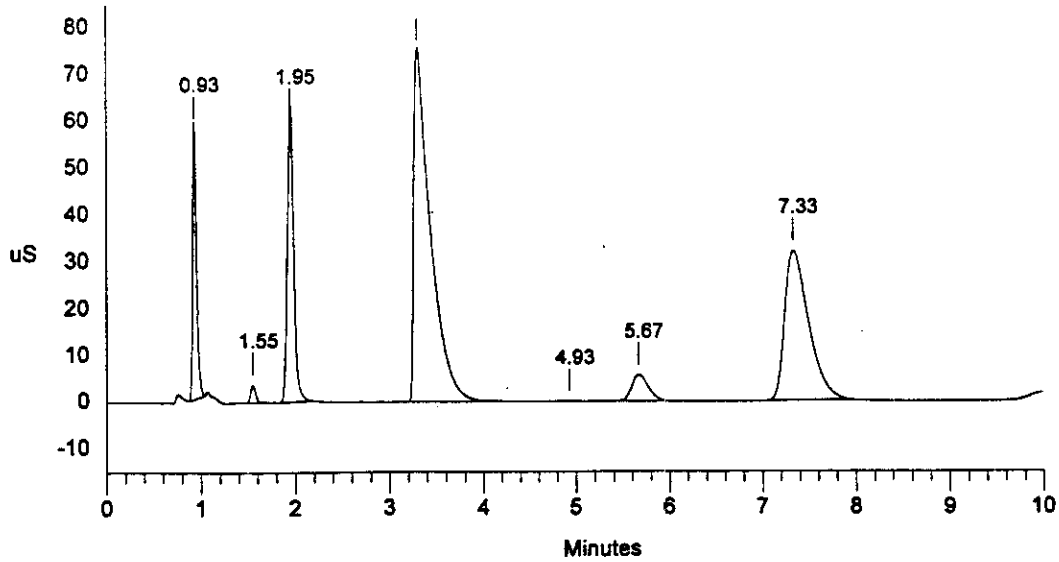
Sample Name: 95-7945-C1/QS4A - B16		Date: 09/14/1995 21:50:52	
Data File : C:\DX\DATA\9509142\95091421.d39			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 39 Vial:B16			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	77.627	57705787	167814120	1	0.02
2	1.55	CHLORIDE	12.759	3848275	14270285	1	0.00
3	1.95	NITRITE	330.454	60037895	293911383	1	0.24
4	3.30	NITRATE	884.194	75090225	921872029	1	0.00
5	4.93		0.000	65151	639549	1	
6	5.67	PHOSPHATE	203.083	5672064	70848942	1	6.30
7	7.33	SULFATE	542.667	32080875	572587082	1	0.00
		Totals	2050.784	234500271	2041943389		

File: 95091421.d39 Sample: 95-7945-C1/QS4A - B16



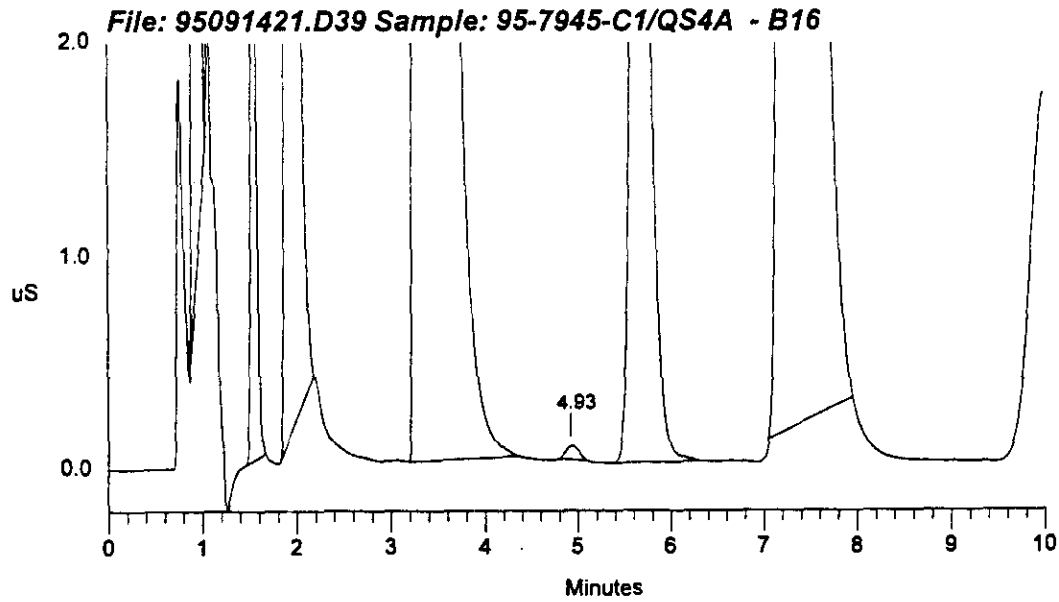
Data Reprocessed On 09/22/1995 03:18:58

Sample Name: 95-7945-C1/QS4A - B16	Date: 09/14/1995 21:50:52	
Data File : C:\DX\DATA\9509142\95091421.D39		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 39 Vial:B16		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	77.627	57705787	167814120	1	0.02
2	1.55	CHLORIDE	12.759	3848275	14270285	1	0.00
3	1.95	NITRITE	330.454	60037895	293911383	1	0.24
4	3.30	NITRATE	884.194	75090225	921872029	1	0.00
5	4.93		0.000	65151	639549	1	
6	5.67	PHOSPHATE	203.083	5672064	70848942	1	6.30
7	7.33	SULFATE	542.667	32080875	572587082	1	0.00
		Totals	2050.784	234500271	2041943389		



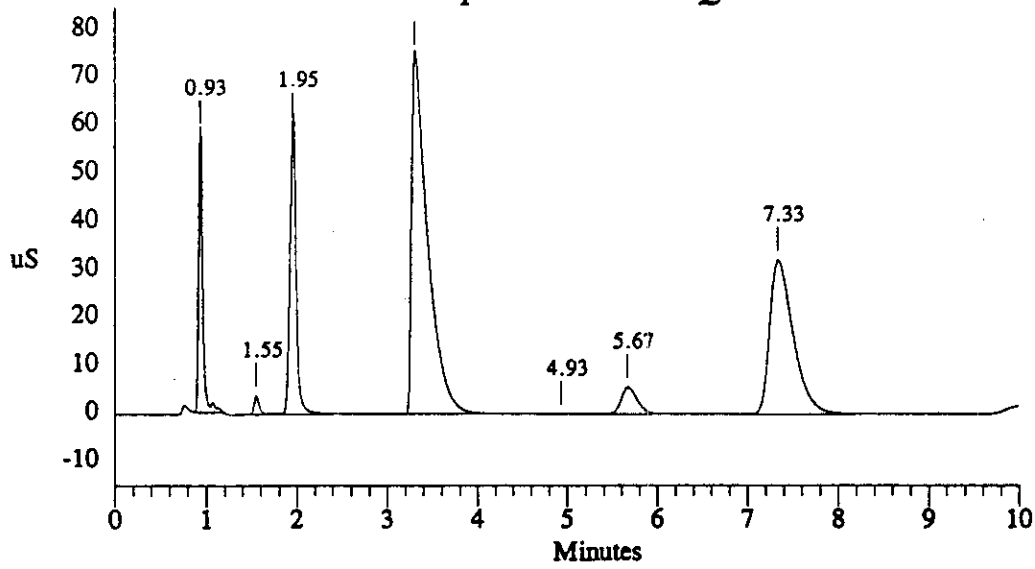
Sample Name: 95-7945-C1/QS4A - B16 Date: 09/14/1995 21:50:52
Data File : C:\DX\DATA\9509142\95091421.D39
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 39 Vial:B16 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	84.208	58103531	182758109	1	0.02
2	1.55	CHLORIDE	14.765	3957458	16975004	1	0.00
3	1.95	NITRITE	339.568	60184214	302366836	1	0.24
4	3.30	NITRATE	884.589	75092351	922735138	1	0.00
5	4.93		0.000	69535	739954	1	
6	5.67	PHOSPHATE	203.264	5672590	70917755	1	6.30
7	7.33	SULFATE	553.400	32250587	586995289	1	0.00
		Totals	2079.794	235330266	2083488085		

File: 95091421.D39 Sample: 95-7945-C1/QS4A - B16



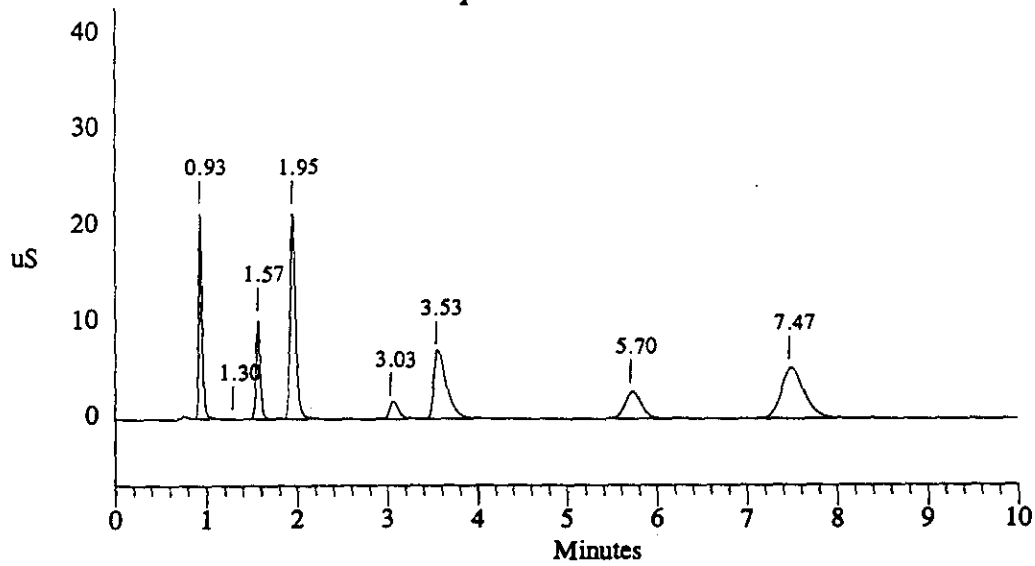
Sample Name: A950609V1/LO - A05 Date: 09/14/1995 22:03:28
Data File : C:\DX\DATA\9509142\95091421.D40
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 40 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.958	21373384	54603868	1	-1.05
2	1.30		0.000	33048	169703	1	
3	1.57	CHLORIDE	26.611	10259013	33182466	1	0.00
4	1.95	NITRITE	107.560	21397533	91216135	1	-0.83
5	3.03	BROMIDE	28.317	1443565	13579555	1	3.12
6	3.53	NITRATE	104.176	6771248	70553125	1	0.00
7	5.70	PHOSPHATE	110.817	2767933	36819774	1	-0.13
8	7.47	SULFATE	108.019	5188310	94286617	1	0.00
		Totals	512.458	69234034	394411242		

File: 95091421.D40 Sample: A950609V1/LO - A05



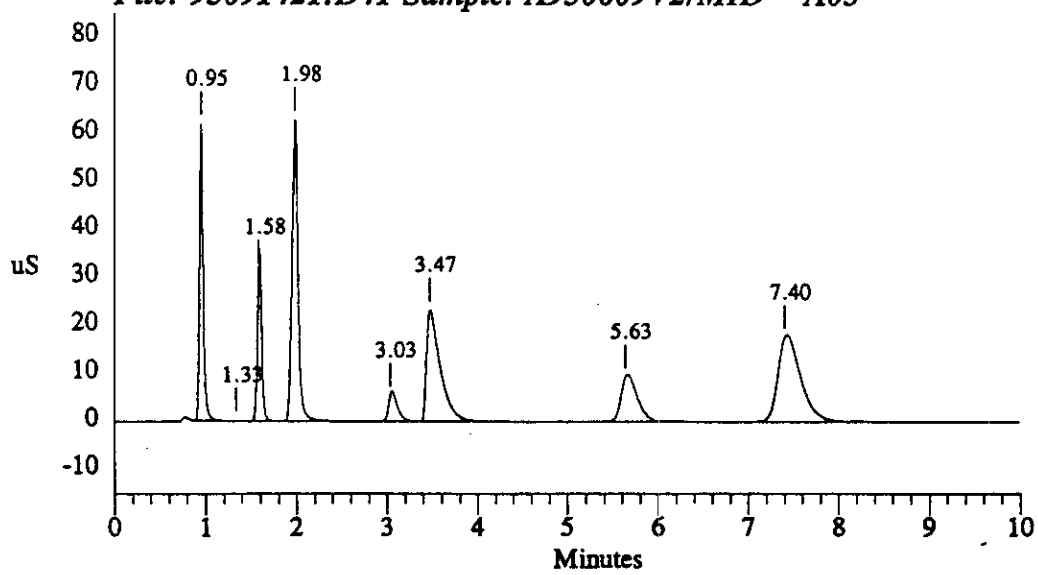
Sample Name: A950609V2/MID - A05 Date: 09/14/1995 22:16:29
Data File : C:\DX\DATA\9509142\95091421.D41
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 41 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	27.077	61805755	175987366	1	-0.34
2	1.33		0.000	111721	574406	1	
3	1.58	CHLORIDE	27.436	30955474	115706176	1	0.00
4	1.98	NITRITE	110.288	62830601	294290268	1	-0.20
5	3.03	BROMIDE	28.197	5278601	43235689	1	2.04
6	3.47	NITRATE	108.346	23059047	242842087	1	0.00
7	5.63	PHOSPHATE	112.298	9251871	124268726	1	0.60
8	7.40	SULFATE	110.449	17505396	319196557	1	0.00
		Totals	524.089	210798466	1316101274		

File: 95091421.D41 Sample: A950609V2/MID - A05



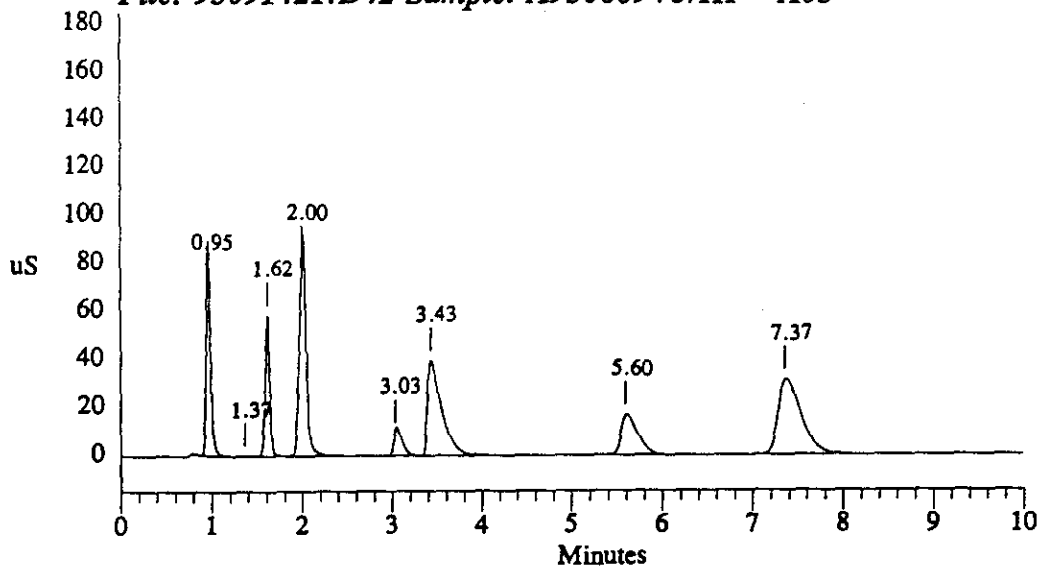
Sample Name: A950609V3/HI - A05 Date: 09/14/1995 22:29:56
Data File : C:\DX\DATA\9509142\95091421.D42
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 42 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	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	26.734	69574914	296968790	1	-2.39
2	1.37		0.000	154265	782522	1	
3	1.62	CHLORIDE	26.758	58598332	204850190	1	0.00
4	2.00	NITRITE	107.273	82432959	488412889	1	-1.43
5	3.03	BROMIDE	27.537	9962311	75368585	1	-0.07
6	3.43	NITRATE	106.370	39569919	433163334	1	0.00
7	5.60	PHOSPHATE	110.018	17160820	223714780	1	0.97
8	7.37	SULFATE	108.257	31581762	570749047	1	0.00
		Totals	512.947	309035282	2294010136		

File: 95091421.D42 Sample: A950609V3/HI - A05



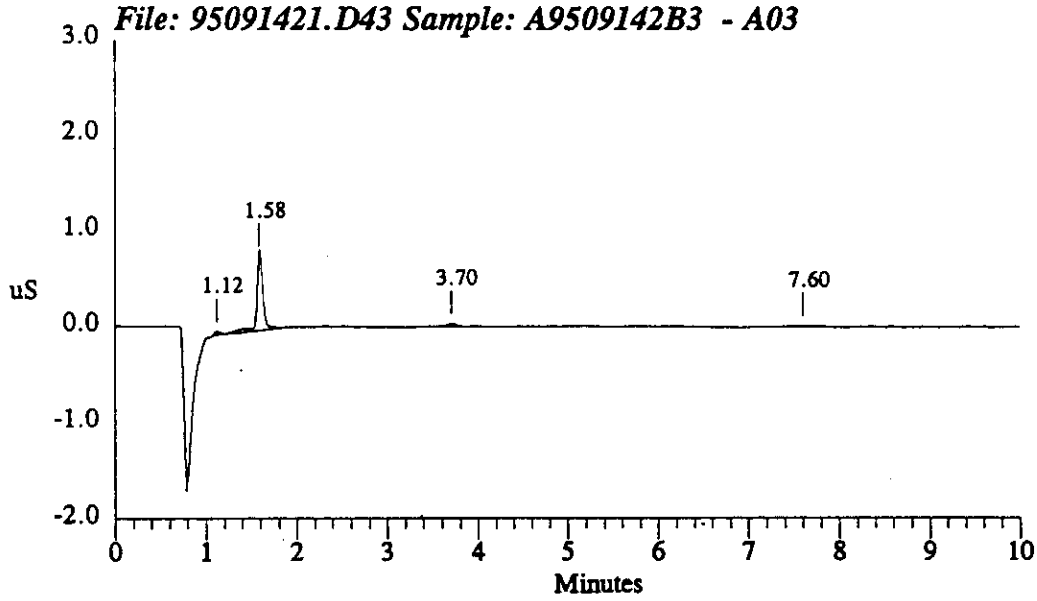
Sample Name: A9509142B3 - A03 Date: 09/14/1995 22:46:24
Data File : C:\DX\DATA\9509142\95091421.D43
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 43 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.12		0.000	34983	152987	1	
2	1.58	CHLORIDE	0.257	778163	4094529	1	0.00
3	3.70	NITRATE	0.254	33703	394847	1	0.00
4	7.60	SULFATE	0.228	10156	143714	1	0.00
		Totals	0.738	857005	4786077		

File: 95091421.D43 Sample: A9509142B3 - A03



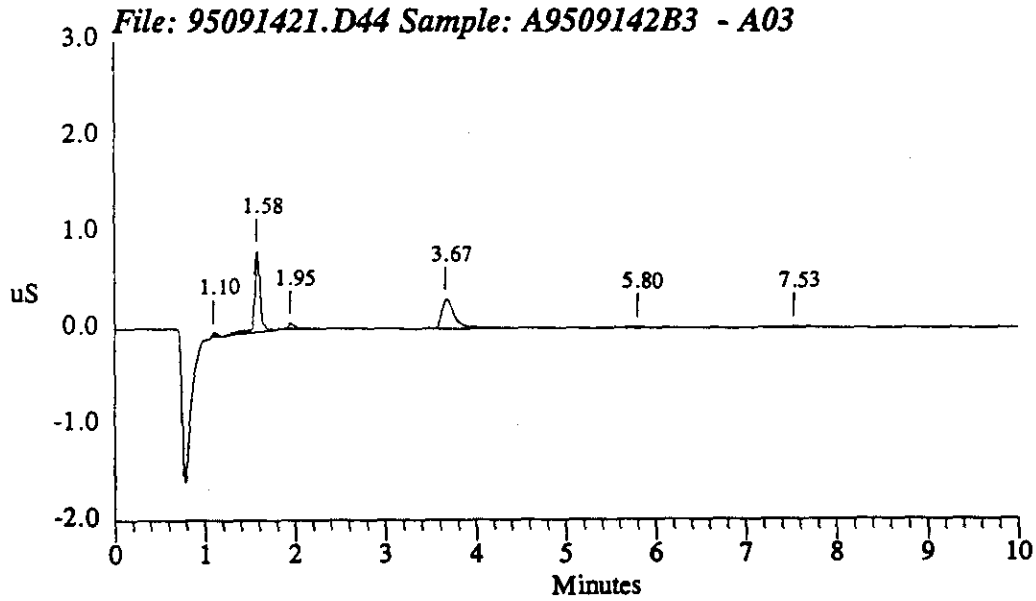
Sample Name: A9509142B3 - A03 Date: 09/14/1995 23:02:44
Data File : C:\DX\DATA\9509142\95091421.D44
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 44 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.10		0.000	38059	159263	1	
2	1.58	CHLORIDE	0.250	848352	3915656	1	0.00
3	1.95	NITRITE	0.242	58358	311962	1	-1.87
4	3.67	NITRATE	0.459	304802	3228527	1	0.00
5	5.80	PHOSPHATE	0.278	13602	250393	1	-2.08
6	7.53	SULFATE	0.236	15324	283431	1	0.00
		Totals	1.465	1278497	8149231		

File: 95091421.D44 Sample: A9509142B3 - A03



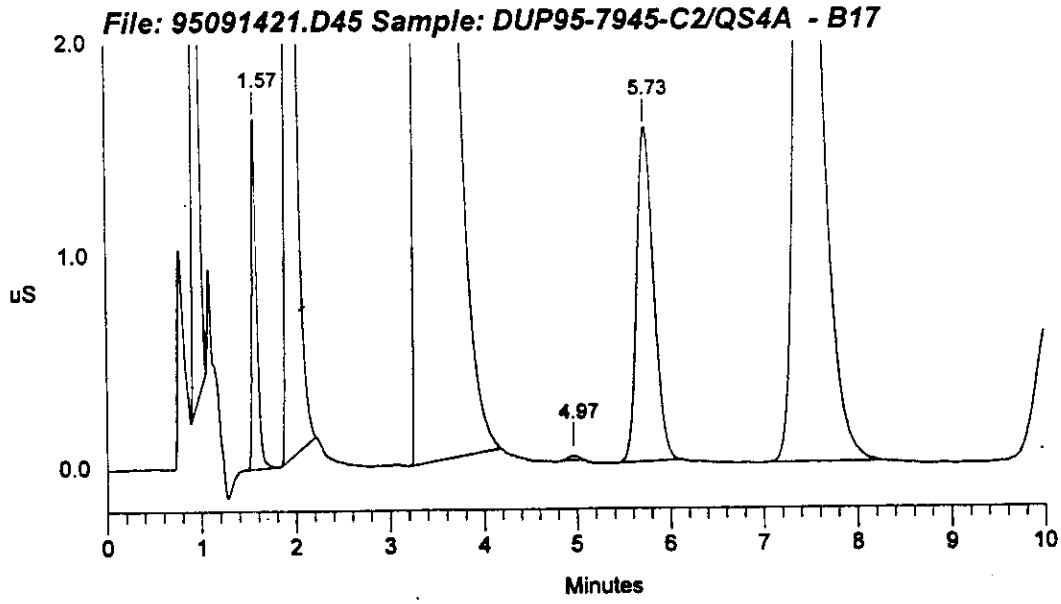
Data Reprocessed On 09/22/1995 03:19:28

Sample Name: DUP95-7945-C2/QS4A - B17	Date: 09/14/1995 23:15:14	
Data File : C:\DX\DATA\9509142\95091421.D45		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 45 Vial:B17		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	0.95	FLUORIDE	59.615	18358020	47754230	1	0.72
2	1.57	CHLORIDE	16.330	1623154	5945197	1	0.00
3	1.95	NITRITE	342.332	24554243	117491987	1	-0.83
4	3.33	NITRATE	2083.716	69026817	822679933	1	0.00
5	4.97		0.000	22145	154628	1	
6	5.73	PHOSPHATE	156.259	1554992	19760125	1	6.48
7	7.47	SULFATE	238.076	4475072	82353885	1	0.00
		Totals	2896.329	119614442	1096139985		



Data Reprocessed On 09/22/1995 02:54:55

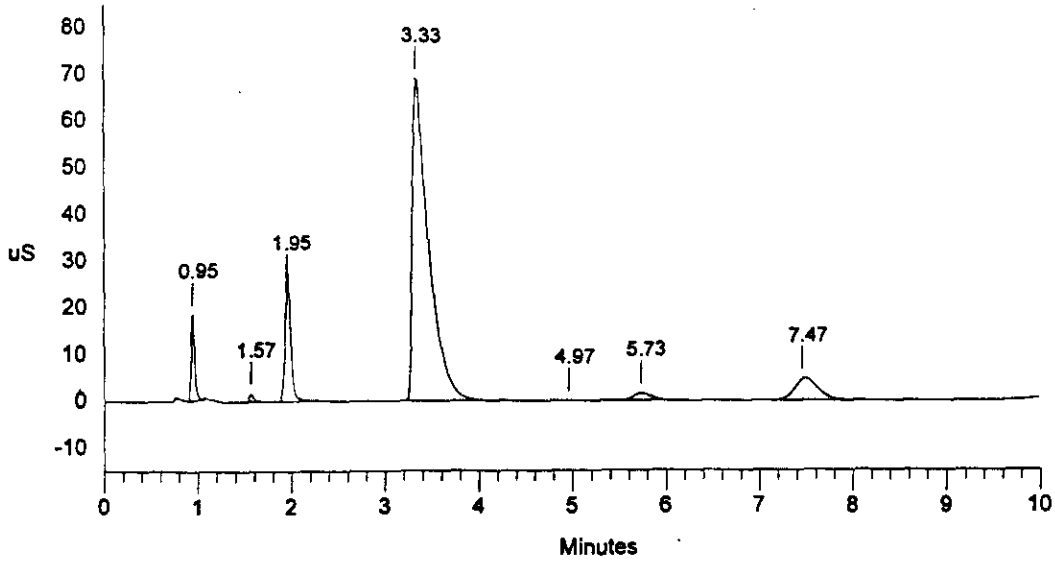
Sample Name: DUP95-7945-C2/QS4A - B17	Date: 09/14/1995 23:15:14
Data File : C:\DX\DATA\9509142\95091421.d45	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 45 Vial:B17	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	0.95	FLUORIDE	59.615	18358020	47754230	1	0.72
2	1.57	CHLORIDE	16.330	1623154	5945197	1	0.00
3	1.95	NITRITE	342.332	24554243	117491987	1	-0.83
4	3.33	NITRATE	2083.716	69026817	822679933	1	0.00
5	4.97		0.000	22145	154628	1	
6	5.73	PHOSPHATE	156.259	1554992	19760125	1	6.48
7	7.47	SULFATE	238.076	4475072	82353885	1	0.00
		Totals	2896.329	119614442	1096139985		

File: 95091421.d45 Sample: DUP95-7945-C2/QS4A - B17



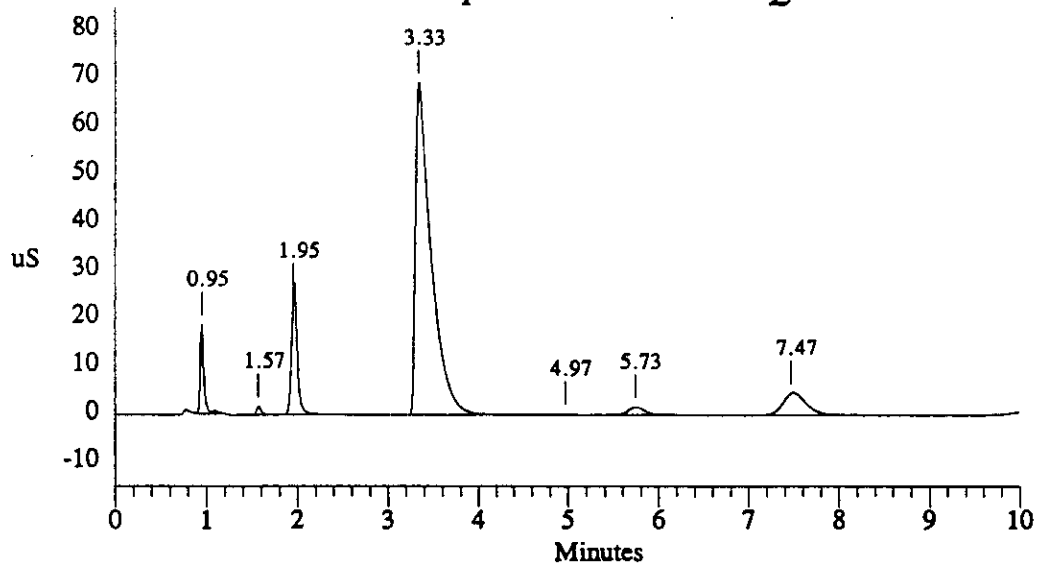
Sample Name: DUP95-7945-C2/QS4A - B17 Date: 09/14/1995 23:15:14
Data File : C:\DX\DATA\9509142\95091421.D45
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 45 Vial:B17 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.95	FLUORIDE	64.127	18438710	51725192	1	0.72
2	1.57	CHLORIDE	19.476	1684413	7618886	1	0.00
3	1.95	NITRITE	349.316	24592024	119997630	1	-0.83
4	3.33	NITRATE	2087.950	69036849	825688084	1	0.00
5	4.97		0.000	32163	330955	1	
6	5.73	PHOSPHATE	160.586	1563130	20362973	1	6.48
7	7.47	SULFATE	239.731	4480309	82969397	1	0.00
		Totals	2921.186	119827599	1108693116		

File: 95091421.D45 Sample: DUP95-7945-C2/QS4A - B17



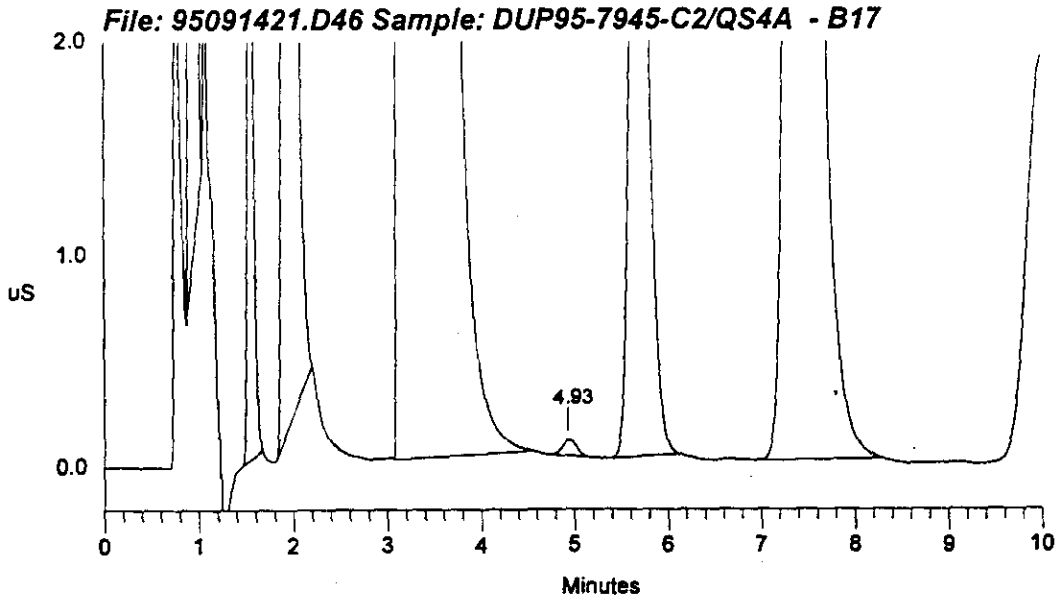
Data Reprocessed On 09/22/1995 00:28:58

Sample Name: DUP95-7945-C2/QS4A - B17	Date: 09/14/1995 23:27:51
Data File : C:\DX\DATA\9509142\95091421.D46	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 46 Vial:B17	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	61.568	44561595	131581078	1	0.36
2	1.55	CHLORIDE	13.822	4019395	15702417	1	0.00
3	1.95	NITRITE	364.570	64586106	325633564	1	0.24
4	3.17	NITRATE	312.287	183879475	2461633181	1	0.00
5	4.93		0.000	71726	797924	1	
6	5.67	PHOSPHATE	166.713	4435919	57192692	1	5.14
7	7.40	SULFATE	255.562	13306503	238988965	1	0.00
		Totals	1174.522	314860720	3231529821		



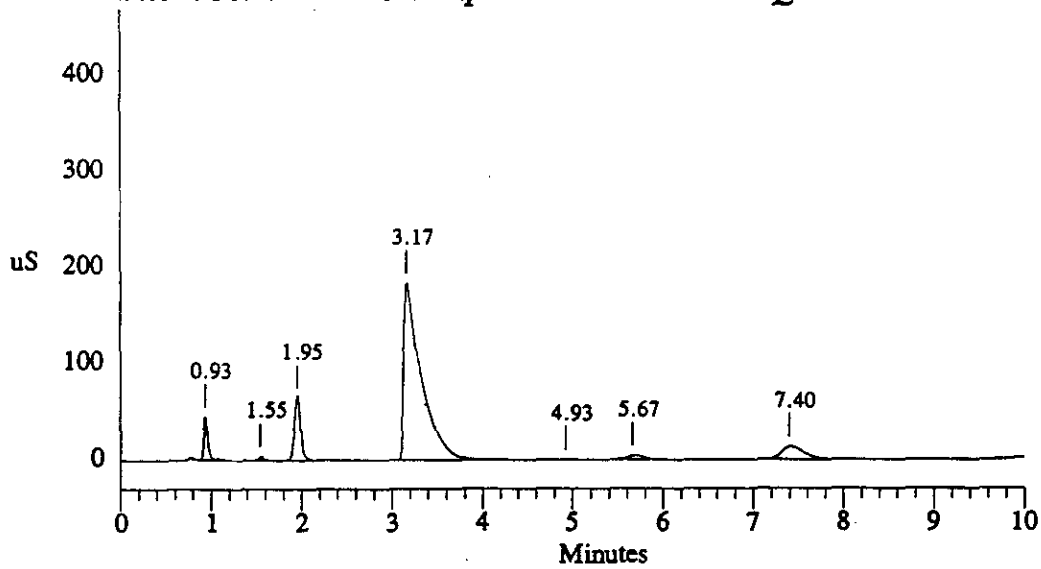
Sample Name: DUP95-7945-C2/QS4A - B17 Date: 09/14/1995 23:27:51
Data File : C:\DX\DATA\9509142\95091421.D46
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 46 Vial:B17 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	66.417	44823272	142487238	1	0.02
2	1.55	CHLORIDE	16.899	4188184	19865651	1	0.00
3	1.95	NITRITE	373.841	64745736	334287524	1	0.24
4	3.17	NITRATE	311.069	183880852	2462647019	1	0.00
5	4.93	PHOSPHATE	7.208	71540	804361	1	-3.56
6	5.67		0.000	4446882	58017433	1	
7	7.40	SULFATE	256.616	13313911	240074448	1	0.00
		Totals	1032.051	315470378	3258183674		

File: 95091421.D46 Sample: DUP95-7945-C2/QS4A - B17



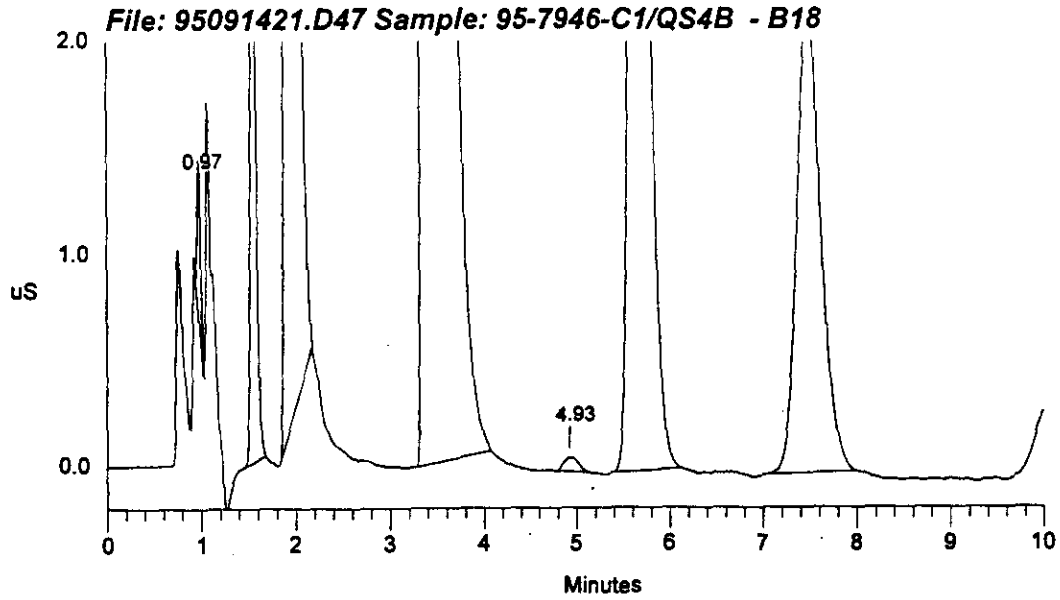
Data Reprocessed On 09/22/1995 03:20:13

Sample Name: 95-7946-C1/QS4B - B18	Date: 09/14/1995 23:40:27	
Data File : C:\DX\DATA\9509142\95091421.D47		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 47 Vial:B18		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	2.885	472982	1918896	1	3.59
2	1.55	CHLORIDE	12.688	3843557	14174867	1	0.00
3	1.97	NITRITE	382.394	71972712	342284563	1	1.09
4	3.40	NITRATE	548.862	40692508	450616570	1	0.00
5	4.93		0.000	65665	713383	1	
6	5.67	PHOSPHATE	251.386	7225815	89520577	1	3.17
7	7.47	SULFATE	48.037	2148479	39058968	1	0.00
		Totals	1246.251	126421718	938287824		



Data Reprocessed On 09/22/1995 02:54:57

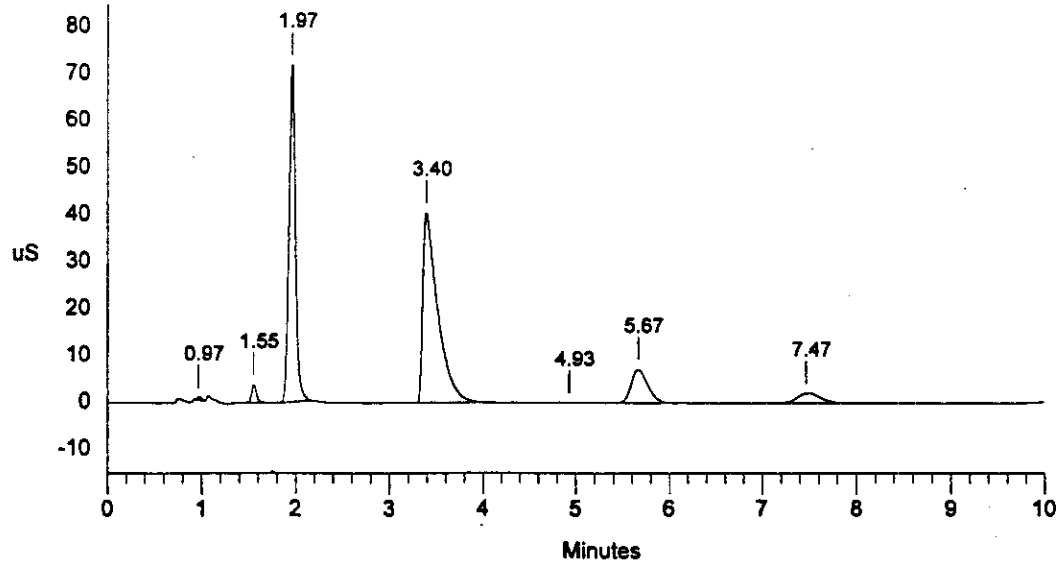
Sample Name: 95-7946-C1/QS4B - B18	Date: 09/14/1995 23:40:27	
Data File : C:\DX\DATA\9509142\95091421.d47		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 47 Vial:B18		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A	

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	2.885	472982	1918896	1	3.59
2	1.55	CHLORIDE	12.688	3843557	14174867	1	0.00
3	1.97	NITRITE	382.394	71972712	342284563	1	1.09
4	3.40	NITRATE	548.862	40692508	450616570	1	0.00
5	4.93		0.000	65665	713383	1	
6	5.67	PHOSPHATE	251.386	7225815	89520577	1	3.17
7	7.47	SULFATE	48.037	2148479	39058968	1	0.00
		Totals	1246.251	126421718	938287824		

File: 95091421.d47 Sample: 95-7946-C1/QS4B - B18



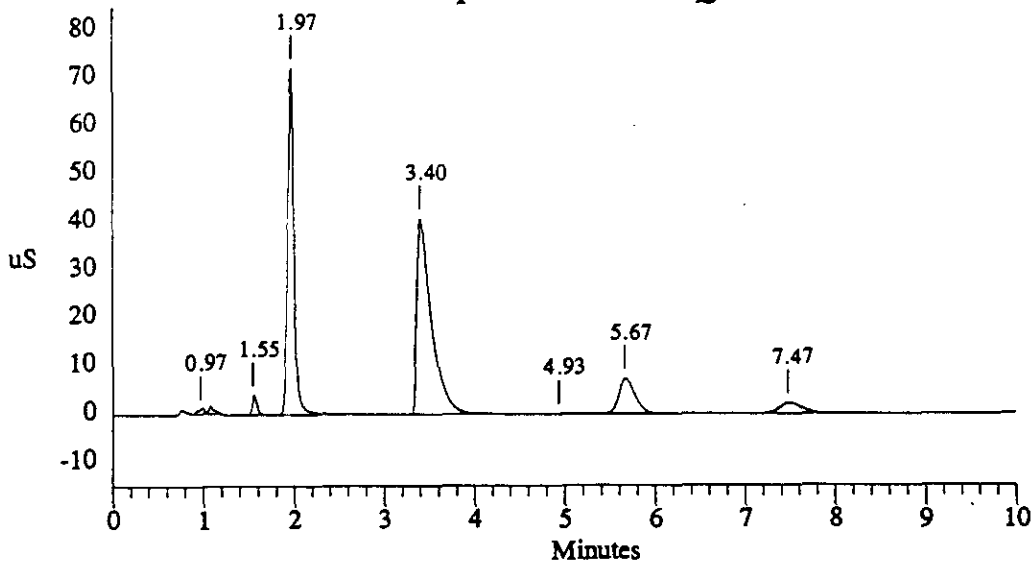
Sample Name: 95-7946-C1/QS4B - B18 Date: 09/14/1995 23:40:27
Data File : C:\DX\DATA\9509142\95091421.D47
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 47 Vial:B18 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	7.669	1054211	12334678	1	3.59
2	1.55	CHLORIDE	14.906	3958082	17166403	1	0.00
3	1.97	NITRITE	394.389	72198830	353520470	1	1.09
4	3.40	NITRATE	551.604	40705706	453461387	1	0.00
5	4.93		0.000	69202	846934	1	
6	5.67	PHOSPHATE	253.479	7239486	90344439	1	3.17
7	7.47	SULFATE	50.184	2173356	41004723	1	0.00
		Totals	1272.232	127398873	968679033		

File: 95091421.D47 Sample: 95-7946-C1/QS4B - B18



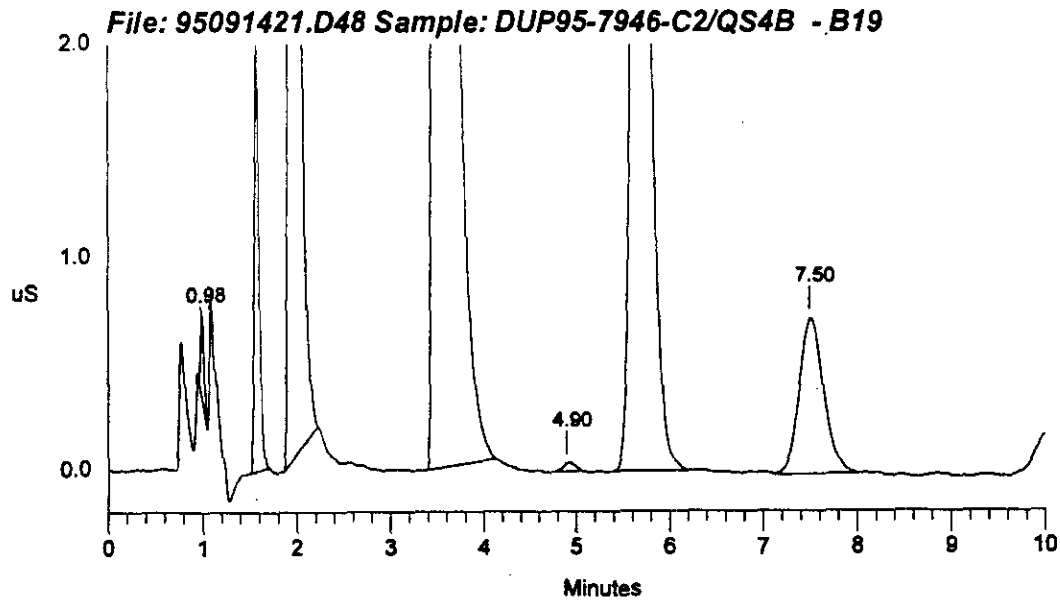
Data Reprocessed On 09/22/1995 03:20:30

Sample Name: DUP95-7946-C2/QS4B - B19	Date: 09/14/1995 23:52:58
Data File : C:\DX\DATA\9509142\95091421.D48	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 48 Vial:B19	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	6.118	263151	967254	1	4.26
2	1.57	CHLORIDE	18.277	1803906	6980390	1	0.00
3	1.97	NITRITE	494.920	37491362	172504611	1	0.02
4	3.50	NITRATE	703.163	19085385	206626337	1	0.00
5	4.90		0.000	37396	383695	1	
6	5.67	PHOSPHATE	503.281	5443699	70176177	1	0.23
7	7.50	SULFATE	48.533	733434	13341746	1	0.00
		Totals	1774.292	64858333	470980210		



Data Reprocessed On 09/22/1995 02:54:58

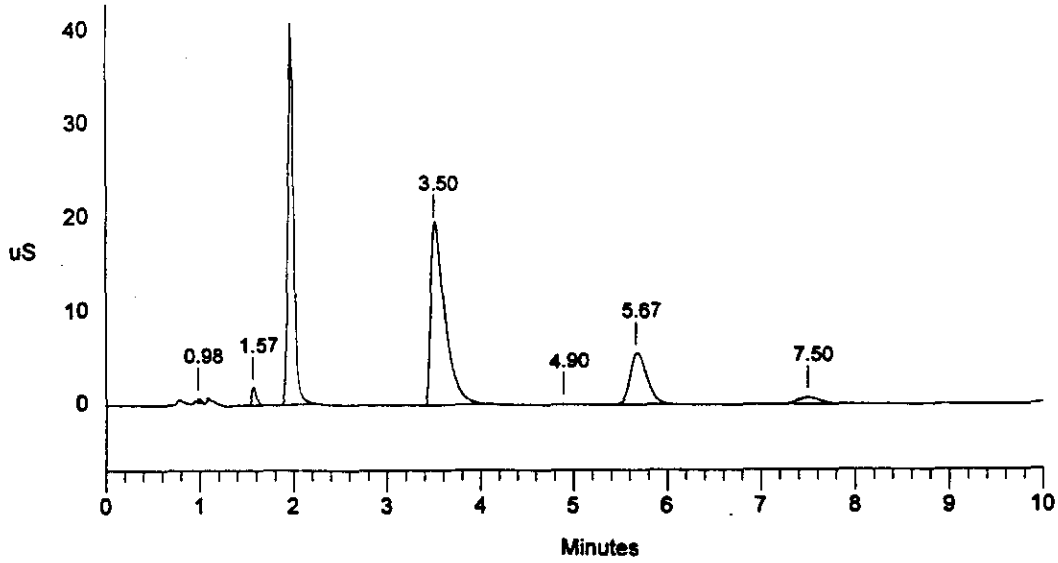
Sample Name: DUP95-7946-C2/QS4B - B19	Date: 09/14/1995 23:52:58
Data File : C:\DX\DATA\9509142\95091421.d48	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 48 Vial:B19	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	6.118	263151	967254	1	4.26
2	1.57	CHLORIDE	18.277	1803906	6980390	1	0.00
3	1.97	NITRITE	494.920	37491362	172504611	1	0.02
4	3.50	NITRATE	703.163	19085385	206626337	1	0.00
5	4.90		0.000	37396	383695	1	
6	5.67	PHOSPHATE	503.281	5443699	70176177	1	0.23
7	7.50	SULFATE	48.533	733434	13341746	1	0.00
		Totals	1774.292	64858333	470980210		

File: 95091421.d48 Sample: DUP95-7946-C2/QS4B - B19



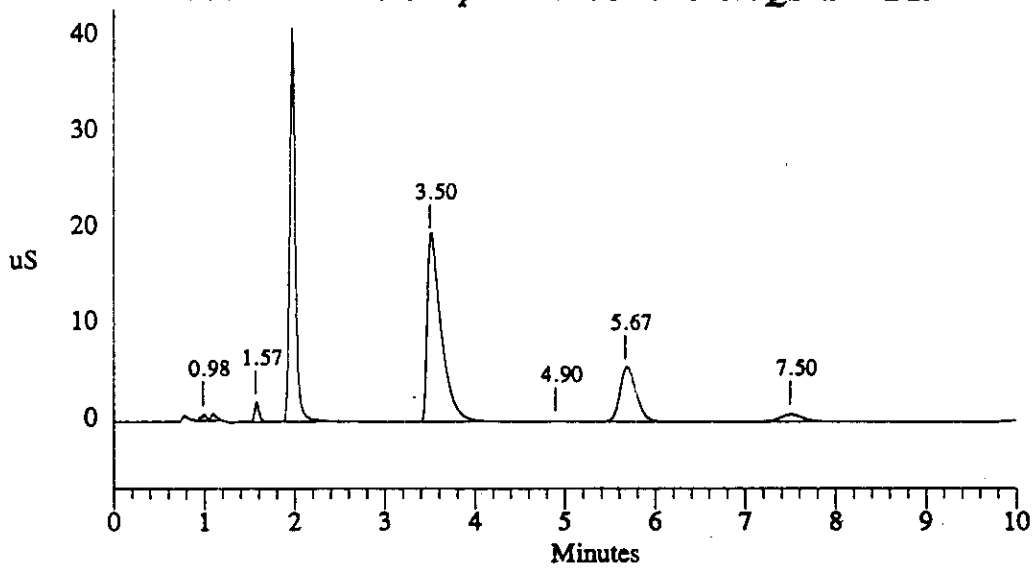
Sample Name: DUP95-7946-C2/QS4B - B19 Date: 09/14/1995 23:52:58
Data File : C:\DX\DATA\9509142\95091421.D48
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 48 Vial:B19 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	11.586	522709	5725066	1	4.26
2	1.57	CHLORIDE	21.335	1868016	8610188	1	0.00
3	1.97	NITRITE	507.410	37556610	177032848	1	0.02
4	3.50	NITRATE	709.204	19097299	208595635	1	0.00
5	4.90		0.000	41655	518134	1	
6	5.67	PHOSPHATE	503.670	5444447	70235298	1	0.23
7	7.50	SULFATE	50.241	738008	13950790	1	0.00
		Totals	1803.446	65268744	484667959		

File: 95091421.D48 Sample: DUP95-7946-C2/QS4B - B19



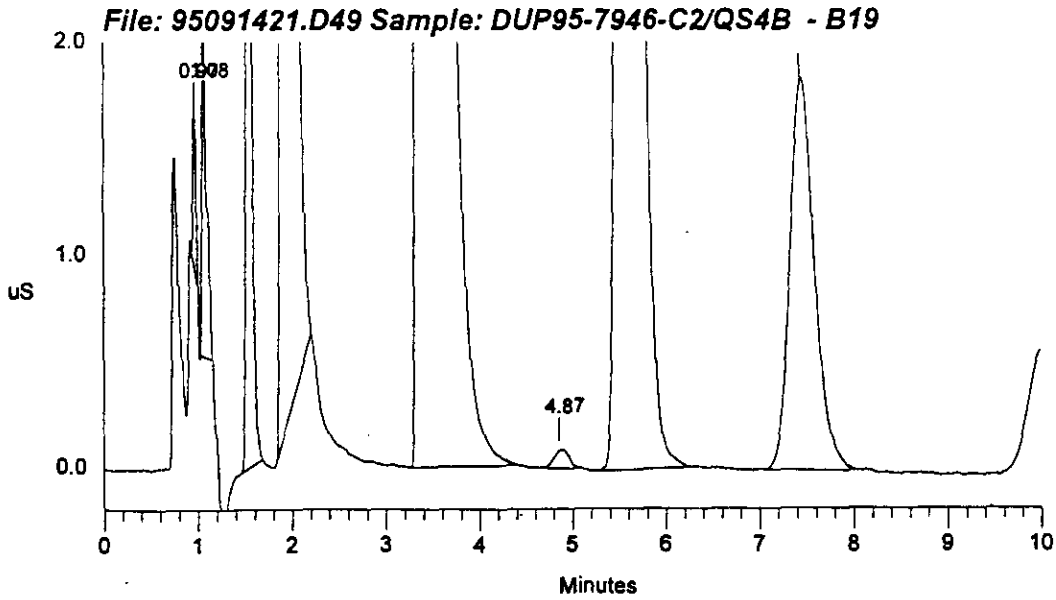
Data Reprocessed On 09/22/1995 03:20:47

Sample Name: DUP95-7946-C2/QS4B - B19	Date: 09/15/1995 00:05:34
Data File : C:\DX\DATA\9509142\95091421.D49	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 49 Vial:B19	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	2.778	704659	1685933	1	3.59
2	1.08		0.000	1140854	5316702	1	
3	1.55	CHLORIDE	15.475	4779642	17936182	1	0.00
4	1.97	NITRITE	475.018	80288831	429688923	1	1.09
5	3.37	NITRATE	666.044	43086452	581569575	1	0.00
6	4.87		0.000	85255	982395	1	
7	5.57	PHOSPHATE	500.451	15367927	198497880	1	2.36
8	7.43	SULFATE	41.938	1807396	33545869	1	0.00
		Totals	1701.703	147261018	1269223459		



Data Reprocessed On 09/22/1995 02:54:58

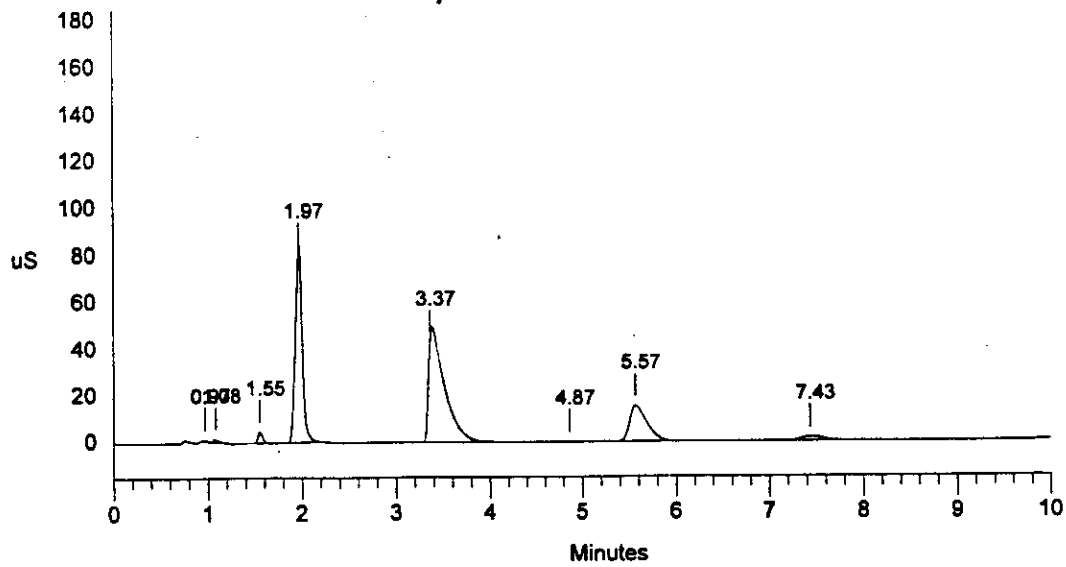
Sample Name: DUP95-7946-C2/QS4B - B19 Date: 09/15/1995 00:05:34
Data File : C:\DX\DATA\9509142\95091421.d49
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 49 Vial:B19 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	2.778	704659	1685933	1	3.59
2	1.08		0.000	1140854	5316702	1	
3	1.55	CHLORIDE	15.475	4779642	17936182	1	0.00
4	1.97	NITRITE	475.018	80288831	429688923	1	1.09
5	3.37	NITRATE	666.044	43086452	581569575	1	0.00
6	4.87		0.000	85255	982395	1	
7	5.57	PHOSPHATE	500.451	15367927	198497880	1	2.36
8	7.43	SULFATE	41.938	1807396	33545869	1	0.00
		Totals	1701.703	147261018	1269223459		

File: 95091421.d49 Sample: DUP95-7946-C2/QS4B - B19



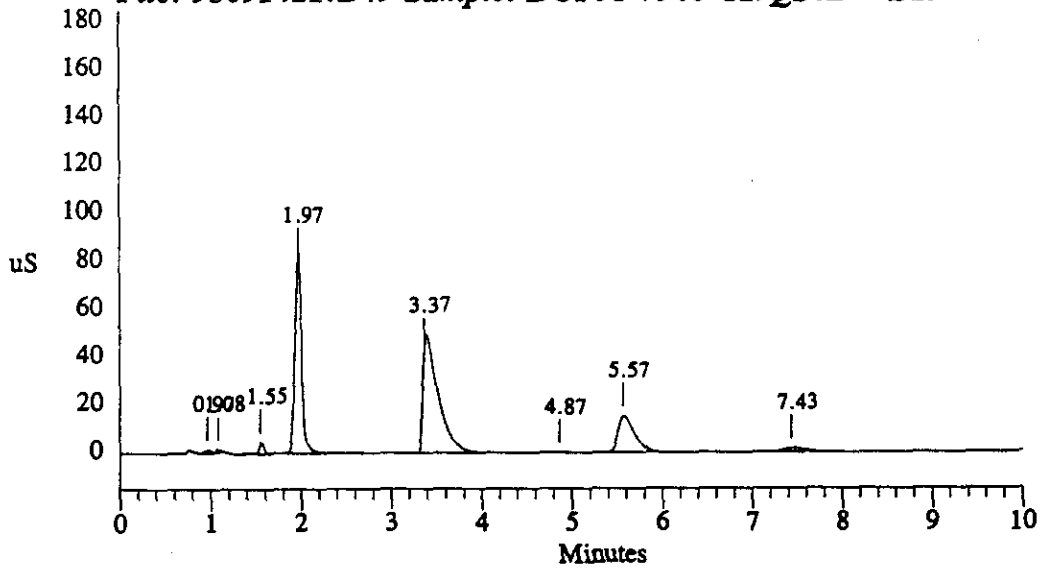
Sample Name:	DUP95-7946-C2/QS4B - B19 Date: 09/15/1995 00:05:34
Data File :	C:\DX\DATA\9509142\95091421.D49
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 49 Vial:B19 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A

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	4.713	1335041	5895281	2	3.59
2	1.08		0.000	1227998	5878211	2	
3	1.55	CHLORIDE	18.429	4931161	21944885	1	0.00
4	1.97	NITRITE	489.030	80523819	443042452	1	1.09
5	3.37	NITRATE	666.394	43087405	581994445	1	0.00
6	4.87		0.000	88890	1120648	1	
7	5.57	PHOSPHATE	501.924	15372458	199224659	1	2.36
8	7.43	SULFATE	42.352	1809968	33920119	1	0.00
		Totals	1722.841	148376741	1293020700		

File: 95091421.D49 Sample: DUP95-7946-C2/QS4B - B19



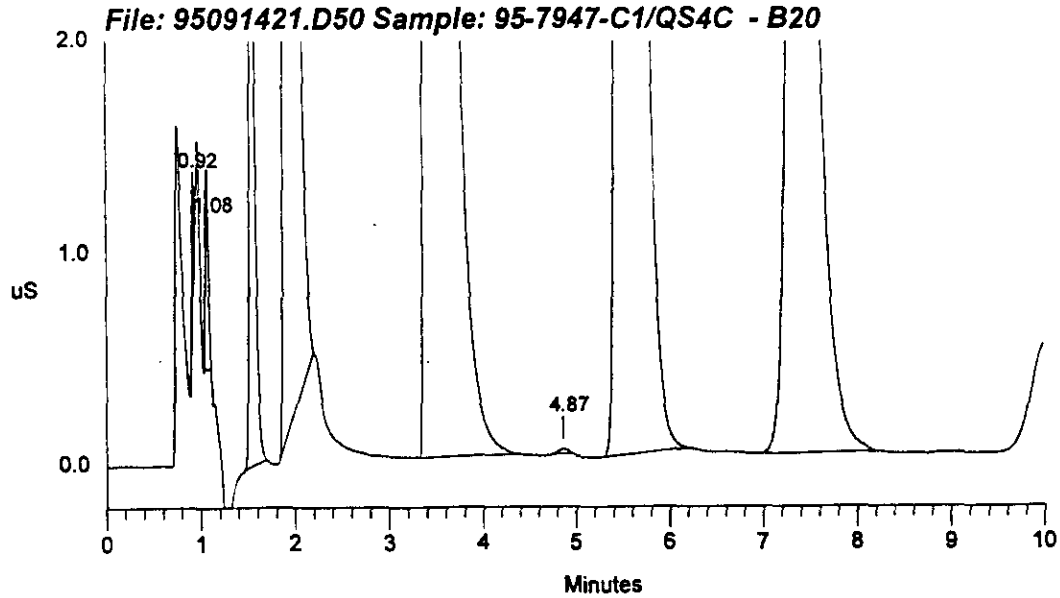
Data Reprocessed On 09/22/1995 03:21:38

Sample Name: 95-7947-C1/QS4C - B20	Date: 09/15/1995 00:18:11	
Data File : C:\DX\DATA\9509142\95091421.D50		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 50 Vial:B20		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	2.378	476086	816333	1	-1.77
2	1.08		0.000	565737	2133894	1	
3	1.55	CHLORIDE	12.371	3653067	13748422	1	0.00
4	1.97	NITRITE	382.525	71027692	342407128	1	1.09
5	3.43	NITRATE	485.934	34284467	387642705	1	0.00
6	4.87		0.000	24725	160048	1	
7	5.53	PHOSPHATE	615.366	19661552	259490299	1	-0.23
8	7.40	SULFATE	138.313	6712226	122914220	1	0.00
		Totals	1636.887	136405552	1129313050		



Data Reprocessed On 09/22/1995 02:54:59

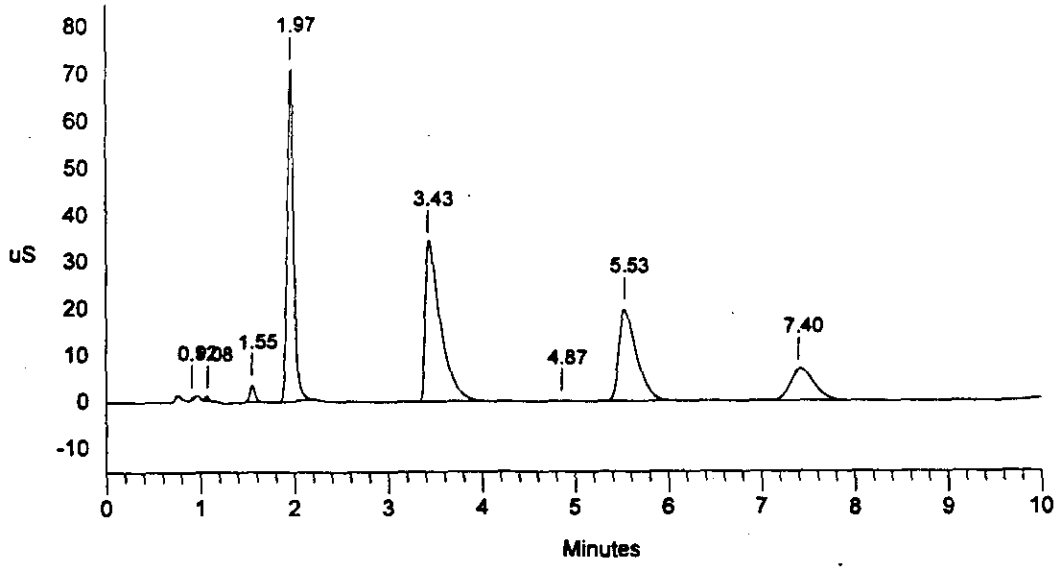
Sample Name: 95-7947-C1/QS4C - B20	Date: 09/15/1995 00:18:11
Data File : C:\DX\DATA\9509142\95091421.d50	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 50 Vial:B20	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	2.378	476086	816333	1	-1.77
2	1.08		0.000	565737	2133894	1	
3	1.55	CHLORIDE	12.371	3653067	13748422	1	0.00
4	1.97	NITRITE	382.525	71027692	342407128	1	1.09
5	3.43	NITRATE	485.934	34284467	387642705	1	0.00
6	4.87		0.000	24725	160048	1	
7	5.53	PHOSPHATE	615.366	19661552	259490299	1	-0.23
8	7.40	SULFATE	138.313	6712226	122914220	1	0.00
		Totals	1636.887	136405552	1129313050		

File: 95091421.d50 Sample: 95-7947-C1/QS4C - B20



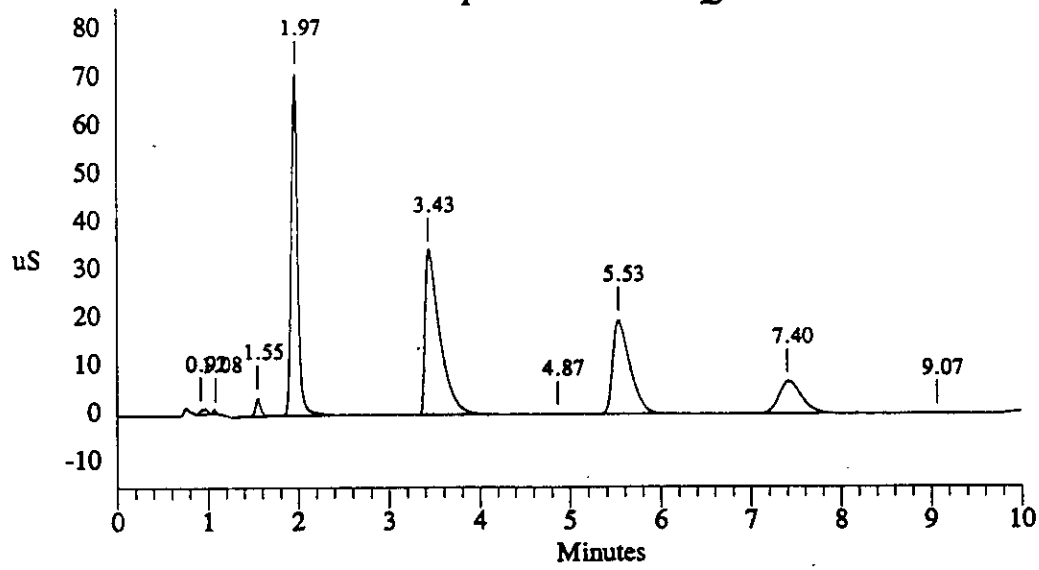
Sample Name: 95-7947-C1/QS4C - B20 Date: 09/15/1995 00:18:11
Data File : C:\DX\DATA\9509142\95091421.D50
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 50 Vial:B20 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	4.556	884899	5554717	2	-1.77
2	1.08		0.000	579643	2234419	2	
3	1.55	CHLORIDE	15.390	3807303	17821145	1	0.00
4	1.97	NITRITE	394.026	71233118	353179183	1	1.09
5	3.43	NITRATE	486.345	34285742	388040576	1	0.00
6	4.87		0.000	34732	314150	1	
7	5.53	PHOSPHATE	616.857	19668402	260347949	1	-0.23
8	7.40	SULFATE	138.804	6716585	123382575	1	0.00
9	9.07		0.000	6956	148758	1	
		Totals	1655.978	137217380	1151023471		

File: 95091421.D50 Sample: 95-7947-C1/QS4C - B20



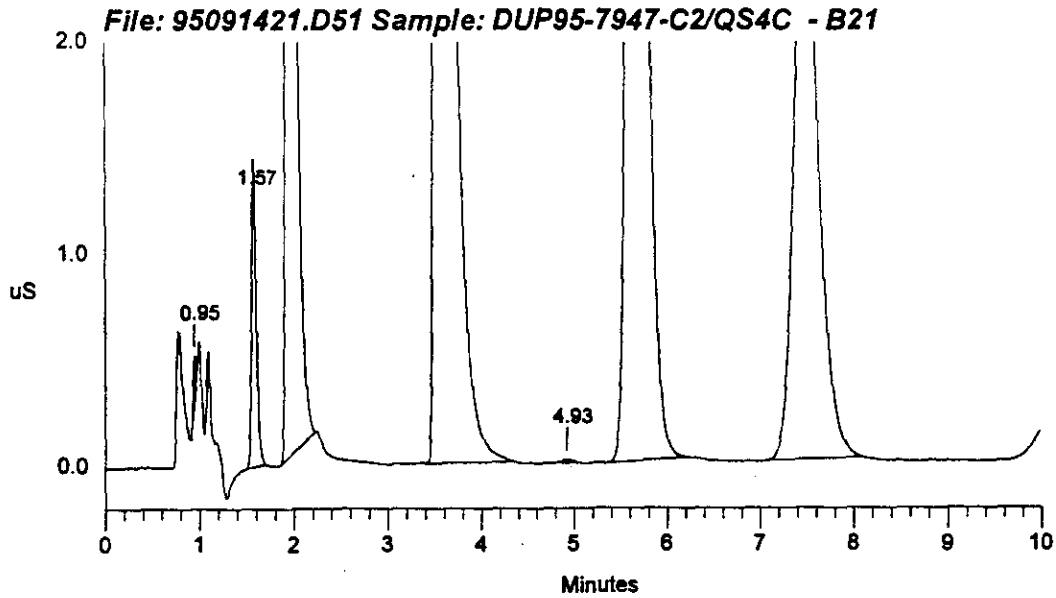
Data Reprocessed On 09/22/1995 03:22:05

Sample Name: DUP95-7947-C2/QS4C - B21	Date: 09/15/1995 00:30:39
Data File : C:\DX\DATA\9509142\95091421.D51	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 51 Vial:B21	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	0.95	FLUORIDE	5.409	221357	350327	1	0.72
2	1.57	CHLORIDE	14.588	1155636	5019887	1	0.00
3	1.97	NITRITE	370.585	27837876	127635670	1	0.02
4	3.53	NITRATE	469.414	11584588	132880538	1	0.00
5	4.93		0.000	13667	121929	1	
6	5.67	PHOSPHATE	681.342	7877992	97903870	1	-0.72
7	7.47	SULFATE	150.749	2738979	50199708	1	0.00
		Totals	1692.087	51430096	414111929		



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

Data Reprocessed On 09/22/1995 02:55:00

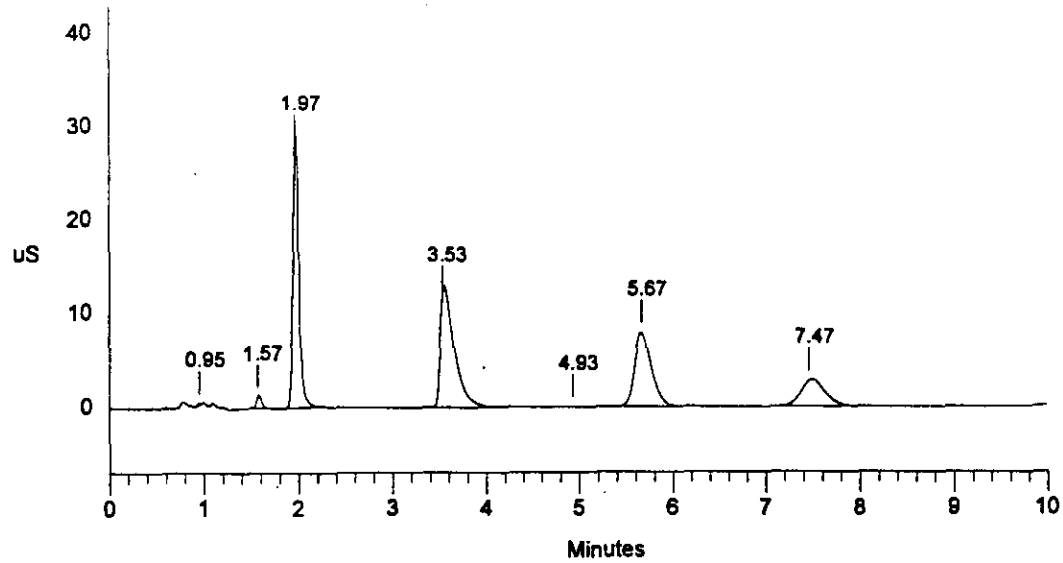
Sample Name: DUP95-7947-C2/QS4C - B21		Date: 09/15/1995 00:30:39	
Data File : C:\DX\DATA\9509142\95091421.d51			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 51 Vial:B21			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	0.95	FLUORIDE	5.409	221357	350327	1	0.72
2	1.57	CHLORIDE	14.588	1155636	5019887	1	0.00
3	1.97	NITRITE	370.585	27837876	127635670	1	0.02
4	3.53	NITRATE	469.414	11584588	132880538	1	0.00
5	4.93		0.000	13667	121929	1	
6	5.67	PHOSPHATE	681.342	7877992	97903870	1	-0.72
7	7.47	SULFATE	150.749	2738979	50199708	1	0.00
		Totals	1692.087	51430096	414111929		

File: 95091421.d51 Sample: DUP95-7947-C2/QS4C - B21



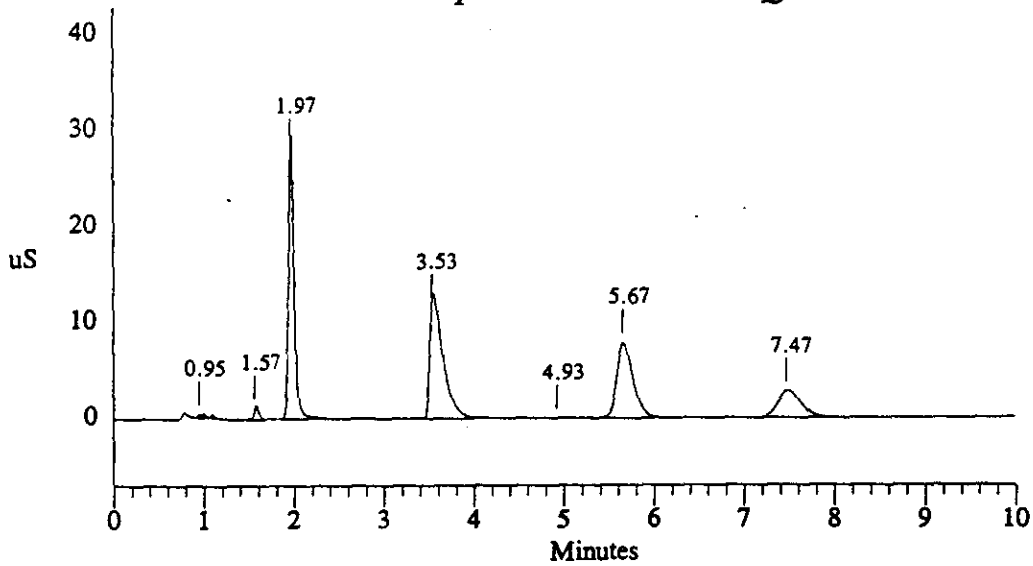
Sample Name: DUP95-7947-C2/QS4C - B21 Date: 09/15/1995 00:30:39
Data File : C:\DX\DATA\9509142\95091421.D51
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 51 Vial:B21 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.95	FLUORIDE	8.790	399271	3291565	1	0.72
2	1.57	CHLORIDE	17.590	1219530	6614855	1	0.00
3	1.97	NITRITE	379.801	27886929	130948797	1	0.02
4	3.53	NITRATE	470.074	11585453	133082404	1	0.00
5	4.93		0.000	16270	176628	1	
6	5.67	PHOSPHATE	686.851	7887244	98784760	1	-0.72
7	7.47	SULFATE	153.496	2750206	51201579	1	0.00
		Totals	1716.602	51744903	424100587		

File: 95091421.D51 Sample: DUP95-7947-C2/QS4C - B21



Data Reprocessed On 09/22/1995 00:50:12

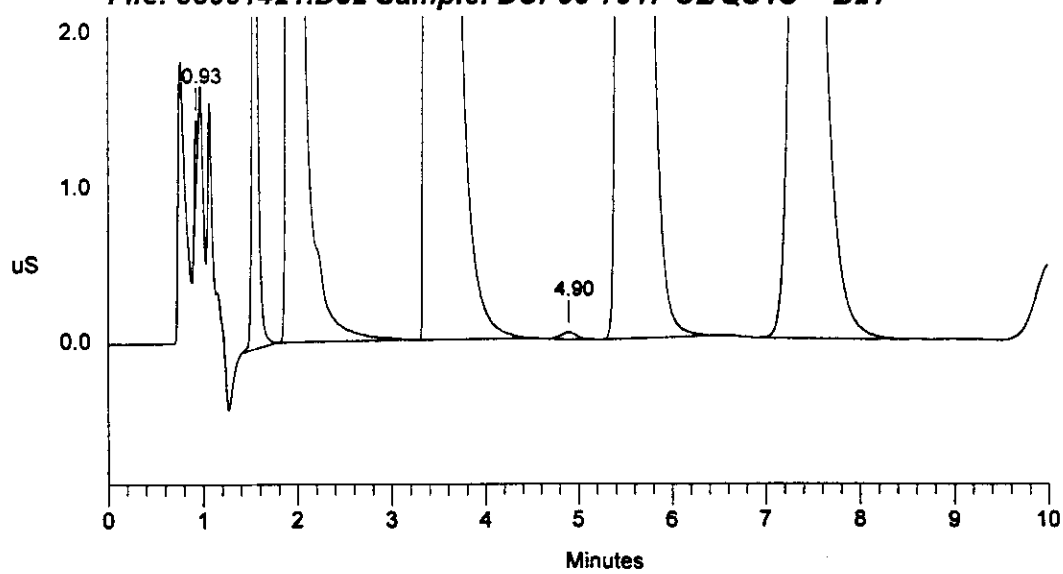
Sample Name: DUP95-7947-C2/QS4C - B21		Date: 09/15/1995 00:43:16	
Data File : C:\DX\DATA\9509142\95091421.D52			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 52 Vial:B21			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	2.389	461310	840914	1	0.02
2	1.55	CHLORIDE	13.841	3945872	15728885	1	0.00
3	1.97	NITRITE	436.716	75755925	393364582	1	1.09
4	3.40	NITRATE	542.708	36835833	444263560	1	0.00
5	4.90		0.000	44831	609230	1	
6	5.50	PHOSPHATE	733.684	23811985	335283838	1	0.14
7	7.40	SULFATE	175.804	8637477	159078873	1	0.00
		Totals	1905.142	149493232	1349169882		

File: 95091421.D52 Sample: DUP95-7947-C2/QS4C - B21



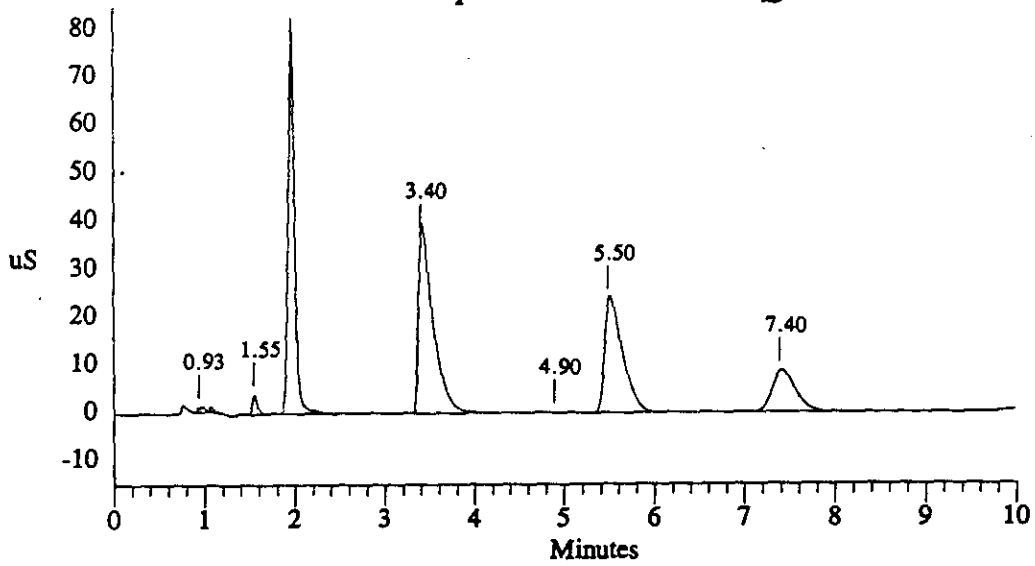
Sample Name: DUP95-7947-C2/QS4C - B21 Date: 09/15/1995 00:43:16
Data File : C:\DX\DATA\9509142\95091421.D52
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 52 Vial:B21 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	6.353	1059488	9465738	1	0.02
2	1.55	CHLORIDE	16.832	4099246	19773818	1	0.00
3	1.97	NITRITE	436.716	75755925	393364582	1	1.09
4	3.40	NITRATE	542.708	36835833	444263560	1	0.00
5	4.90		0.000	44831	609230	1	
6	5.50	PHOSPHATE	733.684	23811985	335283838	1	0.14
7	7.40	SULFATE	175.804	8637477	159078873	1	0.00
		Totals	1912.096	150244785	1361839639		

File: 95091421.D52 Sample: DUP95-7947-C2/QS4C - B21



Data Reprocessed On 09/22/1995 00:53:21

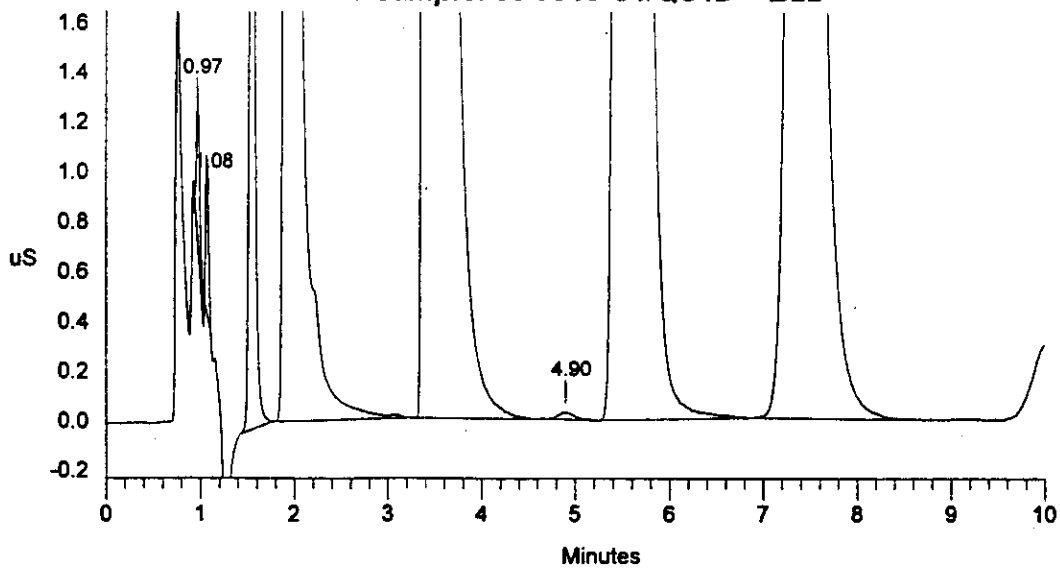
Sample Name: 95-7948-C1/QS4D - B22	Date: 09/15/1995 00:55:52
Data File : C:\DX\DATA\9509142\95091421.D53	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 53 Vial:B22	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	2.724	509806	1569050	1	3.59
2	1.08		0.000	460298	1357933	1	
3	1.55	CHLORIDE	12.049	3436519	13316627	1	0.00
4	1.95	NITRITE	381.891	63486661	341814026	1	0.24
5	3.43	NITRATE	471.638	33807399	373904054	1	0.00
6	4.90		0.000	26844	360182	1	
7	5.50	PHOSPHATE	766.862	25897196	360364716	1	-0.83
8	7.40	SULFATE	202.592	10233331	185447461	1	0.00
		Totals	1837.757	137858054	1278134049		

File: 95091421.D53 Sample: 95-7948-C1/QS4D - B22



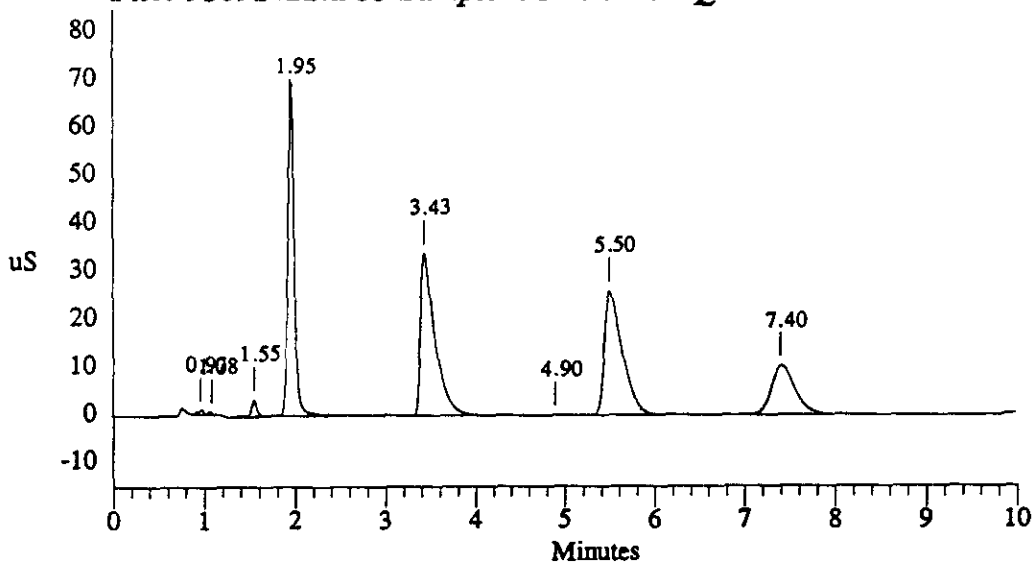
Sample Name: 95-7948-C1/QS4D - B22 Date: 09/15/1995 00:55:52
Data File : C:\DX\DATA\9509142\95091421.D53
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 53 Vial:B22 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	3.913	897744	4154202	2	3.59
2	1.08		0.000	511600	1652640	2	
3	1.55	CHLORIDE	14.932	3583940	17200937	1	0.00
4	1.95	NITRITE	381.891	63486661	341814026	1	0.24
5	3.43	NITRATE	471.638	33807399	373904054	1	0.00
6	4.90		0.000	26844	360182	1	
7	5.50	PHOSPHATE	766.862	25897196	360364716	1	-0.83
8	7.40	SULFATE	202.592	10233331	185447461	1	0.00
		Totals	1841.828	138444715	1284898218		

File: 95091421.D53 Sample: 95-7948-C1/QS4D - B22



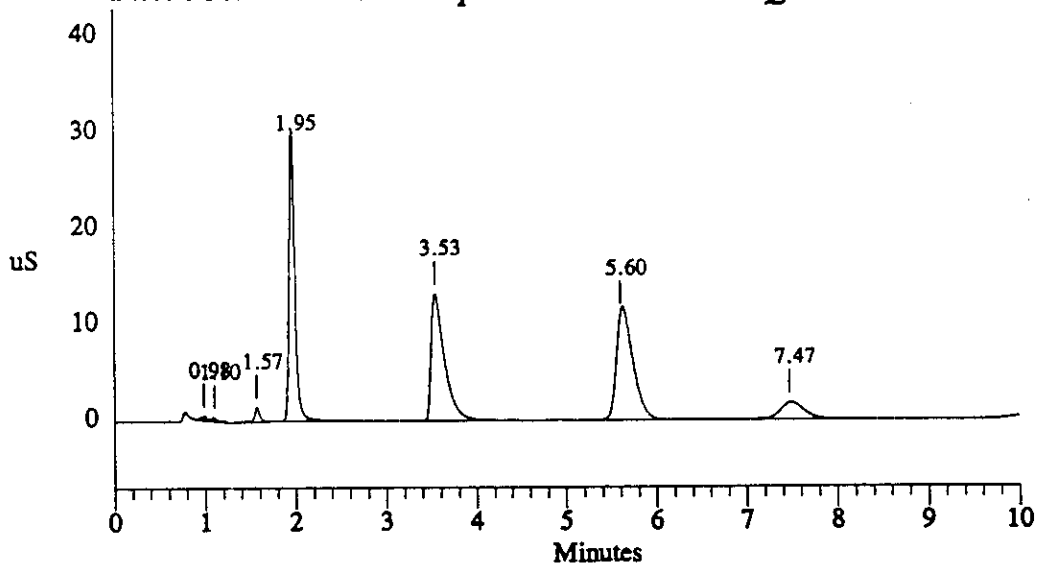
Sample Name: DUP95-7948-C2/QS4D - B23 Date: 09/15/1995 01:08:22
Data File : C:\DX\DATA\9509142\95091421.D54
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 54 Vial:B23 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	7.140	403191	1855690	2	4.26
2	1.10		0.000	363211	2700813	2	
3	1.57	CHLORIDE	19.195	1511969	7469291	1	0.00
4	1.95	NITRITE	390.848	26306102	134922525	1	-0.83
5	3.53	NITRATE	477.447	13174024	135340506	1	0.00
6	5.60	PHOSPHATE	988.329	11064634	149466375	1	-1.89
7	7.47	SULFATE	100.497	1729813	31977625	1	0.00
		Totals	1983.456	54552944	463732824		

File: 95091421.D54 Sample: DUP95-7948-C2/QS4D - B23



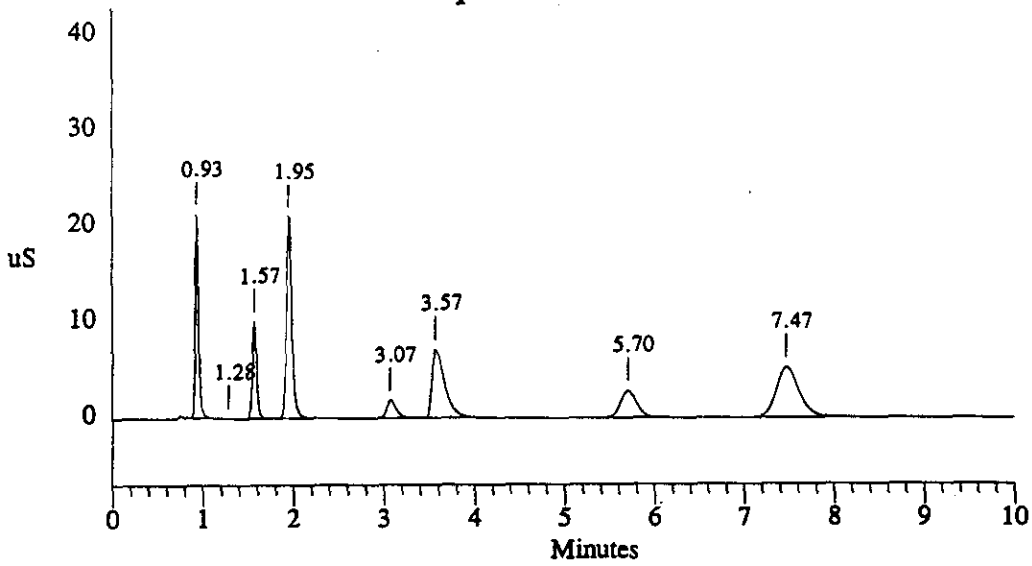
Sample Name: A950609V1/LO - A05 Date: 09/15/1995 01:20:58
Data File : C:\DX\DATA\9509142\95091421.D55
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 55 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.822	21217011	54304150	1	-1.05
2	1.28		0.000	42912	277287	1	
3	1.57	CHLORIDE	26.386	10059245	32870767	1	0.00
4	1.95	NITRITE	106.703	20974528	90451515	1	-0.83
5	3.07	BROMIDE	28.265	1802129	13553321	1	4.26
6	3.57	NITRATE	103.939	7162911	70381162	1	0.00
7	5.70	PHOSPHATE	109.470	2860215	36337268	1	-1.07
8	7.47	SULFATE	107.203	5260636	93523128	1	0.00
		Totals	508.788	69379587	391698598		

File: 95091421.D55 Sample: A950609V1/LO - A05



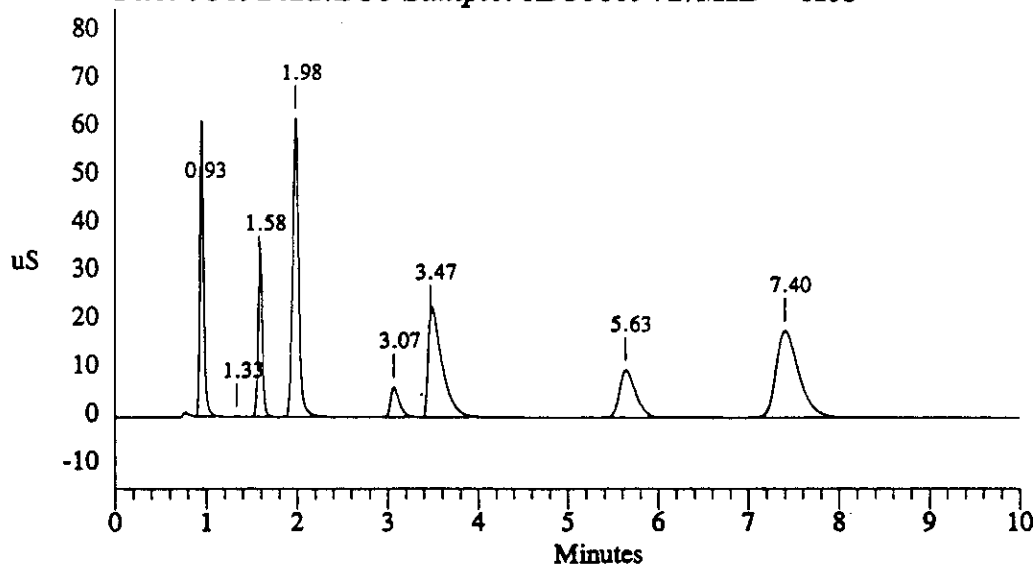
Sample Name: A950609V2/MID - A05 Date: 09/15/1995 01:34:00
Data File : C:\DX\DATA\9509142\95091421.D56
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 56 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.93	FLUORIDE	26.937	41518421	175039853	1	-2.09
2	1.33		0.000	118317	584260	1	
3	1.58	CHLORIDE	27.340	30776145	115248559	1	0.00
4	1.98	NITRITE	109.559	62204197	292263541	1	-0.20
5	3.07	BROMIDE	27.911	6265385	42753829	1	3.16
6	3.47	NITRATE	107.732	20583872	241295385	1	0.00
7	5.63	PHOSPHATE	111.667	9854145	123473513	1	0.60
8	7.40	SULFATE	109.618	18028199	316484405	1	0.00
		Totals	520.764	189348679	1307143345		

File: 95091421.D56 Sample: A950609V2/MID - A05



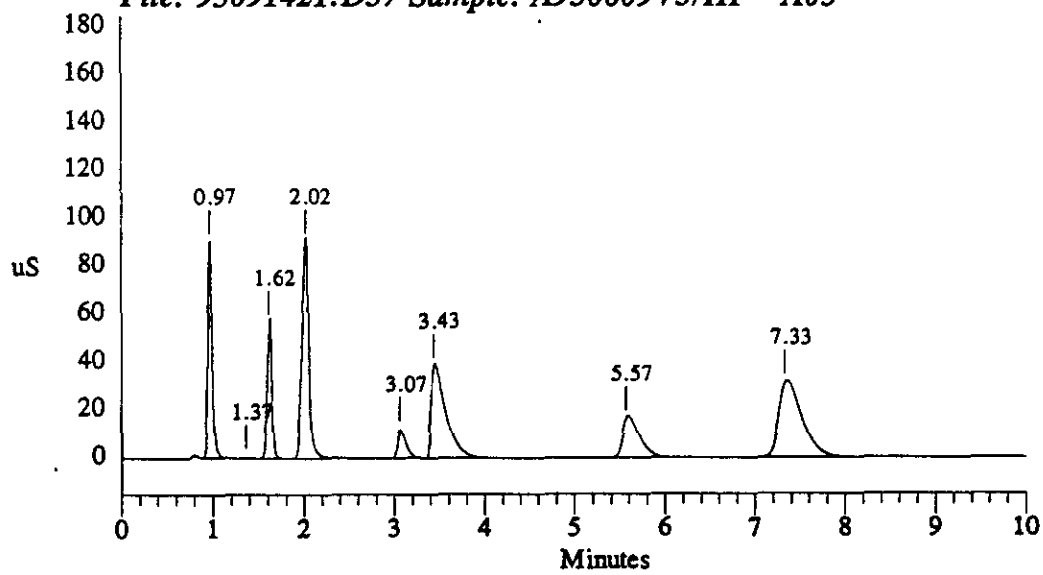
Sample Name: A950609V3/HI - A05 Date: 09/15/1995 01:47:25
Data File : C:\DX\DATA\9509142\95091421.D57
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 57 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	27.037	89885232	300530419	1	-0.68
2	1.37		0.000	150903	818278	1	
3	1.62	CHLORIDE	27.191	56017216	208978207	1	0.00
4	2.02	NITRITE	108.608	90243241	494847345	1	-0.61
5	3.07	BROMIDE	27.593	11555578	75552310	1	1.03
6	3.43	NITRATE	107.289	38007588	437846917	1	0.00
7	5.57	PHOSPHATE	110.745	15989810	225622271	1	0.37
8	7.33	SULFATE	109.068	30946954	576156998	1	0.00
		Totals	517.532	332796521	2320352745		

File: 95091421.D57 Sample: A950609V3/HI - A05

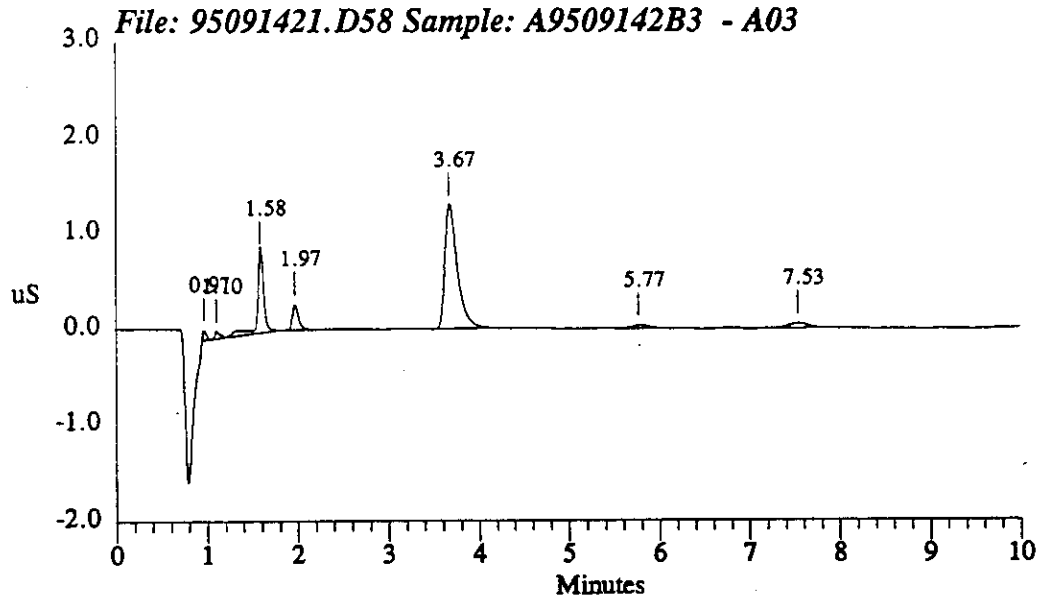


Sample Name: A9509142B3 - A03 Date: 09/15/1995 02:03:53
Data File : C:\DX\DATA\9509142\95091421.D58
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 58 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	0.106	100740	274265	1	1.41
2	1.10		0.000	72829	321112	2	
3	1.58	CHLORIDE	0.271	831711	4480333	2	0.00
4	1.97	NITRITE	0.319	268862	1657580	1	-1.04
5	3.67	NITRATE	1.120	1292752	12393658	1	0.00
6	5.77	PHOSPHATE	0.316	35227	504674	1	-2.64
7	7.53	SULFATE	0.269	53708	869624	1	0.00
		Totals	2.401	2655829	20501246		



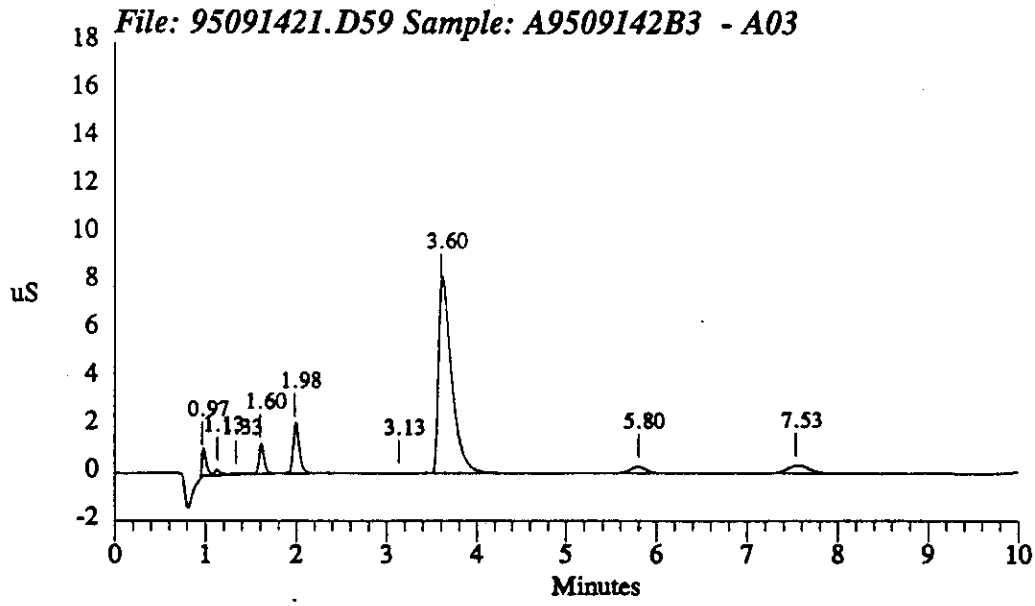
Sample Name: A9509142B3 - A03 Date: 09/15/1995 02:20:14
Data File : C:\DX\DATA\9509142\95091421.D59
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 59 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	0.188	904488	3830811	2	0.35
2	1.13		0.000	228327	1129473	2	
3	1.33		0.000	74509	915570	2	
4	1.60	CHLORIDE	0.299	1133008	5219928	2	0.00
5	1.98	NITRITE	0.804	1961955	10186659	1	-1.24
6	3.13	BROMIDE	0.026	16588	145235	1	4.30
7	3.60	NITRATE	6.110	7788116	83736417	1	0.00
8	5.80	PHOSPHATE	0.806	277585	3823722	1	-0.26
9	7.53	SULFATE	0.585	331558	6485324	1	0.00
		Totals	8.820	12716136	115473139		

File: 95091421.D59 Sample: A9509142B3 - A03



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

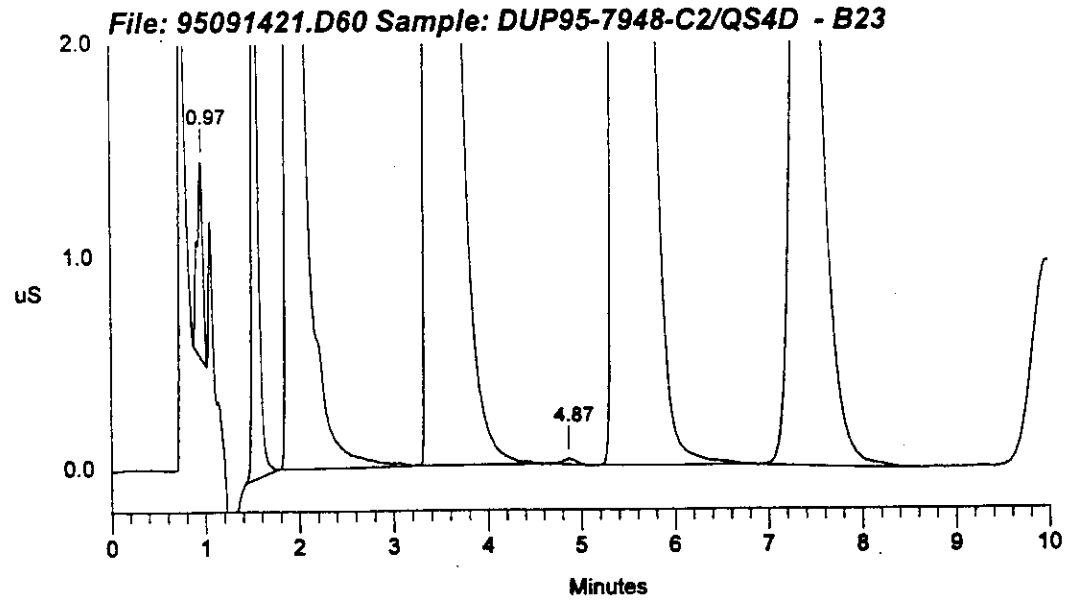
Data Reprocessed On 09/22/1995 00:54:44

Sample Name: DUP95-7948-C2/QS4D - B23 Date: 09/15/1995 02:32:50
Data File : C:\DX\DATA\9509142\95091421.D60
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 60 Vial:B23 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	3.804	928755	3918026	1	4.72
2	1.53	CHLORIDE	13.279	3589717	14971413	1	0.00
3	1.95	NITRITE	428.916	73614212	385999094	1	1.33
4	3.40	NITRATE	524.964	36692306	426193471	1	0.00
5	4.87		0.000	28560	291981	1	
6	5.43	PHOSPHATE	887.800	32481212	485195757	1	-1.07
7	7.40	SULFATE	107.630	4999848	93922733	1	0.00
		Totals	1966.394	152334609	1410492474		



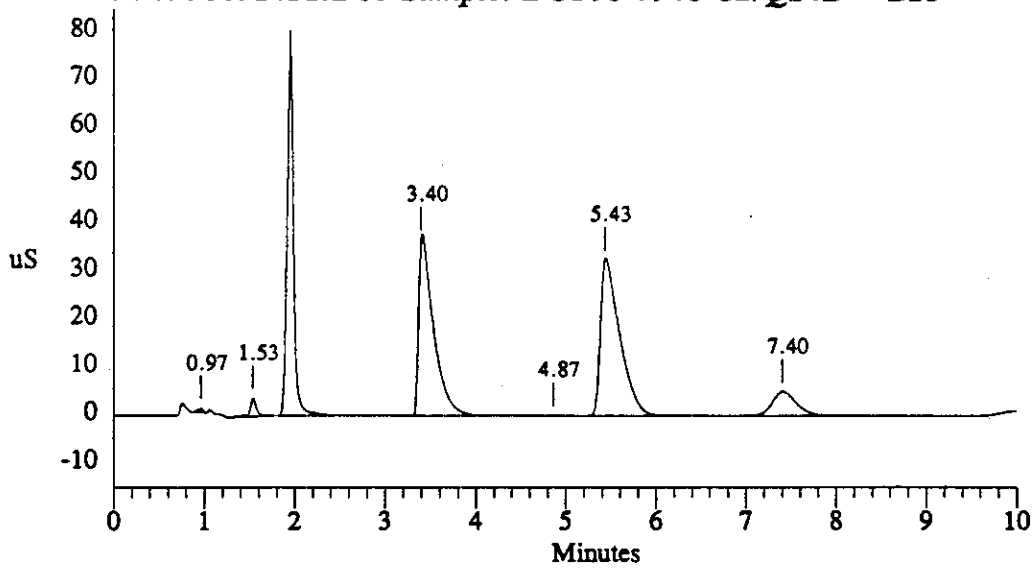
Sample Name: DUP95-7948-C2/QS4D - B23 Date: 09/15/1995 02:32:50
Data File : C:\DX\DATA\9509142\95091421.D60
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 60 Vial:B23 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	3.601	858613	3477011	1	4.72
2	1.53	CHLORIDE	16.986	3793396	19983617	1	0.00
3	1.95	NITRITE	428.916	73614212	385999094	1	1.33
4	3.40	NITRATE	524.964	36692306	426193471	1	0.00
5	4.87		0.000	28560	291981	1	
6	5.43	PHOSPHATE	887.800	32481212	485195757	1	-1.07
7	7.40	SULFATE	107.630	4999848	93922733	1	0.00
		Totals	1969.898	152468147	1415063663		

File: 95091421.D60 Sample: DUP95-7948-C2/QS4D - B23



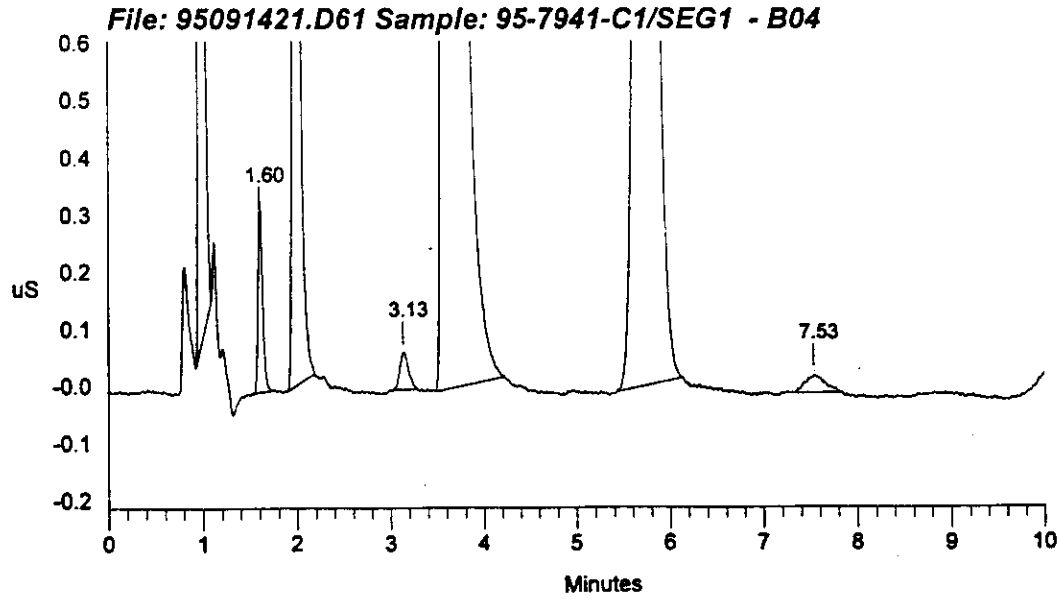
Data Reprocessed On 09/18/1995 08:28:33

Sample Name: 95-7941-C1/SEG1 - B04		Date: 09/15/1995 02:45:19
Data File : C:\DX\DATA\9509142\95091421.D61		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 61 Vial:B04		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	0.97	FLUORIDE	67.969	6281105	25271085	1	0.35
2	1.60	CHLORIDE	14.509	304875	1139063	1	0.00
3	1.98	NITRITE	91.834	2518118	12195992	1	-1.24
4	3.13	BROMIDE	5.596	63118	423418	1	4.30
5	3.60	NITRATE	567.068	7411480	77290963	1	0.00
6	5.73	PHOSPHATE	669.728	3644695	45163249	1	-1.41
7	7.53	SULFATE	24.452	29611	442082	1	0.00
		Totals	1441.156	20253003	161925852		



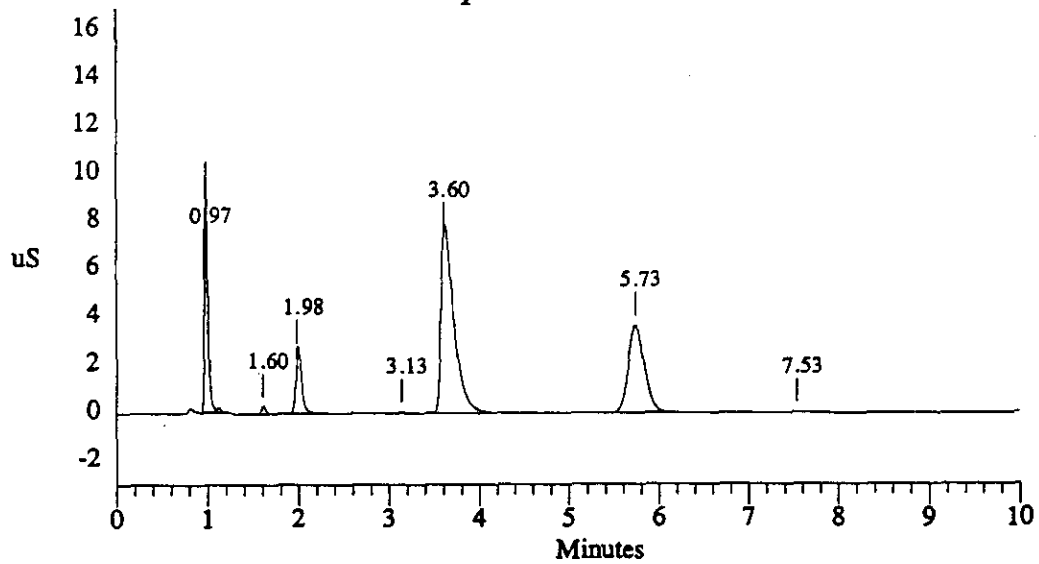
Sample Name: 95-7941-C1/SEG1 - B04 Date: 09/15/1995 02:45:19
Data File : C:\DX\DATA\9509142\95091421.D61
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 61 Vial:B04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	70.940	6308187	26570646	1	0.35
2	1.60	CHLORIDE	16.247	321947	1597853	1	0.00
3	1.98	NITRITE	95.714	2527787	12878637	1	-1.24
4	3.13	BROMIDE	6.371	67045	496643	1	4.30
5	3.60	NITRATE	573.439	7416657	78223101	1	0.00
6	5.73	PHOSPHATE	686.222	3660025	46362991	1	-1.41
7	7.53	SULFATE	24.673	31548	481126	1	0.00
		Totals	1473.606	20333195	166610998		

File: 95091421.D61 Sample: 95-7941-C1/SEG1 - B04



Data Reprocessed On 09/18/1995 08:30:03

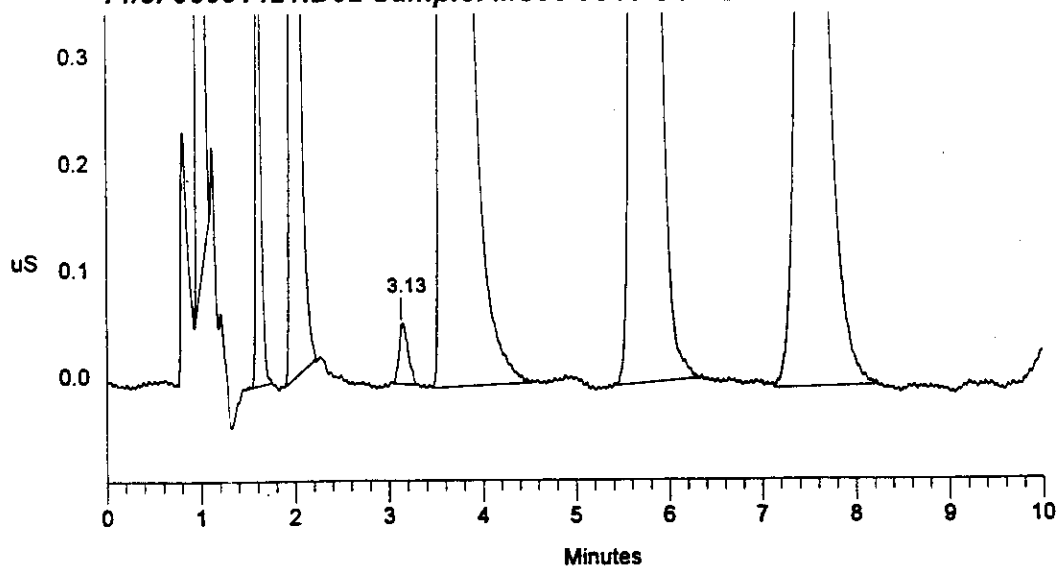
Sample Name: MS95-7941-C4 - B06	Date: 09/15/1995 02:57:45
Data File : C:\DX\DATA\9509142\95091421.D62	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 62 Vial:B06	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A

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	0.98	FLUORIDE	69.074	10113682	25754604	1	1.03
2	1.62	CHLORIDE	17.537	571247	1938494	1	0.00
3	2.00	NITRITE	114.650	3683406	16211205	1	-1.43
4	3.13	BROMIDE	5.137	50934	380184	1	3.23
5	3.60	NITRATE	652.194	8323720	89802812	1	0.00
6	5.73	PHOSPHATE	670.395	3589210	45211684	1	-1.41
7	7.53	SULFATE	140.764	1163189	21152137	1	0.00
		Totals	1669.751	27495389	200451120		

File: 95091421.D62 Sample: MS95-7941-C4 - B06



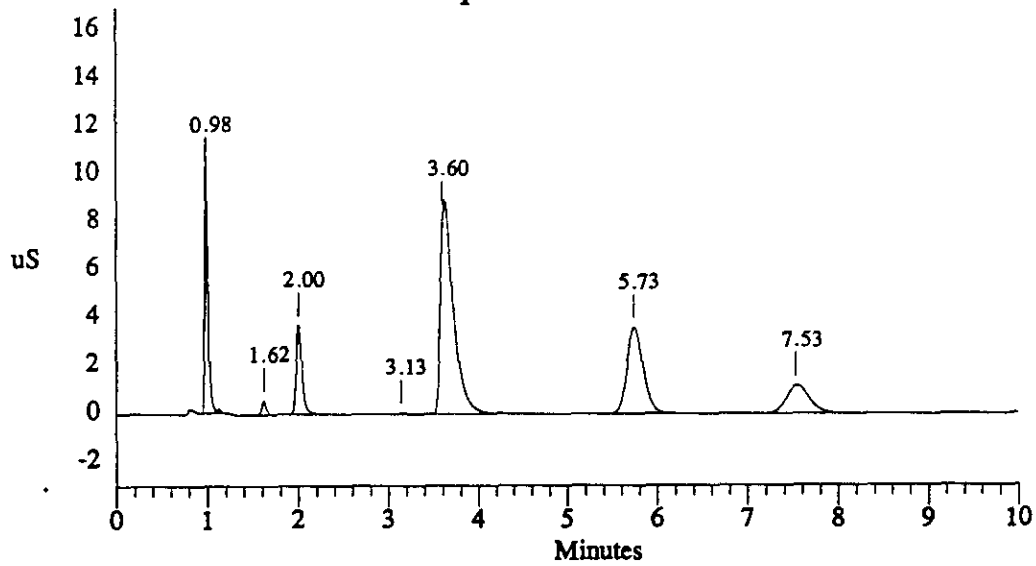
Sample Name: MS95-7941-C4 - B06 Date: 09/15/1995 02:57:45
Data File : C:\DX\DATA\9509142\95091421.D62
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 62 Vial:B06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	71.212	10142205	26689771	1	1.03
2	1.62	CHLORIDE	19.466	590412	2448200	1	0.00
3	2.00	NITRITE	118.449	3692422	16880007	1	-1.43
4	3.13	BROMIDE	6.102	55014	471224	1	3.23
5	3.60	NITRATE	655.328	8324413	90265922	1	0.00
6	5.73	PHOSPHATE	677.569	3592946	45733300	1	-1.41
7	7.53	SULFATE	140.064	1159583	21026664	1	0.00
		Totals	1688.190	27556995	203515089		

File: 95091421.D62 Sample: MS95-7941-C4 - B06



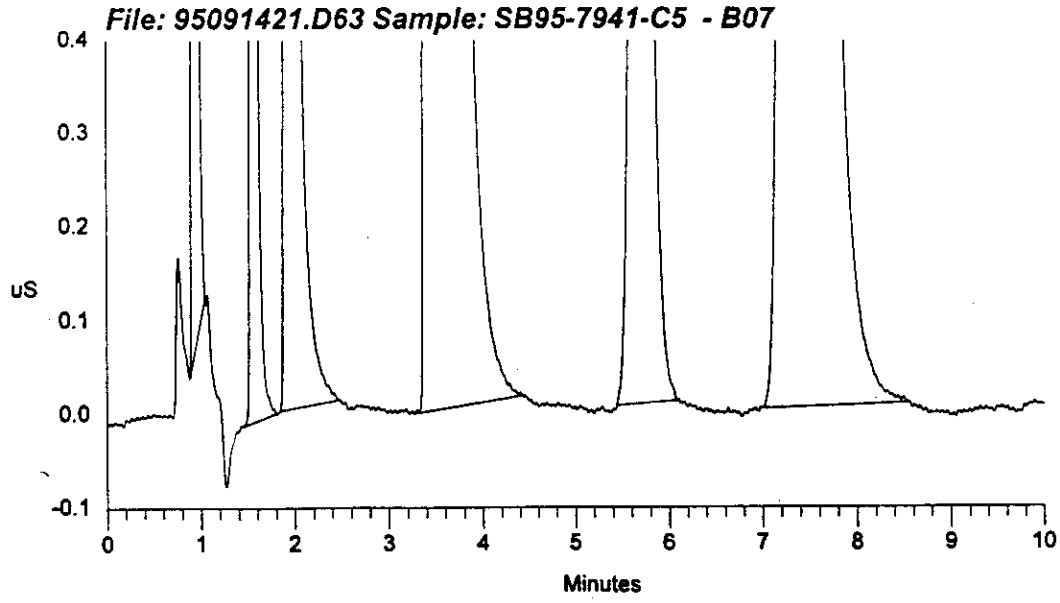
Data Reprocessed On 09/18/1995 08:35:02

Sample Name: SB95-7941-C5 - B07	Date: 09/15/1995 03:10:34
Data File : C:\DX\DATA\9509142\95091421.D63	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 63 Vial:B07	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	5.337	7232537	18892727	1	-1.05
2	1.57	CHLORIDE	6.185	3957262	13748117	1	0.00
3	1.95	NITRITE	48.043	17781793	80985863	1	-0.83
4	3.43	NITRATE	216.386	26447410	337498987	1	0.00
5	5.70	PHOSPHATE	36.415	1852605	23366290	1	2.77
6	7.37	SULFATE	156.021	16469621	298330130	1	0.00
		Totals	468.388	73741228	772822114		



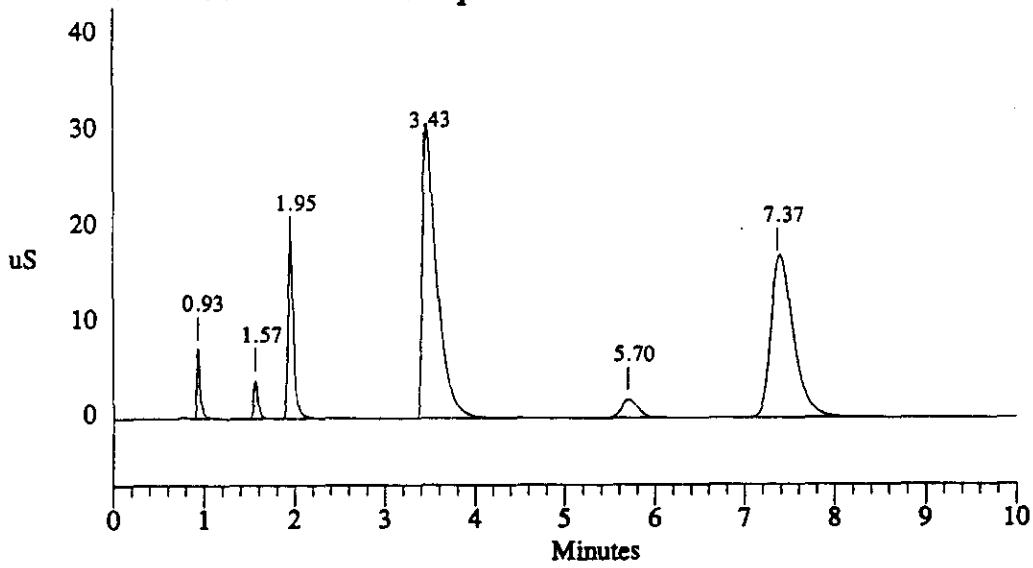
Sample Name: SB95-7941-C5 - B07 Date: 09/15/1995 03:10:34
Data File : C:\DX\DATA\9509142\95091421.D63
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 63 Vial:B07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	5.485	7256963	19537386	1	-1.05
2	1.57	CHLORIDE	6.433	3980230	14413839	1	0.00
3	1.95	NITRITE	48.215	17786466	81292779	1	-0.83
4	3.43	NITRATE	216.641	26449069	337967226	1	0.00
5	5.70	PHOSPHATE	37.214	1862741	23925891	1	2.77
6	7.37	SULFATE	156.386	16474767	299112015	1	0.00
		Totals	470.373	73810237	776249136		

File: 95091421.D63 Sample: SB95-7941-C5 - B07

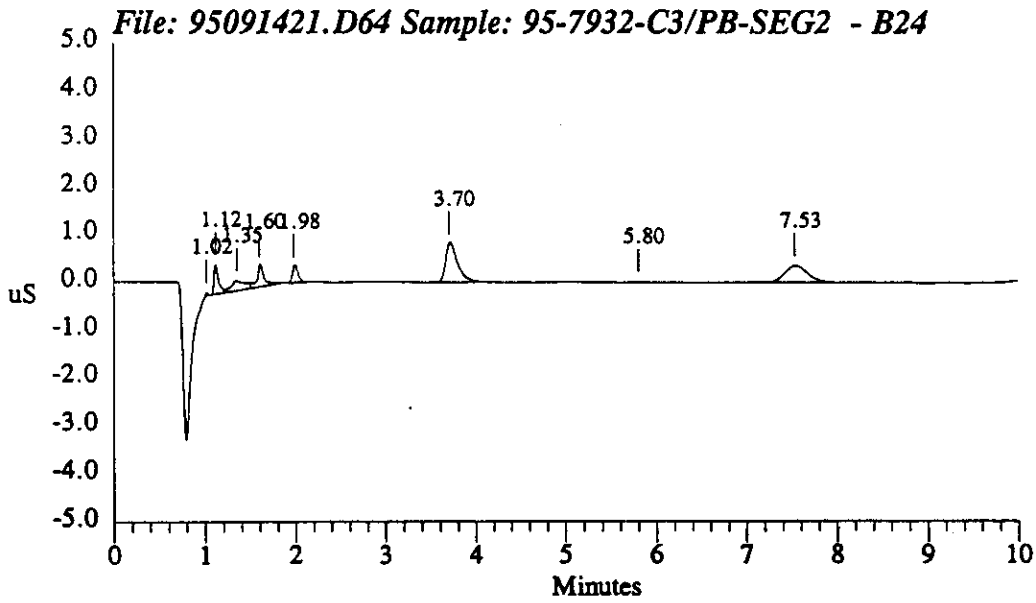


Sample Name: 95-7932-C3/PB-SEG2 - B24 Date: 09/15/1995 03:27:02
Data File : C:\DX\DATA\9509142\95091421.D64
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 64 Vial:B24 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.102	58419	89306	1	5.54
2	1.12		0.000	618235	2158537	2	
3	1.35		0.000	207117	2217930	2	
4	1.60	CHLORIDE	0.203	427006	2672354	2	0.00
5	1.98	NITRITE	0.319	332495	1668428	1	-1.24
6	3.70	NITRATE	0.808	801050	8056818	1	0.00
7	5.80	PHOSPHATE	0.276	20934	231636	1	-2.96
8	7.53	SULFATE	0.588	354526	6524571	1	0.00
		Totals	2.296	2819782	23619579		



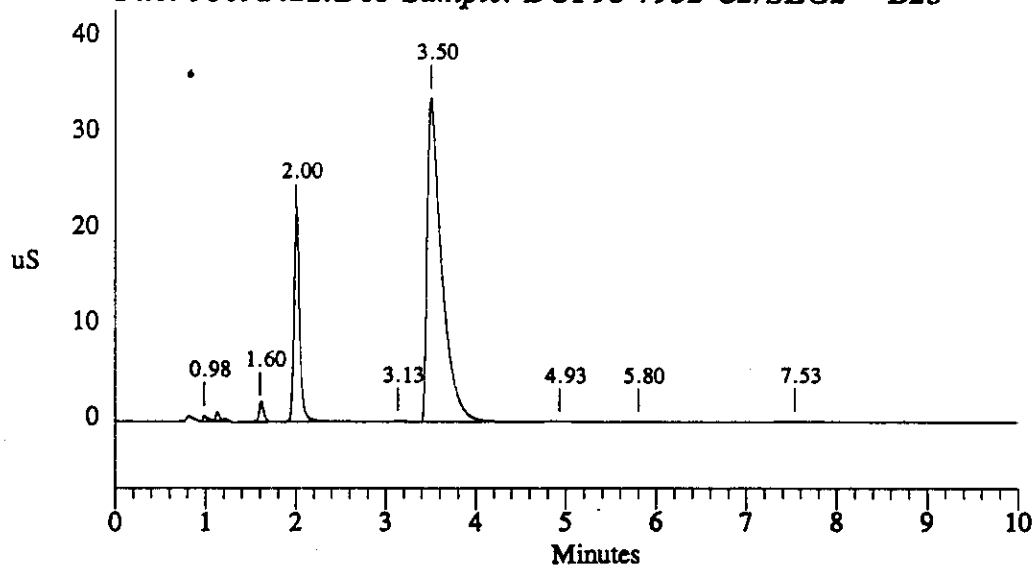
Sample Name: DUP95-7932-C2/SEG2 - B25 Date: 09/15/1995 03:39:27
Data File : C:\DX\DATA\9509142\95091421.D65
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 65 Vial:B25 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	24.120	616882	6137295	1	2.08
2	1.60	CHLORIDE	43.462	1759364	8821736	1	0.00
3	2.00	NITRITE	573.319	21398656	97559259	1	-0.41
4	3.13	BROMIDE	8.237	99899	672774	1	4.30
5	3.50	NITRATE	2365.737	33849993	375345311	1	0.00
6	4.93		0.000	28577	284039	1	
7	5.80	PHOSPHATE	32.483	38841	564195	1	2.59
8	7.53	SULFATE	33.333	94681	2014423	1	0.00
		Totals	3080.690	57886893	491399032		

File: 95091421.D65 Sample: DUP95-7932-C2/SEG2 - B25



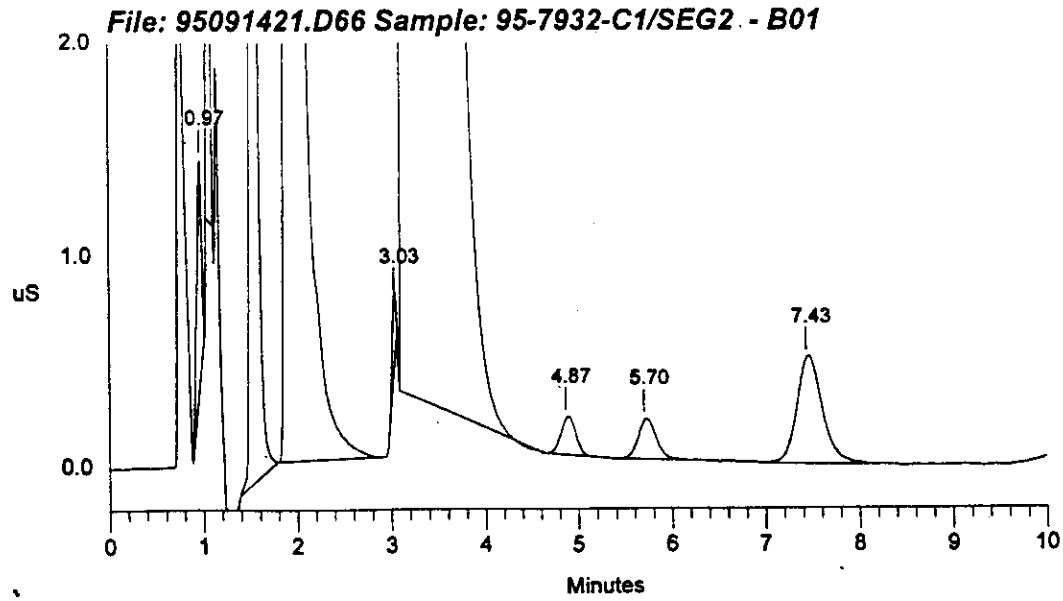
Data Reprocessed On 09/22/1995 00:35:27

Sample Name: 95-7932-C1/SEG2 - B01		Date: 09/15/1995 03:52:04	
Data File : C:\DX\DATA\9509142\95091421.D66			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 66 Vial:B01			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	3.820	1055212	3951518	1	5.07
2	1.08		0.000	2302773	9312333	1	
3	1.53	CHLORIDE	34.370	9521394	44025656	1	0.00
4	1.97	NITRITE	588.583	93321081	538948017	1	2.19
5	3.03	BROMIDE	2.228	337764	947196	1	5.36
6	3.20	NITRATE	358.923	168634309	2422088842	1	0.00
7	4.87		0.000	162727	1960010	1	
8	5.70	PHOSPHATE	12.379	176878	2552718	1	4.66
9	7.43	SULFATE	15.220	489206	9606908	1	0.00
		Totals	1015.523	276001344	3033393198		



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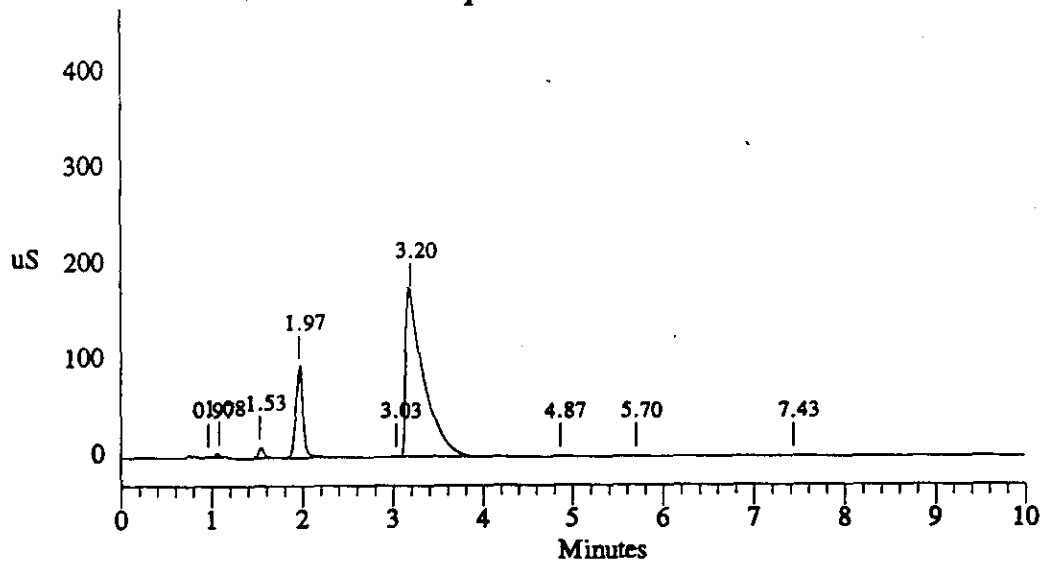
Sample Name: 95-7932-C1/SEG2  - B01          Date: 09/15/1995 03:52:04
Data File  : C:\DX\DATA\9509142\95091421.D66
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 66  Vial:B01        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	3.820	1055212	3951518	1	4.72
2	1.08		0.000	2302773	9312333	1	
3	1.53	CHLORIDE	37.756	9719260	48817083	1	0.00
4	1.97	NITRITE	588.583	93321081	538948017	1	2.19
5	3.03	BROMIDE	2.228	337764	947196	1	5.36
6	3.20	NITRATE	379.970	168263174	2403758730	1	0.00
7	4.87	PHOSPHATE	10.628	162727	1960010	1	-5.85
8	5.70		0.000	177380	2669577	1	
9	7.43	SULFATE	15.220	489206	9606908	1	0.00
		Totals	1038.204	275828578	3019971371		

File: 95091421.D66 Sample: 95-7932-C1/SEG2 - B01



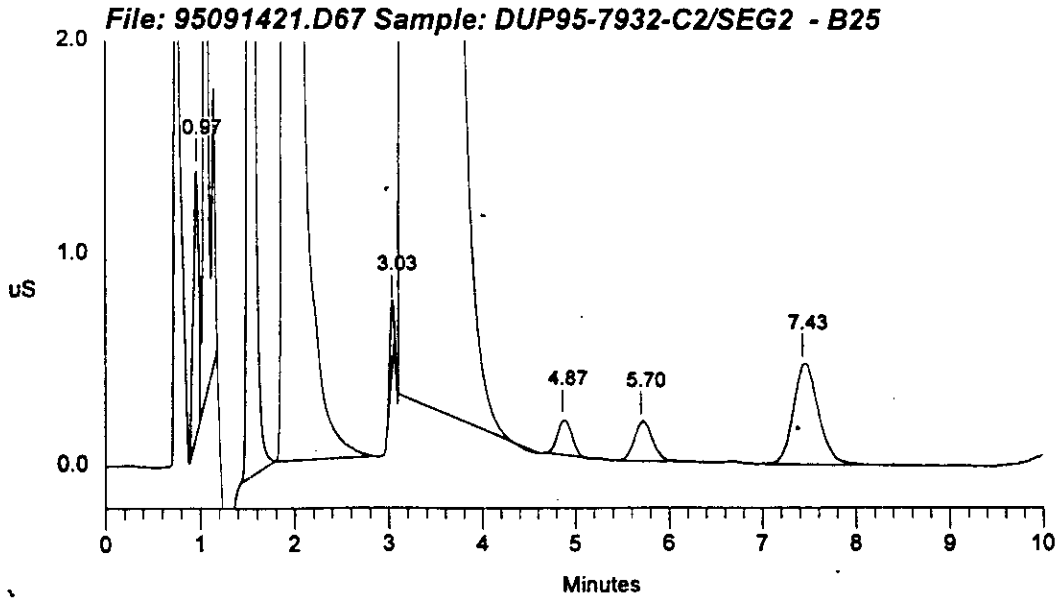
Data Reprocessed On 09/22/1995 00:37:54

Sample Name: DUP95-7932-C2/SEG2 - B25	Date: 09/15/1995 04:04:40	
Data File : C:\DX\DATA\9509142\95091421.D67		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 67 Vial:B25		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	4.227	1237147	4838075	2	5.07
2	1.07		0.000	4419667	16117996	2	
3	1.53	CHLORIDE	32.707	9386545	41685904	1	0.00
4	1.97	NITRITE	564.360	92426195	515442889	1	2.19
5	3.03	BROMIDE	2.085	318275	879615	1	5.36
6	3.20	NITRATE	488.278	164150489	2303890848	1	0.00
7	4.87		0.000	156276	1760540	1	
8	5.70	PHOSPHATE	12.505	177726	2595240	1	4.66
9	7.43	SULFATE	14.586	466707	9042973	1	0.00
		Totals	1118.748	272739026	2896254080		



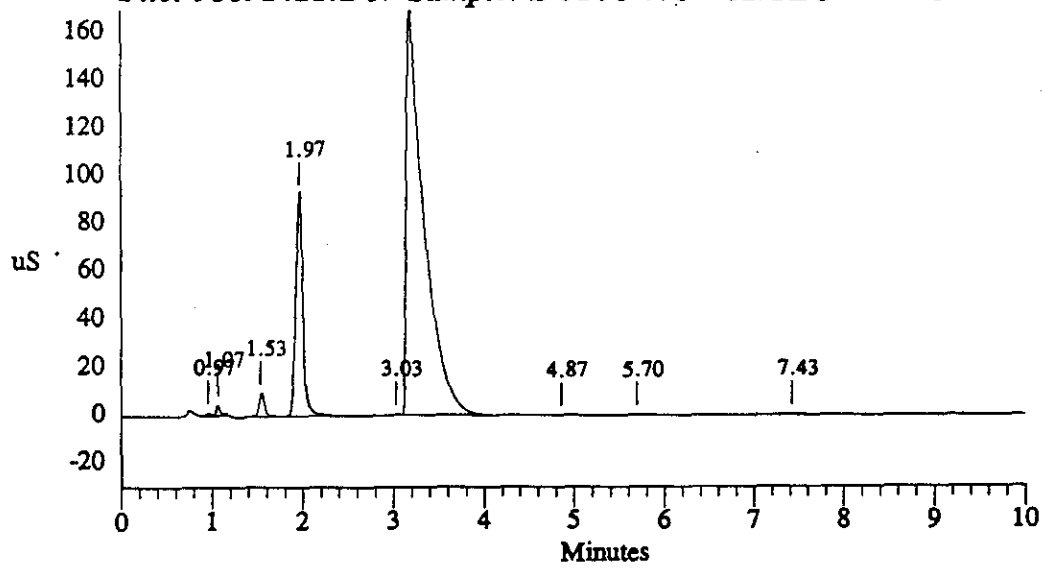
Sample Name: DUP95-7932-C2/SEG2 - B25 Date: 09/15/1995 04:04:40
Data File : C:\DX\DATA\9509142\95091421.D67
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 67 Vial:B25 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	4.227	1237147	4838075	2	4.72
2	1.07		0.000	4419667	16117996	2	
3	1.53	CHLORIDE	36.939	9631842	47656718	1	0.00
4	1.97	NITRITE	564.360	92426195	515442889	1	2.19
5	3.03	BROMIDE	2.085	318275	879615	1	5.36
6	3.20	NITRATE	488.278	164150489	2303890848	1	0.00
7	4.87	PHOSPHATE	10.038	156276	1760540	1	-5.85
8	5.70		0.000	177726	2595240	1	
9	7.43	SULFATE	14.586	466707	9042973	1	0.00
		Totals	1120.512	272984324	2902224894		

File: 95091421.D67 Sample: DUP95-7932-C2/SEG2 - B25



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

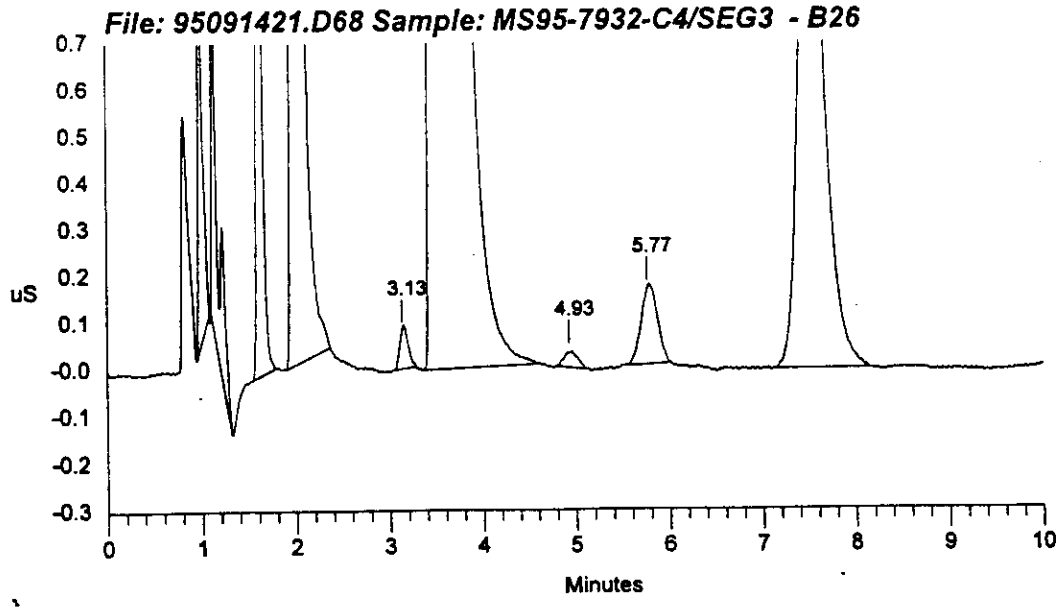
Data Reprocessed On 09/18/1995 08:40:25

Sample Name: MS95-7932-C4/SEG3 - B26	Date: 09/15/1995 04:17:07	
Data File : C:\DX\DATA\9509142\95091421.D68		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 68 Vial:B26		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	0.98	FLUORIDE	16.902	794447	2996133	1	1.03
2	1.15		0.000	603888	3407740	1	
3	1.62	CHLORIDE	40.540	2231027	8042426	1	0.00
4	2.02	NITRITE	572.431	22479803	97400621	1	-0.61
5	3.13	BROMIDE	7.206	79853	575425	1	3.23
6	3.50	NITRATE	2387.626	33904543	379537790	1	0.00
7	4.93		0.000	32133	345502	1	
8	5.77	PHOSPHATE	54.660	160120	2062977	1	2.00
9	7.53	SULFATE	158.463	1343873	24325934	1	0.00
		Totals	3237.828	61629688	518694548		



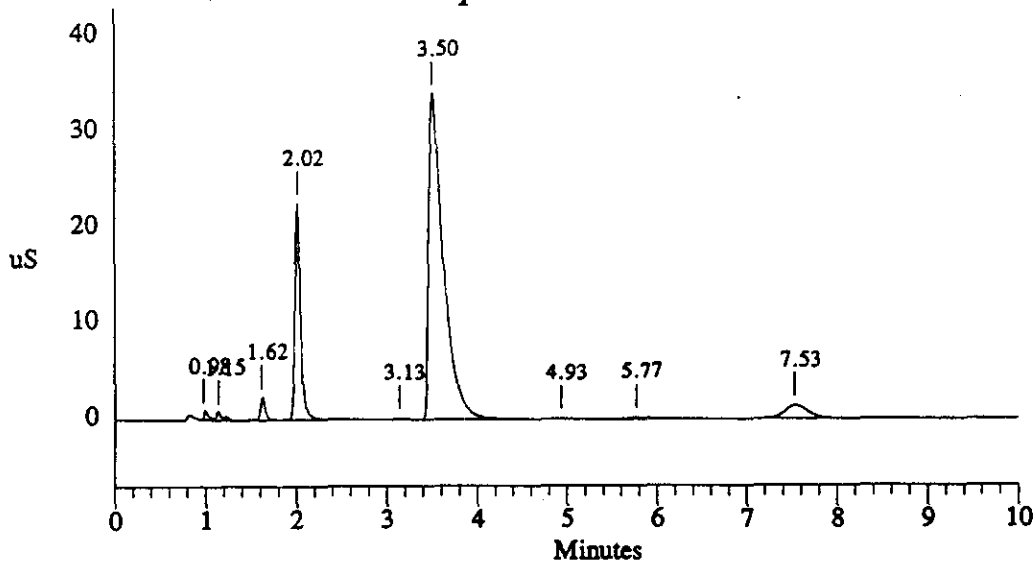
Sample Name: MS95-7932-C4/SEG3 - B26 Date: 09/15/1995 04:17:07
Data File : C:\DX\DATA\9509142\95091421.D68
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 68 Vial:B26 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	17.103	751767	3083909	2	1.03
2	1.15		0.000	694784	4194826	2	
3	1.62	CHLORIDE	45.922	2282144	9478633	1	0.00
4	2.02	NITRITE	579.068	22492373	98586711	1	-0.61
5	3.13	BROMIDE	7.623	81574	614846	1	3.23
6	3.50	NITRATE	2388.638	33905039	379732186	1	0.00
7	4.93		0.000	33854	366216	1	
8	5.77	PHOSPHATE	64.238	172358	2711323	1	2.00
9	7.53	SULFATE	159.937	1347064	24590519	1	0.00
		Totals	3262.530	61760956	523359170		

File: 95091421.D68 Sample: MS95-7932-C4/SEG3 - B26



Data Reprocessed On 09/21/1995 00:36:25

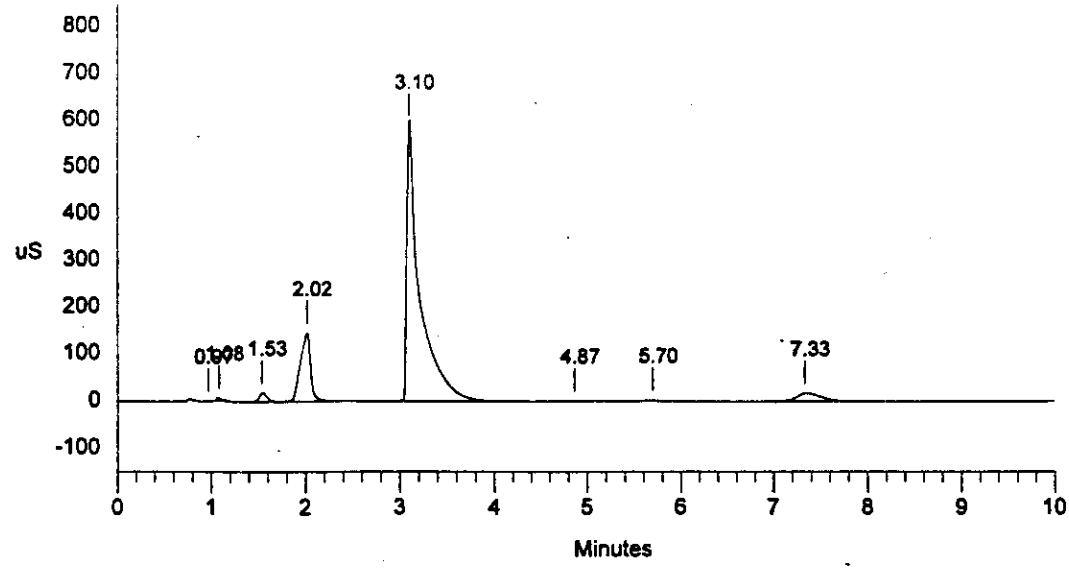
Sample Name: MS95-7932-C4/SEG2 - B26		Date: 09/15/1995 04:29:56
Data File : C:\DX\DATA\9509142\95091421.d69		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 69 Vial:B26		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A	

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	2.021	1293732	4433780	1	4.72
2	1.08		0.000	6888588	26143578	1	
3	1.53	CHLORIDE	38.330	18801962	106784938	1	0.00
4	2.02	NITRITE	569.820	145191351	1107374592	1	4.79
5	3.10	BROMIDE	-58534.541	589340455	5706624892	1	7.68
6	4.87		0.000	306253	3575567	1	
7	5.70	PHOSPHATE	41.475	2159845	26920434	1	1.79
8	7.33	SULFATE	168.318	17361328	324967824	1	0.00
		Totals	-57714.578	781343513	7306825603		

File: 95091421.d69 Sample: MS95-7932-C4/SEG2 - B26



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

Data Reprocessed On 09/18/1995 08:37:02

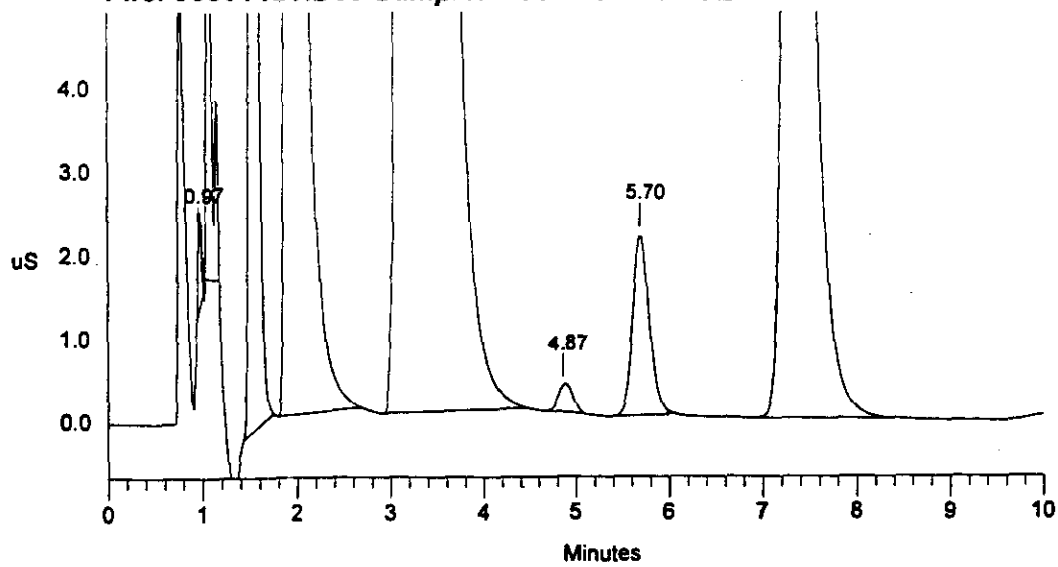
Sample Name: MS95-7932-C4/SEG3 - B26	Date: 09/15/1995 04:29:56
Data File : C:\DX\DATA\9509142\95091421.D69	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 69 Vial:B26	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	1.649	879643	2815834	1	4.72
2	1.08		0.000	6888588	26143578	1	
3	1.53	CHLORIDE	38.708	18850910	107973249	1	0.00
4	2.02	NITRITE	572.355	145260705	1112945580	1	4.79
5	3.10	BROMIDE	-58534.541	589340455	5706624892	1	7.68
6	4.87		0.000	306253	3575567	1	
7	5.70	PHOSPHATE	41.539	2161532	26965866	1	1.79
8	7.33	SULFATE	168.318	17361328	324967824	1	0.00
		Totals	-57711.972	781049415	7312012388		

File: 95091421.D69 Sample: MS95-7932-C4/SEG3 - B26



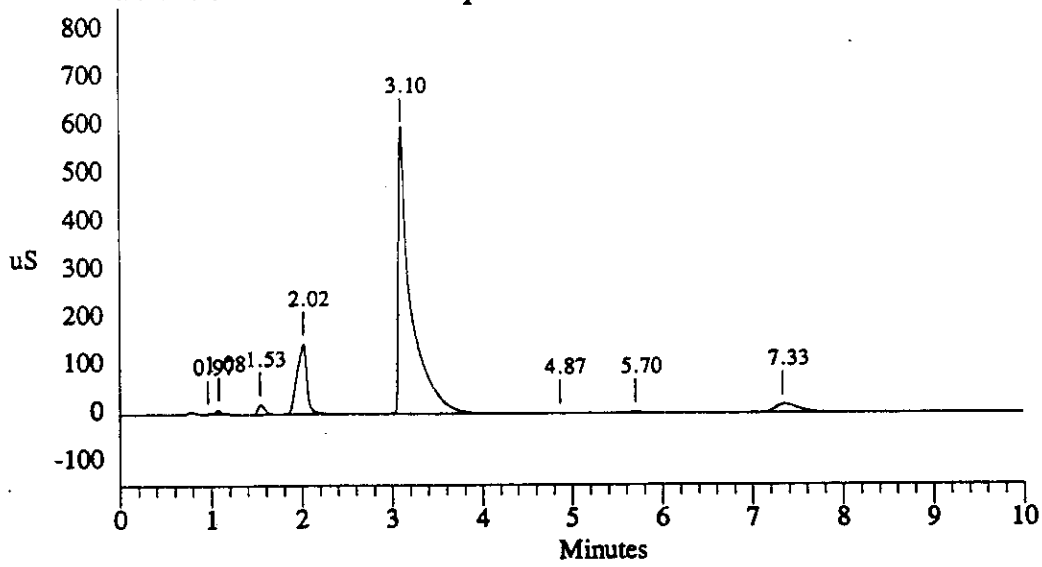
Sample Name: MS95-7932-C4/SEG3 - B26 Date: 09/15/1995 04:29:56
Data File : C:\DX\DATA\9509142\95091421.D69
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 69 Vial:B26 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	2.610	1713288	6997690	2	4.72
2	1.08		0.000	7484457	30300631	2	
3	1.53	CHLORIDE	41.202	19247570	115858170	1	0.00
4	2.02	NITRITE	573.499	145279561	1115462095	1	4.79
5	3.10	BROMIDE	-58572.065	589344123	5708363776	1	7.68
6	4.87		0.000	310195	3690638	1	
7	5.70	PHOSPHATE	43.640	2182194	28448031	1	1.79
8	7.33	SULFATE	168.669	17365113	325736917	1	0.00
		Totals	-57742.445	782926502	7334857948		

File: 95091421.D69 Sample: MS95-7932-C4/SEG3 - B26



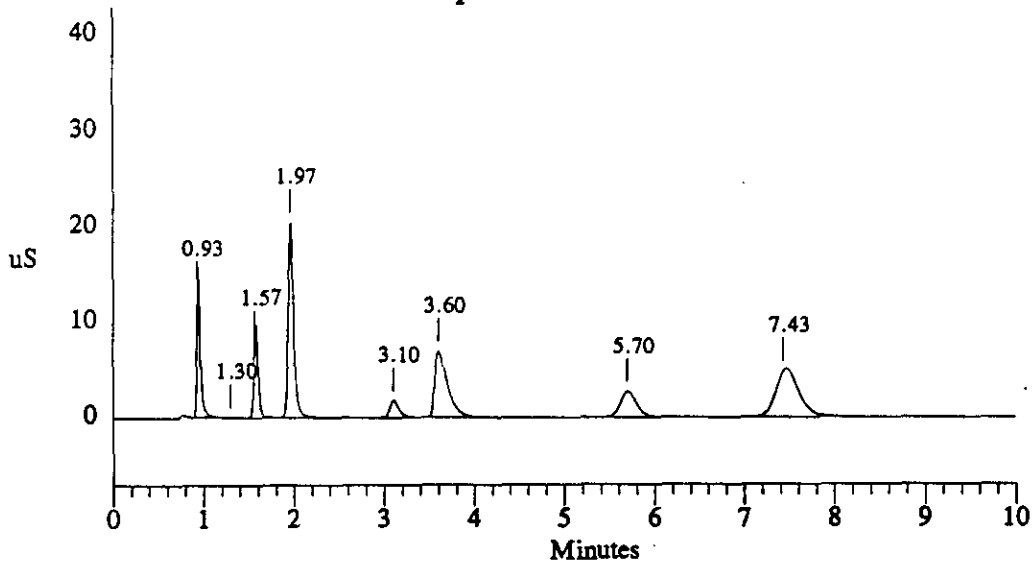
Sample Name: A950609V1/LO - A06 Date: 09/15/1995 04:42:32
Data File : C:\DX\DATA\9509142\95091421.D70
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 70 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	21.662	12891470	42955116	3	-1.05
2	1.30		0.000	64837	435280	4	
3	1.57	CHLORIDE	25.671	7803409	31881699	1	0.00
4	1.97	NITRITE	104.569	20525552	88547863	1	0.02
5	3.10	BROMIDE	27.234	1792962	13042672	1	5.39
6	3.60	NITRATE	101.839	6931737	68854761	1	0.00
7	5.70	PHOSPHATE	104.221	2687077	34461700	1	-1.98
8	7.43	SULFATE	103.806	4903484	90346086	1	0.00
		Totals	489.004	57600530	370525177		

File: 95091421.D70 Sample: A950609V1/LO - A06



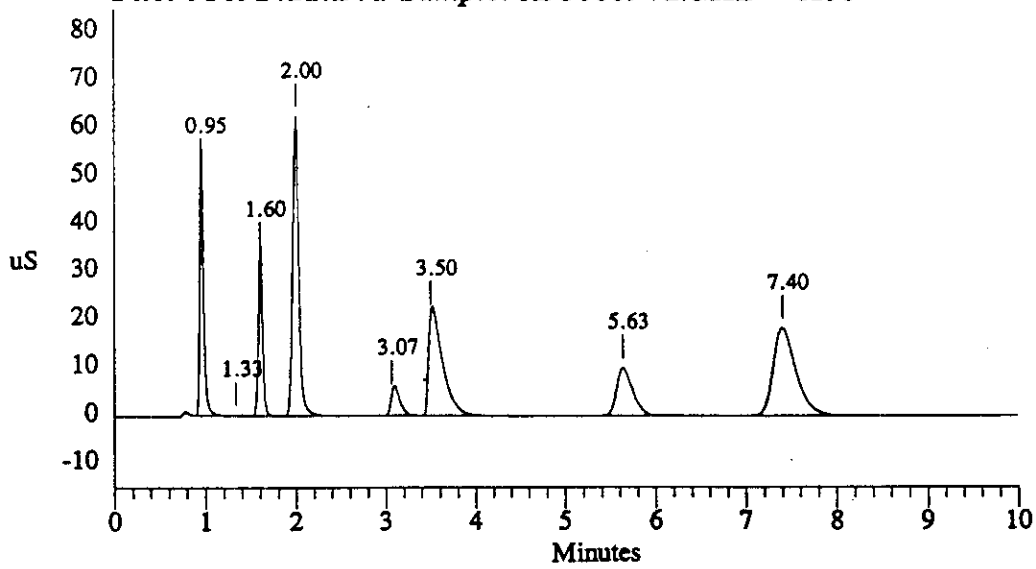
Sample Name: A950609V2/MID - A06 Date: 09/15/1995 04:55:34
Data File : C:\DX\DATA\9509142\95091421.D71
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 71 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	25.615	50856584	166038452	2	-1.38
2	1.33		0.000	126012	739198	2	
3	1.60	CHLORIDE	27.481	33540533	115919842	1	0.00
4	2.00	NITRITE	110.393	62547482	294584290	1	-0.41
5	3.07	BROMIDE	28.117	4576411	43100726	1	2.08
6	3.50	NITRATE	108.211	21150127	242501146	1	0.00
7	5.63	PHOSPHATE	112.424	9941305	124428268	1	-0.36
8	7.40	SULFATE	110.399	18222419	319033951	1	0.00
		Totals	522.639	200960873	1306345874		

File: 95091421.D71 Sample: A950609V2/MID - A06



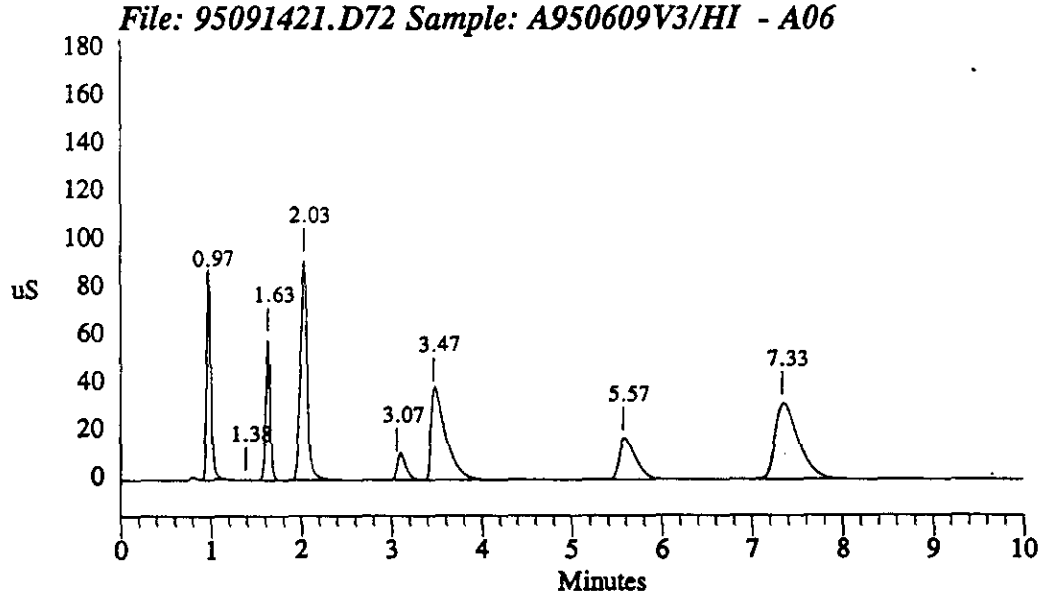
Sample Name: A950609V3/HI - A06 Date: 09/15/1995 05:08:59
Data File : C:\DX\DATA\9509142\95091421.D72
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 72 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.197	73576760	290689549	1	-1.69
2	1.38		0.000	154411	769739	1	
3	1.63	CHLORIDE	27.108	58623572	208178443	1	0.00
4	2.03	NITRITE	108.327	91934615	493492402	1	-0.81
5	3.07	BROMIDE	27.589	8071615	75536458	1	0.00
6	3.47	NITRATE	106.456	37588538	433601899	1	0.00
7	5.57	PHOSPHATE	110.602	16719043	225244745	1	-0.60
8	7.33	SULFATE	108.916	31568073	575141194	1	0.00
		Totals	515.194	318236626	2302654428		

File: 95091421.D72 Sample: A950609V3/HI - A06

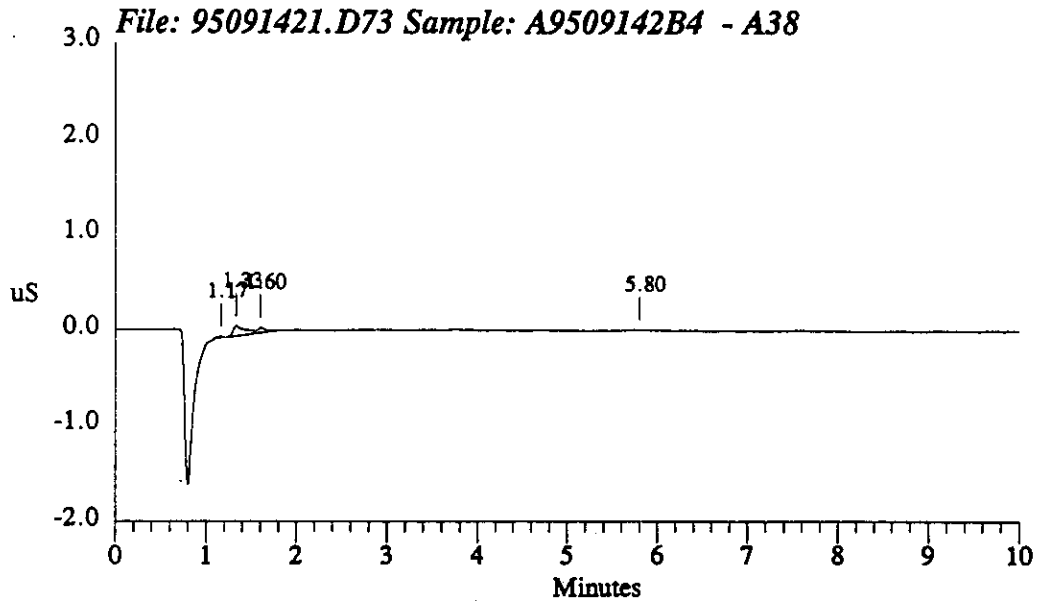


Sample Name: A9509142B4 - A38 Date: 09/15/1995 05:25:27
Data File : C:\DX\DATA\9509142\95091421.D73
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 73 Vial:A38 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	18871	74923	1	
2	1.33		0.000	106726	991321	2	
3	1.60	CHLORIDE	0.114	53991	311807	2	0.00
4	5.80	PHOSPHATE	0.275	11366	229444	1	3.57
		Totals	0.389	190954	1607495		

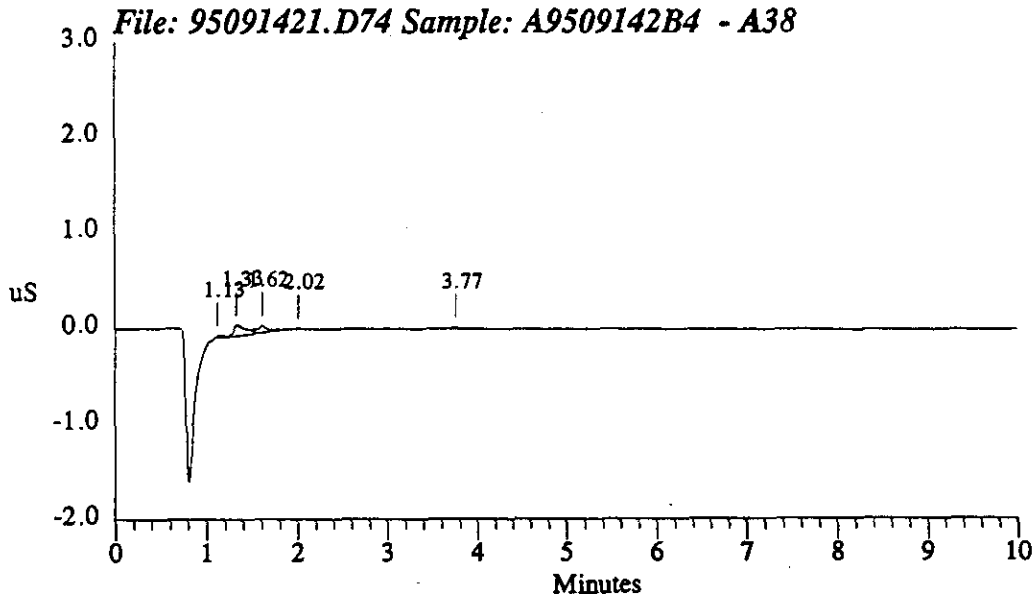


Sample Name: A9509142B4 - A38 Date: 09/15/1995 05:41:54
Data File : C:\DX\DATA\9509142\95091421.D74
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 74 Vial:A38 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.13		0.000	16320	83200	1	
2	1.33		0.000	116244	1085289	2	
3	1.62	CHLORIDE	0.125	74021	613414	2	0.00
4	2.02	NITRITE	0.242	16185	308271	1	-0.61
5	3.77	NITRATE	0.240	17337	207205	1	0.00
		Totals	0.607	240107	2297379		



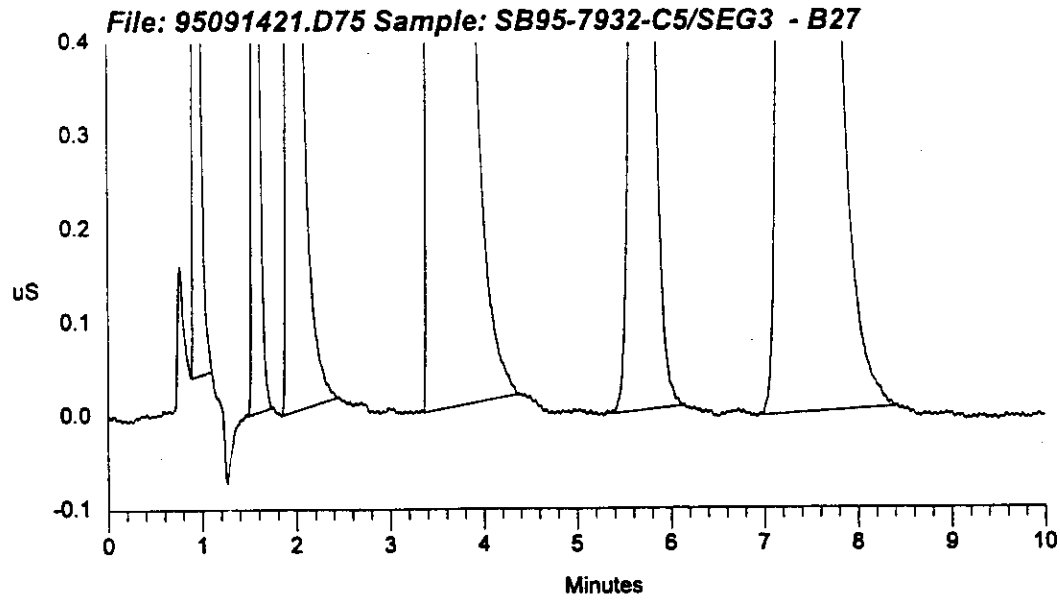
Data Reprocessed On 09/18/1995 08:53:59

Sample Name: SB95-7932-C5/SEG3 - B27	Date: 09/15/1995 05:54:42
Data File : C:\DX\DATA\9509142\95091421.D75	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 75 Vial:B27	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	5.316	6764366	18798154	1	-1.05
2	1.57	CHLORIDE	5.527	3316182	11980405	1	0.00
3	1.95	NITRITE	46.489	15416468	78218050	1	-0.83
4	3.47	NITRATE	212.773	29167103	330873301	1	0.00
5	5.70	PHOSPHATE	35.860	1824872	22977035	1	1.79
6	7.37	SULFATE	152.977	16437032	291813335	1	0.00
		Totals	458.941	72926023	754660279		



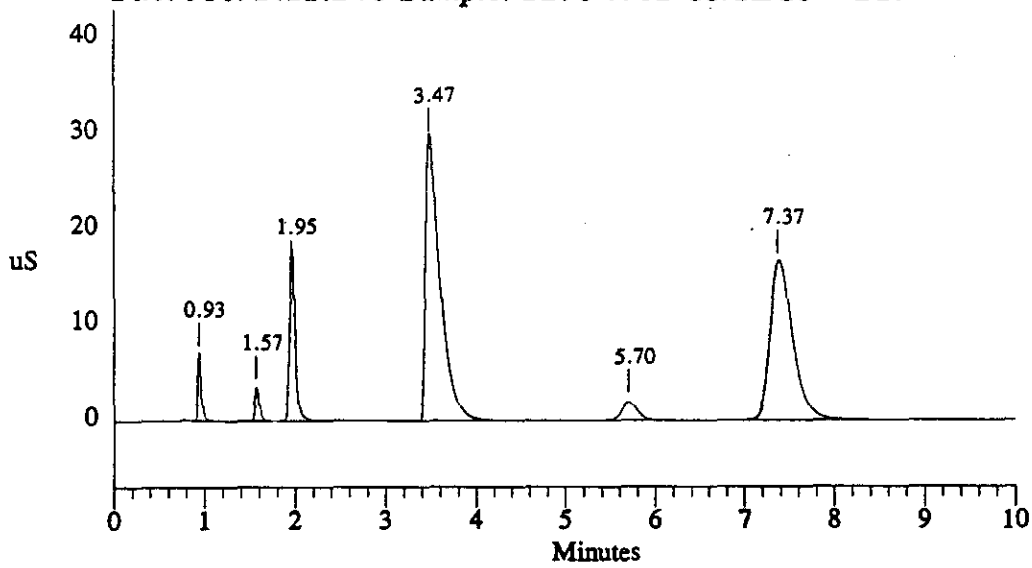
Sample Name: SB95-7932-C5/SEG3 - B27 Date: 09/15/1995 05:54:42
Data File : C:\DX\DATA\9509142\95091421.D75
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 75 Vial:B27 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	5.316	6764366	18798154	1	-1.05
2	1.57	CHLORIDE	5.865	3348308	12886397	1	0.00
3	1.95	NITRITE	46.835	15419539	78834300	1	-0.83
4	3.47	NITRATE	213.220	29169182	331690893	1	0.00
5	5.70	PHOSPHATE	36.306	1828989	23289588	1	1.79
6	7.37	SULFATE	153.434	16442355	292790035	1	0.00
		Totals	460.975	72972739	758289367		

File: 95091421.D75 Sample: SB95-7932-C5/SEG3 - B27



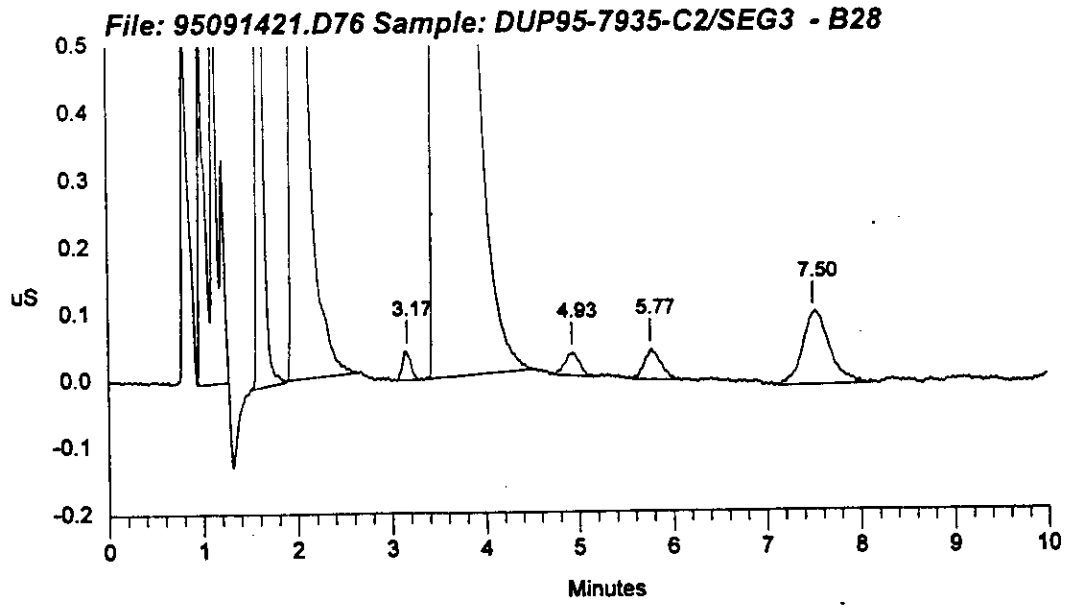
C#C-,Ÿ Data Reprocessed On 09/20/1995 12:26:29

Sample Name: DUP95-7935-C2/SEG3 - B28	Date: 09/15/1995 06:07:08
Data File : C:\DX\DATA\9509142\95091421.D76	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 76 Vial:B28	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	0.98	FLUORIDE	24.213	590127	6177652	1	1.03
2	1.62	CHLORIDE	39.552	2194444	7778860	1	0.00
3	2.00	NITRITE	592.390	20707748	100968151	1	-1.43
4	3.17	BROMIDE	3.938	40954	267057	1	4.33
5	3.50	NITRATE	2126.555	25329556	330658917	1	0.00
6	4.93		0.000	32080	370402	1	
7	5.77	PHOSPHATE	32.492	43291	564843	1	2.00
8	7.50	SULFATE	34.446	106216	2211581	1	0.00
		Totals	2853.585	49044414	448997461		



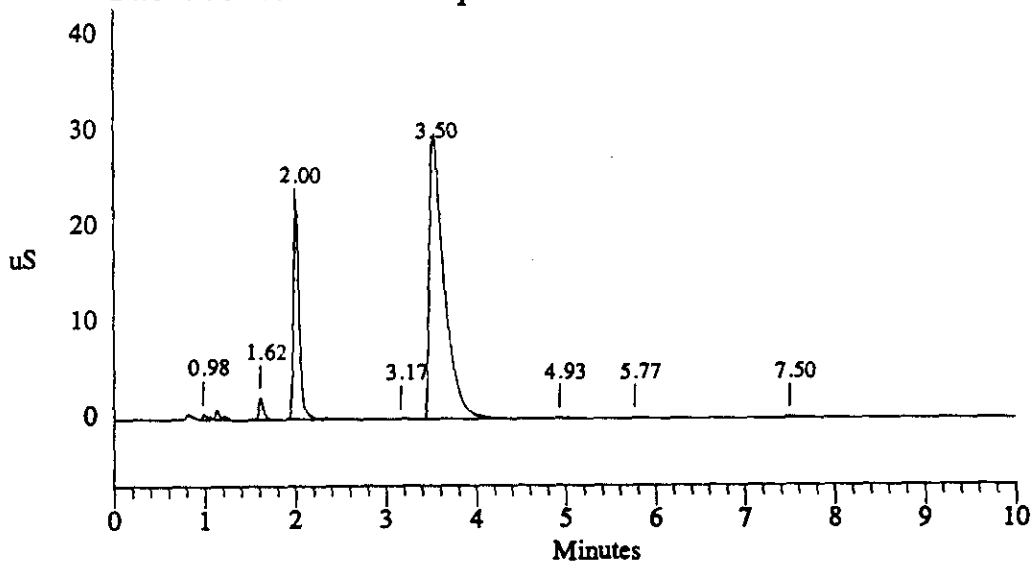
Sample Name: DUP95-7935-C2/SEG3 - B28 Date: 09/15/1995 06:07:08
Data File : C:\DX\DATA\9509142\95091421.D76
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 76 Vial:B28 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.98	FLUORIDE	24.213	590127	6177652	1	1.03
2	1.62	CHLORIDE	44.423	2241596	9078122	1	0.00
3	2.00	NITRITE	594.611	20709392	101365242	1	-1.43
4	3.17	BROMIDE	3.887	40616	262249	1	4.33
5	3.50	NITRATE	2128.243	25330425	330967384	1	0.00
6	4.93		0.000	30323	359080	1	
7	5.77	PHOSPHATE	32.492	43291	564843	1	2.00
8	7.50	SULFATE	34.446	106216	2211581	1	0.00
		Totals	2862.314	49091985	450986152		

File: 95091421.D76 Sample: DUP95-7935-C2/SEG3 - B28



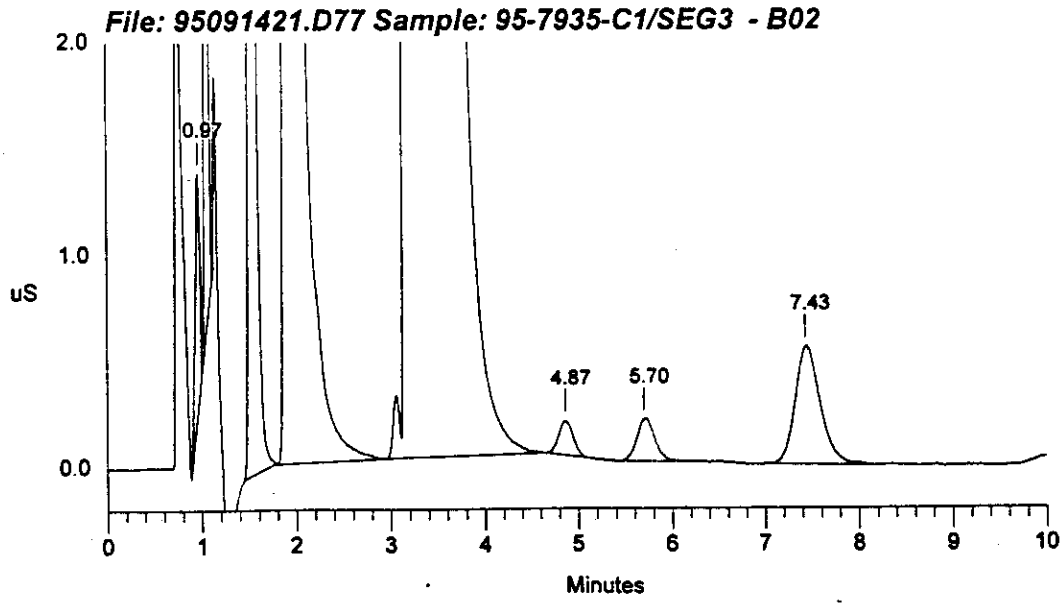
Data Reprocessed On 09/22/1995 00:40:16

Sample Name: 95-7935-C1/SEG3 - B02		Date: 09/15/1995 06:19:45	
Data File : C:\DX\DATA\9509142\95091421.D77			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 77 Vial:B02			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	3.802	1109232	3913104	2	5.07
2	1.07		0.000	4200955	11167679	2	
3	1.53	CHLORIDE	34.245	9281310	43849465	1	0.00
4	1.97	NITRITE	601.320	91012800	551351842	1	2.19
5	3.20	NITRATE	641.768	152237377	2141138392	1	0.00
6	4.87		0.000	161975	1721394	1	
7	5.70	PHOSPHATE	12.845	197789	2710379	1	4.66
8	7.43	SULFATE	16.158	555492	10442042	1	0.00
		Totals	1310.138	258756930	2766294295		



Data Reprocessed On 09/20/1995 12:26:06

C#Ce-,ÝC#Ce-,ÝC#Ce-,KRXED-, %#I @ c RX# %8# %e8c8-,K dQXEi C`:-, %# X `#

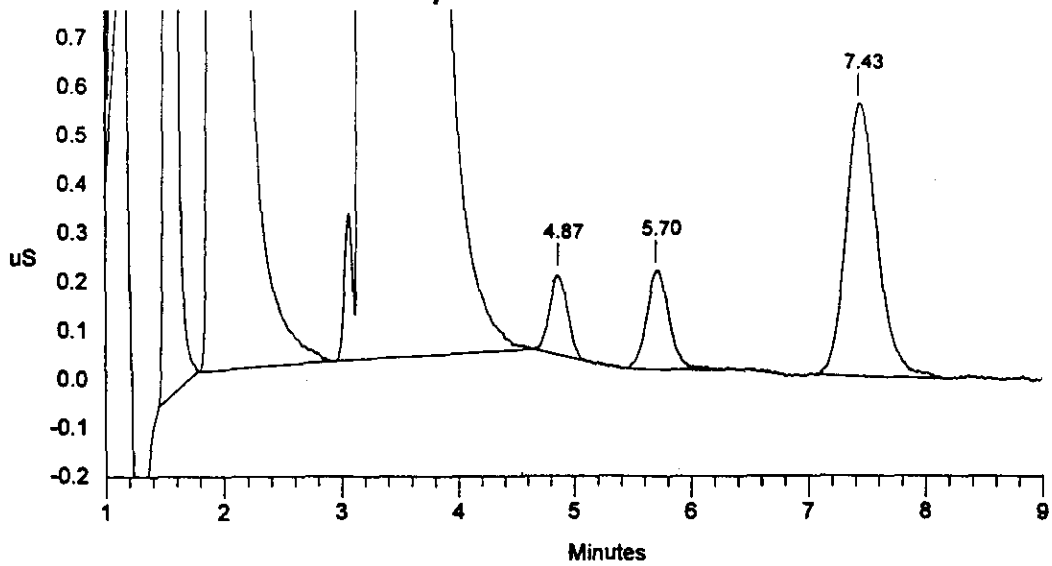
Sample Name: 95-7935-C1/SEG3 - B02	Date: 09/15/1995 06:19:45
Data File : C:\DX\DATA\9509142\95091421.D77	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 77 Vial:B02	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	1.00	9.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	3.802	1109232	3913104	2	4.72
2	1.07		0.000	4200955	11167679	2	
3	1.53	CHLORIDE	34.245	9281310	43849465	1	0.00
4	1.97	NITRITE	601.320	91012800	551351842	1	2.19
5	3.20	NITRATE	641.768	152237377	2141138392	1	0.00
6	4.87	PHOSPHATE	9.922	161975	1721394	1	-5.85
7	5.70		0.000	197789	2710379	1	
8	7.43	SULFATE	16.158	555492	10442042	1	0.0(
		Totals	1307.216	258756930	2766294295		

File: 95091421.D77 Sample: 95-7935-C1/SEG3 - B02



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Sample Name: 95-7935-C1/SEG3  - B02          Date: 09/15/1995 06:19:45
Data File  : C:\DX\DATA\9509142\95091421.D77
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 77  Vial:B02        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```
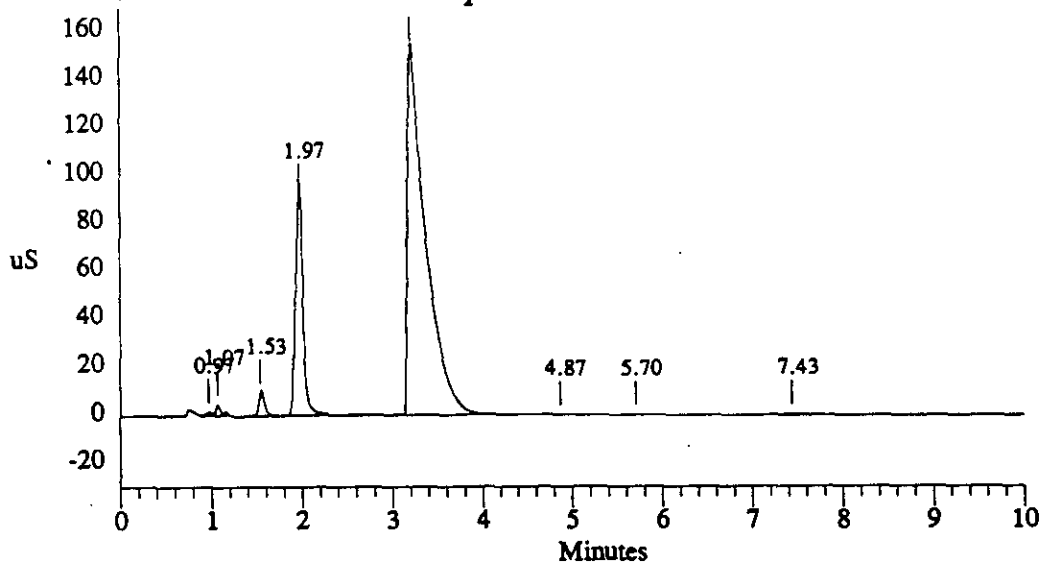

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	4.193	1283582	4764528	2	4.72
2	1.07		0.000	4602108	17000272	2	
3	1.53	CHLORIDE	38.506	9534165	49882461	1	0.00
4	1.97	NITRITE	601.320	91012800	551351842	1	2.19
5	3.20	NITRATE	641.768	152237377	2141138392	1	0.00
6	4.87	PHOSPHATE	9.922	161975	1721394	1	-5.85
7	5.70		0.000	199628	3097576	1	
8	7.43	SULFATE	16.158	555492	10442042	1	0.00
		Totals	1311.868	259587128	2779398507		

File: 95091421.D77 Sample: 95-7935-C1/SEG3 - B02



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

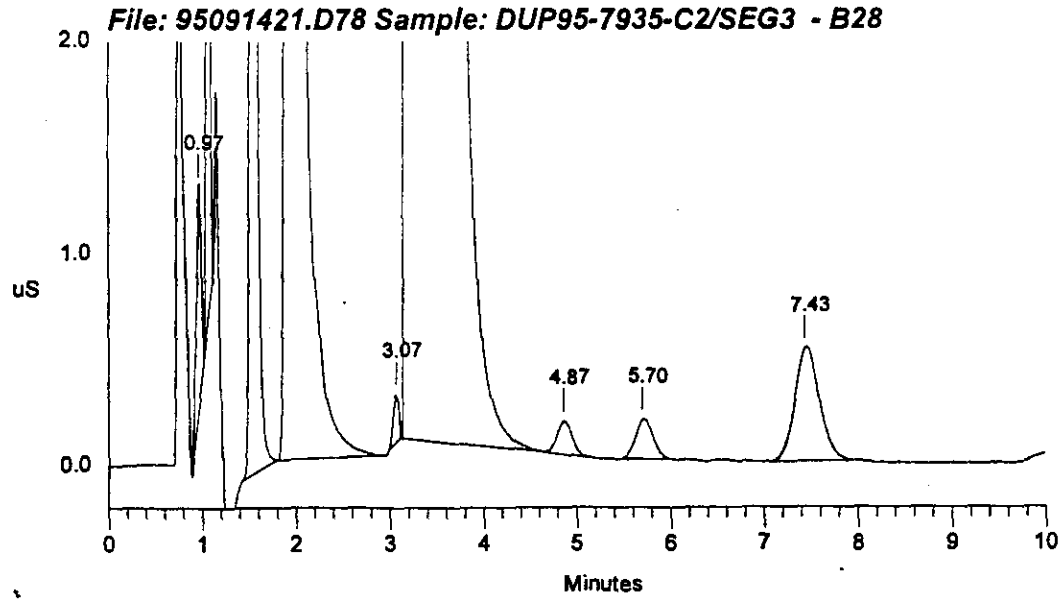
Data Reprocessed On 09/22/1995 00:41:30

Sample Name: DUP95-7935-C2/SEG3 - B28	Date: 09/15/1995 06:32:22
Data File : C:\DX\DATA\9509142\95091421.D78	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 78 Vial:B28	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	3.796	1048889	3899875	2	3.94
2	1.08		0.000	2633929	10655863	2	
3	1.55	CHLORIDE	32.790	10108296	41802798	1	0.00
4	1.97	NITRITE	576.195	86358798	526914037	1	1.09
5	3.07	BROMIDE	2.159	227219	914712	1	5.38
6	3.23	NITRATE	728.993	144833529	2031623338	1	0.00
7	4.87		0.000	158354	1728595	1	
8	5.70	PHOSPHATE	12.099	184740	2457989	1	3.58
9	7.43	SULFATE	15.369	530737	9739316	1	0.00
		Totals	1371.403	246084491	2629736522		



Data Reprocessed On 09/20/1995 12:34:22 d#da\X¯aY-,E

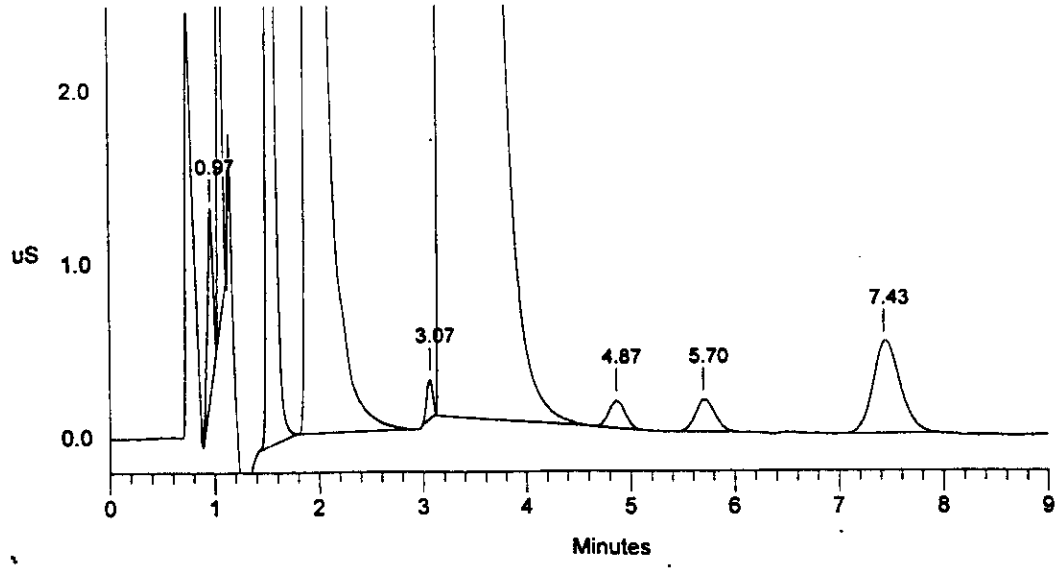
Sample Name: DUP95-7935-C2/SEG3 - B28 Date: 09/15/1995 06:32:22
Data File : C:\DX\DATA\9509142\95091421.D78
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 78 Vial:B28 Detector:PED-Cond.
Analyst : MMO . Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.00	9.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	3.796	1048889	3899875	2	3.59
2	1.08		0.000	2633929	10655863	2	
3	1.55	CHLORIDE	32.790	10108296	41802798	1	0.00
4	1.97	NITRITE	576.195	86358798	526914037	1	1.09
5	3.07	BROMIDE	2.159	227219	914712	1	5.38
6	3.23	NITRATE	728.993	144833529	2031623338	1	0.00
7	4.87	PHOSPHATE	9.943	158354	1728595	1	-6.82
8	5.70		0.000	184740	2457989	1	
9	7.43	SULFATE	15.369	530737	9739316	1	0.00
		Totals	1369.247	246084491	2629736522		

File: 95091421.D78 Sample: DUP95-7935-C2/SEG3 - B28



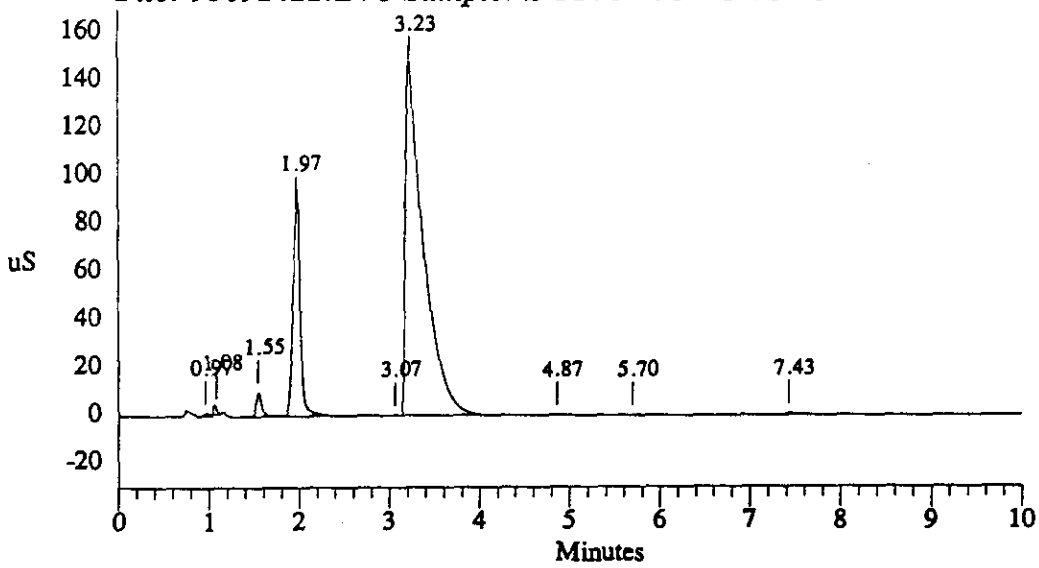
Sample Name: DUP95-7935-C2/SEG3 - B28 Date: 09/15/1995 06:32:22
Data File : C:\DX\DATA\9509142\95091421.D78
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 78 Vial:B28 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	3.791	1048889	3889547	2	3.59
2	1.08		0.000	2633929	10430194	2	
3	1.55	CHLORIDE	36.800	10324509	47460185	1	0.00
4	1.97	NITRITE	576.195	86358798	526914037	1	1.09
5	3.07	BROMIDE	1.356	157915	535324	1	5.38
6	3.23	NITRATE	731.841	144753607	2027751109	1	0.00
7	4.87	PHOSPHATE	9.559	156221	1598579	1	-6.82
8	5.70		0.000	187200	2638555	1	
9	7.43	SULFATE	15.752	535309	10080517	1	0.00
		Totals	1375.295	246156377	2631298047		

File: 95091421.D78 Sample: DUP95-7935-C2/SEG3 - B28



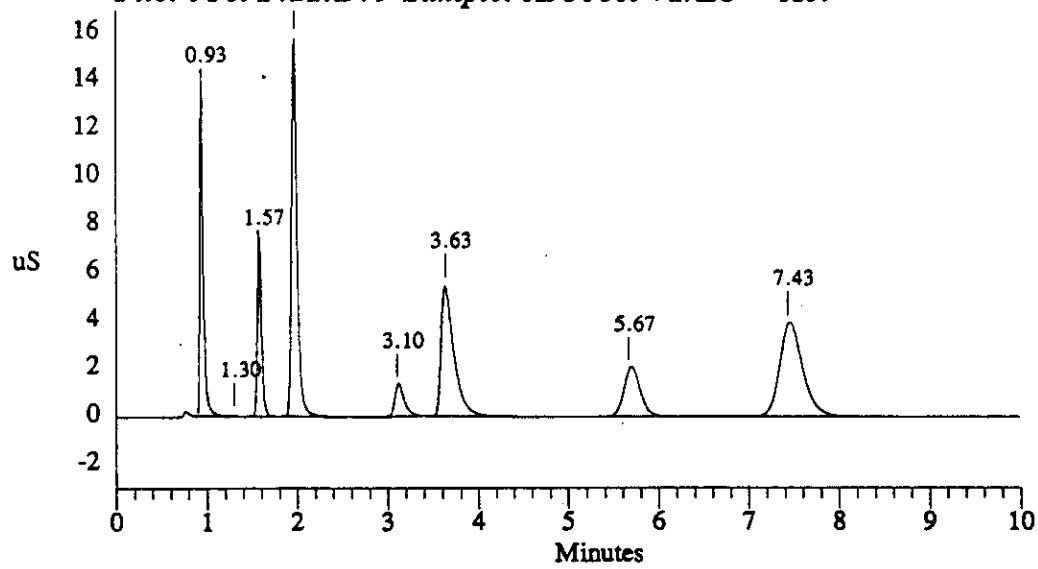
Sample Name: A950609V1/LO - A07 Date: 09/15/1995 06:44:58
Data File : C:\DX\DATA\9509142\95091421.D79
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 79 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.93	FLUORIDE	18.903	13144303	36898011	3	-1.05
2	1.30		0.000	46865	285901	4	
3	1.57	CHLORIDE	20.266	6385528	24451176	1	0.00
4	1.97	NITRITE	82.300	15800444	68720759	1	0.02
5	3.10	BROMIDE	21.451	1263984	10194895	1	5.39
6	3.63	NITRATE	80.120	5386857	53173092	1	0.00
7	5.67	PHOSPHATE	82.486	1963862	26757378	1	-3.45
8	7.43	SULFATE	82.542	3863849	70600919	1	0.00
		Totals	388.069	47855692	291082130		

File: 95091421.D79 Sample: A950609V1/LO - A07



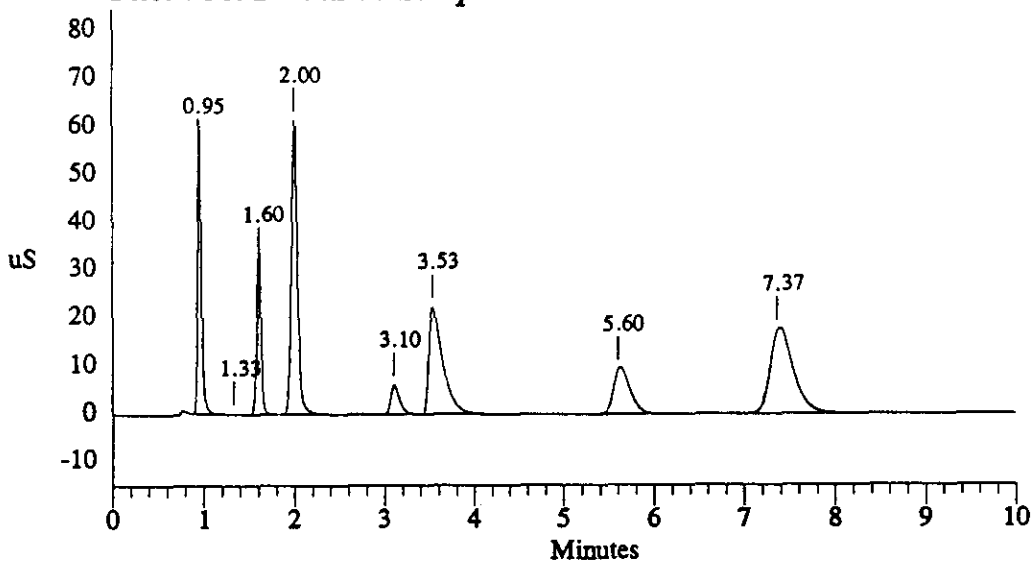
Sample Name: A950609V2/MID - A07 Date: 09/15/1995 06:58:00
Data File : C:\DX\DATA\9509142\95091421.D80
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 80 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.244	54860139	170318522	1	-1.38
2	1.33		0.000	106498	581050	1	
3	1.60	CHLORIDE	27.302	32196201	115064824	1	0.00
4	2.00	NITRITE	109.036	61395197	290810061	1	-0.41
5	3.10	BROMIDE	27.849	6017305	42650441	1	3.19
6	3.53	NITRATE	105.641	22241140	236039964	1	0.00
7	5.60	PHOSPHATE	111.102	9185692	122763018	1	-1.89
8	7.37	SULFATE	109.109	17579698	314824661	1	0.00
		Totals	516.283	203581870	1293052541		

File: 95091421.D80 Sample: A950609V2/MID - A07



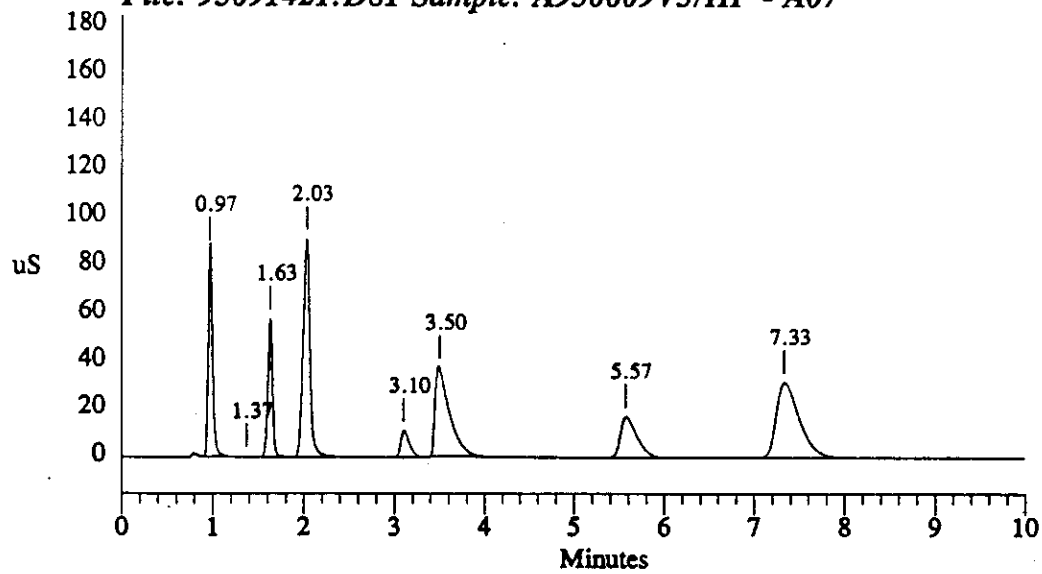
Sample Name: A950609V3/HI - A07 Date: 09/15/1995 07:11:26
Data File : C:\DX\DATA\9509142\95091421.D81
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 81 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.532	86038605	294609098	1	-1.69
2	1.37		0.000	138865	833742	1	
3	1.63	CHLORIDE	26.860	57910151	205817455	1	0.00
4	2.03	NITRITE	107.239	90855669	488249313	1	-0.81
5	3.10	BROMIDE	27.470	11106740	75147808	1	1.09
6	3.50	NITRATE	101.171	36965646	407120197	1	0.00
7	5.57	PHOSPHATE	109.414	17168545	222133556	1	-1.54
8	7.33	SULFATE	107.573	31614898	566202718	1	0.00
		Totals	506.258	331799120	2260113886		

File: 95091421.D81 Sample: A950609V3/HI - A07



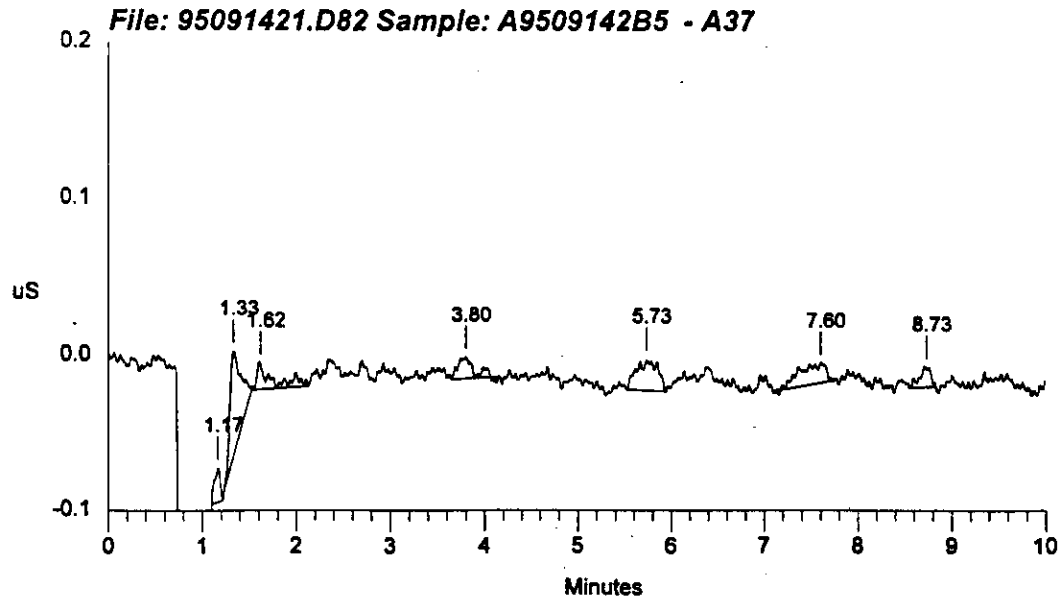
Data Reprocessed On 09/20/1995 12:37:53

Sample Name: A9509142B5 - A37	Date: 09/15/1995 07:27:55
Data File : C:\DX\DATA\9509142\95091421.D82	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 82 Vial:A37	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	21391	92331	1	
2	1.33		0.000	67243	532308	1	
3	1.62	CHLORIDE	0.109	16379	189958	1	0.00
4	3.80	NITRATE	0.236	13134	153889	1	0.00
5	5.73	PHOSPHATE	0.288	19915	316683	1	-6.60
6	7.60	SULFATE	0.234	12370	260480	1	0.00
7	8.73		0.000	12167	106957	1	
		Totals	0.868	162599	1652606		

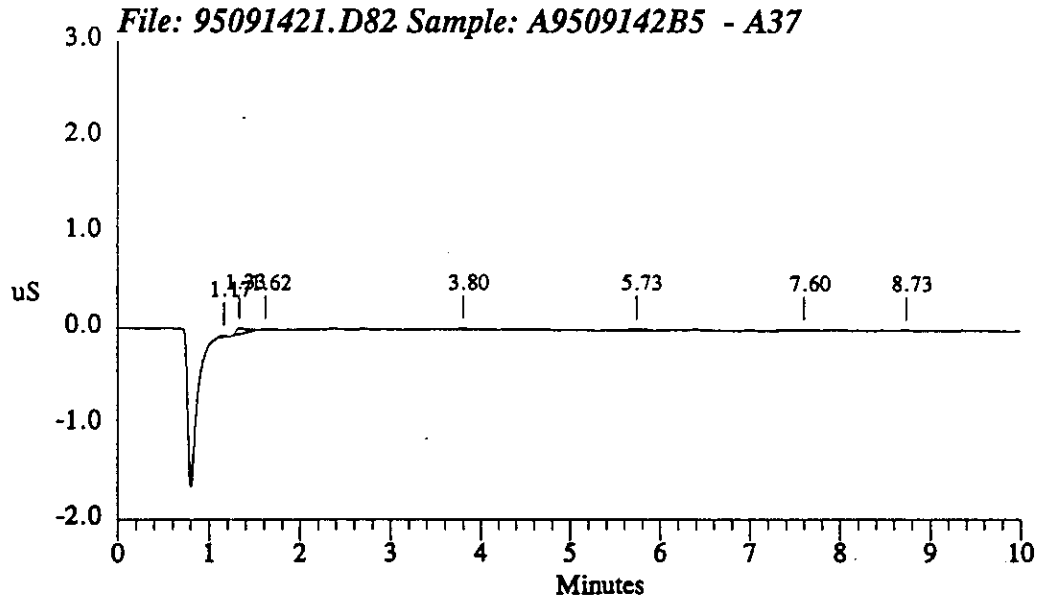


Sample Name: A9509142B5 - A37 Date: 09/15/1995 07:27:55
Data File : C:\DX\DATA\9509142\95091421.D82
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 82 Vial:A37 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	21391	92331	1	
2	1.33		0.000	67243	532308	1	
3	1.62	CHLORIDE	0.109	16379	189958	1	0.00
4	3.80	NITRATE	0.236	13134	153889	1	0.00
5	5.73	PHOSPHATE	0.288	19915	316683	1	-6.60
6	7.60	SULFATE	0.234	12370	260480	1	0.00
7	8.73		0.000	12167	106957	1	
		Totals	0.868	162599	1652606		



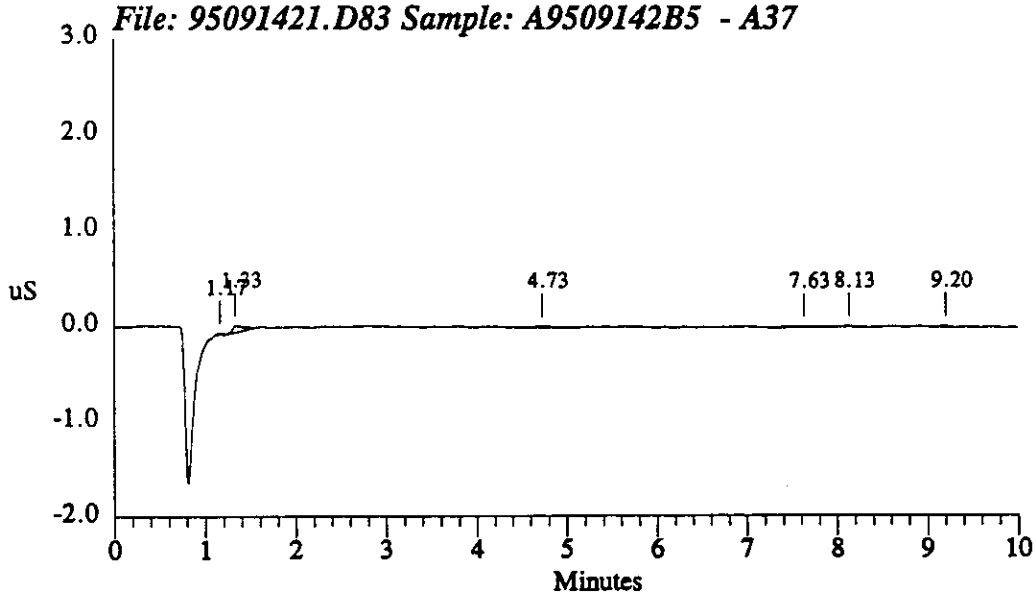
Sample Name: A9509142B5 - A37 Date: 09/15/1995 07:44:20
Data File : C:\DX\DATA\9509142\95091421.D83
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 83 Vial:A37 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	20760	96642	1	
2	1.33		0.000	72227	619037	1	
3	4.73		0.000	15272	244152	1	
4	7.63	SULFATE	0.230	8949	191696	1	0.00
5	8.13		0.000	15054	185609	1	
6	9.20		0.000	19779	155255	1	
		Totals	0.230	152041	1492390		

File: 95091421.D83 Sample: A9509142B5 - A37

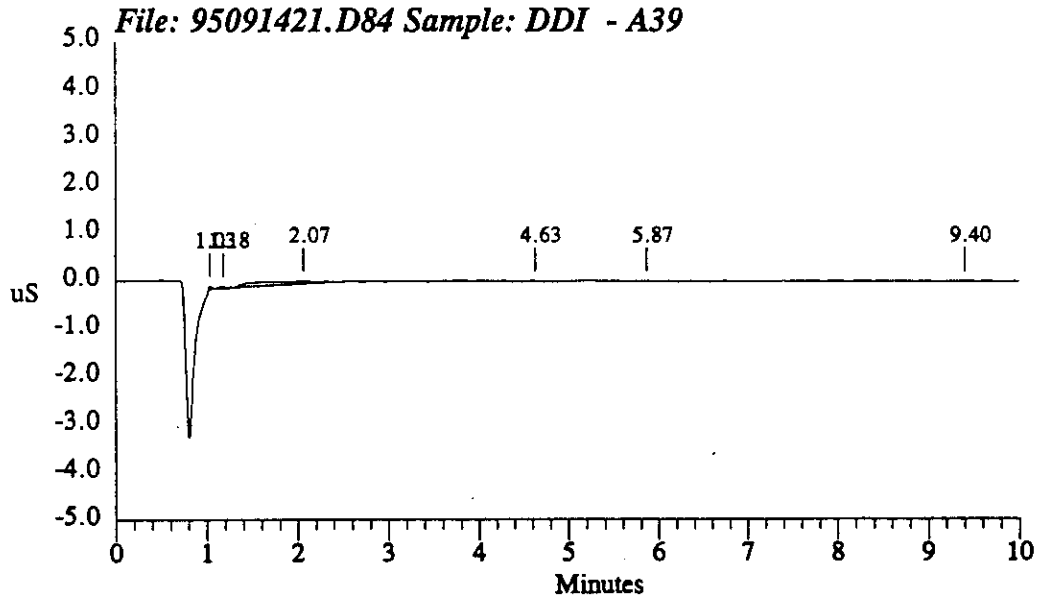


Sample Name: DDI - A39 Date: 09/15/1995 08:00:47
Data File : C:\DX\DATA\9509142\95091421.D84
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 84 Vial:A39 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.103	55521	115461	1	5.08
2	1.18		0.000	38528	159225	1	
3	2.07	NITRITE	0.420	52040	3444714	1	0.81
4	4.63		0.000	11812	152801	1	
5	5.87	PHOSPHATE	0.260	13202	123920	1	4.76
6	9.40		0.000	13087	180129	1	
		Totals	0.783	184190	4176250		



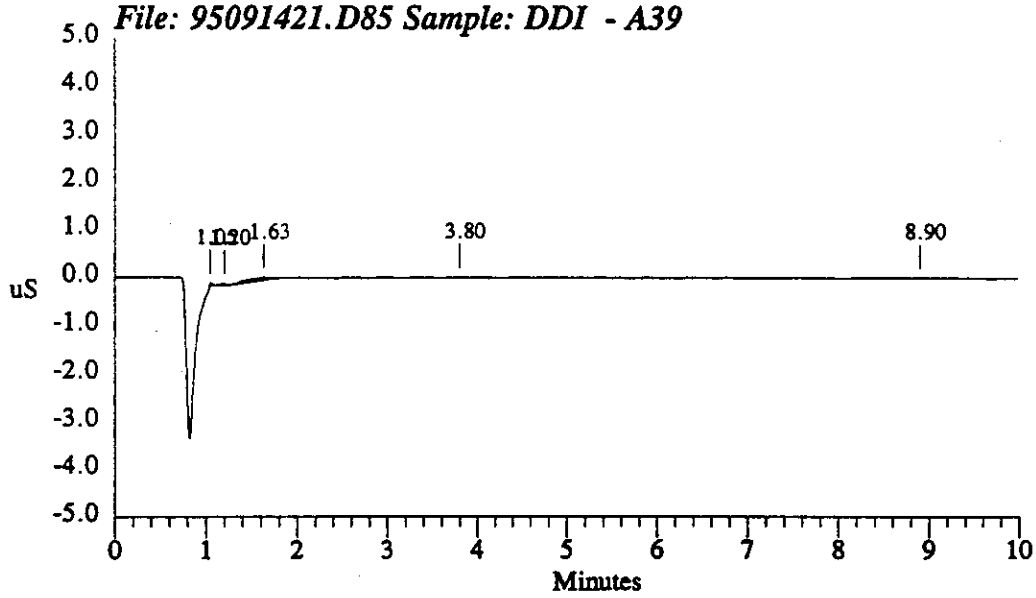
Sample Name: DDI - A39 Date: 09/15/1995 08:17:14
Data File : C:\DX\DATA\9509142\95091421.D85
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 85 Vial:A39 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.05	FLUORIDE	0.103	57989	119373	1	6.78
2	1.20		0.000	28407	71344	1	
3	1.63	CHLORIDE	0.139	54913	973614	1	0.00
4	3.80	NITRATE	0.248	20975	318866	1	0.00
5	8.90		0.000	14064	247708	1	
		Totals	0.490	176347	1730904		

File: 95091421.D85 Sample: DDI - A39



AI-450 AS3500 Editor - 09081SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A04	5	1	A950609V1/LO	1anions1	95090811	1	1	
2	A04	15	1	A950609V2/MID	1anions1	95090811	1	1	
3	A04	25	1	A950609V3/HI	1anions1	95090811	1	1	
4	A01	100	1	A950908B1	1anions1	95090811	1	1	
5	A05	100	1	95-7941-C3/BLANK	1anions1	95090811	1	1	
6	A06	1	1	95-7941-C1/SEG 1	1anions1	95090811	1	1	
7	A07	1	1	95-7942-C1/QS2A	1anions1	95090811	1	1	
8	A08	1	1	95-7943-C1/QS2D	1anions1	95090811	1	1	
9	A09	1	1	95-7944-C1/QS3A	1anions1	95090811	1	1	
10	A10	1	1	95-7945-C1/QS4A	1anions1	95090811	1	1	
11	A11	1	1	95-7946-C1/QS4B	1anions1	95090811	1	1	
12	A12	1	1	95-7947-C1/QS4C	1anions1	95090811	1	1	
13	A13	1	1	95-7948-C1/QS4D	1anions1	95090811	1	1	
14	A04	5	1	A950609V1/LO	1anions1	95090811	1	1	
15	A04	15	1	A950609V2/MID	1anions1	95090811	1	1	
16	A04	25	1	A950609V3/HI	1anions1	95090811	1	1	
17	A03	100	1	A950908B2	1anions1	95090811	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	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	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
6	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
7	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
8	A08	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
9	A09	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
10	A10	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
11	A11	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
12	A12	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
13	A13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
14	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
15	A04	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	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0

Comment:
Calibrated 2/10/95

AI-450 AS3500 Editor - 09081SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A04	5	1	A950609V1/LO	1anions1	95090811	1	1	
2	A04	15	1	A950609V2/MID	1anions1	95090811	1	1	
3	A04	25	1	A950609V3/HI	1anions1	95090811	1	1	
4	A01	100	1	A950908B1 ↓PO4	1anions1	95090811	1	1	
5	A05	100	1	95-7941-C3/BLANK	1anions1	95090811	1	1	
6	A06	1	1	95-7941-C1/SEG 1 20X	1anions1	95090811	1	1	
7	A07	1	1	95-7942-C1/QS2A 100X+5X, 20X	1anions1	95090811	1	1	
8	A08	1	1	95-7943-C1/QS2D 20X	1anions1	95090811	1	1	
9	A09	1	1	95-7944-C1/QS3A 20X	1anions1	95090811	1	1	
10	A10	1	1	95-7945-C1/QS4A 20X	1anions1	95090811	1	1	
11	A11	1	1	95-7946-C1/QS4B 20X	1anions1	95090811	1	1	
12	A12	1	1	95-7947-C1/QS4C 20X	1anions1	95090811	1	1	
13	A13	1	1	95-7948-C1/QS4D 20X	1anions1	95090811	1	1	
14	A04	5	1	A950609V1/LO	1anions1	95090811	1	1	
15	A04	15	1	A950609V2/MID	1anions1	95090811	1	1	
16	A04	25	1	A950609V3/HI	1anions1	95090811	1	1	
17	A02	100	1	A950908B2	1anions1	95090811	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	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	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
6	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
7	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
8	A08	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
9	A09	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
10	A10	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
11	A11	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
12	A12	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
13	A13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
14	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
15	A04	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	A02	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0

Comment:
Calibrated 2/10/95

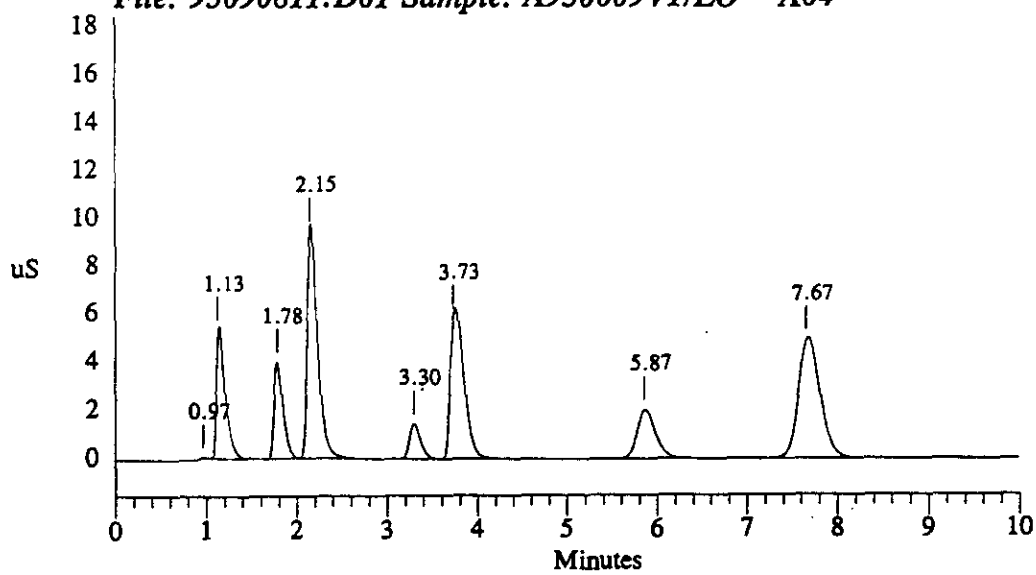
Sample Name: A950609V1/LO - A04 Date: 09/08/1995 18:38:06
Data File : C:\DX\DATA\9509081\95090811.D01
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 1 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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		0.000	32194	150329	2	
2	1.13	FLUORIDE	23.062	5360567	37594627	2	-1.04
3	1.78	CHLORIDE	23.628	3996641	27524958	1	0.00
4	2.15	NITRITE	95.300	9487616	77978897	1	-0.45
5	3.30	BROMIDE	24.471	1450663	12447716	1	3.97
6	3.73	NITRATE	94.649	5836199	66226111	1	0.00
7	5.87	PHOSPHATE	93.286	2040199	29557855	1	0.42
8	7.67	SULFATE	95.715	4955465	84349748	1	0.00
		Totals	450.111	33159543	335830242		

File: 95090811.D01 Sample: A950609V1/LO - A04



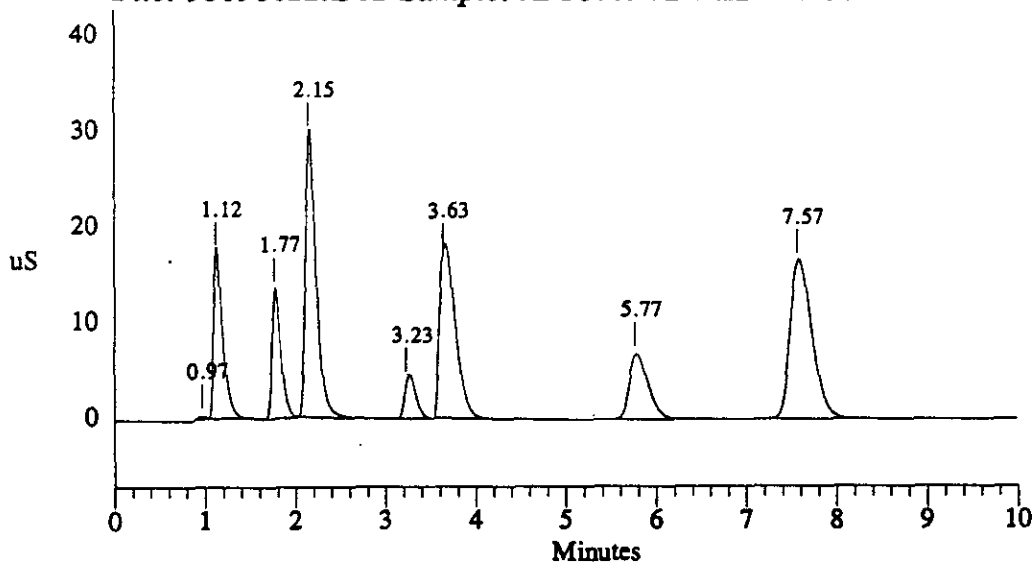
Sample Name: A950609V2/MID - A04 Date: 09/08/1995 18:51:08
Data File : C:\DX\DATA\9509081\95090811.D02
Method : c:\dx\method\lanions1.met
ACI Address: 1 System: 1 Inject#: 2 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	0.97		0.000	226952	1249050	2	
2	1.12	FLUORIDE	23.903	17051547	124445198	2	-1.58
3	1.77	CHLORIDE	24.329	13333256	91272821	1	0.00
4	2.15	NITRITE	98.615	29417157	248532118	1	0.49
5	3.23	BROMIDE	25.268	3939285	38869505	1	2.83
6	3.63	NITRATE	97.885	16849529	219254998	1	0.00
7	5.77	PHOSPHATE	98.173	6671309	100879858	1	1.43
8	7.57	SULFATE	99.860	16314338	283974489	1	0.00
		Totals	468.033	103803373	1108478035		

File: 95090811.D02 Sample: A950609V2/MID - A04



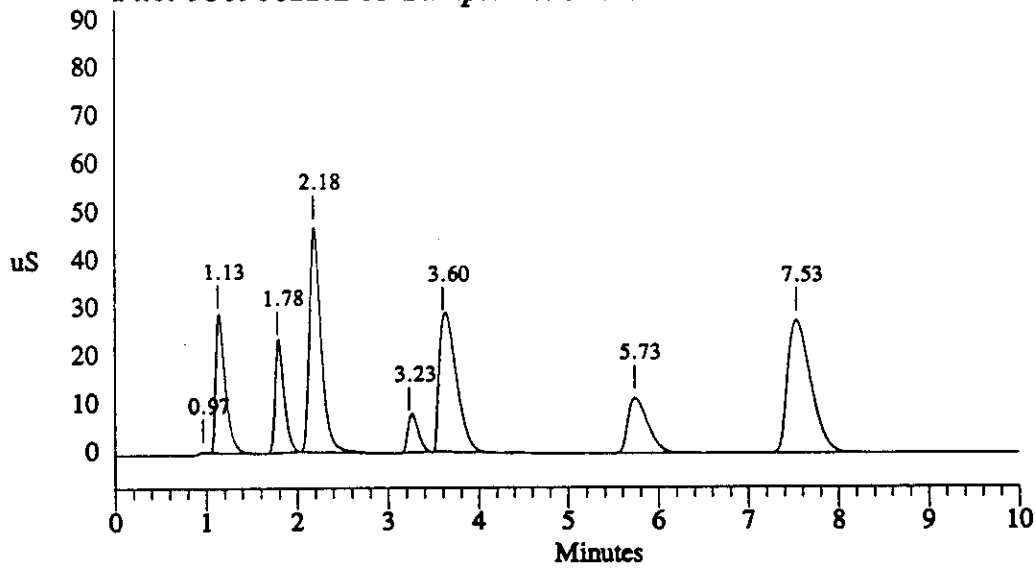
Sample Name: A950609V3/HI - A04 Date: 09/08/1995 19:04:34
Data File : C:\DX\DATA\9509081\95090811.D03
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 3 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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		0.000	110900	481547	2	
2	1.13	FLUORIDE	24.104	28198393	215475715	2	-1.04
3	1.78	CHLORIDE	24.352	22707151	160347870	1	0.00
4	2.18	NITRITE	99.225	46755874	418667791	1	1.10
5	3.23	BROMIDE	25.838	6830771	65612858	1	1.87
6	3.60	NITRATE	96.796	27554592	377387838	1	0.00
7	5.73	PHOSPHATE	99.023	11565795	181378506	1	1.78
8	7.53	SULFATE	99.789	27795014	500967259	1	0.00
		Totals	469.127	171518490	1920319385		

File: 95090811.D03 Sample: A950609V3/HI - A04



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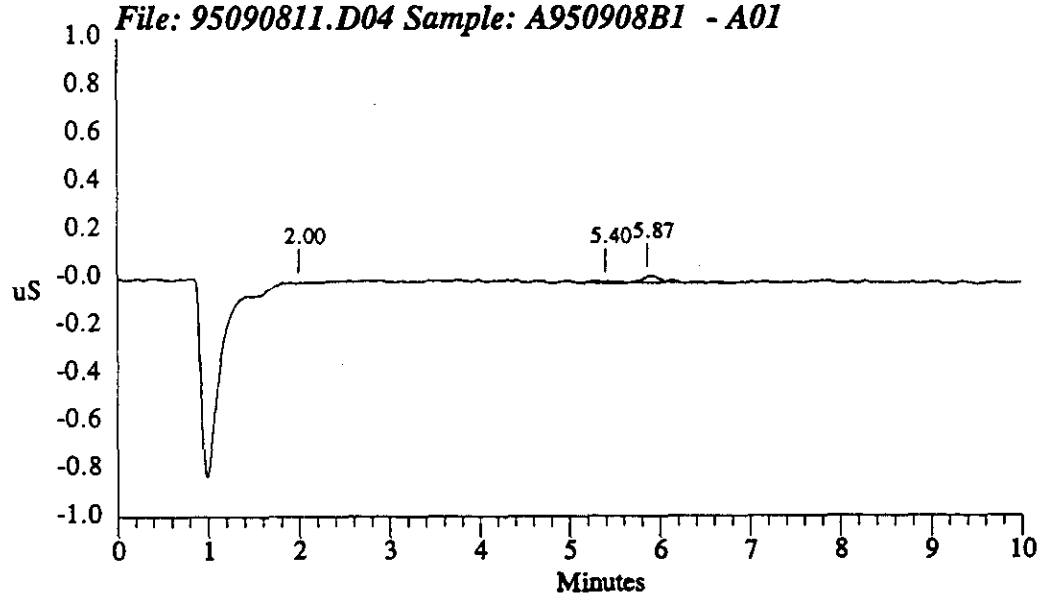
Sample Name: A950908B1  - A01                Date: 09/08/1995 19:21:05
Data File  : C:\DX\DATA\9509081\95090811.D04
Method     : c:\dx\method\1anions1.met
ACI Address: 1  System: 1  Inject#: 4   Vial:A01        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A-SC
```

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	2.00		0.000	4684	35116	1	
2	5.40	PHOSPHATE	0.204	7359	211540	1	-4.14
3	5.87		0.000	27509	517589	1	
		Totals	0.204	39552	764245		

File: 95090811.D04 Sample: A950908B1 - A01

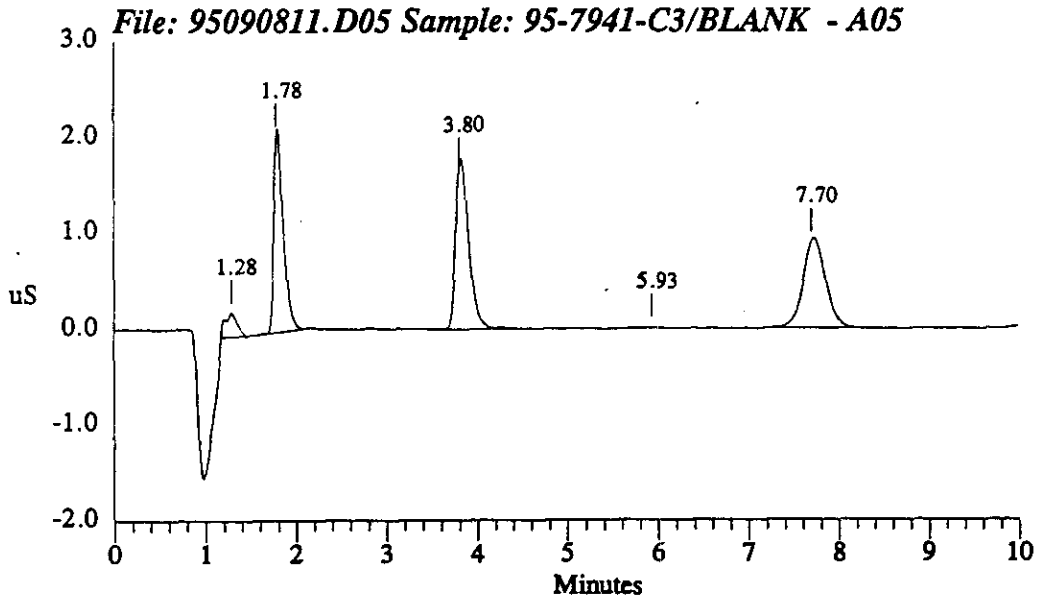


Sample Name: 95-7941-C3/BLANK - A05 Date: 09/08/1995 19:37:35
Data File : C:\DX\DATA\9509081\95090811.D05
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 5 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	1.28		0.000	254004	2428923	1	
2	1.78	CHLORIDE	0.687	2046879	15378472	1	0.00
3	3.80	NITRATE	1.461	1651937	18228409	1	0.00
4	5.93	PHOSPHATE	0.201	14003	196154	1	-0.22
5	7.70	SULFATE	1.085	899627	16269055	1	0.00
		Totals	3.435	4866450	52501013		



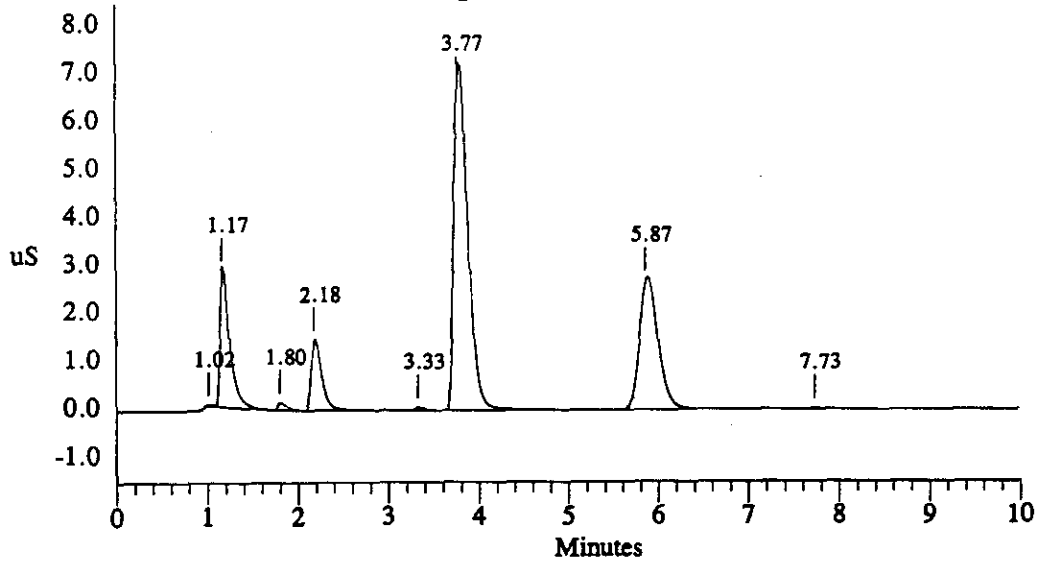
Sample Name: 95-7941-C1/SEG 1 - A06 Date: 09/08/1995 19:50:03
Data File : C:\DX\DATA\9509081\95090811.D06
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 6 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	1.02		0.000	17242	89812	2	
2	1.17	FLUORIDE	68.413	2848011	21252524	2	0.93
3	1.80	CHLORIDE	9.564	144214	1064139	1	0.00
4	2.18	NITRITE	88.800	1451655	11982657	1	0.16
5	3.33	BROMIDE	9.684	63415	615595	1	4.05
6	3.77	NITRATE	559.798	6691789	79105259	1	0.00
7	5.87	PHOSPHATE	622.191	2696101	40105629	1	-0.47
8	7.73	SULFATE	21.694	32560	590575	1	0.00
		Totals	1380.144	13944989	154806190		

File: 95090811.D06 Sample: 95-7941-C1/SEG 1 - A06



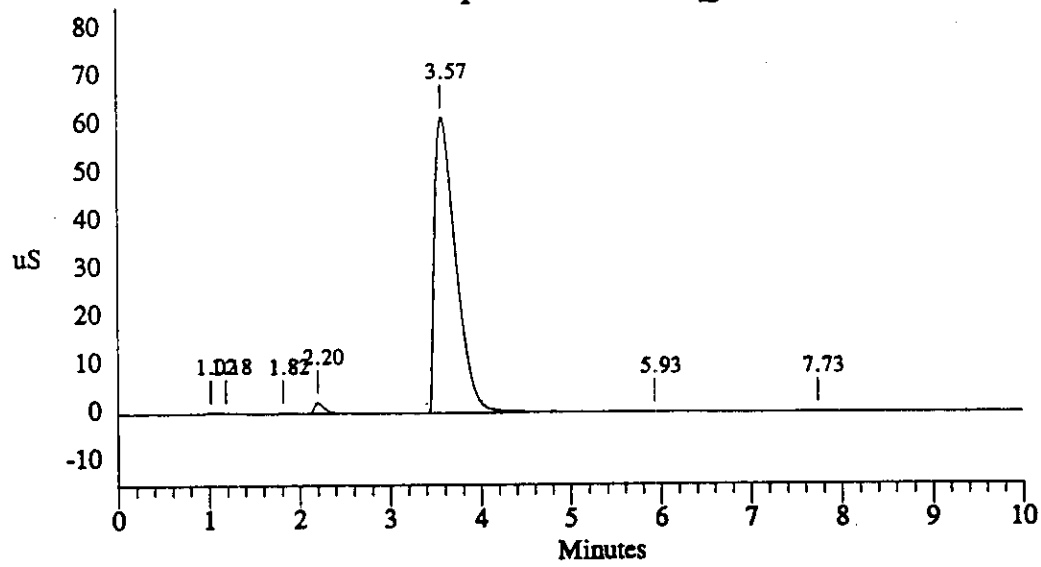
Sample Name: 95-7942-C1/QS2A - A07 Date: 09/08/1995 20:02:31
Data File : C:\DX\DATA\9509081\95090811.D07
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 7 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	1.02		0.000	110678	765079	2	
2	1.18	FLUORIDE	12.030	148077	1769179	2	1.43
3	1.82	CHLORIDE	12.304	223073	1721267	1	0.00
4	2.20	NITRITE	126.082	2240345	18330205	1	0.00
5	3.57	NITRATE	5402.740	61615335	998092134	1	0.00
6	5.93	PHOSPHATE	29.437	68292	796550	1	6.31
7	7.73	SULFATE	23.513	50158	917891	1	0.00
		Totals	5606.106	64455957	1022392306		

File: 95090811.D07 Sample: 95-7942-C1/QS2A - A07



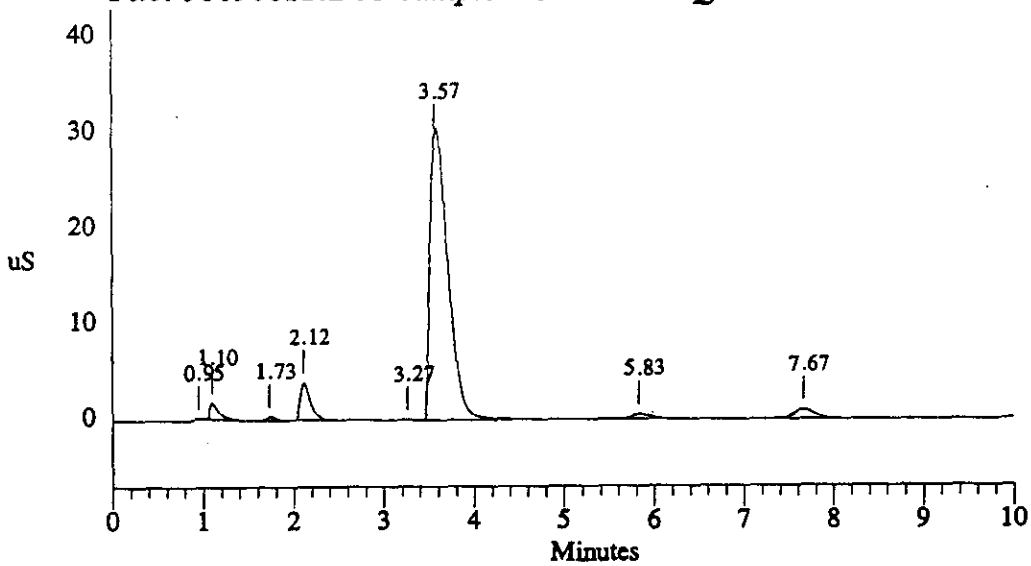
Sample Name: 95-7943-C1/QS2D - A08 Date: 09/08/1995 20:14:59
Data File : C:\DX\DATA\9509081\95090811.D08
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 8 Vial:A08 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	0.95		0.000	51589	237248	1	
2	1.10	FLUORIDE	41.332	1711135	11872811	1	-1.18
3	1.73	CHLORIDE	16.631	375278	2760303	1	0.00
4	2.12	NITRITE	205.575	3896769	31863539	1	0.84
5	3.27	BROMIDE	5.932	32560	219013	1	5.89
6	3.57	NITRATE	2652.161	29521071	418075236	1	0.00
7	5.83	PHOSPHATE	144.128	552115	8231807	1	4.52
8	7.67	SULFATE	106.369	941537	15877799	1	0.00
		Totals	3172.127	37082054	489137755		

File: 95090811.D08 Sample: 95-7943-C1/QS2D - A08



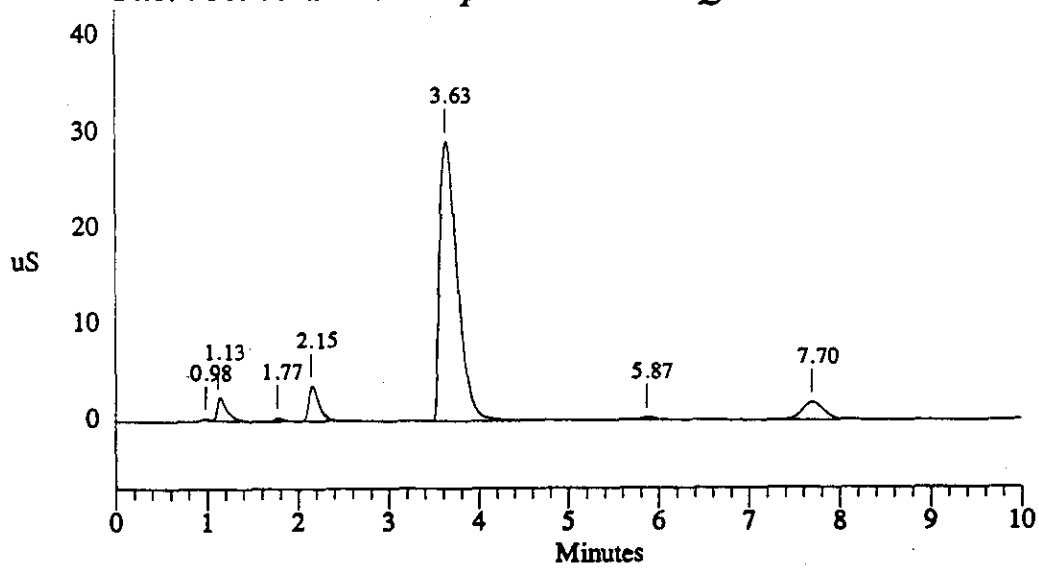
Sample Name: 95-7944-C1/QS3A - A09 Date: 09/08/1995 20:27:26
Data File : C:\DX\DATA\9509081\95090811.D09
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 9 Vial:A09 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	0.98		0.000	100704	591821	2	
2	1.13	FLUORIDE	59.374	2326034	18117432	2	-0.11
3	1.77	CHLORIDE	15.647	329133	2523961	1	0.00
4	2.15	NITRITE	194.691	3610269	30010690	1	0.49
5	3.63	NITRATE	2522.046	29105290	395170716	1	0.00
6	5.87	PHOSPHATE	82.546	275734	4229878	1	3.19
7	7.70	SULFATE	187.376	1833586	30600999	1	0.00
		Totals	3061.681	37580751	481245497		

File: 95090811.D09 Sample: 95-7944-C1/QS3A - A09



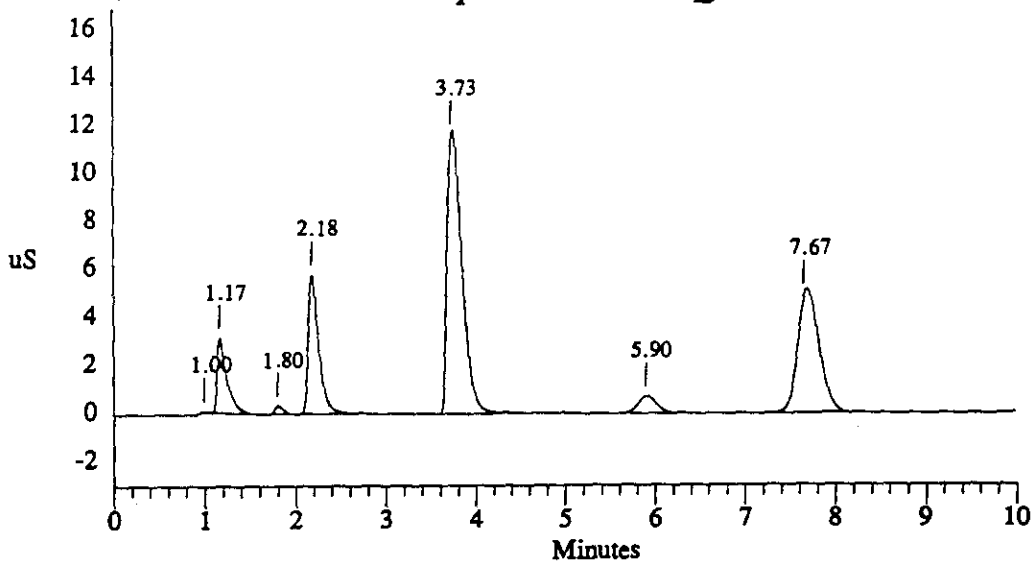
Sample Name: 95-7945-C1/QS4A - A10 Date: 09/08/1995 20:39:54
Data File : C:\DX\DATA\9509081\95090811.D10
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 10 Vial:A10 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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		0.000	54472	303229	2	
2	1.17	FLUORIDE	73.388	3117694	22980252	2	0.93
3	1.80	CHLORIDE	15.322	339148	2445779	1	0.00
4	2.18	NITRITE	297.793	5806232	47561944	1	0.16
5	3.73	NITRATE	936.358	11678980	136058974	1	0.00
6	5.90	PHOSPHATE	177.799	717554	10429561	1	0.99
7	7.67	SULFATE	484.620	4974931	85479636	1	0.00
		Totals	1985.280	26689010	305259374		

File: 95090811.D10 Sample: 95-7945-C1/QS4A - A10



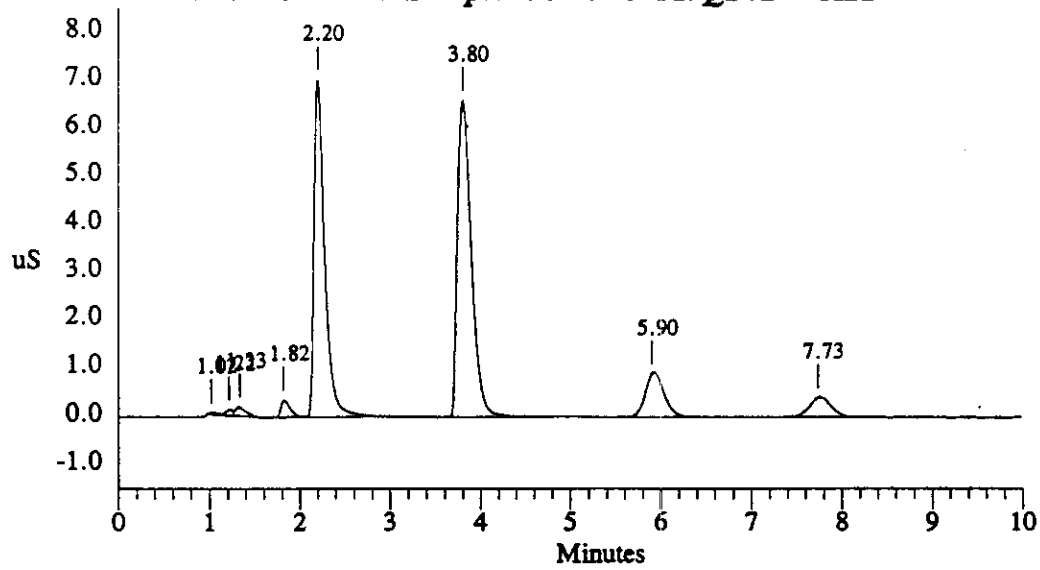
Sample Name: 95-7946-C1/QS4B - A11 Date: 09/08/1995 20:52:21
Data File : C:\DX\DATA\9509081\95090811.D11
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 11 Vial:A11 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	1.02		0.000	34390	235193	2	
2	1.22	FLUORIDE	8.738	115777	637197	2	4.29
3	1.33		0.000	182078	1318172	2	
4	1.82	CHLORIDE	15.609	347359	2514704	1	0.00
5	2.20	NITRITE	356.854	7025828	57615048	1	0.00
6	3.80	NITRATE	506.268	6602906	71130901	1	0.00
7	5.90	PHOSPHATE	226.590	892072	13626370	1	-0.78
8	7.73	SULFATE	57.774	403707	7091716	1	0.00
		Totals	1171.833	15604118	154169301		

File: 95090811.D11 Sample: 95-7946-C1/QS4B - A11



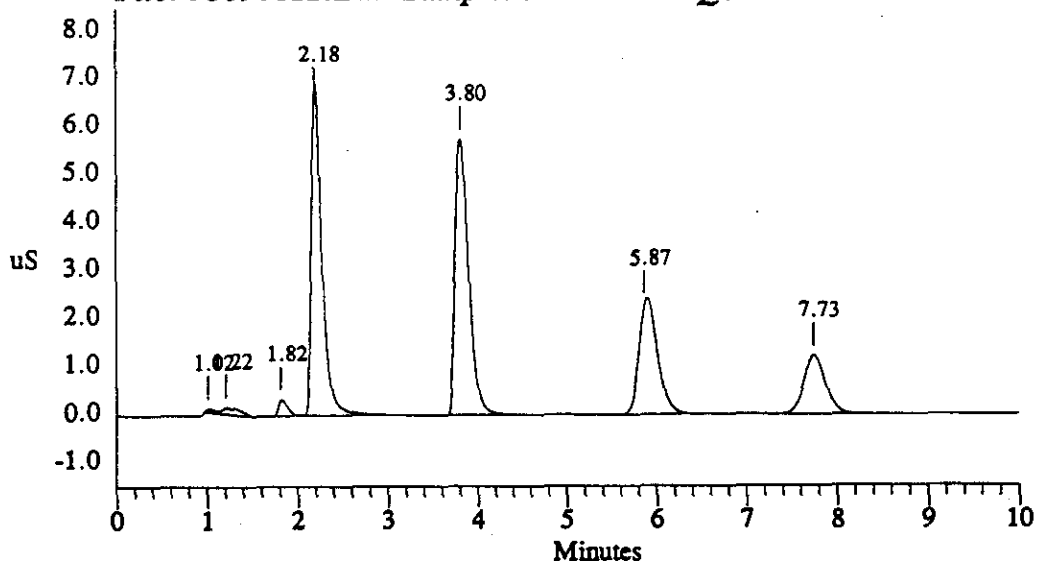
Sample Name: 95-7947-C1/QS4C - A12 Date: 09/08/1995 21:04:46
Data File : C:\DX\DATA\9509081\95090811.D12
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 12 Vial:A12 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	1.02		0.000	65948	454413	2	
2	1.22	FLUORIDE	12.837	139367	2046933	2	4.29
3	1.82	CHLORIDE	15.426	340774	2470718	1	0.00
4	2.18	NITRITE	353.229	6580344	56997982	1	-0.76
5	3.80	NITRATE	438.064	5745587	61012903	1	0.00
6	5.87	PHOSPHATE	546.041	2306928	34928427	1	-1.34
7	7.73	SULFATE	133.863	1225468	20864096	1	0.00
		Totals	1499.459	16404416	178775472		

File: 95090811.D12 Sample: 95-7947-C1/QS4C - A12



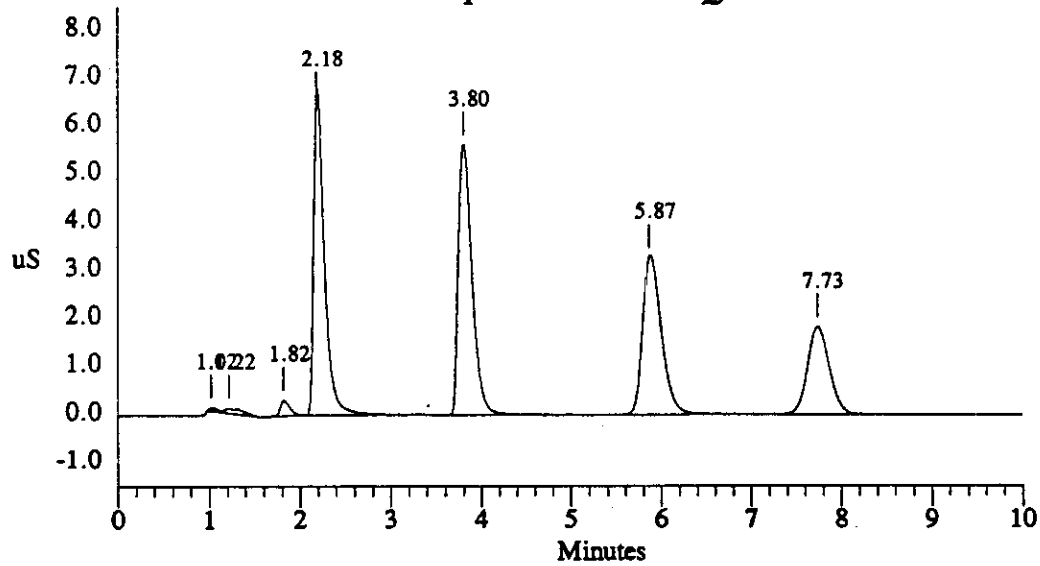
Sample Name: 95-7948-C1/QS4D - A13 Date: 09/08/1995 21:17:11
Data File : C:\DX\DATA\9509081\95090811.D13
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 13 Vial:A13 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	1.02		0.000	69327	468896	2	
2	1.22	FLUORIDE	11.703	107254	1656610	2	4.29
3	1.82	CHLORIDE	15.076	324607	2386748	1	0.00
4	2.18	NITRITE	346.073	6460617	55779967	1	-0.76
5	3.80	NITRATE	430.733	5628607	59928151	1	0.00
6	5.87	PHOSPHATE	743.810	3280976	48457420	1	-1.34
7	7.73	SULFATE	188.451	1827274	30797103	1	0.00
		Totals	1735.845	17698662	199474895		

File: 95090811.D13 Sample: 95-7948-C1/QS4D - A13



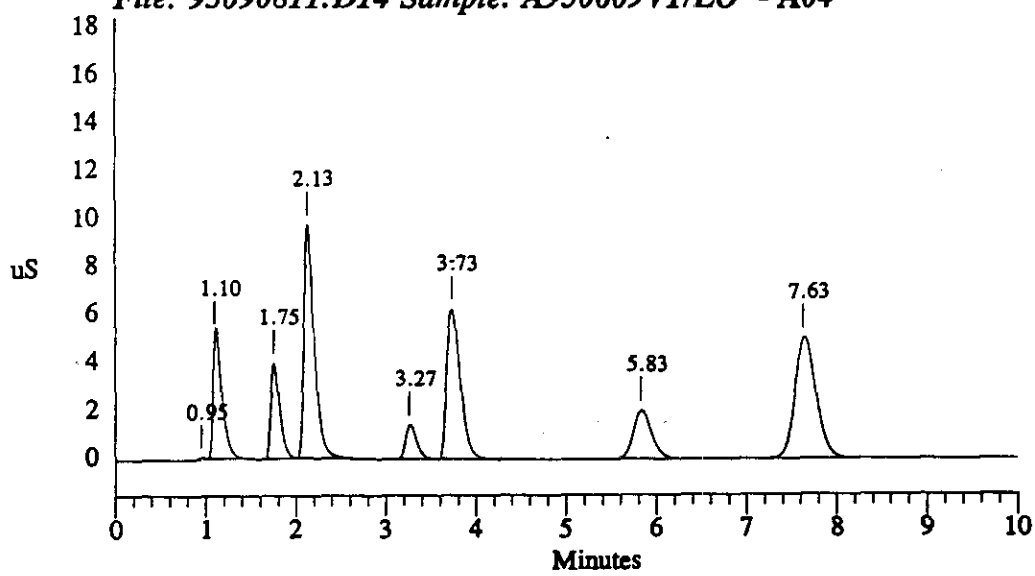
Sample Name: A950609V1/LO - A04 Date: 09/08/1995 21:29:51
Data File : C:\DX\DATA\9509081\95090811.D14
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 14 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	0.95		0.000	46788	239588	2	
2	1.10	FLUORIDE	22.812	5189114	37157680	2	-2.12
3	1.75	CHLORIDE	23.717	3992652	27635920	1	0.00
4	2.13	NITRITE	95.377	9751396	78044030	1	0.66
5	3.27	BROMIDE	24.467	1448073	12445772	1	4.88
6	3.73	NITRATE	94.992	6253210	66480773	1	0.00
7	5.83	PHOSPHATE	92.640	2055117	29340924	1	-0.15
8	7.63	SULFATE	95.639	5051355	84278465	1	0.00
		Totals	449.645	33787705	335623153		

File: 95090811.D14 Sample: A950609V1/LO - A04



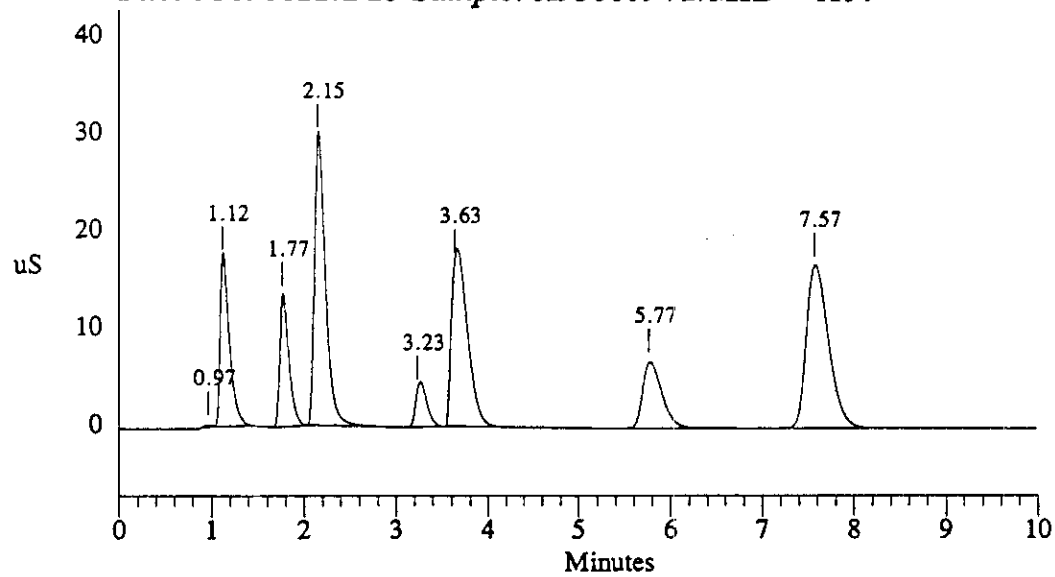
Sample Name: A950609V2/MID - A04 Date: 09/08/1995 21:42:52
Data File : C:\DX\DATA\9509081\95090811.D15
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 15 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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	0.97		0.000	230519	1259316	2	
2	1.12	FLUORIDE	23.935	17043750	124622818	2	-1.58
3	1.77	CHLORIDE	24.351	13347969	91360883	1	0.00
4	2.15	NITRITE	99.334	29528301	250365219	1	0.49
5	3.23	BROMIDE	25.228	3898873	38808714	1	2.83
6	3.63	NITRATE	97.566	16825357	218490764	1	0.00
7	5.77	PHOSPHATE	98.729	6797410	101505743	1	1.43
8	7.57	SULFATE	99.956	16631636	284272829	1	0.00
		Totals	469.100	104303816	1110686286		

File: 95090811.D15 Sample: A950609V2/MID - A04



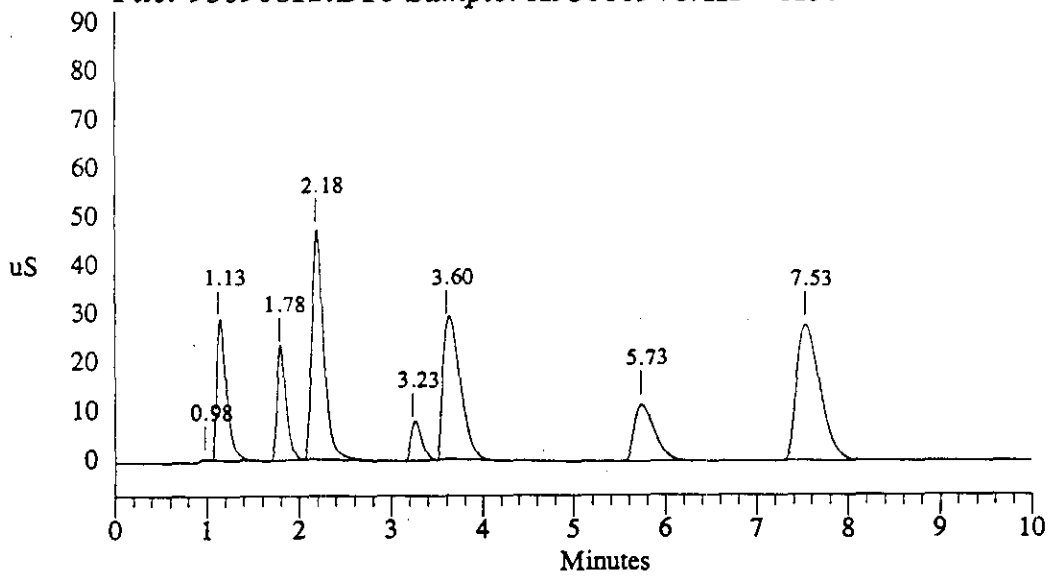
Sample Name: A950609V3/HI - A04 Date: 09/08/1995 21:56:19
Data File : C:\DX\DATA\9509081\95090811.D16
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 16 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC

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		0.000	127769	498833	2	
2	1.13	FLUORIDE	24.057	28031143	215026791	2	-1.04
3	1.78	CHLORIDE	24.517	22494618	161581470	1	0.00
4	2.18	NITRITE	99.117	46869746	418208628	1	1.10
5	3.23	BROMIDE	25.866	6950454	65681878	1	1.87
6	3.60	NITRATE	97.062	27814615	378538904	1	0.00
7	5.73	PHOSPHATE	99.632	11658520	182694222	1	1.78
8	7.53	SULFATE	100.098	27903791	502753026	1	0.00
		Totals	470.348	171850657	1924983753		

File: 95090811.D16 Sample: A950609V3/HI - A04

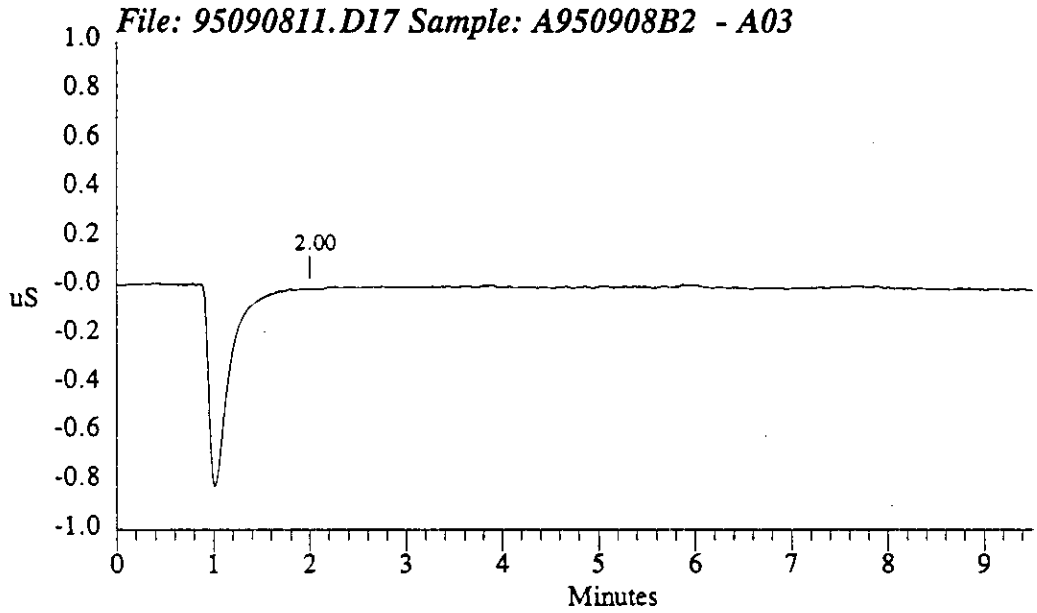


```
Sample Name: A950908B2  - A03                Date: 09/08/1995 22:28:27
Data File  : C:\DX\DATA\9509081\95090811.D17
Method     : c:\dx\method\1anions1.met
ACI Address: 1  System: 1  Inject#: 17  Vial:A03        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A-SC
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	2856	5Hz	0.00	9.52	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
		Totals	0.000	0	0		



AI-450 AS3500 Editor - 09182SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A04	5	1	A950609V1/LO	2anions2	95091821	1	1	
2	A04	15	1	A950609V2/MID	2anions2	95091821	1	1	
3	A04	25	1	A950609V3/HI	2anions2	95091821	1	1	
4	A01	100	1	A9509182B1	2anions2	95091821	1	1	
5	A04	5	1	A950609V1/LO	2anions2	95091821	1	1	
6	A04	15	1	A950609V2/MID	2anions2	95091821	1	1	
7	A08	1	1	SPIKE CHECK 950713	2anions2	95091821	1	1	
8	A06	1	1	AUTOCAL1R	2anions2	95091821	1	1	
9	A06	2	1	AUTOCAL2R	2anions2	95091821	1	1	
10	A07	5	1	AUTOCAL3R	2anions2	95091821	1	1	
11	A07	10	1	AUTOCAL4R	2anions2	95091821	1	1	
12	A07	20	1	AUTOCAL5R	2anions2	95091821	1	1	
13	A07	30	1	AUTOCAL6R	2anions2	95091821	1	1	
14	A06	1	1	CAL CHECK 1	2anions2	95091821	1	1	
15	A07	30	1	CAL CHECK 6	2anions2	95091821	1	1	
16	A04	5	1	A950609V1/LO	2anions2	95091821	1	1	
17	A04	15	1	A950609V2/MID	2anions2	95091821	1	1	
18	A04	25	1	A950609V3/HI	2anions2	95091821	1	1	
19	A01	100	3	A9509182B2	2anions2	95091821	1	1	
20	A08	1	1	SPIKE CHECK 950713	2anions2	95091821	1	1	
21	A09	100	1	95-7932-C1/SEG2	2anions2	95091821	100	1	
22	A10	100	1	MS95-7932-C1/SEG2	2anions2	95091821	100	1	
23	A11	100	1	MSD95-7932-C1/SEG2	2anions2	95091821	100	1	
24	A12	100	1	95-7932-C1/SEG2	2anions2	95091821	20	1	
25	A13	100	1	MS95-7932-C1/SEG2	2anions2	95091821	20	1	
26	A14	100	1	MSD95-7932-C1/SEG2	2anions2	95091821	20	1	
27	B26	5	1	MS95-7932-C4/SEG2	2anions2	95091421	1	1	
28	A15	100	1	95-7941-C1/SEG1	2anions2	95091821	50	1	
29	A16	100	1	MS95-7941-C1/SEG1	2anions2	95091821	50	1	
30	A17	100	1	MSD95-7941-C1/SEG1	2anions2	95091821	50	1	
31	A05	5	1	A950609V1/LO	2anions2	95091821	1	1	
32	A05	15	1	A950609V2/MID	2anions2	95091821	1	1	
33	A05	25	1	A950609V3/HI	2anions2	95091821	1	1	
34	A02	100	1	A9509182B3	2anions2	95091821	1	1	
35	A18	100	1	95-7941-C1/SEG1	2anions2	95091821	20	1	
36	A19	100	1	MS95-7941-C1/SEG1	2anions2	95091821	20	1	
37	A20	100	1	MSD95-7941-C1/SEG1	2anions2	95091821	20	1	
38	A21	100	1	MS95-7932-C4/SEG2	2anions2	95091421	100	1	
39	A22	100	1	MS95-7932-C4/SEG2	2anions2	95091421	20	1	
40	A23	100	1	MS95-7941-C4/SEG1	2anions2	95091421	100	1	
41	A24	100	1	MS95-7941-C4/SEG1	2anions2	95091421	20	1	
42	A05	5	1	A950609V1/LO	2anions2	95091421	1	1	
43	A05	15	1	A950609V2/MID	2anions2	95091421	1	1	
44	A05	25	1	A950609V3/HI	2anions2	95091421	1	1	
45	A03	100	1	A9509182B4	2anions2	95091421	1	1	
46	A39	100	2	DDI	2anions2	95091421	1	1	
47	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	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	A04	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
7	A08	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
8	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
9	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
10	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
11	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
12	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
13	A07	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
14	A06	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
15	A07	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	A01	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
20	A08	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
21	A09	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
22	A10	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
23	A11	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
24	A12	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
25	A13	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
26	A14	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
27	B26	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
28	A15	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
29	A16	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
30	A17	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
31	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
32	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
33	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
34	A02	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
35	A18	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
36	A19	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
37	A20	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
38	A21	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
39	A22	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
40	A23	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
41	A24	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	A05	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
45	A03	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
46	A39	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0
47	A40	Off	18	Off	0	0.00	500	Viscous	Viscous	Push	2.0

Comment:

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*** SRS 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\9502102\95021021.D08

-- 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	100.0
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: 14:00 on Mon, 18 Sep 1995

Component # 1 FLUORIDE Retention Time 0.98
Reference Comp. CHLORIDE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 8.16165E-002
K1 = 2.11865E-008
K2 = -1.11257E-018

Level	Amount	Area	Height
1	2.50000E-001	7688848	2989495
2	5.00000E-001	20814795	6368331
3	1.25000E+000	54095213	12675747
4	2.50000E+000	115247767	41482205
5	5.00000E+000	235116739	75389138
6	7.50000E+000	356783699	102103335

Component # 2 CHLORIDE Retention Time 1.63
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 9.31211E-002
K1 = 3.48126E-008
K2 = -2.27204E-017

Level	Amount	Area	Height
1	2.50000E-001	4845472	1281974
2	5.00000E-001	12762730	3791184
3	1.25000E+000	32854046	9149777
4	2.50000E+000	71439884	21545453
5	5.00000E+000	158532798	42934701
6	7.50000E+000	254764252	61024964

Component # 3 NITRITE Retention Time 2.05
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.91038E-001
K1 = 5.15522E-008
K2 = -1.26181E-018

Level	Amount	Area	Height
1	5.00000E-001	6598712	1410918
2	1.00000E+000	16783393	3563434
3	5.00000E+000	91218361	20860747
4	1.00000E+001	190789608	36750621
5	2.00000E+001	389503942	70520219
6	3.00000E+001	586048139	99052306

Component # 4 BROMIDE Retention Time 3.10
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.19464E-002
K1 = 9.55817E-008
K2 = -1.36222E-016

Level	Amount	Area	Height
1	2.50000E-001	2117672	270324
2	5.00000E-001	5299024	627037
3	1.25000E+000	13300785	1792125
4	2.50000E+000	26693754	2995385
5	5.00000E+000	56751424	7463468
6	7.50000E+000	89685794	13302163

Component # 5 NITRATE Retention Time 3.47
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.08237E-001
K1 = 6.58582E-008
K2 = -2.03650E-017

Level	Amount	Area	Height
1	5.00000E-001	5394104	510985
2	1.00000E+000	13657420	1345961
3	5.00000E+000	72719418	7206070
4	1.00000E+001	152684299	13922341
5	2.00000E+001	339571749	28086330
6	3.00000E+001	542230875	46711030

Component # 6 PHOSPHATE Retention Time 5.70
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.85536E-001
K1 = 1.33466E-007
K2 = -8.59730E-017

Level	Amount	Area	Height
1	5.00000E-001	2766551	190273
2	1.00000E+000	7130851	481994
3	5.00000E+000	35850351	2699095
4	1.00000E+001	75695444	5833662
5	2.00000E+001	168444924	12619223
6	3.00000E+001	269720570	19920959

Component # 7 SULFATE Retention Time 7.50
Reference Comp. SULFATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.60341E-001
K1 = 5.20750E-008
K2 = -1.30835E-017

Level	Amount	Area	Height
1	5.00000E-001	7462291	379976
2	1.00000E+000	18300828	942354
3	5.00000E+000	92954239	5015693
4	1.00000E+001	194977955	10689588
5	2.00000E+001	431622216	23332161
6	3.00000E+001	692233250	36665126

Timed Events File: C:\DX\METHOD\2ANIONS2.TE

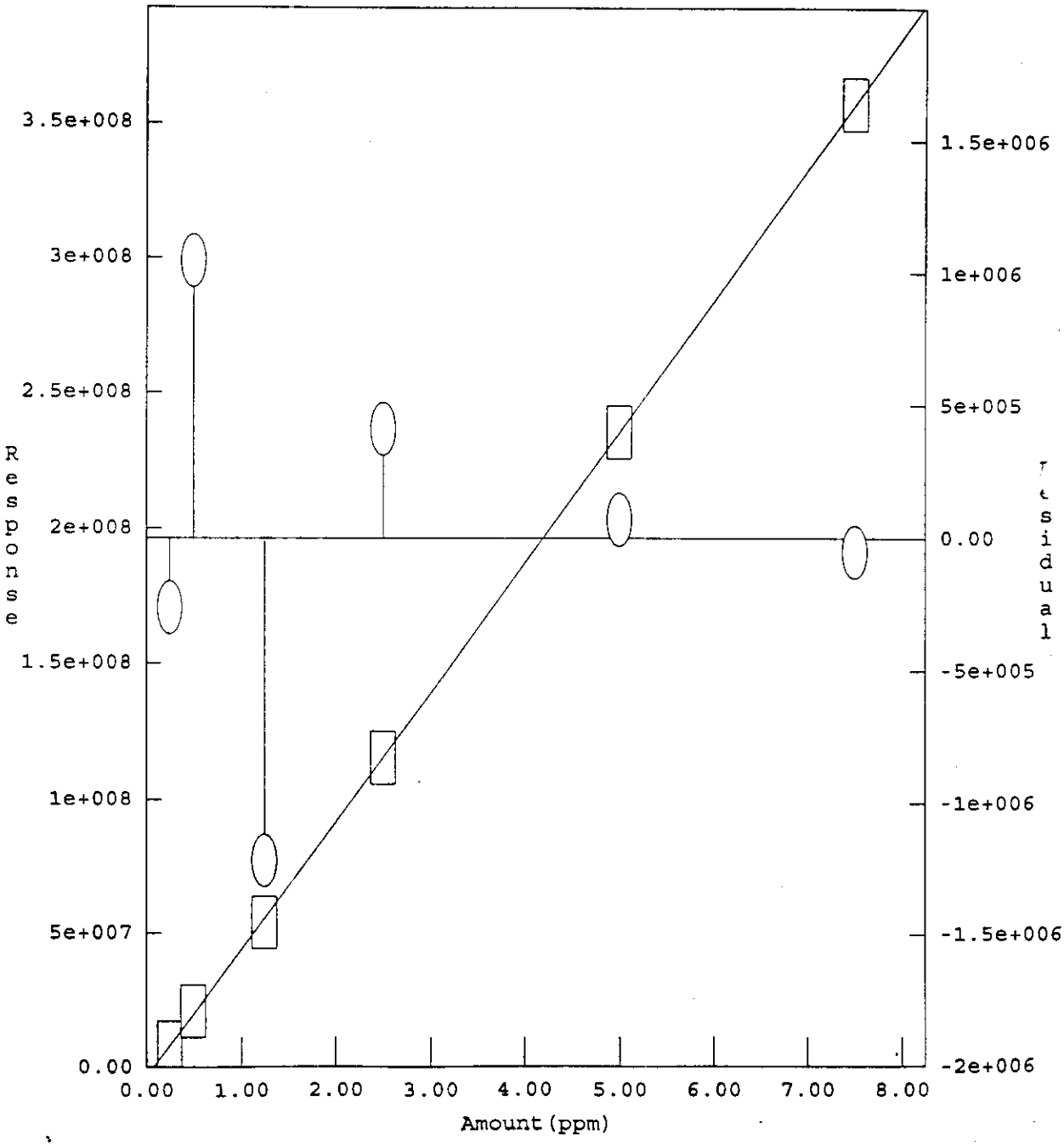
Step	Time	Description
Init		PED AutoOffset Off
Init		PED Cell ON
Init		PED Recorder Mark OFF
Init		PED Recorder Range = 0.100 uS
Init		ACI RLY 2 OFF
Init		ACI RLY 3 OFF
Init		ACI RLY 4 OFF
Init		ACI HOLD 2 OFF
Init		ACI TTL 3 OFF
Init		ACI TTL 4 OFF
Init		ACI Regen ON
Init		GPM Start
Init		GPM Hold Gradient 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	

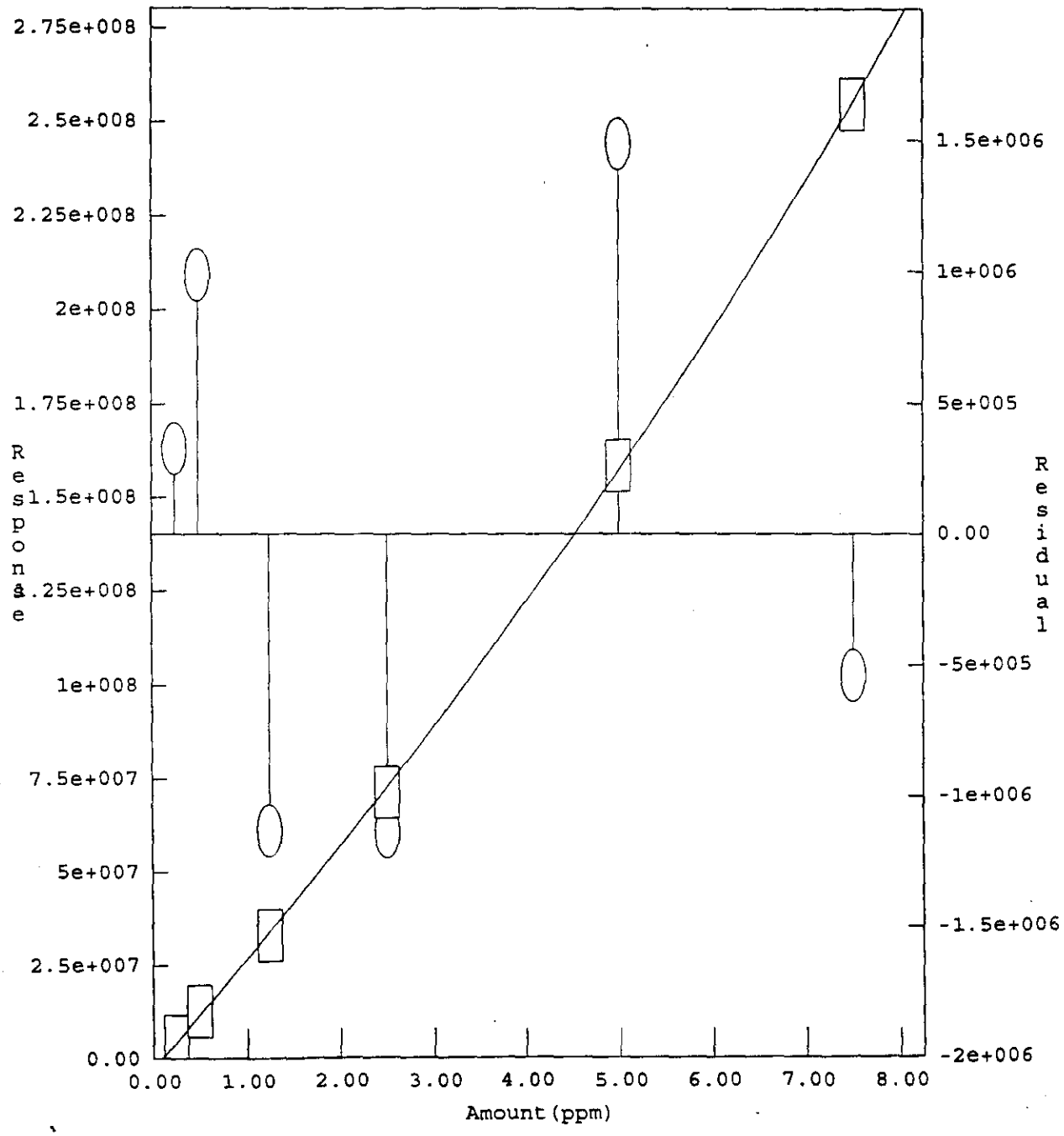
PED file: C:\DX\METHOD\2ANIONS2.PCD
Temperature: 1.7 Deg. C

Method: 2ANIONS2.MET - Last Updated: 14:00 Component: FLUORIDE
Fit Type: Quadratic
r^2 = 0.999970 Sum(abs(Residuals)) = 3.0474e+006
Amt = (-1.112567e-018 * Resp²)+
(2.118654e-008 * Resp)+ 0.0816
Standardization: External
Calibration: Area



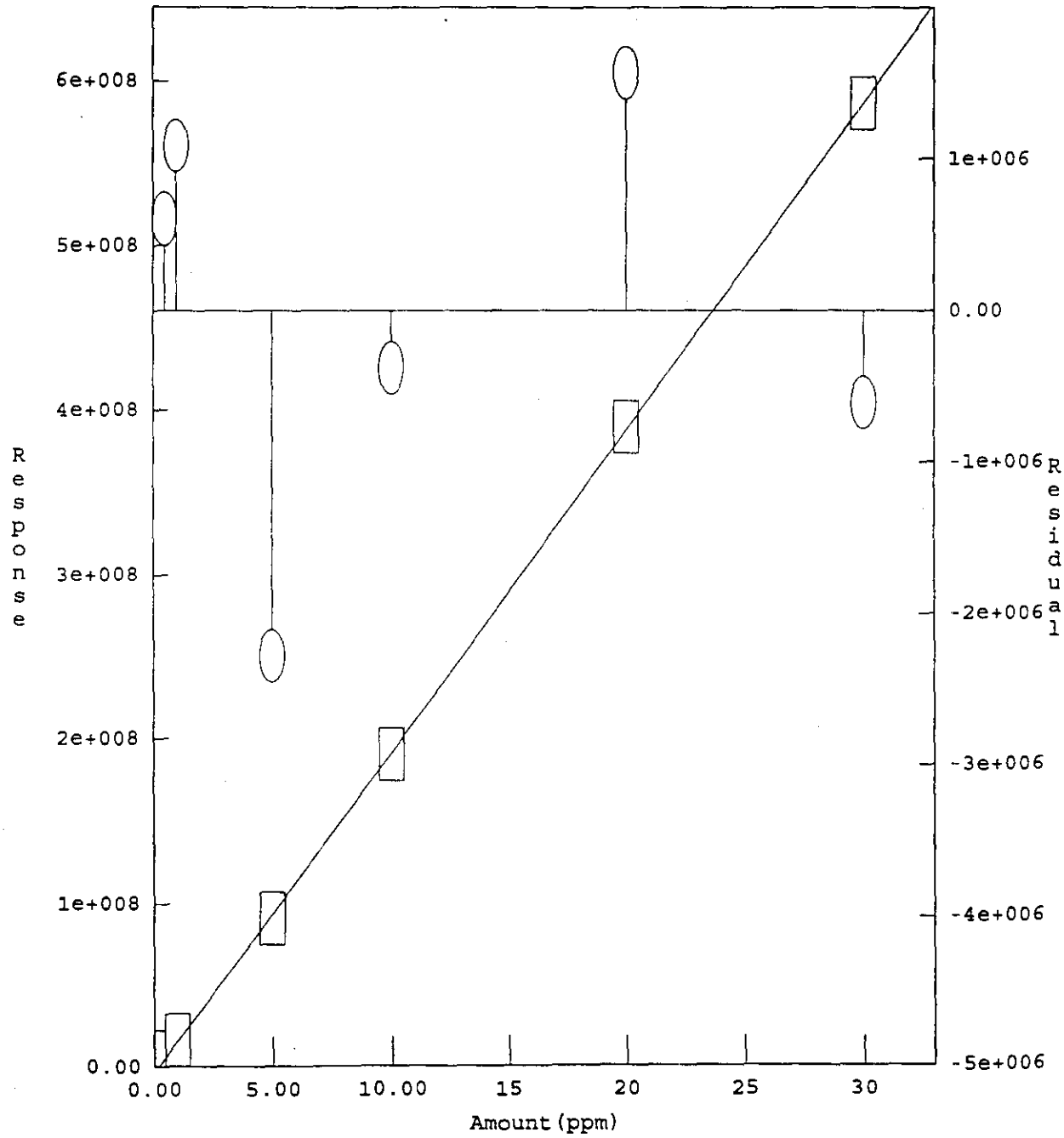
Method: C:\DX\METHOD\2ANIONS2.MET

Component: CHLORIDE
Fit Type: Quadratic
r^2 = 0.999859 Sum(abs(Residuals)) = 5.6019e+006
Amt = (-2.272037e-017 * Resp²)+
(3.481260e-008 * Resp)+ 0.0931
Standardization: External
Calibration: Area



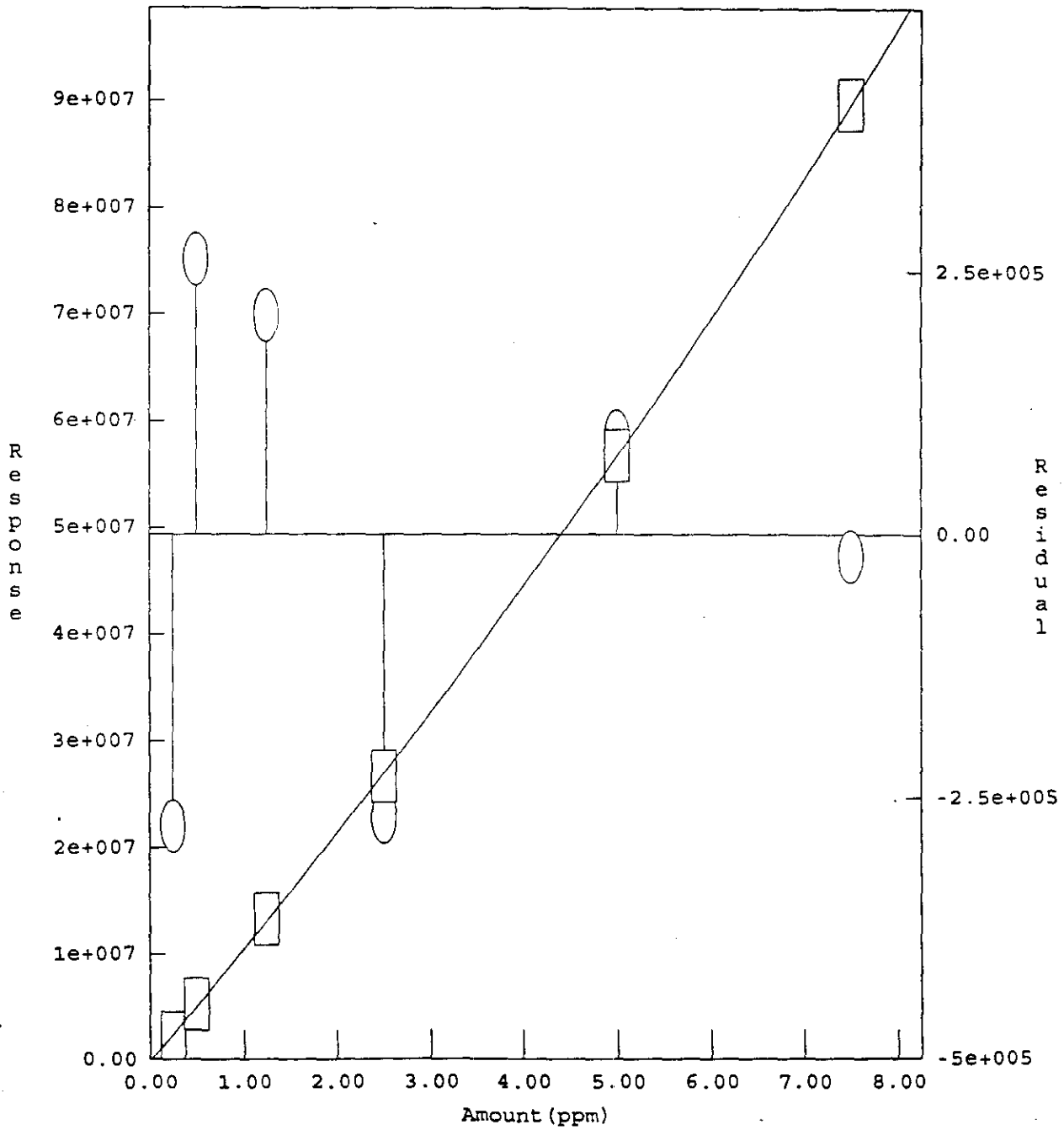
Method: C:\DX\METHOD\2ANIONS2.MET

Component: NITRITE WHC-SD-WM-DP-145, REV. 1
Fit Type: Quadratic
r^2 = 0.999963 Sum(abs(Residuals)) = 6.5202e+006
Amt = (-1.261808e-018 * Resp^2)+
(5.155222e-008 * Resp)+ 0.1910
Standardization: External
Calibration: Area



Method: C:\DX\METHOD\2ANIONS2.MET

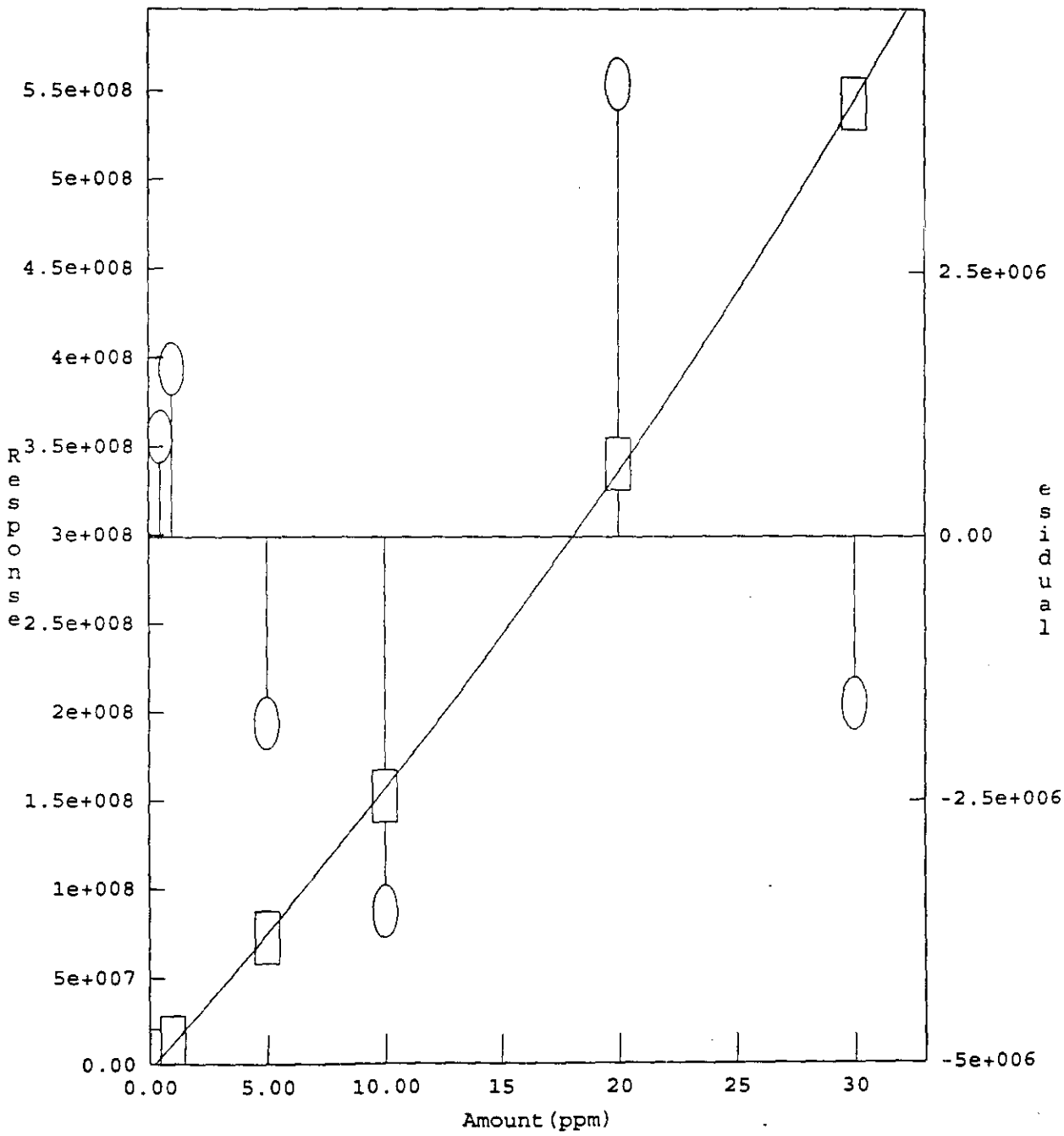
Component: BROMIDE WHC-SD-WM-DP-145, REV. 1
Fit Type: Quadratic
r^2 = 0.999945 Sum(abs(Residuals)) = 1.1296e+006
Amt = (-1.362223e-016 * Resp^2)+
(9.558171e-008 * Resp)+ 0.0219
Standardization: External
Calibration: Area



Method: C:\DX\METHOD\2ANIONS2.MET

Component: NITRATE
Fit Type: Quadratic
r^2 = 0.999817 Sum(abs(Residuals)) = 1.3713e+007
Amt = (-2.036502e-017 * Resp²)+
(6.585818e-008 * Resp)+ 0.2082
Standardization: External
Calibration: Area

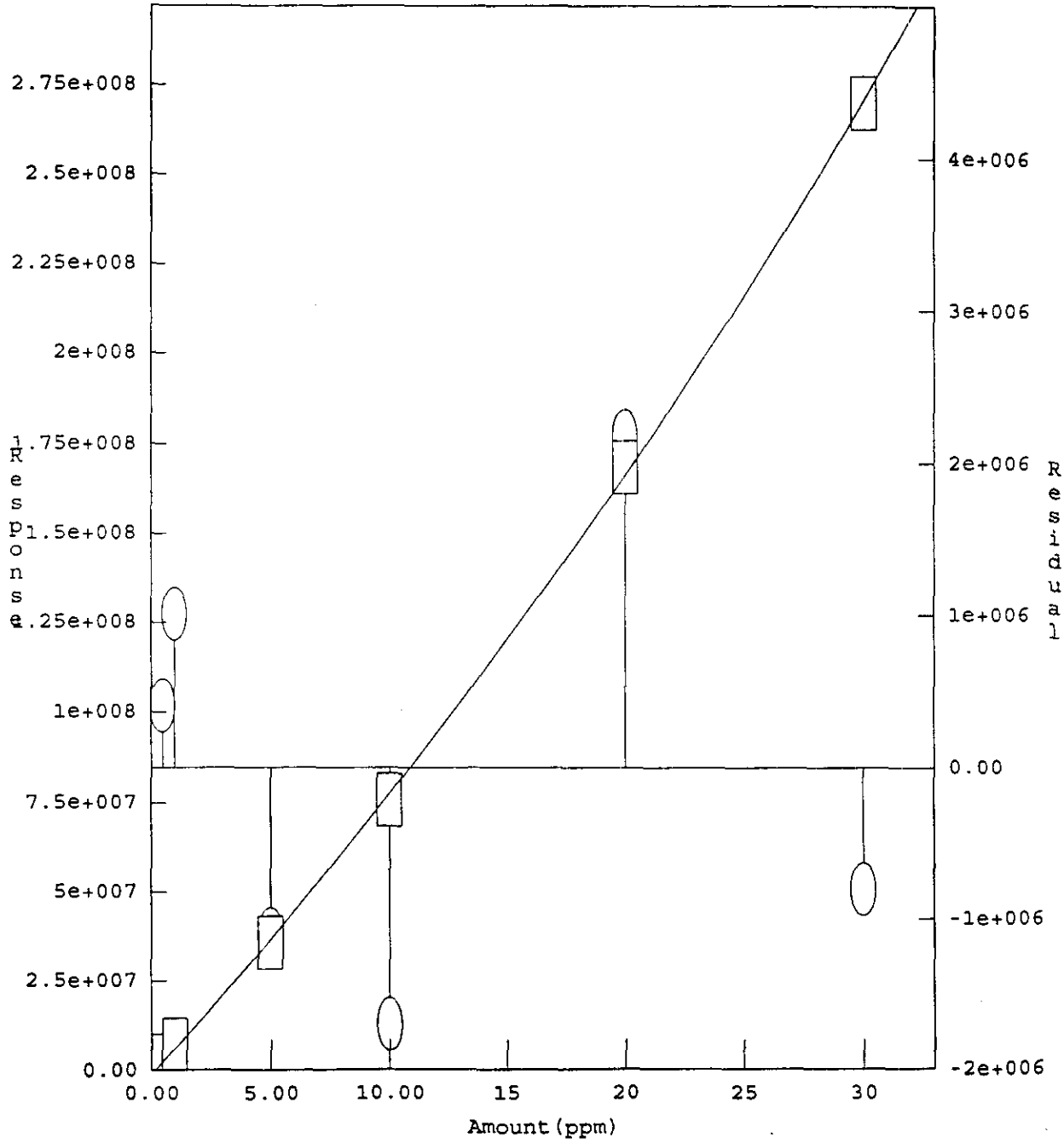
WHC-SD-WM-DP-145, REV. 1



Method: C:\DX\METHOD\2ANIONS2.MET

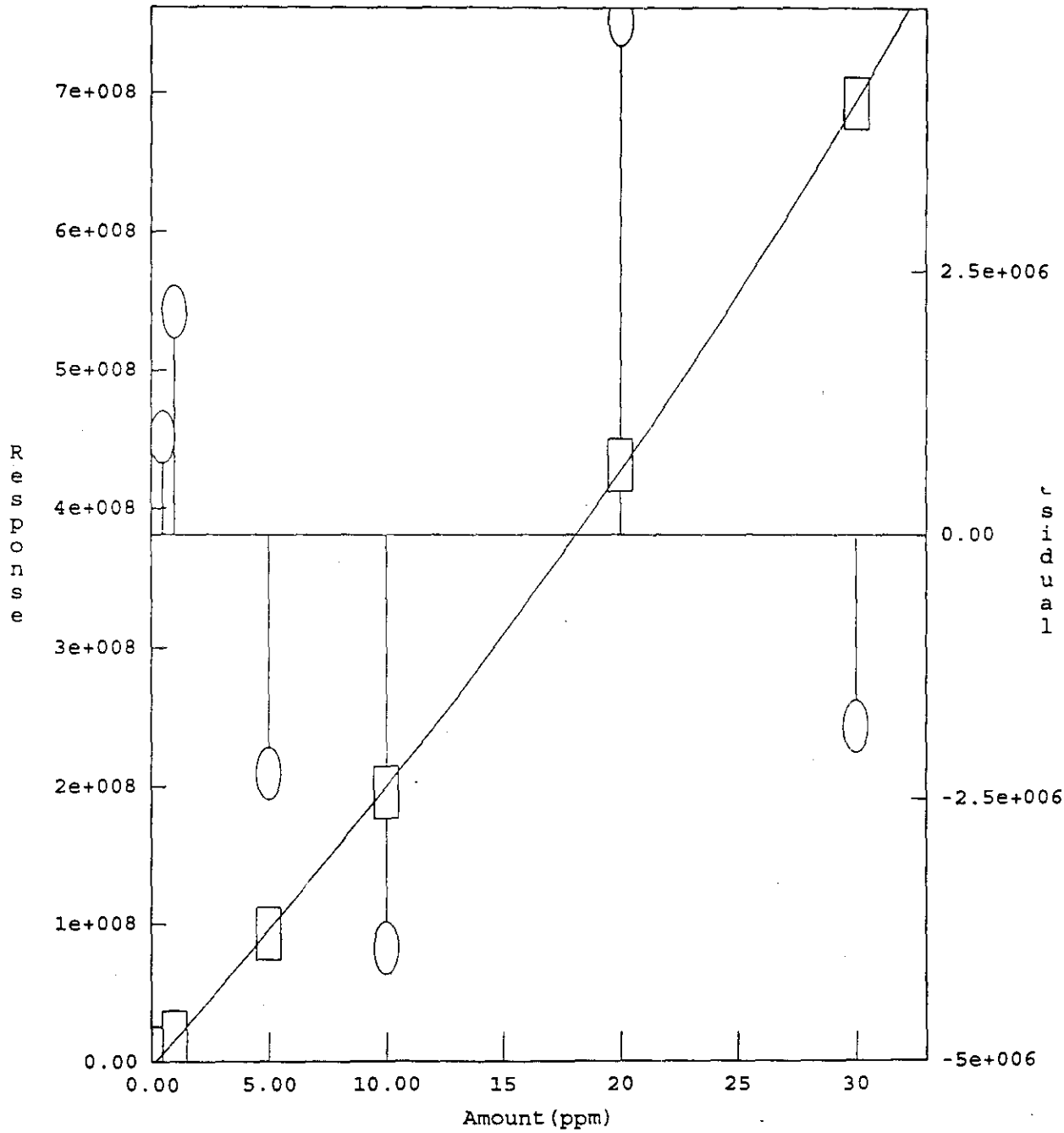
Component: PHOSPHATE
Fit Type: Quadratic
r^2 = 0.999799 Sum(abs(Residuals)) = 7.1964e+006
Amt = (-8.597305e-017 * Resp^2)+
(1.334660e-007 * Resp)+ 0.1855
Standardization: External
Calibration: Area

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



Method: C:\DX\METHOD\2ANIONS2.MET

Component: SULFATE
Fit Type: Quadratic
WHC-SD-WM-DP-145, REV. 1
r^2 = 0.999849 Sum(abs(Residuals)) = 1.59e+007
Amt = (-1.308355e-017 * Resp^2)+
(5.207496e-008 * Resp)+ 0.1603
Standardization: External
Calibration: Area



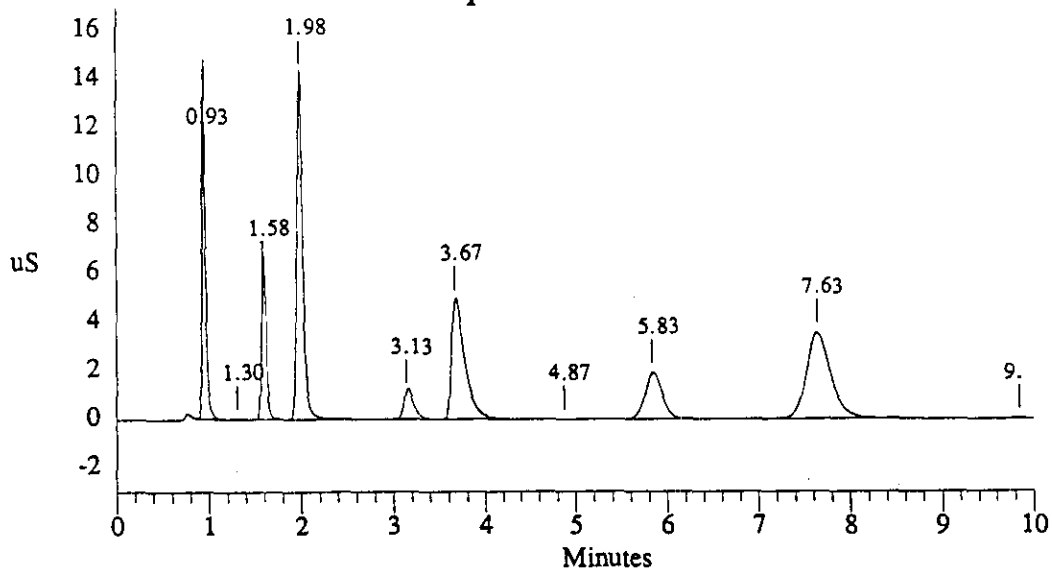
Sample Name: A950609V1/LO - A04 Date: 09/18/1995 11:21:52
Data File : C:\DX\DATA\9509182\95091821.D01
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 1 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.93	FLUORIDE	19.668	10567606	38576422	2	-2.09
2	1.30		0.000	41843	243697	2	
3	1.58	CHLORIDE	19.289	5965790	23117181	1	0.00
4	1.98	NITRITE	77.158	14265855	64152720	1	-0.20
5	3.13	BROMIDE	20.472	1100736	9715838	1	5.40
6	3.67	NITRATE	75.805	4923314	50079925	1	0.00
7	4.87		0.000	17014	247955	1	
8	5.83	PHOSPHATE	79.104	1909510	25567261	1	-1.52
9	7.63	SULFATE	77.643	3554554	66084896	1	0.00
10	9.83		0.000	6212	45620	1	
		Totals	369.138	42352433	277831516		

File: 95091821.D01 Sample: A950609V1/LO - A04



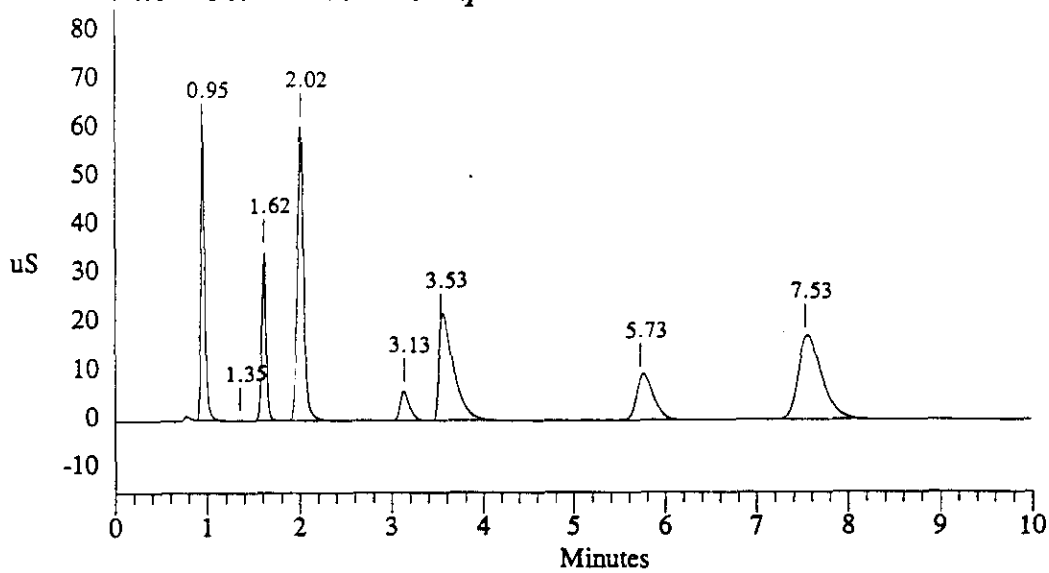
Sample Name: A950609V2/MID - A04 Date: 09/18/1995 11:34:54
Data File : C:\DX\DATA\9509182\95091821.D02
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 2 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	27.160	58379140	176553926	1	-2.39
2	1.35		0.000	127650	627929	1	
3	1.62	CHLORIDE	27.393	34521449	115502166	1	0.00
4	2.02	NITRITE	109.901	60673987	293214682	1	-0.61
5	3.13	BROMIDE	28.062	6116500	43007918	1	3.23
6	3.53	NITRATE	108.342	19238794	242832989	1	0.00
7	5.73	PHOSPHATE	111.664	8982240	123469855	1	0.45
8	7.53	SULFATE	110.281	17012340	318647051	1	0.00
		Totals	522.802	205052101	1313856516		

File: 95091821.D02 Sample: A950609V2/MID - A04



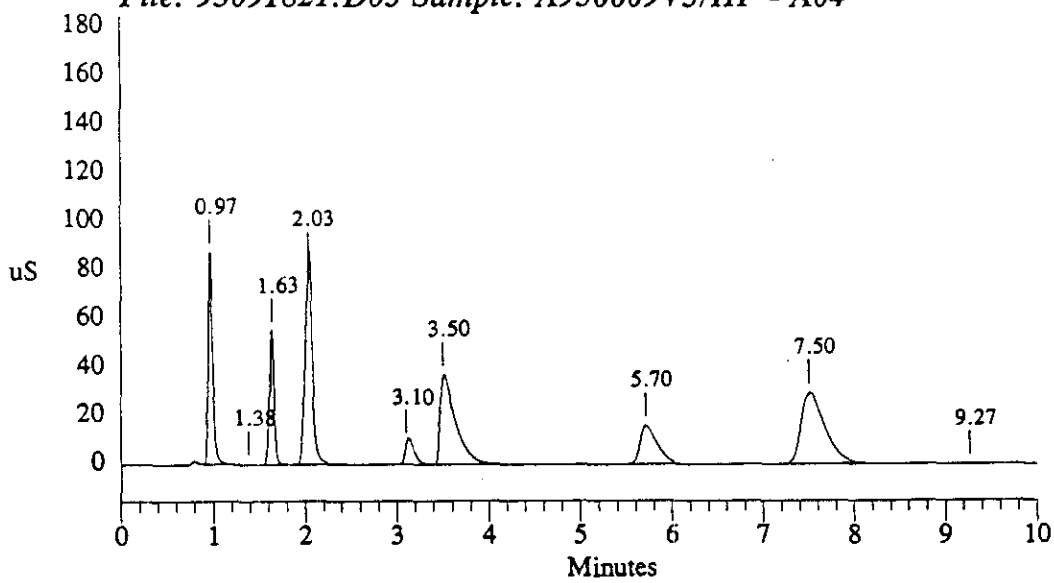
Sample Name: A950609V3/HI - A04 Date: 09/18/1995 11:48:18
Data File : C:\DX\DATA\9509182\95091821.D03
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 3 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	26.522	87379926	294485542	1	-1.69
2	1.38		0.000	170502	891844	1	
3	1.63	CHLORIDE	26.588	54947375	203237789	1	0.00
4	2.03	NITRITE	105.903	82398123	481824117	1	-0.81
5	3.10	BROMIDE	27.032	8786699	73718269	1	1.09
6	3.50	NITRATE	104.762	36760541	425032285	1	0.00
7	5.70	PHOSPHATE	105.836	15863697	212904700	1	0.82
8	7.50	SULFATE	104.870	29418266	548412426	1	0.00
9	9.27		0.000	13856	142478	1	
		Totals	501.512	315738985	2240649449		

File: 95091821.D03 Sample: A950609V3/HI - A04

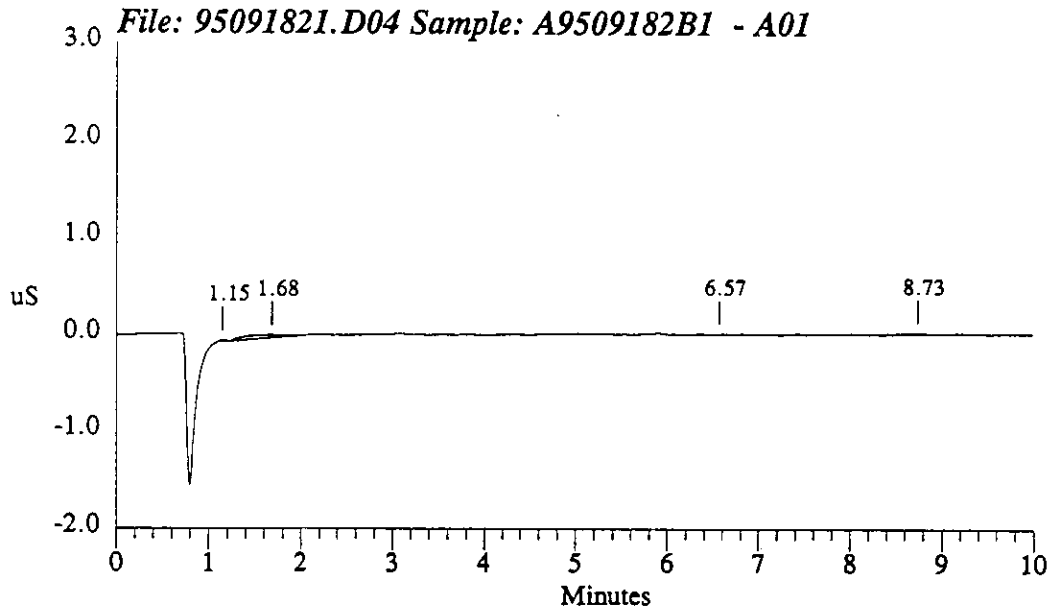


```
Sample Name: A9509182B1  - A01                Date: 09/18/1995 12:04:47
Data File  : C:\DX\DATA\9509182\95091821.D04
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 4   Vial:A01        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	1.15		0.000	16294	69986	1	
2	1.68	CHLORIDE	0.145	32741	1140341	1	0.00
3	6.57		0.000	4724	166456	1	
4	8.73		0.000	8650	250867	1	
		Totals	0.145	62409	1627651		



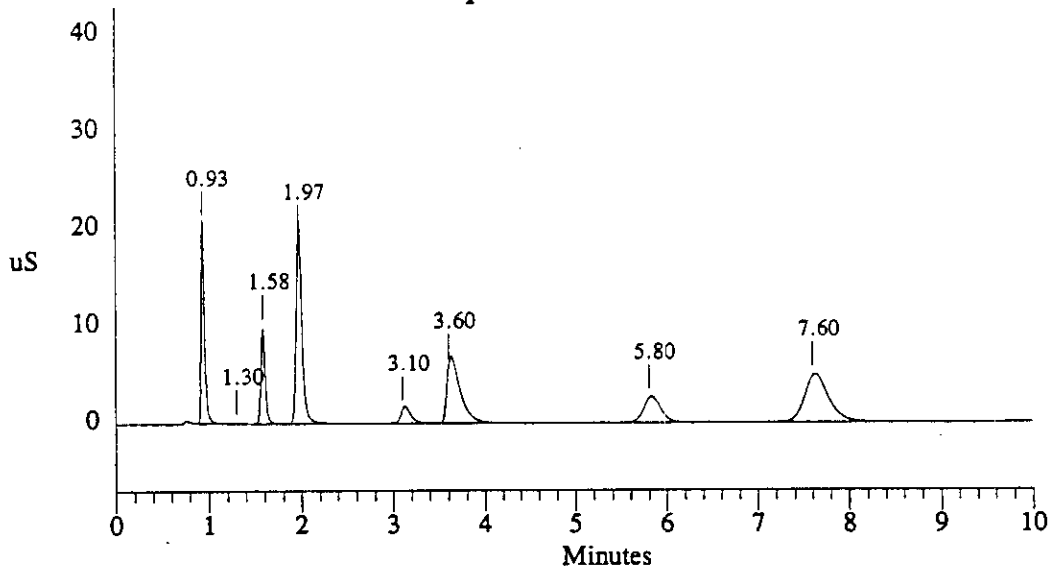
Sample Name: A950609V1/LO - A04 Date: 09/18/1995 12:17:23
Data File : C:\DX\DATA\9509182\95091821.D05
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 5 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.352	20406730	53269336	1	-2.09
2	1.30		0.000	47669	298016	1	
3	1.58	CHLORIDE	25.815	9802055	32079880	1	0.00
4	1.97	NITRITE	105.774	19042850	89622874	1	-1.04
5	3.10	BROMIDE	27.757	1424302	13301491	1	4.28
6	3.60	NITRATE	103.128	5750044	69791291	1	0.00
7	5.80	PHOSPHATE	108.632	2542882	36037461	1	-0.26
8	7.60	SULFATE	106.837	4841526	93179807	1	0.00
		Totals	504.294	63858058	387580155		

File: 95091821.D05 Sample: A950609V1/LO - A04



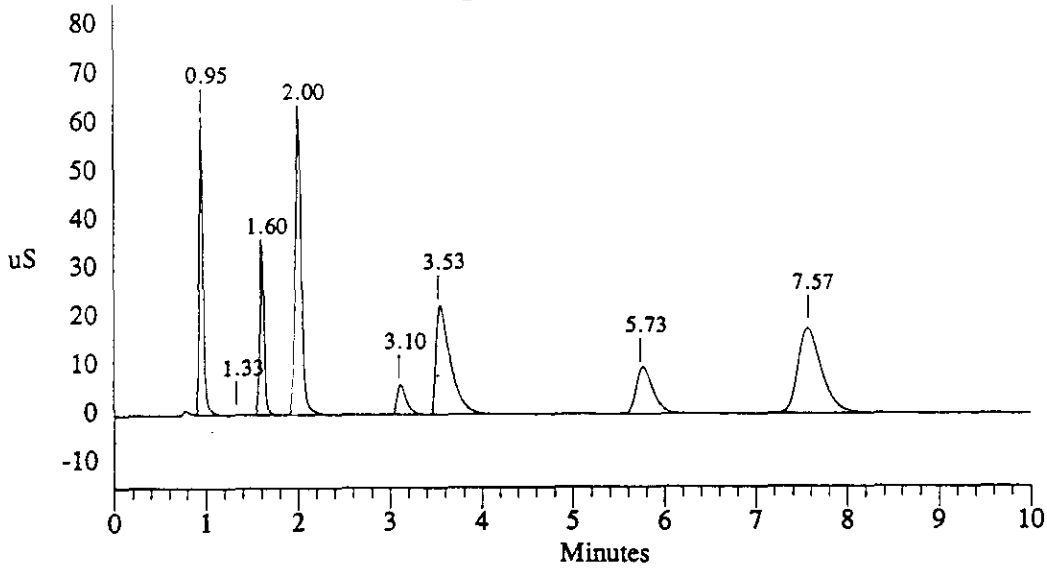
Sample Name: A950609V2/MID - A04 Date: 09/18/1995 12:30:25
Data File : C:\DX\DATA\9509182\95091821.D06
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 6 Vial:A04 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	27.369	60431414	177977693	1	-1.38
2	1.33		0.000	123398	737645	1	
3	1.60	CHLORIDE	27.720	29372505	117066150	1	0.00
4	2.00	NITRITE	110.974	57142143	296198716	1	-0.41
5	3.10	BROMIDE	28.259	5504156	43340890	1	3.19
6	3.53	NITRATE	108.640	21950665	243584803	1	0.00
7	5.73	PHOSPHATE	112.809	8811361	124914114	1	0.45
8	7.57	SULFATE	110.492	17592610	319335494	1	0.00
		Totals	526.262	200928252	1323155503		

File: 95091821.D06 Sample: A950609V2/MID - A04



Data Reprocessed On 09/22/1995 03:35:42

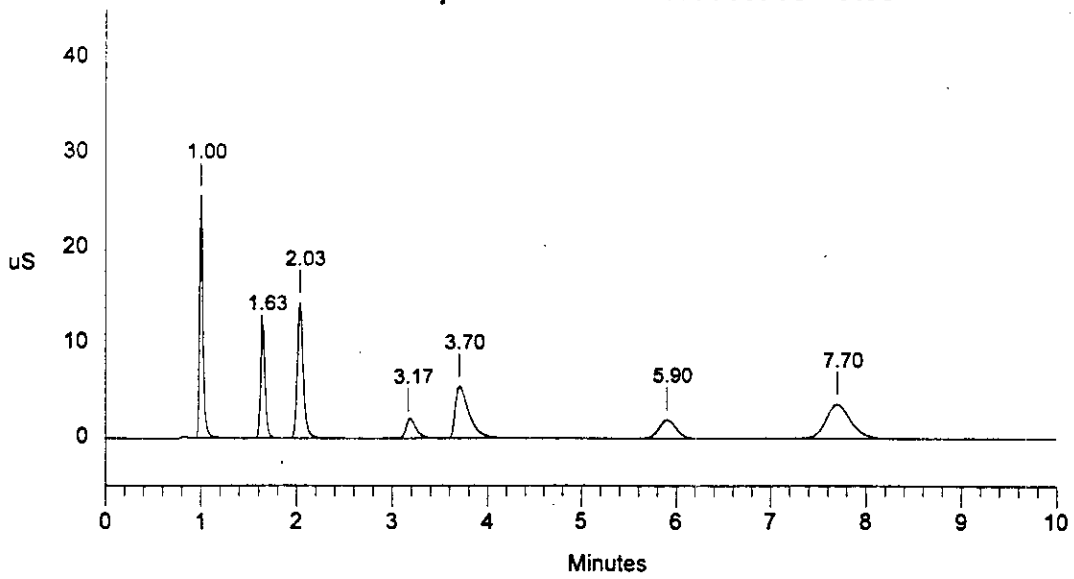
Sample Name: SPIKE CHECK 950713 - A08		Date: 09/18/1995 12:42:51	
Data File : C:\DX\DATA\9509182\95091821.D07			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 7 Vial:A08			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

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	156.750	25443264	64290410	1	1.69
2	1.63	CHLORIDE	154.603	9498629	39181979	1	0.00
3	2.03	NITRITE	377.931	14231690	62757582	1	-0.81
4	3.17	BROMIDE	162.022	1808763	15615802	1	3.26
5	3.70	NITRATE	408.798	5416323	54349991	1	0.00
6	5.90	PHOSPHATE	406.536	1977776	26342222	1	-1.29
7	7.70	SULFATE	392.222	3589627	66823059	1	0.00
		Totals	2058.862	61966072	329361045		

File: 95091821.D07 Sample: SPIKE CHECK 950713 - A08



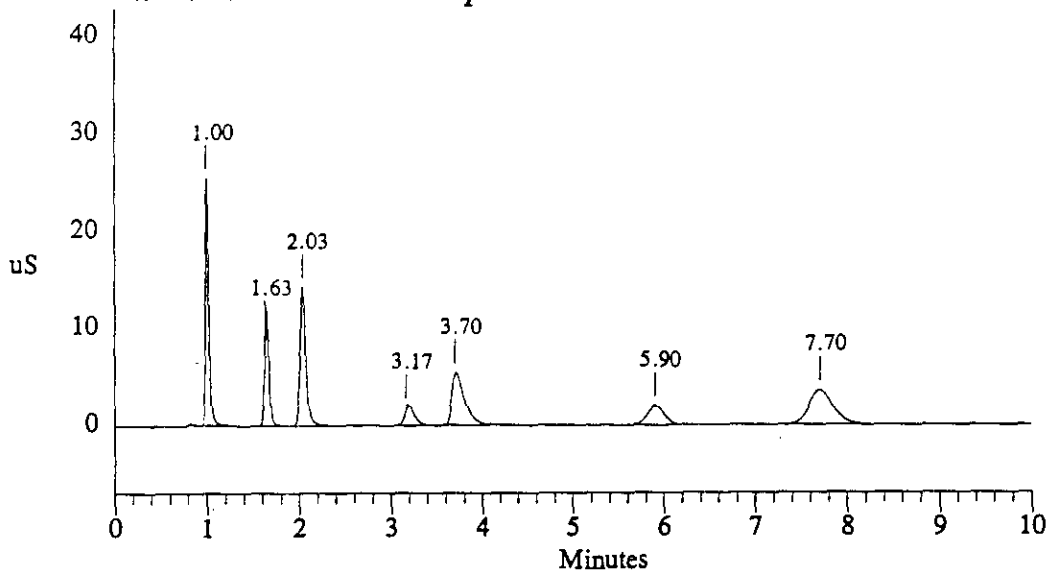
```
==================================================================================
| Sample Name: SPIKE CHECK 950713  - A08      Date: 09/18/1995 12:42:51          |
| Data File  : C:\DX\DATA\9509182\95091821.D07                                   |
| Method     : c:\dx\method\2anions2.met                                         |
| ACI Address: 1  System: 2  Inject#: 7   Vial:A08        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	156.750	25443264	64290410	1	1.69
2	1.63	CHLORIDE	154.603	9498629	39181979	1	0.00
3	2.03	NITRITE	377.931	14231690	62757582	1	-0.81
4	3.17	BROMIDE	162.022	1808763	15615802	1	3.26
5	3.70	NITRATE	408.798	5416323	54349991	1	0.00
6	5.90	PHOSPHATE	406.536	1977776	26342222	1	-1.29
7	7.70	SULFATE	392.222	3589627	66823059	1	0.00
		Totals	2058.862	61966072	329361045		

File: 95091821.D07 Sample: SPIKE CHECK 950713 - A08



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL1R - A06 Date: Mon Sep 18 12:55:18 1995
Raw File : C:\DX\DATA\9509182\95091821.D08
Method : c:\dx\method\2anions2.met Calibration Level: 1
ACI Address: 1 System : 2 Inject#: 8 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	1.00	1.00	8.824e+006	7.689e+006	7.689e+006
2	CHLORIDE	1.63	1.63	1.63	5.668e+006	4.845e+006	4.845e+006
3	NITRITE	2.05	2.03	2.03	7.324e+006	6.599e+006	6.599e+006
4	BROMIDE	3.07	3.20	3.20	2.573e+006	2.118e+006	2.118e+006
5	NITRATE	3.47	3.77	3.77	6.283e+006	5.394e+006	5.394e+006
6	PHOSPHATE	5.60	5.93	5.93	2.499e+006	2.767e+006	2.767e+006
7	SULFATE	7.37	7.73	7.73	7.554e+006	7.462e+006	7.462e+006

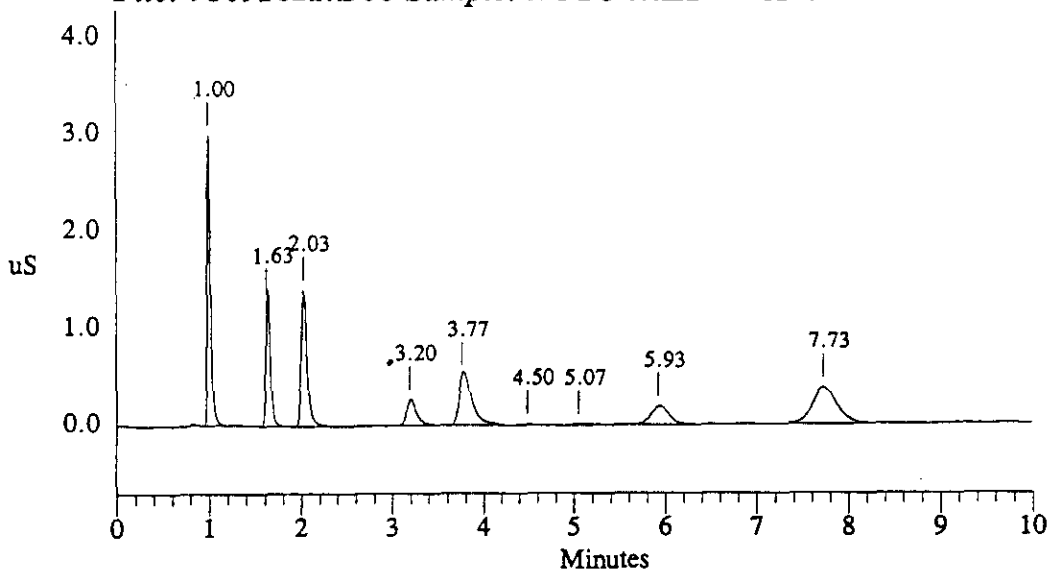
```
Sample Name: AUTOCAL1R  - A06                Date: 09/18/1995 12:55:18
Data File  : C:\DX\DATA\9509182\95091821.D08
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 8   Vial:A06        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	0.250	2989495	7688848	1	1.69
2	1.63	CHLORIDE	0.250	1281974	4845472	1	0.00
3	2.03	NITRITE	0.500	1410918	6598712	1	-0.81
4	3.20	BROMIDE	0.250	270324	2117672	1	4.35
5	3.77	NITRATE	0.500	510985	5394104	1	0.00
6	4.50		0.000	15388	233630	1	
7	5.07		0.000	14231	269059	1	
8	5.93	PHOSPHATE	0.500	190273	2766551	1	-2.49
9	7.73	SULFATE	0.500	379976	7462291	1	0.00
		Totals	2.750	7063563	37376338		

File: 95091821.D08 Sample: AUTOCAL1R - A06



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL2R - A06 Date: Mon Sep 18 13:07:47 1995
Raw File : C:\DX\DATA\9509182\95091821.D09
Method : c:\dx\method\2anions2.met Calibration Level: 2
ACI Address: 1 System : 2 Inject#: 9 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	1.00	0.95	0.95	1.659e+007	2.081e+007	2.081e+007
2	CHLORIDE	1.63	1.60	1.60	1.045e+007	1.276e+007	1.276e+007
3	NITRITE	2.03	1.98	1.98	1.349e+007	1.678e+007	1.678e+007
4	BROMIDE	3.20	3.13	3.13	4.334e+006	5.299e+006	5.299e+006
5	NITRATE	3.77	3.70	3.70	1.122e+007	1.366e+007	1.366e+007
6	PHOSPHATE	5.93	5.87	5.87	5.485e+006	7.131e+006	7.131e+006
7	SULFATE	7.73	7.67	7.67	1.462e+007	1.830e+007	1.830e+007

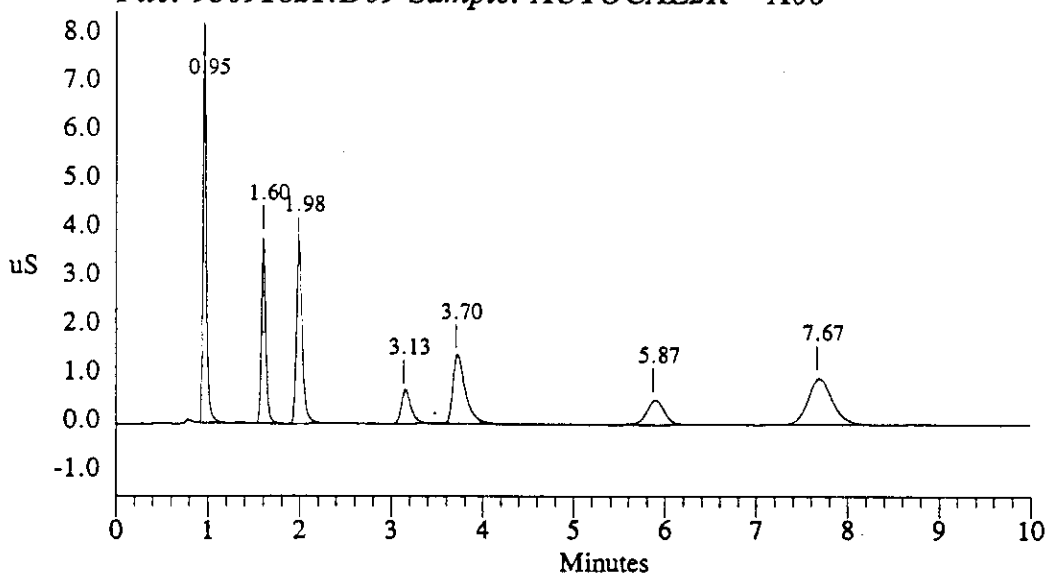
```
Sample Name: AUTOCAL2R  - A06                Date: 09/18/1995 13:07:47
Data File  : C:\DX\DATA\9509182\95091821.D09
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 9   Vial:A06        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	0.95	FLUORIDE	0.500	6368331	20814795	1	-3.02
2	1.60	CHLORIDE	0.500	3791184	12762730	1	0.00
3	1.98	NITRITE	1.000	3563434	16783393	1	-0.43
4	3.13	BROMIDE	0.500	627037	5299024	1	-0.04
5	3.70	NITRATE	1.000	1345961	13657420	1	0.00
6	5.87	PHOSPHATE	1.000	481994	7130851	1	0.66
7	7.67	SULFATE	1.000	942354	18300828	1	0.00
		Totals	5.500	17120295	94749041		

File: 95091821.D09 Sample: AUTOCAL2R - A06



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL3R - A07 Date: Mon Sep 18 13:20:25 1995
Raw File : C:\DX\DATA\9509182\95091821.D10
Method : c:\dx\method\2anions2.met Calibration Level: 3
ACI Address: 1 System : 2 Inject#: 10 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	0.93	0.93	4.867e+007	5.410e+007	5.410e+007
2	CHLORIDE	1.60	1.58	1.58	2.957e+007	3.285e+007	3.285e+007
3	NITRITE	1.98	1.98	1.98	8.181e+007	9.122e+007	9.122e+007
4	BROMIDE	3.13	3.13	3.13	1.199e+007	1.330e+007	1.330e+007
5	NITRATE	3.70	3.63	3.63	6.456e+007	7.272e+007	7.272e+007
6	PHOSPHATE	5.87	5.83	5.83	3.209e+007	3.585e+007	3.585e+007
7	SULFATE	7.67	7.63	7.63	8.349e+007	9.295e+007	9.295e+007

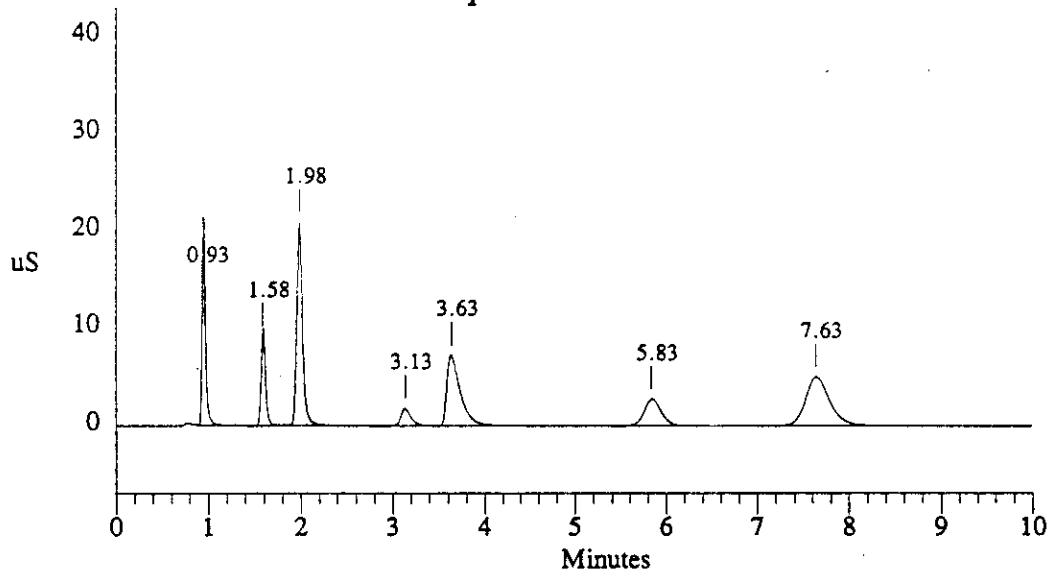
```
Sample Name: AUTOCAL3R  - A07                Date: 09/18/1995 13:20:25
Data File  : C:\DX\DATA\9509182\95091821.D10
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 10  Vial:A07        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	0.93	FLUORIDE	1.250	12675747	54095213	1	-0.72
2	1.58	CHLORIDE	1.250	9149777	32854046	1	0.00
3	1.98	NITRITE	5.000	20860747	91218361	1	1.05
4	3.13	BROMIDE	1.250	1792125	13300785	1	1.05
5	3.63	NITRATE	5.000	7206070	72719418	1	0.00
6	5.83	PHOSPHATE	5.000	2699095	35850351	1	1.26
7	7.63	SULFATE	5.000	5015693	92954239	1	0.00
		Totals	23.750	59399253	392992413		

File: 95091821.D10 Sample: AUTOCAL3R - A07



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL4R - A07 Date: Mon Sep 18 13:33:15 1995
Raw File : C:\DX\DATA\9509182\95091821.D11
Method : c:\dx\method\2anions2.met Calibration Level: 4
ACI Address: 1 System : 2 Inject#: 11 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	1.047e+008	1.152e+008	1.152e+008
2	CHLORIDE	1.58	1.60	1.60	6.480e+007	7.144e+007	7.144e+007
3	NITRITE	1.98	1.98	1.98	1.728e+008	1.908e+008	1.908e+008
4	BROMIDE	3.13	3.10	3.10	2.444e+007	2.669e+007	2.669e+007
5	NITRATE	3.63	3.57	3.57	1.397e+008	1.527e+008	1.527e+008
6	PHOSPHATE	5.83	5.80	5.80	6.832e+007	7.570e+007	7.570e+007
7	SULFATE	7.63	7.60	7.60	1.800e+008	1.950e+008	1.950e+008

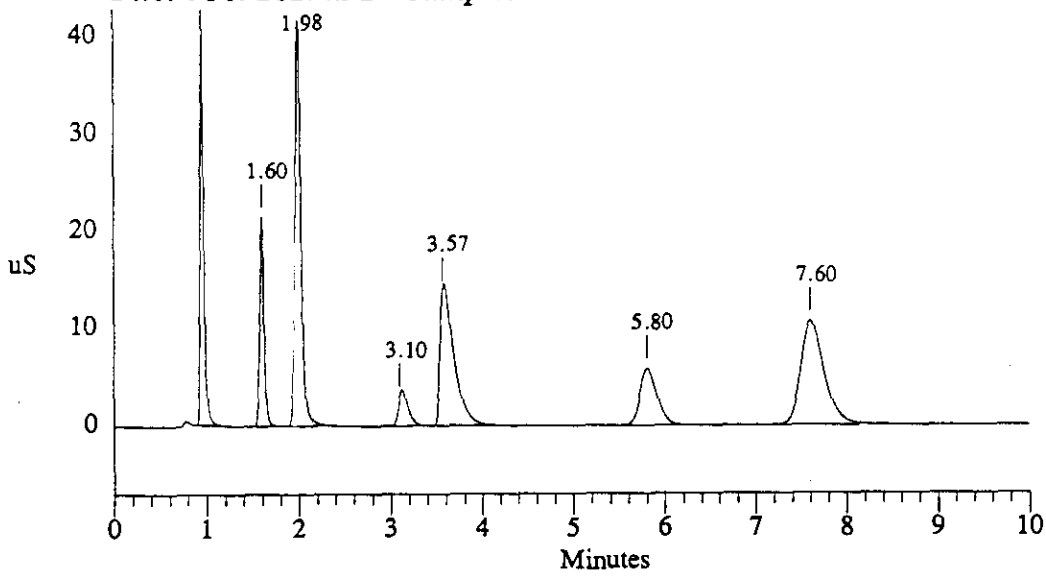
Sample Name: AUTOCAL4R - A07 Date: 09/18/1995 13:33:15
Data File : C:\DX\DATA\9509182\95091821.D11
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 11 Vial:A07 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.95	FLUORIDE	2.500	41482205	115247767	1	0.73
2	1.60	CHLORIDE	2.500	21545453	71439884	1	0.00
3	1.98	NITRITE	10.000	36750621	190789608	1	-1.04
4	3.10	BROMIDE	2.500	2995385	26693754	1	-2.09
5	3.57	NITRATE	10.000	13922341	152684299	1	0.00
6	5.80	PHOSPHATE	10.000	5833662	75695444	1	1.29
7	7.60	SULFATE	10.000	10689588	194977955	1	0.00
		Totals	47.500	133219255	827528711		

File: 95091821.D11 Sample: AUTOCAL4R - A07



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL5R - A07 Date: Mon Sep 18 13:46:29 1995
Raw File : C:\DX\DATA\9509182\95091821.D12
Method : c:\dx\method\2anions2.met Calibration Level: 5
ACI Address: 1 System : 2 Inject#: 12 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	0.97	0.97	2.207e+008	2.351e+008	2.351e+008
2	CHLORIDE	1.60	1.62	1.62	1.468e+008	1.585e+008	1.585e+008
3	NITRITE	1.98	2.02	2.02	3.618e+008	3.895e+008	3.895e+008
4	BROMIDE	3.10	3.10	3.10	5.221e+007	5.675e+007	5.675e+007
5	NITRATE	3.57	3.50	3.50	3.118e+008	3.396e+008	3.396e+008
6	PHOSPHATE	5.80	5.73	5.73	1.533e+008	1.684e+008	1.684e+008
7	SULFATE	7.60	7.53	7.53	4.007e+008	4.316e+008	4.316e+008

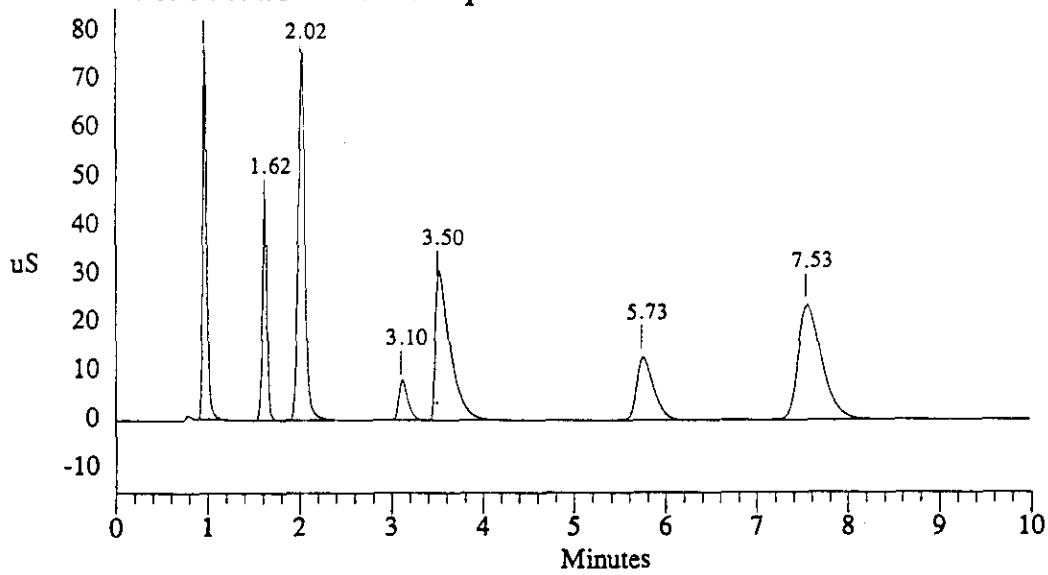
Sample Name: AUTOCAL5R - A07	Date: 09/18/1995 13:46:29
Data File : C:\DX\DATA\9509182\95091821.D12	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 12 Vial:A07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	0.97	FLUORIDE	5.000	75389138	235116739	1	0.71
2	1.62	CHLORIDE	5.000	42934701	158532798	1	0.00
3	2.02	NITRITE	20.000	70520219	389503942	1	0.63
4	3.10	BROMIDE	5.000	7463468	56751424	1	-1.03
5	3.50	NITRATE	20.000	28086330	339571749	1	0.00
6	5.73	PHOSPHATE	20.000	12619223	168444924	1	0.73
7	7.53	SULFATE	20.000	23332161	431622216	1	0.00
		Totals	95.000	260345241	1779543793		

File: 95091821.D12 Sample: AUTOCAL5R - A07



********** AUTOMATIC CALIBRATION UPDATE **********

Sample Name: AUTOCAL6R - A07 Date: Mon Sep 18 14:00:08 1995
Raw File : C:\DX\DATA\9509182\95091821.D13
Method : c:\dx\method\2anions2.met Calibration Level: 6
ACI Address: 1 System : 2 Inject#: 13 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	0.98	0.98	3.348e+008	3.568e+008	3.568e+008
2	CHLORIDE	1.62	1.63	1.63	2.359e+008	2.548e+008	2.548e+008
3	NITRITE	2.02	2.05	2.05	5.489e+008	5.860e+008	5.860e+008
4	BROMIDE	3.10	3.10	3.10	8.357e+007	8.969e+007	8.969e+007
5	NITRATE	3.50	3.47	3.47	5.037e+008	5.422e+008	5.422e+008
6	PHOSPHATE	5.73	5.70	5.70	2.501e+008	2.697e+008	2.697e+008
7	SULFATE	7.53	7.50	7.50	6.501e+008	6.922e+008	6.922e+008

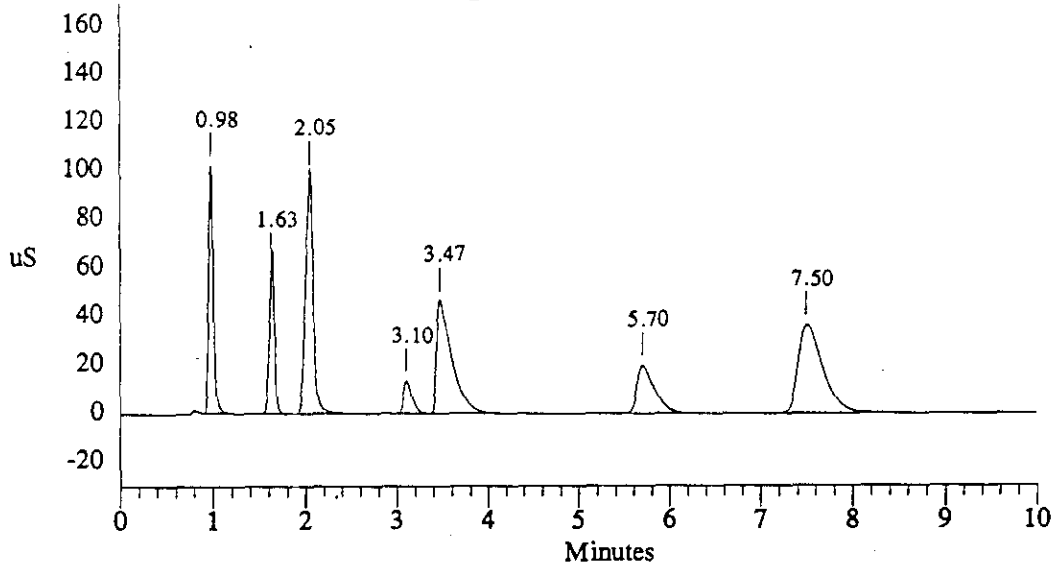
Sample Name: AUTOCAL6R - A07	Date: 09/18/1995 14:00:08
Data File : C:\DX\DATA\9509182\95091821.D13	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 13 Vial:A07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	102103335	356783699	1	0.69
2	1.63	CHLORIDE	7.500	61024964	254764252	1	0.00
3	2.05	NITRITE	30.000	99052306	586048139	1	0.62
4	3.10	BROMIDE	7.500	13302163	89685794	1	-1.02
5	3.47	NITRATE	30.000	46711030	542230875	1	0.00
6	5.70	PHOSPHATE	30.000	19920959	269720570	1	0.37
7	7.50	SULFATE	30.000	36665126	692233250	1	0.00
		Totals	142.500	378779883	2791466579		

File: 95091821.D13 Sample: AUTOCAL6R - A07



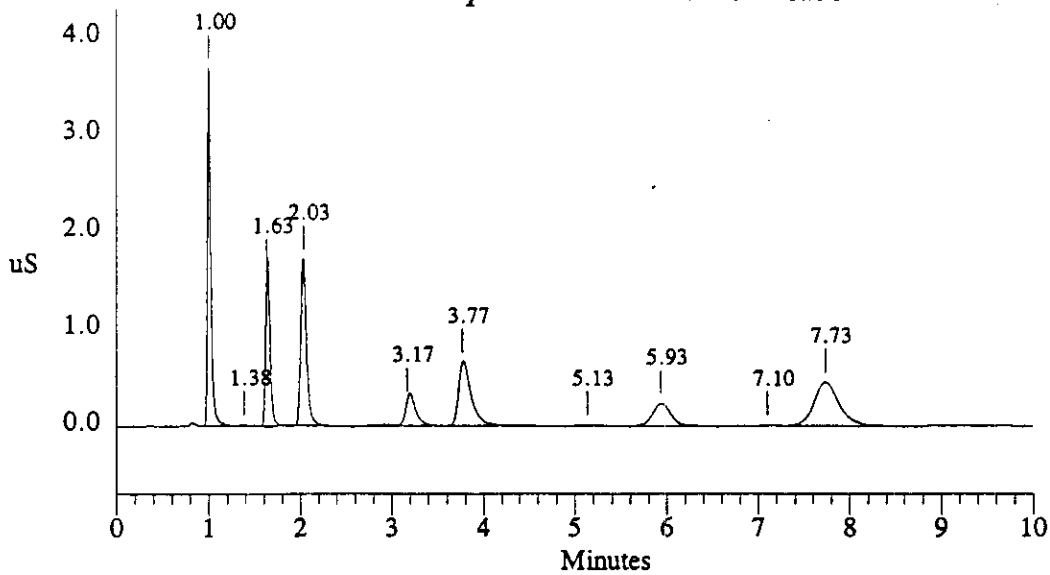
Sample Name: CAL CHECK 1 - A06 Date: 09/18/1995 14:12:36
Data File : C:\DX\DATA\9509182\95091821.D14
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 14 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	28.462	3685355	9586369	2	1.69
2	1.38		0.000	16050	155391	2	
3	1.63	CHLORIDE	29.652	1581806	5865104	1	0.00
4	2.03	NITRITE	58.467	1714298	7637102	1	-0.81
5	3.17	BROMIDE	30.124	259871	2934278	1	2.15
6	3.77	NITRATE	64.699	657190	6675881	1	0.00
7	5.13		0.000	16320	225190	1	
8	5.93	PHOSPHATE	64.391	236554	3442022	1	-4.20
9	7.10		0.000	11993	171633	1	
10	7.73	SULFATE	61.998	455847	8846079	1	0.00
		Totals	337.792	8635283	45539047		

File: 95091821.D14 Sample: CAL CHECK 1 - A06



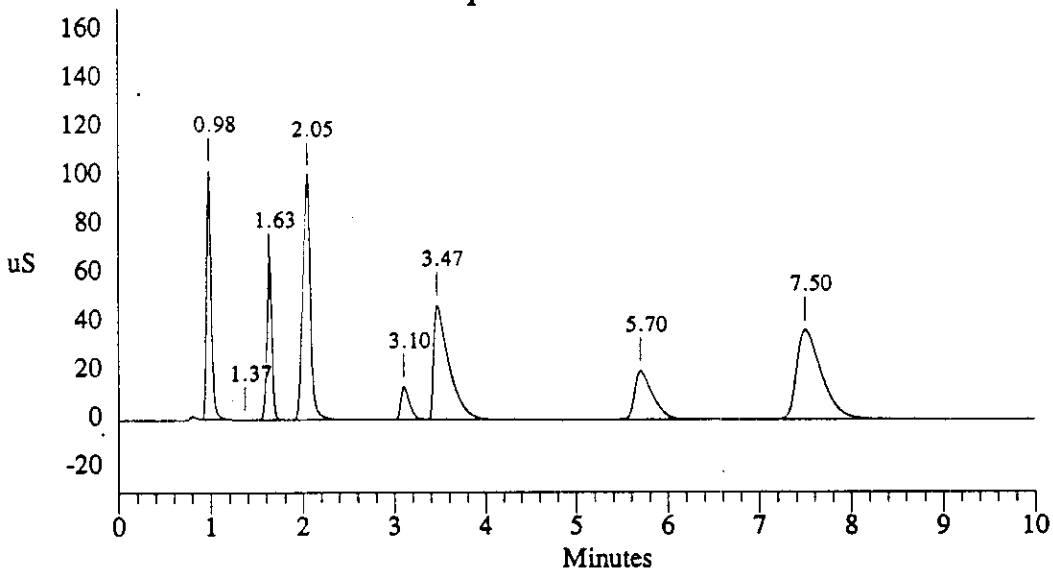
```
Sample Name: CAL CHECK 6  - A07              Date: 09/18/1995 14:26:15
Data File  : C:\DX\DATA\9509182\95091821.D15
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 15  Vial:A07        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	25.097	102077103	358252942	1	0.00
2	1.37		0.000	45150	255709	1	
3	1.63	CHLORIDE	24.980	63157737	255039973	1	0.00
4	2.05	NITRITE	100.639	100565094	590481960	1	0.00
5	3.10	BROMIDE	25.115	13594188	90192758	1	0.00
6	3.47	NITRATE	100.517	47208189	547360068	1	0.00
7	5.70	PHOSPHATE	100.479	20082747	272186628	1	0.00
8	7.50	SULFATE	100.554	36995094	698939918	1	0.00
		Totals	477.380	383725302	2812709956		

File: 95091821.D15 Sample: CAL CHECK 6 - A07



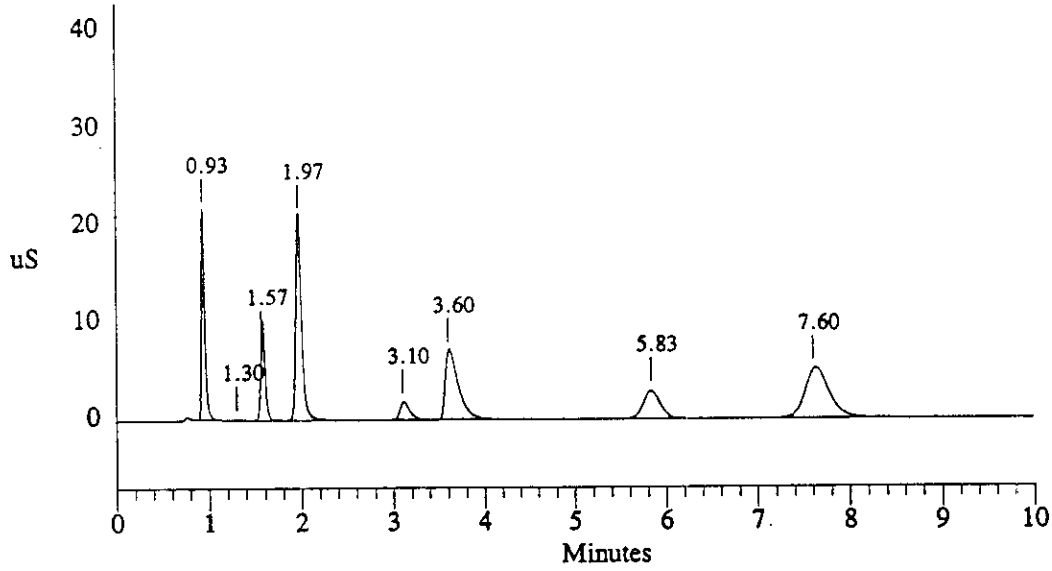
```
Sample Name: A950609V1/LO  - A04            Date: 09/18/1995 14:38:52
Data File  : C:\DX\DATA\9509182\95091821.D16
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 16  Vial:A04        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	25.206	21474683	55796403	1	-1.05
2	1.30		0.000	46006	230375	1	
3	1.57	CHLORIDE	24.876	7831180	33798730	1	0.00
4	1.97	NITRITE	100.170	20887220	93663375	1	0.02
5	3.10	BROMIDE	26.309	1743510	13804414	1	4.26
6	3.60	NITRATE	96.292	6919408	71526018	1	0.00
7	5.83	PHOSPHATE	100.451	2849160	37129612	1	-1.45
8	7.60	SULFATE	100.089	4997776	95303833	1	0.00
		Totals	473.393	66748943	401252760		

File: 95091821.D16 Sample: A950609V1/LO - A04



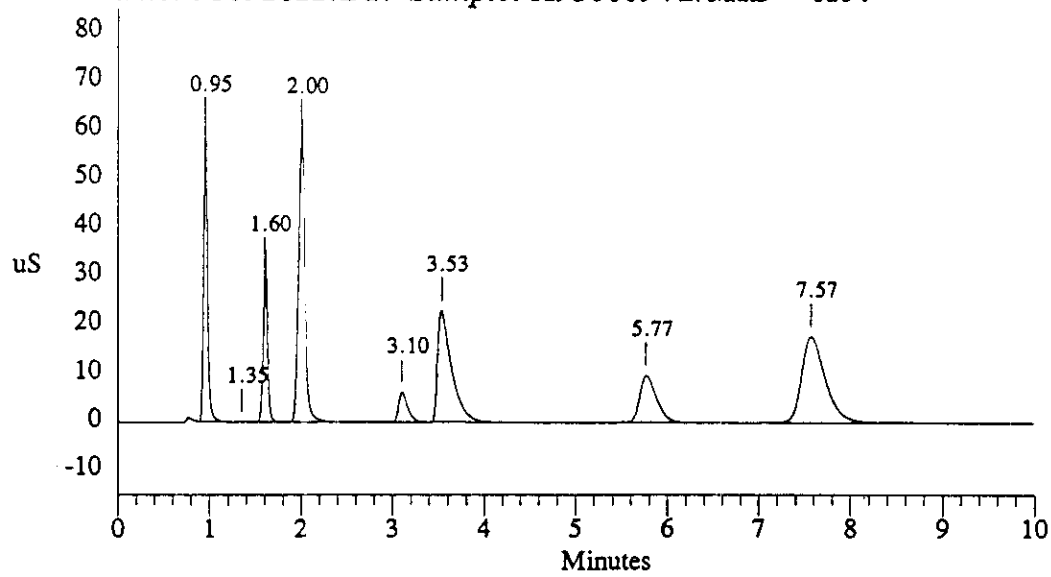
```
Sample Name: A950609V2/MID  - A04          Date: 09/18/1995 14:51:53
Data File  : C:\DX\DATA\9509182\95091821.D17
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 17  Vial:A04        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```

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	25.857	59755381	180935923	1	-1.38
2	1.35		0.000	125447	654485	1	
3	1.60	CHLORIDE	25.714	31144581	117067336	1	0.00
4	2.00	NITRITE	103.589	59548894	299906239	1	-0.41
5	3.10	BROMIDE	26.425	6254578	43999404	1	2.08
6	3.53	NITRATE	99.753	23030164	242172578	1	0.00
7	5.77	PHOSPHATE	104.553	9804628	126408024	1	-0.74
8	7.57	SULFATE	104.095	17815889	322971199	1	0.00
		Totals	489.987	207479561	1334115189		

File: 95091821.D17 Sample: A950609V2/MID - A04



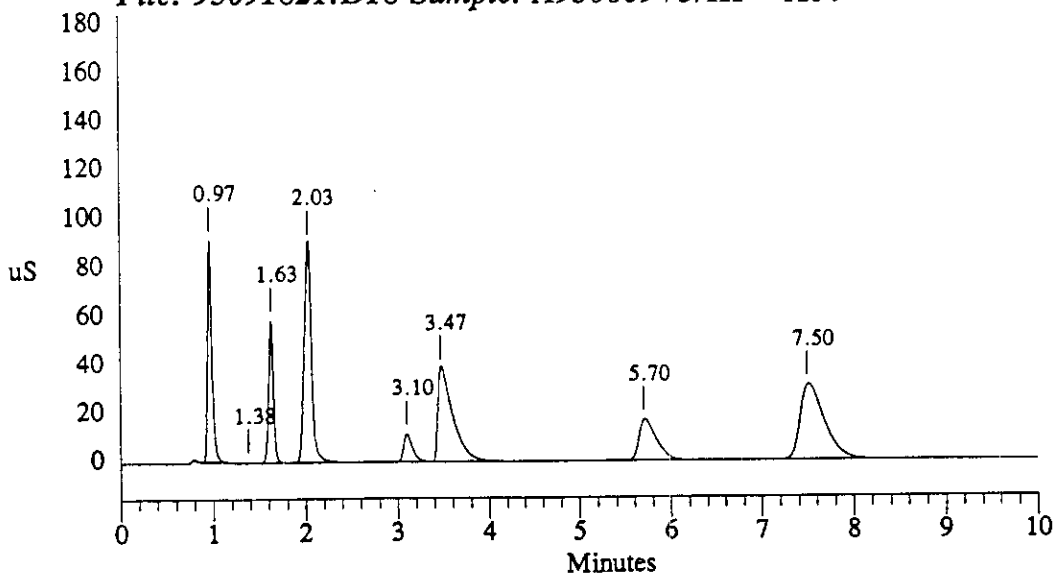
```
==========================================================================
| Sample Name: A950609V3/HI  - A04            Date: 09/18/1995 15:05:18  |
| Data File  : C:\DX\DATA\9509182\95091821.D18                           |
| Method     : c:\dx\method\2anions2.met                                 |
| 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	25.717	91475717	304471110	1	-1.69
2	1.38		0.000	178605	948869	1	
3	1.63	CHLORIDE	25.901	58789449	212912248	1	0.00
4	2.03	NITRITE	103.408	89945465	503982327	1	-0.81
5	3.10	BROMIDE	26.354	11629652	77192214	1	0.00
6	3.47	NITRATE	101.591	38377362	443229001	1	0.00
7	5.70	PHOSPHATE	105.206	16911494	229646493	1	0.00
8	7.50	SULFATE	104.476	31203305	584250092	1	0.00
		Totals	492.652	338511049	2356632354		

File: 95091821.D18 Sample: A950609V3/HI - A04

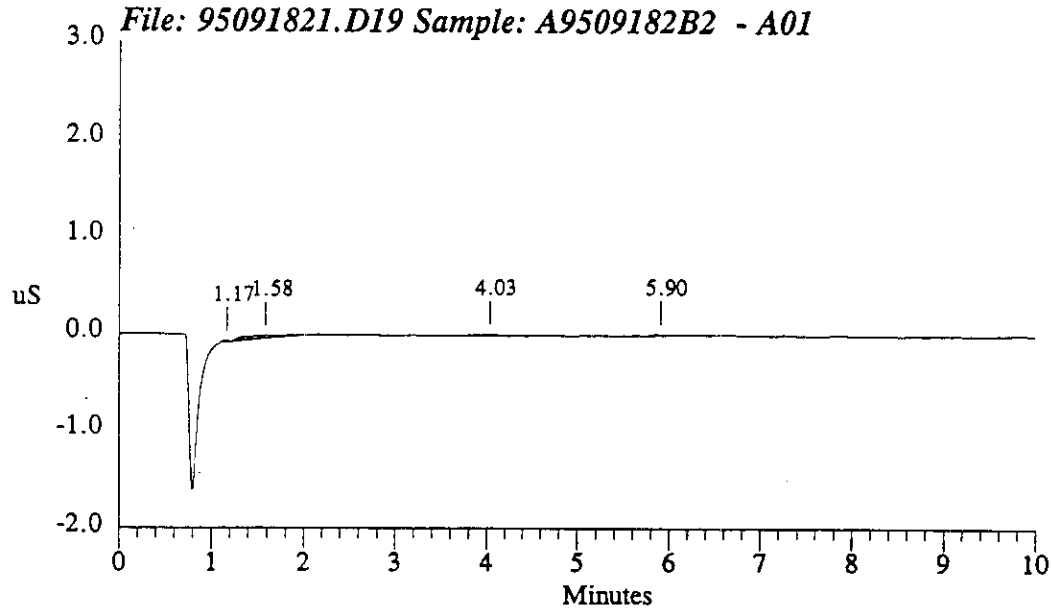


Sample Name: A9509182B2 - A01 Date: 09/18/1995 15:21:46
Data File : C:\DX\DATA\9509182\95091821.D19
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 19 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.17		0.000	18096	73342	1	
2	1.58	CHLORIDE	0.125	30677	922615	1	0.00
3	4.03		0.000	16044	471907	1	
4	5.90	PHOSPHATE	0.238	15819	393046	1	3.51
		Totals	0.363	80635	1860910		

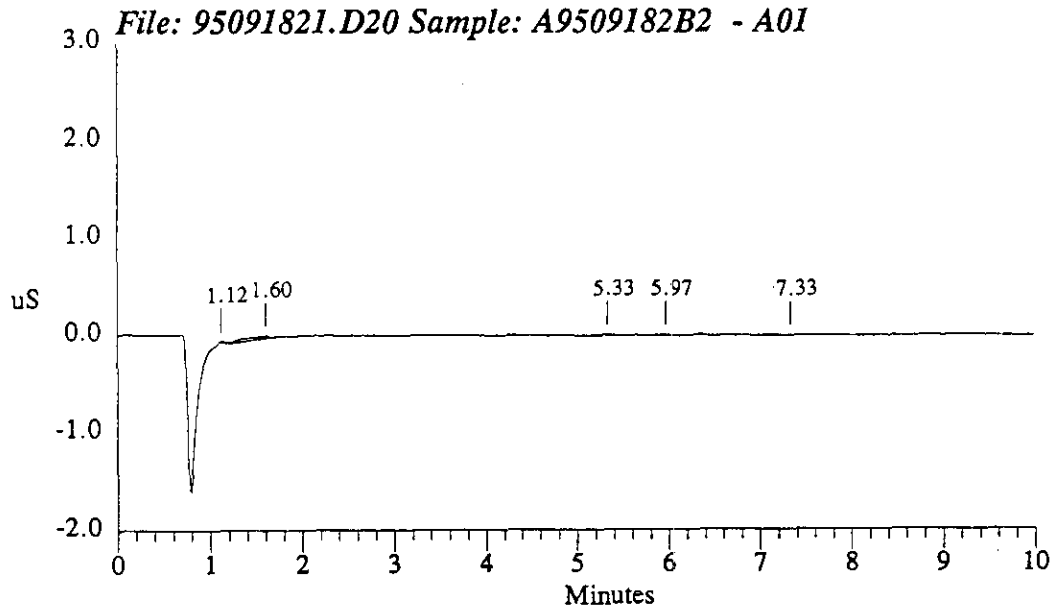


Sample Name: A9509182B2 - A01 Date: 09/18/1995 15:38:12
Data File : C:\DX\DATA\9509182\95091821.D20
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 20 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.12		0.000	14976	72098	1	
2	1.60	CHLORIDE	0.116	26682	663019	1	0.00
3	5.33		0.000	8125	170518	1	
4	5.97	PHOSPHATE	0.205	11099	142932	1	4.68
5	7.33	SULFATE	0.172	6071	215217	1	0.00
		Totals	0.492	66952	1263783		

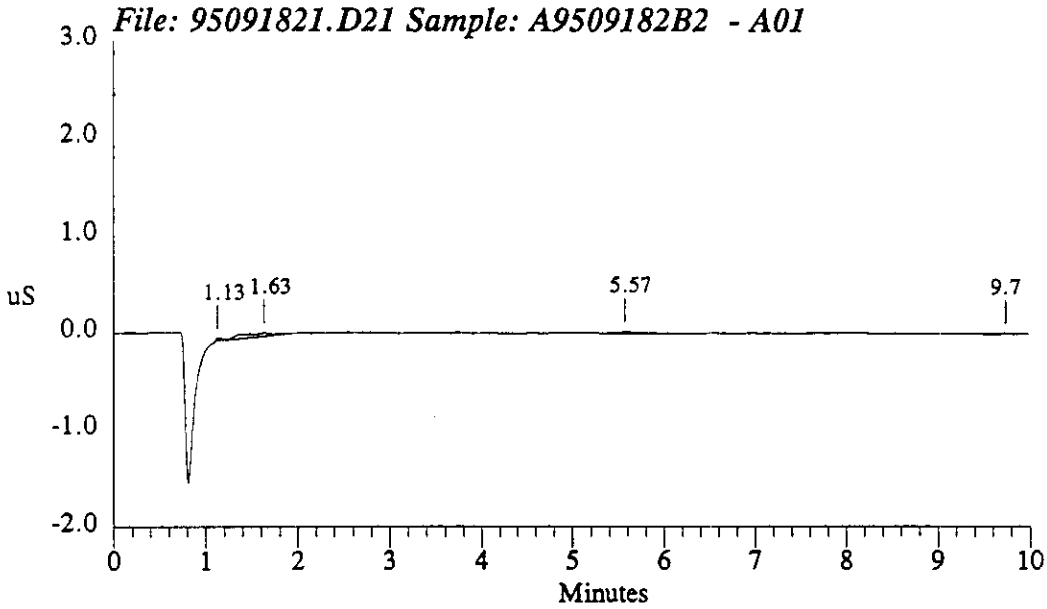


Sample Name: A9509182B2 - A01 Date: 09/18/1995 15:54:31
Data File : C:\DX\DATA\9509182\95091821.D21
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 21 Vial:A01 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.13		0.000	19678	82356	1	
2	1.63	CHLORIDE	0.129	37578	1020819	1	0.00
3	5.57	PHOSPHATE	0.231	20321	342119	1	-2.34
4	9.73		0.000	9606	119669	1	
		Totals	0.360	87183	1564963		



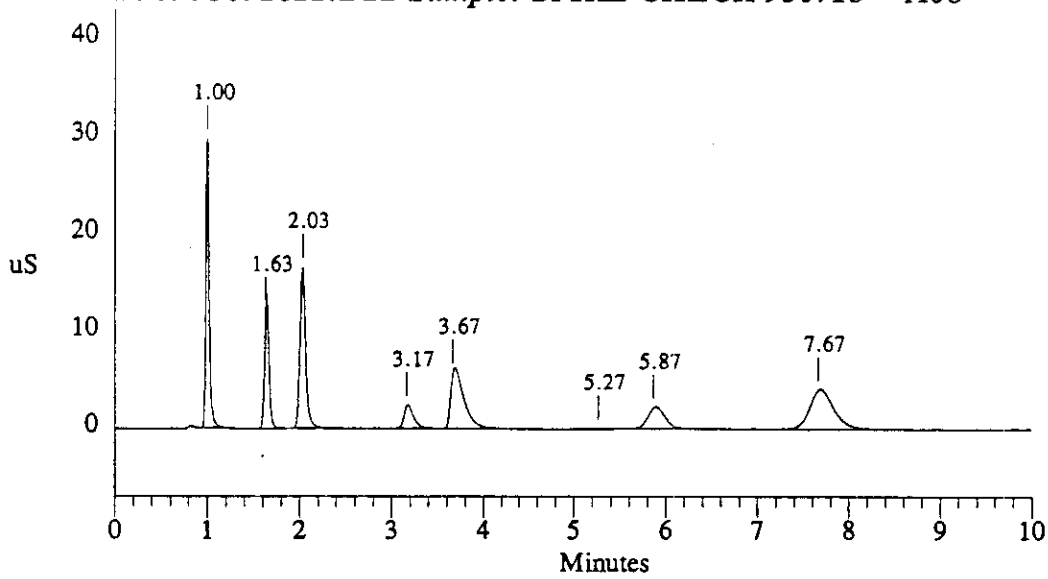
Sample Name: SPIKE CHECK 950713 - A08 Date: 09/18/1995 16:06:57
Data File : C:\DX\DATA\9509182\95091821.D22
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 22 Vial:A08 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	166.408	29683843	74986994	1	1.69
2	1.63	CHLORIDE	161.298	12129514	44978588	1	0.00
3	2.03	NITRITE	394.976	16576033	73041454	1	-0.81
4	3.17	BROMIDE	169.629	2359577	17978018	1	2.15
5	3.67	NITRATE	425.647	5725784	62683981	1	0.00
6	5.27		0.000	9139	244506	1	
7	5.87	PHOSPHATE	407.130	2140654	29681720	1	-2.69
8	7.67	SULFATE	408.878	4009976	76924977	1	0.00
		Totals	2133.965	72634521	380520237		

File: 95091821.D22 Sample: SPIKE CHECK 950713 - A08



Data Reprocessed On 09/20/1995 22:33:28

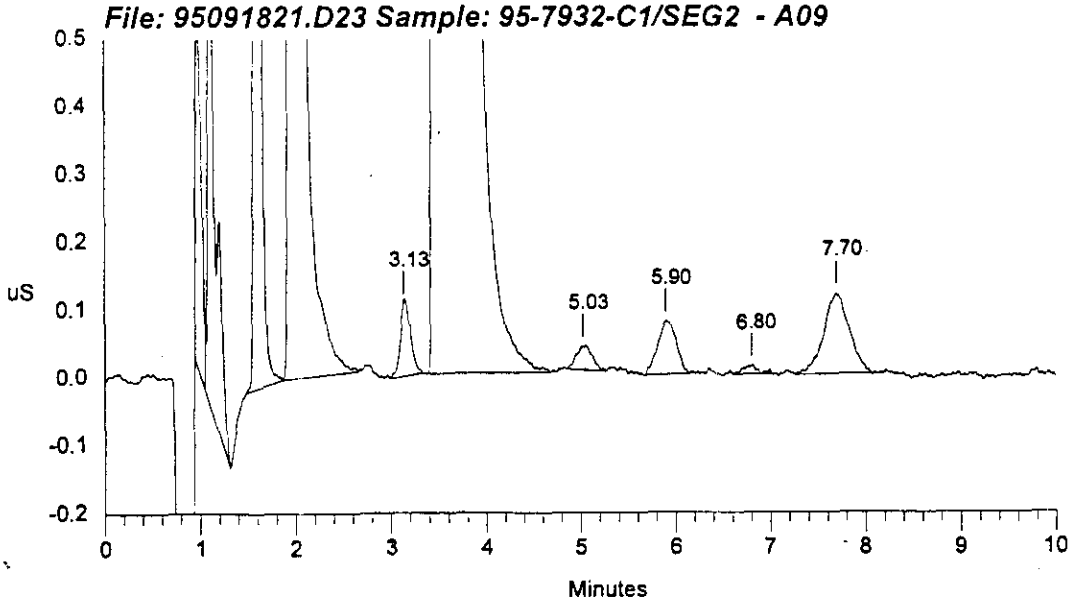
Sample Name: 95-7932-C1/SEG2 - A09	Date: 09/18/1995 16:23:25
Data File : C:\DX\DATA\9509182\95091821.D23	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 23 Vial:A09	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	12.858	475303	2217000	2	0.35
2	1.12		0.000	862081	4393757	2	
3	1.60	CHLORIDE	43.898	2322864	10000043	1	0.00
4	2.00	NITRITE	573.848	21774370	107893056	1	-0.41
5	3.13	BROMIDE	10.186	107706	837113	1	3.18
6	3.50	NITRATE	2415.914	35864703	417599432	1	0.00
7	5.03		0.000	34814	412483	1	
8	5.90	PHOSPHATE	32.829	78082	1070339	1	2.5.
9	6.80		0.000	11417	131440	1	
10	7.70	SULFATE	27.536	119396	2209982	1	0.00
		Totals	3117.069	61650736	546764645		

File: 95091821.D23 Sample: 95-7932-C1/SEG2 - A09



WHC-SD-WM-DP-245, REV. 1

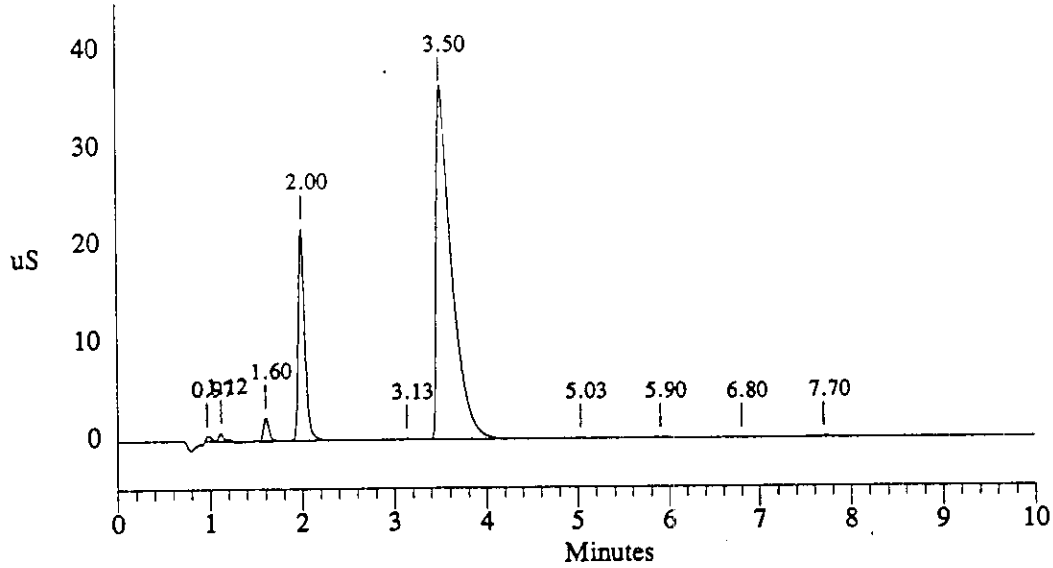
Sample Name: 95-7932-C1/SEG2 - A09	Date: 09/18/1995 16:23:25
Data File : C:\DX\DATA\9509182\95091821.D23	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 23 Vial:A09	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	12.858	475303	2217000	2	0.35
2	1.12		0.000	862081	4393757	2	
3	1.60	CHLORIDE	48.347	2372158	11296255	1	0.00
4	2.00	NITRITE	573.997	21768147	107922192	1	-0.41
5	3.13	BROMIDE	10.186	107706	837113	1	3.18
6	3.50	NITRATE	2415.914	35864703	417599432	1	0.00
7	5.03		0.000	35442	531524	1	
8	5.90	PHOSPHATE	31.325	73220	957526	1	2.52
9	6.80		0.000	11417	131440	1	
10	7.70	SULFATE	28.695	121873	2432766	1	0.00
		Totals	3121.323	61692049	548319006		

File: 95091821.D23 Sample: 95-7932-C1/SEG2 - A09



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

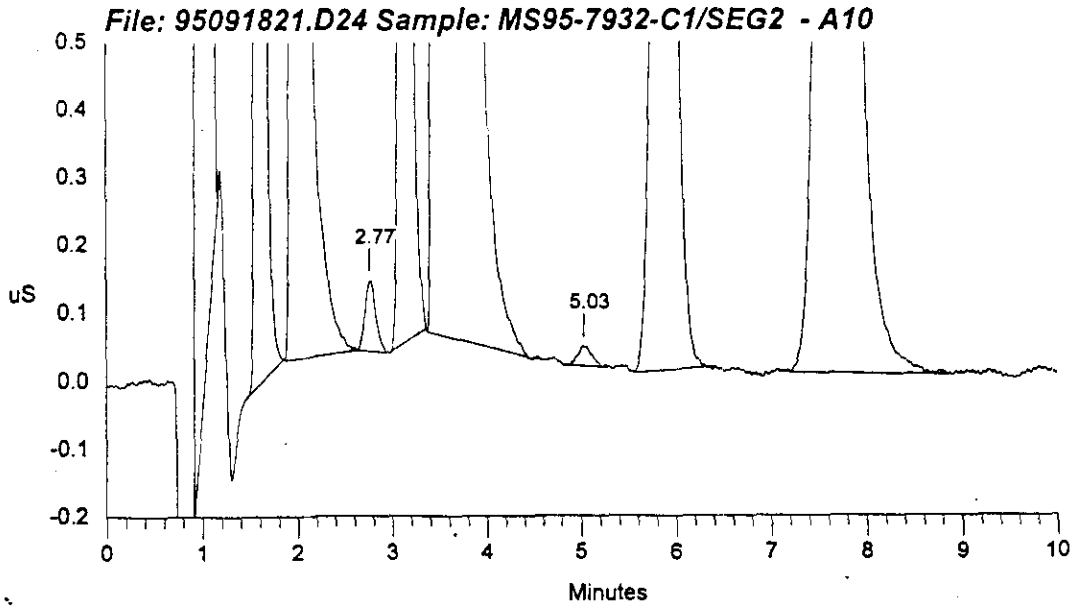
Data Reprocessed On 09/20/1995 22:37:43

Sample Name: MS95-7932-C1/SEG2 - A10		Date: 09/18/1995 16:39:54	
Data File : C:\DX\DATA\9509182\95091821.D24			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 24 Vial:A10			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	191.719	23406491	87036684	1	0.35
2	1.60	CHLORIDE	216.530	13455648	62035555	1	0.00
3	2.00	NITRITE	995.731	36607487	190331001	1	-0.41
4	2.77		0.000	102344	811655	1	
5	3.13	BROMIDE	190.642	2956980	20303379	1	3.18
6	3.50	NITRATE	2744.510	41709609	486866891	1	0.00
7	5.03		0.000	27655	287576	1	
8	5.87	PHOSPHATE	445.083	2475070	32644376	1	1.94
9	7.67	SULFATE	463.801	4720852	87927429	1	0.00
		Totals	5248.017	125462135	968244546		



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Sample Name: MS95-7932-C1/SEG2  - A10        Date: 09/18/1995 16:39:54
Data File  : C:\DX\DATA\9509182\95091821.D24
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 24  Vial:A10        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```
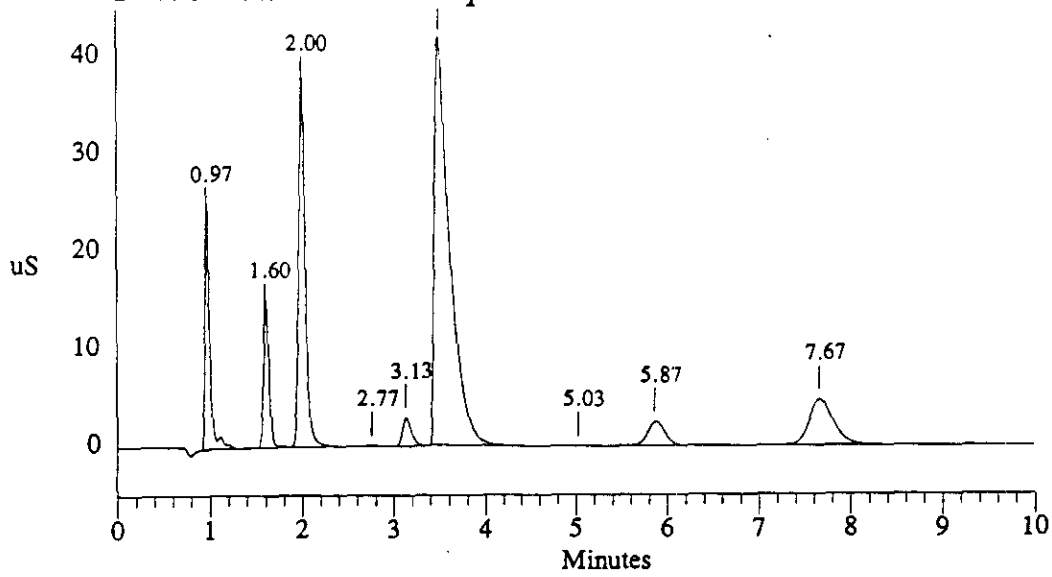

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	100	3000	5Hz	0.00	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	202.908	23490832	92367986	1	0.35
2	1.60	CHLORIDE	220.510	13500317	63280637	1	0.00
3	2.00	NITRITE	995.731	36607487	190331001	1	-0.41
4	2.77		0.000	102344	811655	1	
5	3.13	BROMIDE	190.642	2956980	20303379	1	3.18
6	3.50	NITRATE	2723.392	41591851	482288218	1	0.00
7	5.03		0.000	27655	287576	1	
8	5.87	PHOSPHATE	450.516	2479142	33069395	1	1.94
9	7.67	SULFATE	463.801	4720852	87927429	1	0.00
		Totals	5247.501	125477459	970667276		

File: 95091821.D24 Sample: MS95-7932-C1/SEG2 - A10



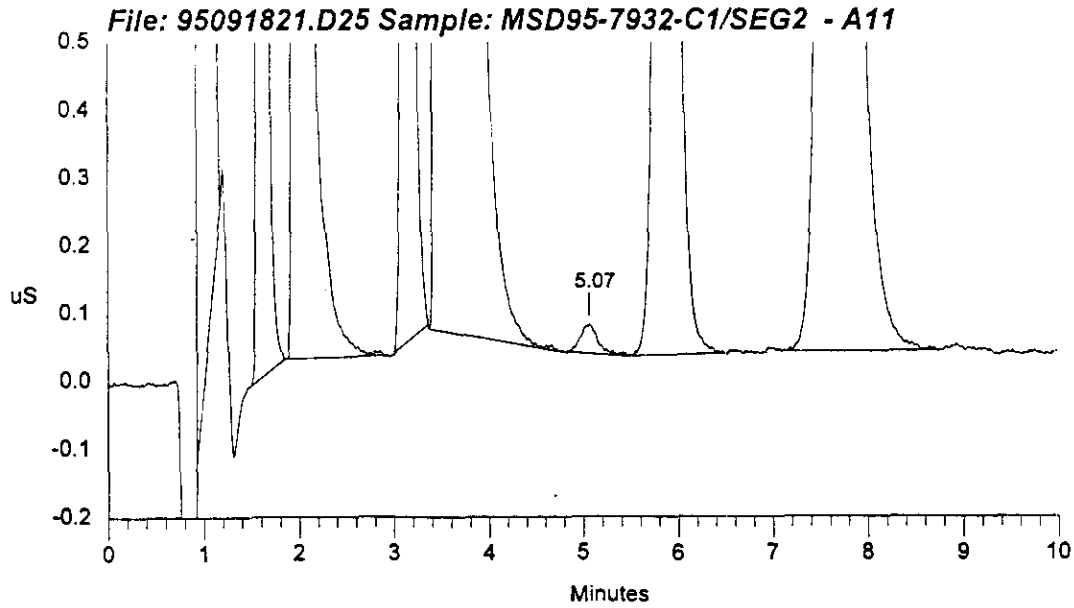
Data Reprocessed On 09/20/1995 22:40:50

Sample Name: MSD95-7932-C1/SEG2 - A11		Date: 09/18/1995 16:56:22	
Data File : C:\DX\DATA\9509182\95091821.D25			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 25 Vial:A11			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	0.98	FLUORIDE	190.770	25433775	86584526	1	1.03
2	1.62	CHLORIDE	214.530	14854472	61410668	1	0.00
3	2.02	NITRITE	1027.927	39142797	196635969	1	-0.61
4	3.13	BROMIDE	196.968	3004787	21006581	1	2.12
5	3.50	NITRATE	2815.410	43178208	502376998	1	0.00
6	5.07		0.000	41674	548334	1	
7	5.87	PHOSPHATE	472.039	2588967	34755735	1	1.94
8	7.67	SULFATE	472.712	4809973	89718683	1	0.00
		Totals	5390.357	133054655	993037495		



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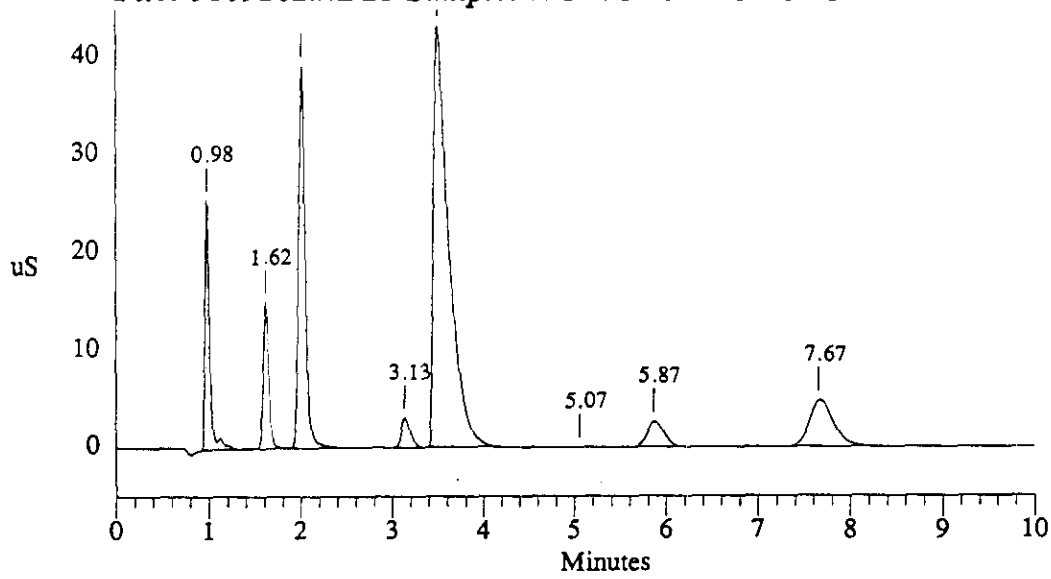
| Sample Name: MSD95-7932-C1/SEG2  - A11      Date: 09/18/1995 16:56:22       |
| Data File  : C:\DX\DATA\9509182\95091821.D25                                |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 25  Vial:A11        Detector:PED-Cond.  |
| 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	0.98	FLUORIDE	200.603	25517057	91269517	1	1.03
2	1.62	CHLORIDE	217.688	14888606	62397391	1	0.00
3	2.02	NITRITE	1027.927	39142797	196635969	1	-0.61
4	3.13	BROMIDE	196.968	3004787	21006581	1	2.12
5	3.50	NITRATE	2803.607	43125961	499780035	1	0.00
6	5.07		0.000	38288	456887	1	
7	5.87	PHOSPHATE	472.039	2588967	34755735	1	1.94
8	7.67	SULFATE	472.712	4809973	89718683	1	0.00
		Totals	5391.544	133116437	996020798		

File: 95091821.D25 Sample: MSD95-7932-C1/SEG2 - A11



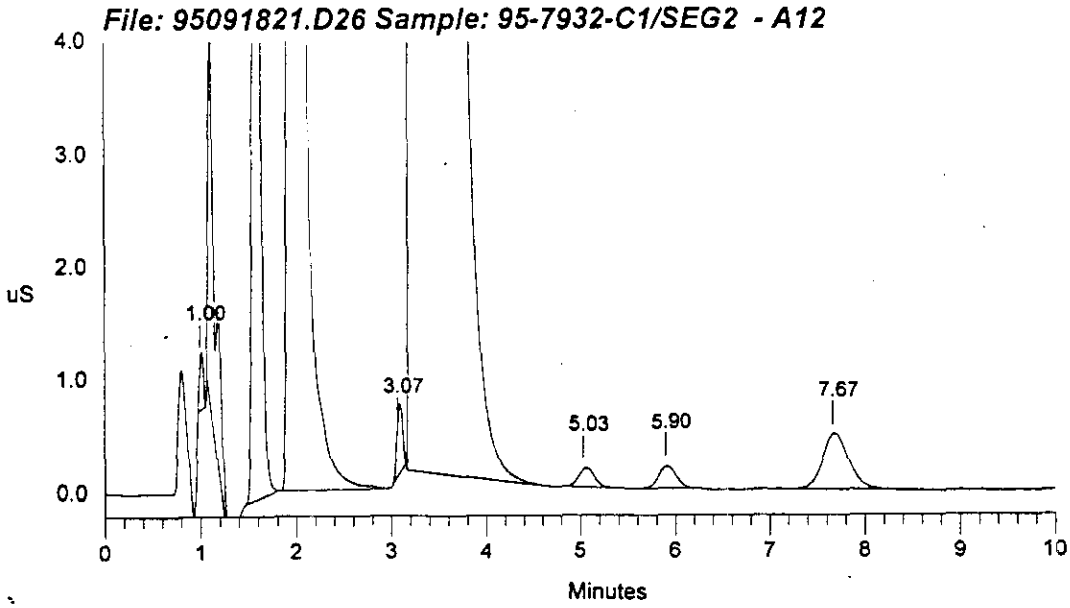
Data Reprocessed On 09/20/1995 22:54:49

Sample Name: 95-7932-C1/SEG2 - A12	Date: 09/18/1995 17:12:50
Data File : C:\DX\DATA\9509182\95091821.D26	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 26 Vial:A12	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	2.225	473871	1399168	1	5.26
2	1.12		0.000	3167588	16679878	1	
3	1.58	CHLORIDE	31.434	7700077	43719972	1	0.00
4	2.00	NITRITE	565.249	83431286	551981387	1	0.64
5	3.07	BROMIDE	5.143	397428	2469388	1	2.05
6	3.27	NITRATE	776.871	167474811	2463919317	1	0.00
7	5.03		0.000	160110	1978695	1	
8	5.90	PHOSPHATE	10.661	195613	2608016	1	6.12
9	7.67	SULFATE	13.008	485712	9433334	1	0.00
		Totals	1404.591	263486495	3094189154		



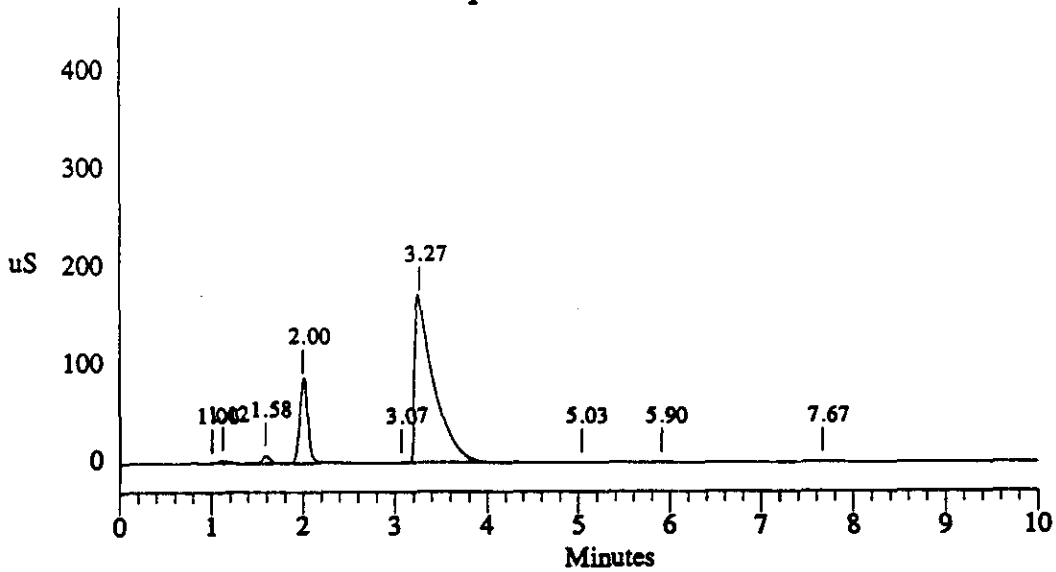
Sample Name: 95-7932-C1/SEG2 - A12 Date: 09/18/1995 17:12:50
Data File : C:\DX\DATA\9509182\95091821.D26
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 26 Vial:A12 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	2.225	473871	1399168	1	4.91
2	1.12		0.000	3167588	16679878	1	
3	1.58	CHLORIDE	34.869	7915695	48971843	1	0.00
4	2.00	NITRITE	565.249	83431286	551981387	1	0.64
5	3.07	BROMIDE	3.625	311333	1670914	1	2.05
6	3.27	NITRATE	779.108	167411151	2460670588	1	0.00
7	5.03	PHOSPHATE	8.829	159535	1920000	1	-6.29
8	5.90		0.000	193605	2536649	1	
9	7.67	SULFATE	13.099	486756	9520443	1	0.00
		Totals	1407.005	263550819	3095350869		

File: 95091821.D26 Sample: 95-7932-C1/SEG2 - A12



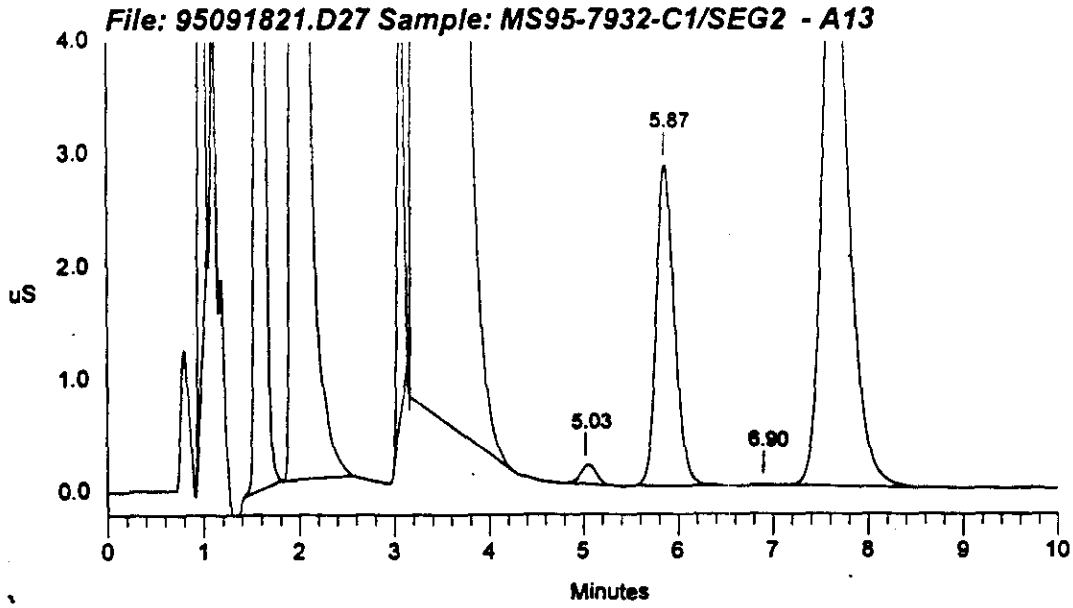
Data Reprocessed On 09/20/1995 22:56:23

Sample Name: MS95-7932-C1/SEG2 - A13	Date: 09/18/1995 17:29:18
Data File : C:\DX\DATA\9509182\95091821.D27	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 27 Vial:A13	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	20.648	14135558	44984168	1	3.51
2	1.58	CHLORIDE	67.938	17877358	101645381	1	0.00
3	2.02	NITRITE	630.993	97841373	617625286	1	1.48
4	3.07	BROMIDE	35.606	3995605	18905686	1	2.05
5	3.27	NITRATE	784.979	165848177	2452084867	1	0.00
6	5.03		0.000	159720	1924922	1	
7	5.87	PHOSPHATE	102.342	2852947	37873808	1	5.57
8	6.90		0.000	13861	163394	1	
9	7.63	SULFATE	105.582	5262918	100850941	1	0.00
		Totals	1748.088	307987517	3376058452		



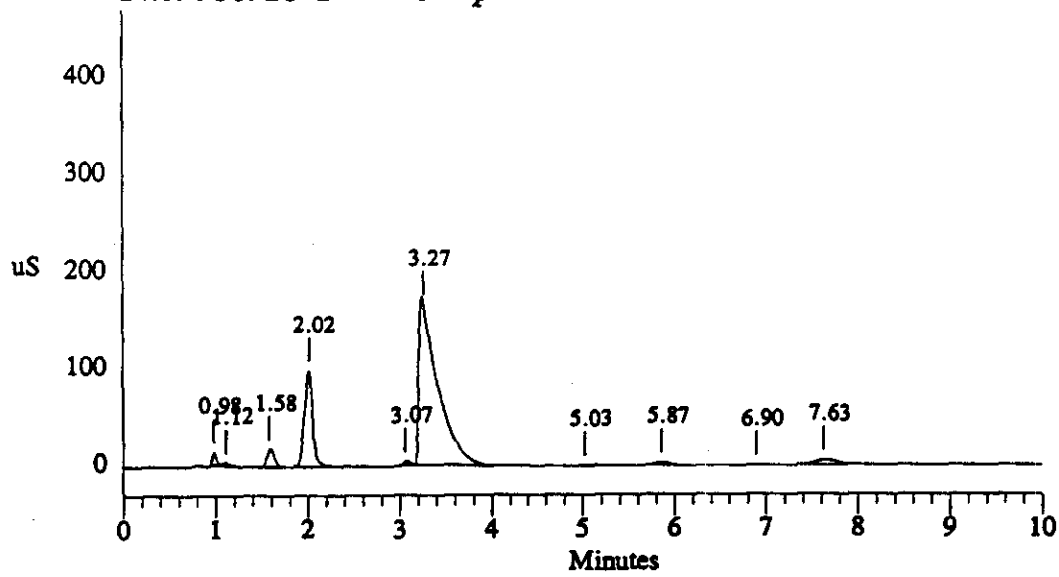
Sample Name: MS95-7932-C1/SEG2 - A13 Date: 09/18/1995 17:29:18
Data File : C:\DX\DATA\9509182\95091821.D27
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 27 Vial:A13 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	19.625	13486146	42558095	2	3.16
2	1.12		0.000	3367240	19297791	2	
3	1.58	CHLORIDE	70.294	18030444	105557945	1	0.00
4	2.02	NITRITE	633.028	97857728	619660658	1	1.48
5	3.07	BROMIDE	29.564	3615579	15581837	1	2.05
6	3.27	NITRATE	784.979	165848177	2452084867	1	0.00
7	5.03	PHOSPHATE	8.843	159720	1924922	1	-6.29
8	5.87		0.000	2852947	37873808	1	
9	6.90		0.000	13861	163394	1	
10	7.63	SULFATE	105.582	5262918	100850941	1	0.00
		Totals	1651.915	310494759	3395554258		

File: 95091821.D27 Sample: MS95-7932-C1/SEG2 - A13



Data Reprocessed On 09/20/1995 22:53:49

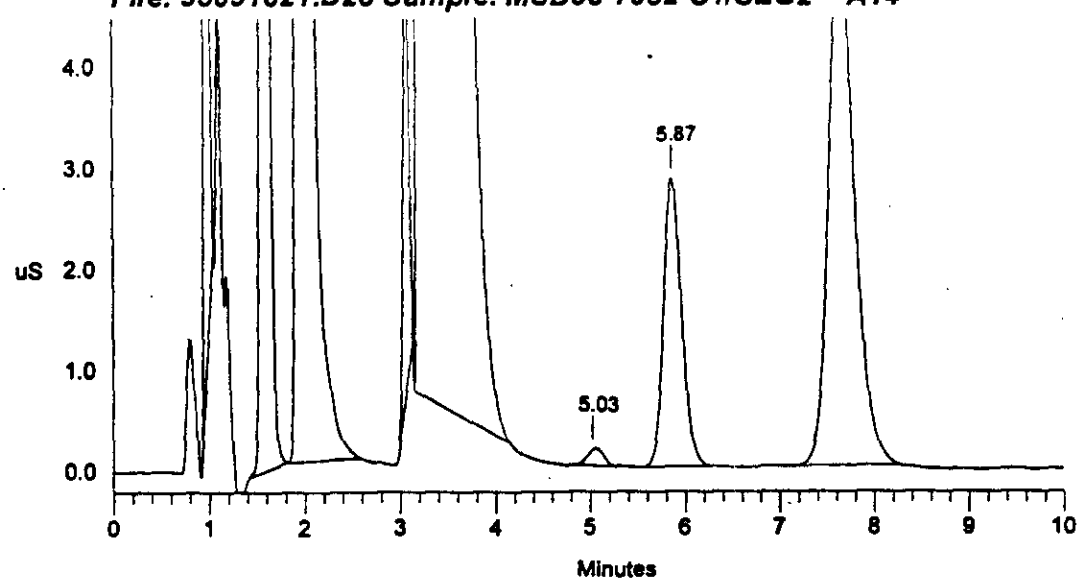
Sample Name: MSD95-7932-C1/SEG2 - A14	Date: 09/18/1995 17:45:48
Data File : C:\DX\DATA\9509182\95091821.D28	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 28 Vial:A14	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	19.991	13673890	43425164	1	3.51
2	1.58	CHLORIDE	68.816	18164002	103100256	1	0.00
3	2.02	NITRITE	646.545	99544093	633185152	1	1.48
4	3.07	BROMIDE	34.760	4102207	18438094	1	2.05
5	3.27	NITRATE	734.448	166437456	2523322578	1	0.00
6	5.03		0.000	156638	1927678	1	
7	5.87	PHOSPHATE	101.341	2850913	37479693	1	5.52
8	7.63	SULFATE	105.212	5293016	100477355	1	0.0
		Totals	1711.113	310222215	3461355970		

File: 95091821.D28 Sample: MSD95-7932-C1/SEG2 - A14



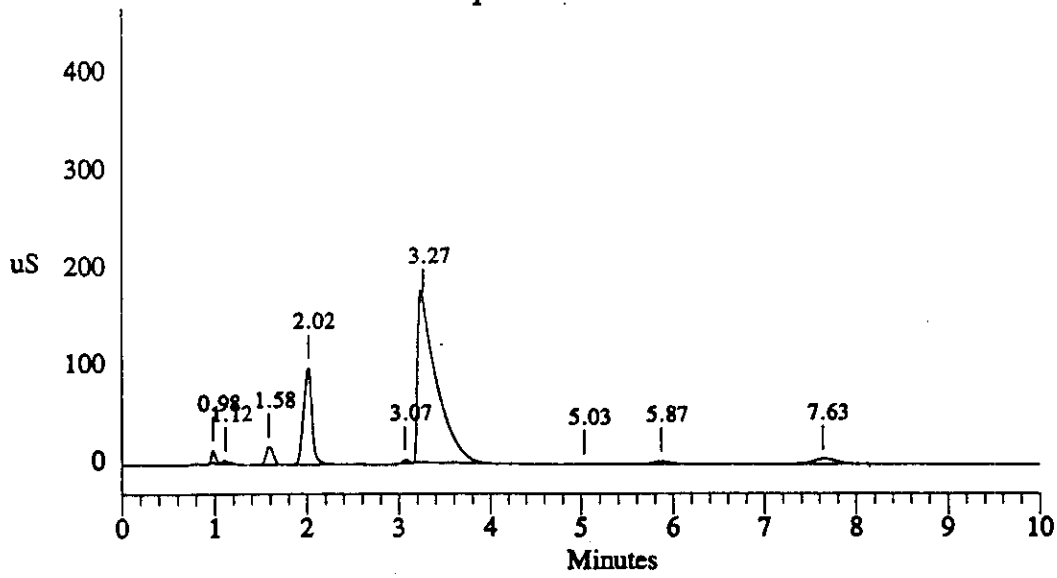
Sample Name: MSD95-7932-C1/SEG2 - A14 Date: 09/18/1995 17:45:48
Data File : C:\DX\DATA\9509182\95091821.D28
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 28 Vial:A14 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	18.981	13042586	41031578	2	3.16
2	1.12		0.000	3418993	19710972	2	
3	1.58	CHLORIDE	71.093	18312264	106889333	1	0.00
4	2.02	NITRITE	648.459	99559364	635100494	1	1.48
5	3.07	BROMIDE	31.581	3894011	16687709	1	2.05
6	3.27	NITRATE	758.191	165446358	2490573478	1	0.00
7	5.03	PHOSPHATE	9.064	159508	2008199	1	-6.29
8	5.87		0.000	2856879	37850854	1	
9	7.63	SULFATE	106.478	5306224	101757436	1	0.00
		Totals	1643.847	311996188	3451610053		

File: 95091821.D28 Sample: MSD95-7932-C1/SEG2 - A14



Data Reprocessed On 09/21/1995 00:05:26

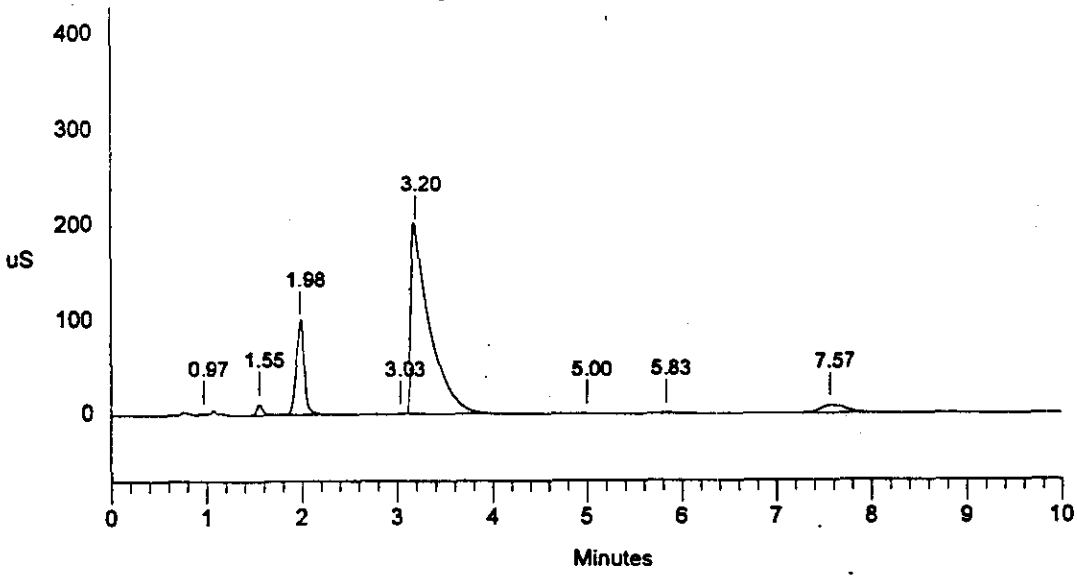
Sample Name: MS95-7932-C4/SEG2 - B26	Date: 09/18/1995 17:58:26
Data File : C:\DX\DATA\9509182\95091821.d29	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 29 Vial:B26	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	4.072	1256627	5759664	1	3.94
2	1.55	CHLORIDE	36.858	11818199	52029417	1	0.00
3	1.98	NITRITE	609.310	95856275	595950826	1	1.95
4	3.03	BROMIDE	3.639	342032	1678176	1	3.11
5	3.20	NITRATE	578.840	196159116	2714017027	1	0.00
6	5.00		0.000	161112	1926835	1	
7	5.83	PHOSPHATE	42.162	1063686	14541168	1	7.13
8	7.57	SULFATE	157.799	8182042	154423503	1	0.0
		Totals	1432.680	314839089	3540326617		

File: 95091821.d29 Sample: MS95-7932-C4/SEG2 - B26



Data Reprocessed On 09/20/1995 23:11:34

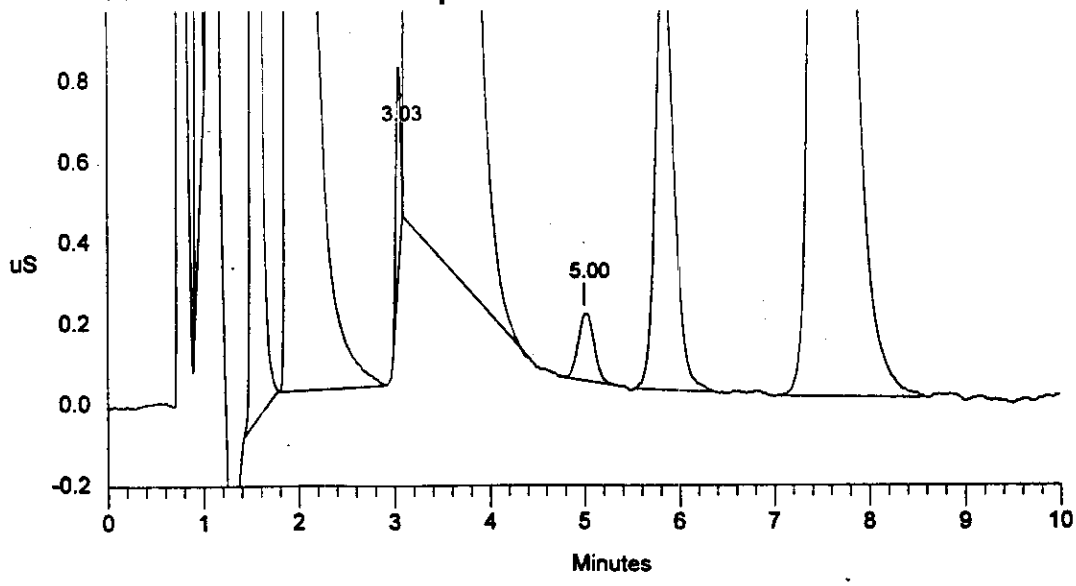
Sample Name: MS95-7932-C4/SEG2 - B26	Date: 09/18/1995 17:58:26
Data File : C:\DX\DATA\9509182\95091431.D29	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 29 Vial:B26	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	4.072	1256627	5759664	1	3.94
2	1.55	CHLORIDE	36.858	11818199	52029417	1	0.00
3	1.98	NITRITE	609.310	95856275	595950826	1	1.95
4	3.03	BROMIDE	3.639	342032	1678176	1	3.11
5	3.20	NITRATE	578.840	196159116	2714017027	1	0.00
6	5.00		0.000	161112	1926835	1	
7	5.83	PHOSPHATE	42.162	1063686	14541168	1	7.11
8	7.57	SULFATE	157.799	8182042	154423503	1	0.00
		Totals	1432.680	314839089	3540326617		

File: 95091431.D29 Sample: MS95-7932-C4/SEG2 - B26



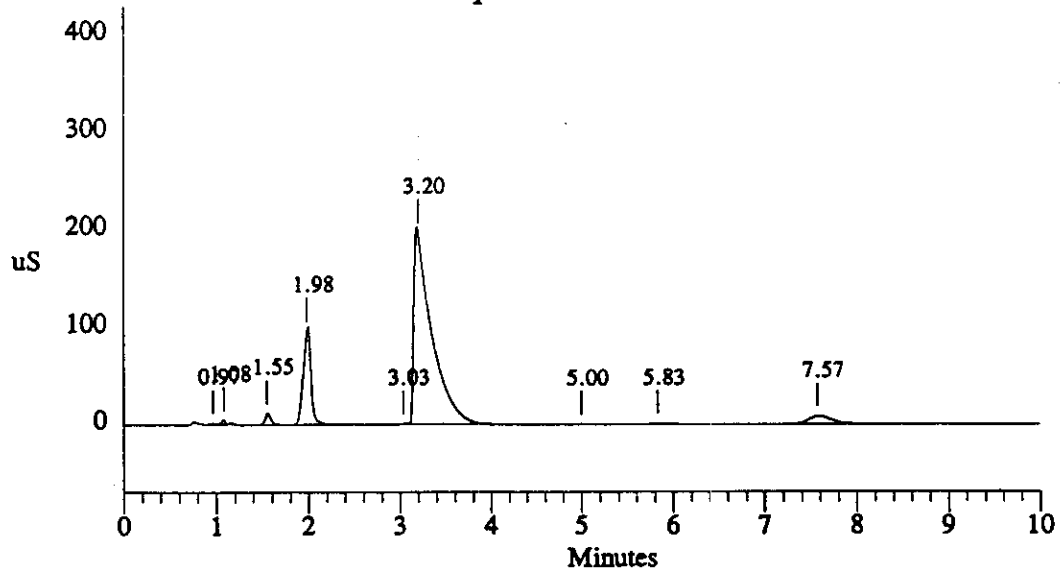
Sample Name: MS95-7932-C4/SEG2 - B26 Date: 09/18/1995 17:58:26
Data File : C:\DX\DATA\9509142\95091431.D29
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 29 Vial:B26 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	4.603	1458536	7013983	2	3.59
2	1.08		0.000	4166579	16127993	2	
3	1.55	CHLORIDE	40.589	12054475	57801869	1	0.00
4	1.98	NITRITE	609.232	95855885	595872814	1	1.95
5	3.03	BROMIDE	0.993	104547	289707	1	3.11
6	3.20	NITRATE	580.161	196156918	2712538300	1	0.00
7	5.00	PHOSPHATE	9.107	162554	2024382	1	-4.97
8	5.83		0.000	1067023	14691344	1	
9	7.57	SULFATE	157.805	8182087	154429867	1	0.00
		Totals	1402.490	319208602	3560790259		

File: 95091431.D29 Sample: MS95-7932-C4/SEG2 - B26



Data Reprocessed On 09/20/1995 23:19:32

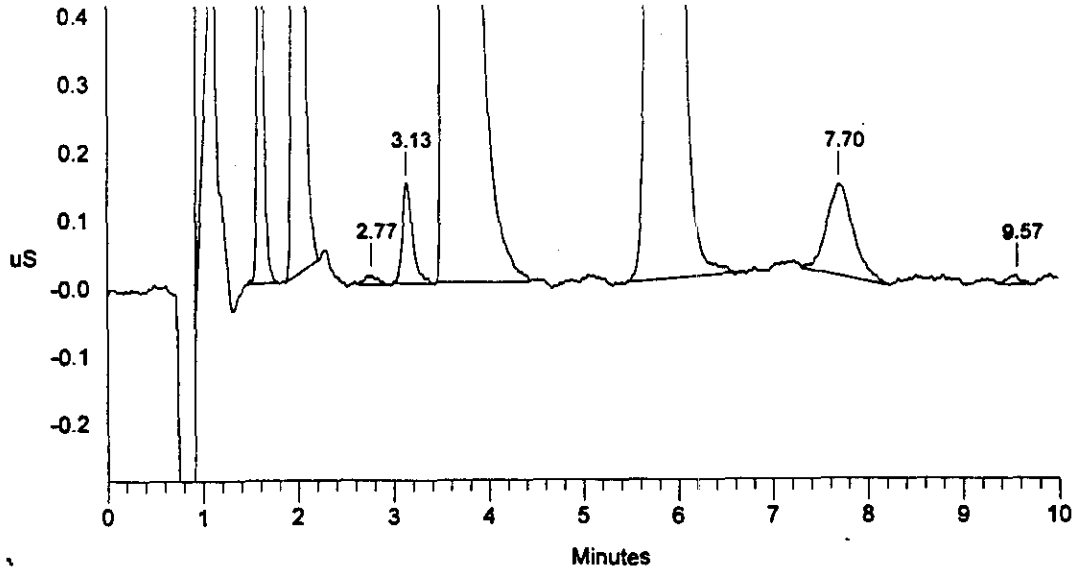
Sample Name: 95-7941-C1/SEG1 - A15	Date: 09/18/1995 18:14:55	
Data File : C:\DX\DATA\9509182\95091821.D30		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 30 Vial:A15		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A	

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	60.842	15521300	53734340	1	0.35
2	1.60	CHLORIDE	10.487	769727	3357302	1	0.00
3	1.98	NITRITE	79.087	5078352	26994541	1	-1.24
4	2.77		0.000	13320	138897	1	
5	3.13	BROMIDE	6.341	145150	1098842	1	3.18
6	3.57	NITRATE	565.463	16147459	178401260	1	0.00
7	5.80	PHOSPHATE	652.234	7631733	103209347	1	-1.10
8	7.70	SULFATE	14.869	133855	2633311	1	0.00
9	9.57		0.000	11667	123361	1	
		Totals	1389.324	45452563	369691202		

File: 95091821.D30 Sample: 95-7941-C1/SEG1 - A15



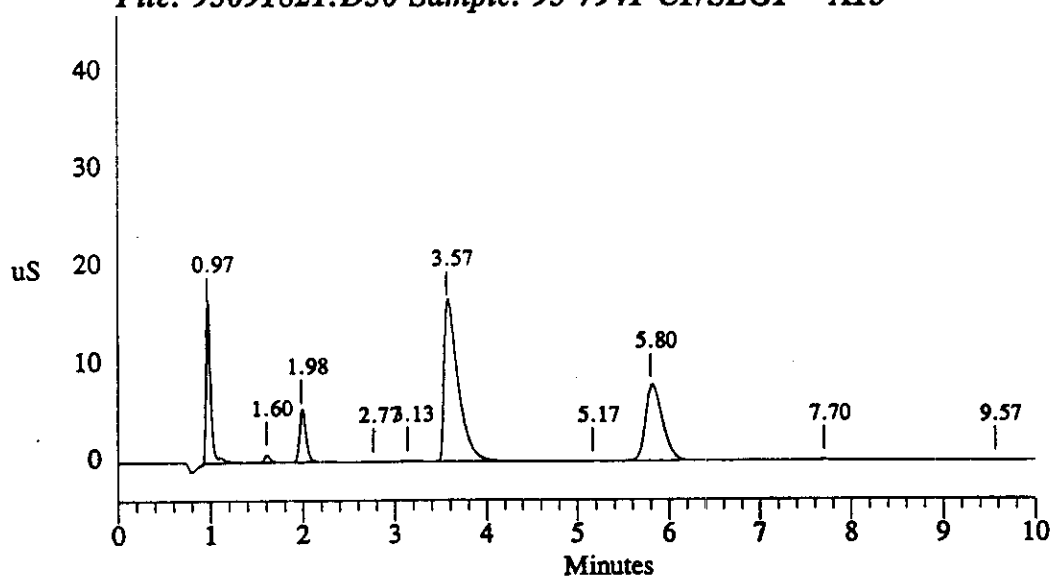
Sample Name: 95-7941-C1/SEG1 - A15 Date: 09/18/1995 18:14:55
Data File : C:\DX\DATA\9509182\95091821.D30
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 30 Vial:A15 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	66.535	15650575	59140166	2	0.35
2	1.60	CHLORIDE	11.293	787821	3822432	2	0.00
3	1.98	NITRITE	79.087	5078352	26994541	1	-1.24
4	2.77		0.000	13320	138897	1	
5	3.13	BROMIDE	6.341	145150	1098842	1	3.18
6	3.57	NITRATE	565.153	16137153	178295266	1	0.00
7	5.17		0.000	8625	118648	1	
8	5.80	PHOSPHATE	652.234	7631733	103209347	1	-1.10
9	7.70	SULFATE	14.499	130817	2491211	1	0.00
10	9.57		0.000	11667	123361	1	
		Totals	1395.142	45595214	375432711		

File: 95091821.D30 Sample: 95-7941-C1/SEG1 - A15



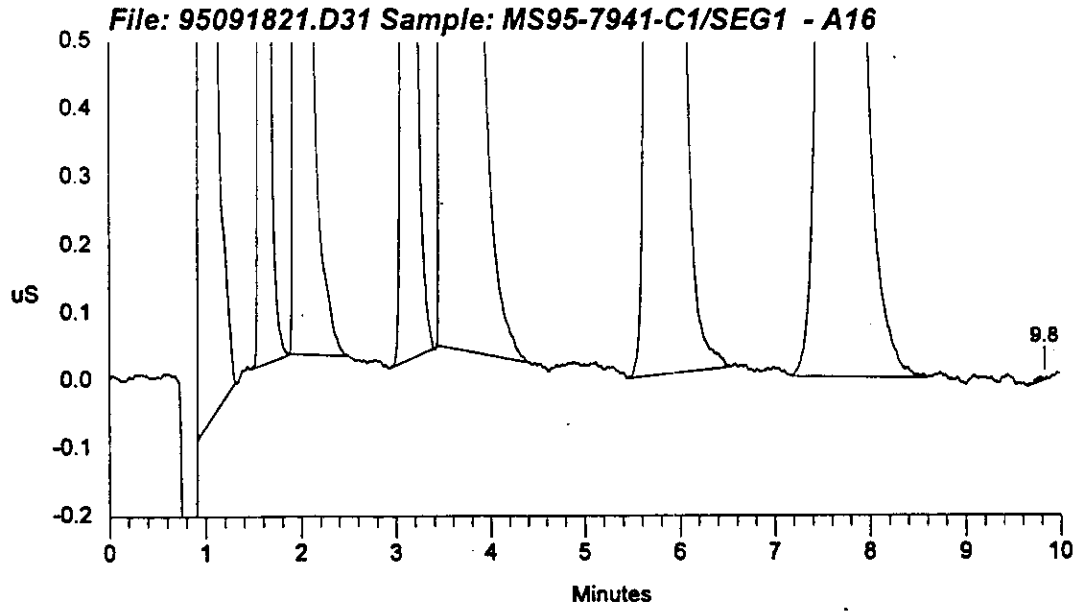
Data Reprocessed On 09/20/1995 23:24:43

Sample Name: MS95-7941-C1/SEG1 - A16	Date: 09/18/1995 18:31:23
Data File : C:\DX\DATA\9509182\95091821.D31	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 31 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	164.536	37150818	152693200	1	0.35
2	1.60	CHLORIDE	97.760	11977470	55499160	1	0.00
3	2.00	NITRITE	309.217	23781116	116589568	1	-0.41
4	3.10	BROMIDE	102.932	2336915	21998177	1	2.08
5	3.53	NITRATE	817.326	23803879	267108297	1	0.00
6	5.77	PHOSPHATE	893.803	10635608	146342306	1	-0.74
7	7.67	SULFATE	238.806	4863296	90704180	1	0.00
8	9.83		0.000	272	37804	1	
		Totals	2624.381	114549373	850972693		



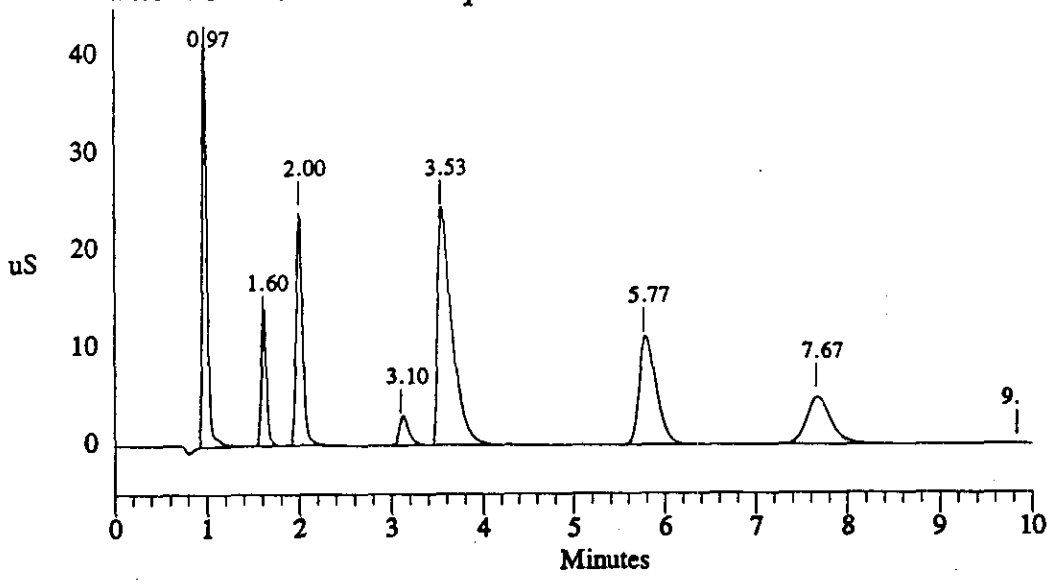
Sample Name: MS95-7941-C1/SEG1 - A16 Date: 09/18/1995 18:31:23
Data File : C:\DX\DATA\9509182\95091821.D31
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 31 Vial:A16 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	164.947	37154898	153087521	2	0.35
2	1.60	CHLORIDE	98.848	11998523	56173020	2	0.00
3	2.00	NITRITE	309.383	23779501	116654301	1	-0.41
4	3.10	BROMIDE	102.932	2336915	21998178	1	2.08
5	3.53	NITRATE	817.534	23804073	267183990	1	0.00
6	5.77	PHOSPHATE	895.558	10637680	146666536	1	-0.74
7	7.67	SULFATE	238.806	4863296	90704180	1	0.00
8	9.83		0.000	272	37804	1	
		Totals	2628.008	114575157	852505529		

File: 95091821.D31 Sample: MS95-7941-C1/SEG1 - A16



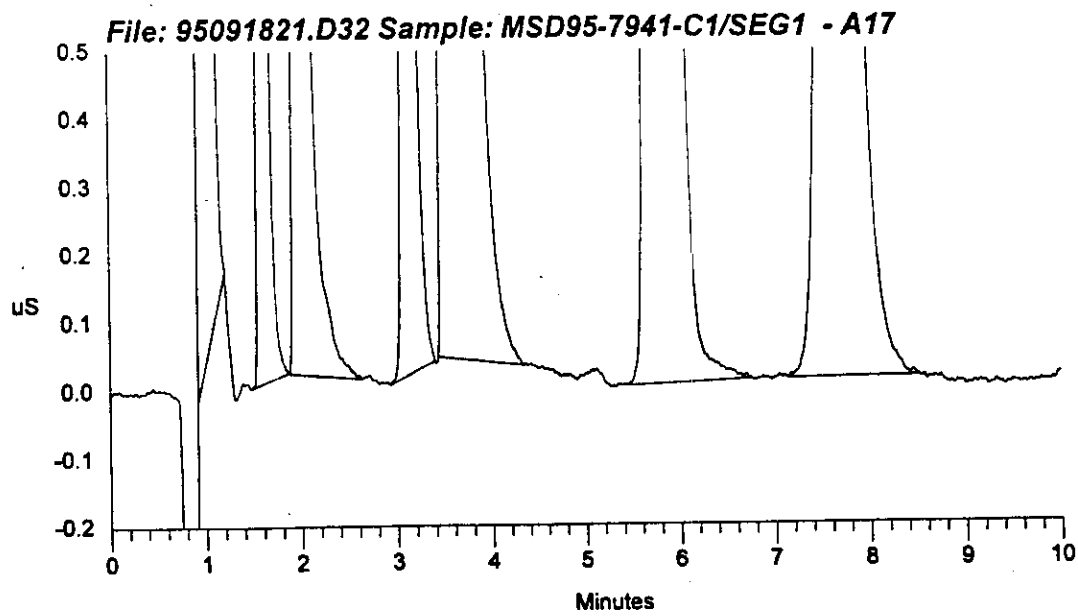
Data Reprocessed On 09/20/1995 23:26:48

Sample Name: MSD95-7941-C1/SEG1 - A17		Date: 09/18/1995 18:47:51	
Data File : C:\DX\DATA\9509182\95091821.D32			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 32 Vial:A17			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	167.820	40049230	155844558	1	0.35
2	1.60	CHLORIDE	98.880	12260493	56192696	1	0.00
3	2.00	NITRITE	313.966	24030280	118442859	1	-0.41
4	3.10	BROMIDE	102.498	2322210	21901119	1	2.08
5	3.53	NITRATE	830.786	24498574	272013468	1	0.00
6	5.77	PHOSPHATE	932.769	11419616	153579677	1	-0.74
7	7.67	SULFATE	242.237	4955813	92085606	1	0.00
		Totals	2688.956	119536217	870059984		



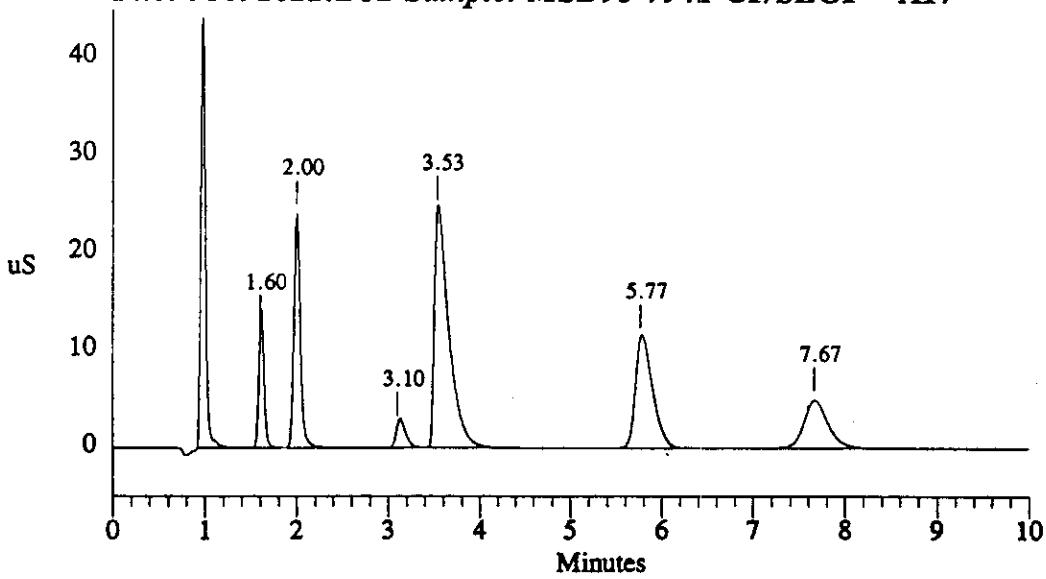
Sample Name: MSD95-7941-C1/SEG1 - A17 Date: 09/18/1995 18:47:51
Data File : C:\DX\DATA\9509182\95091821.D32
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 32 Vial:A17 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	169.952	40080936	157890817	1	0.35
2	1.60	CHLORIDE	99.149	12263863	56359638	1	0.00
3	2.00	NITRITE	313.567	24024508	118286971	1	-0.41
4	3.10	BROMIDE	102.498	2322210	21901119	1	2.08
5	3.53	NITRATE	831.964	24499452	272443869	1	0.00
6	5.77	PHOSPHATE	932.769	11419616	153579677	1	-0.74
7	7.67	SULFATE	243.821	4959887	92723549	1	0.00
		Totals	2693.721	119570472	873185639		

File: 95091821.D32 Sample: MSD95-7941-C1/SEG1 - A17



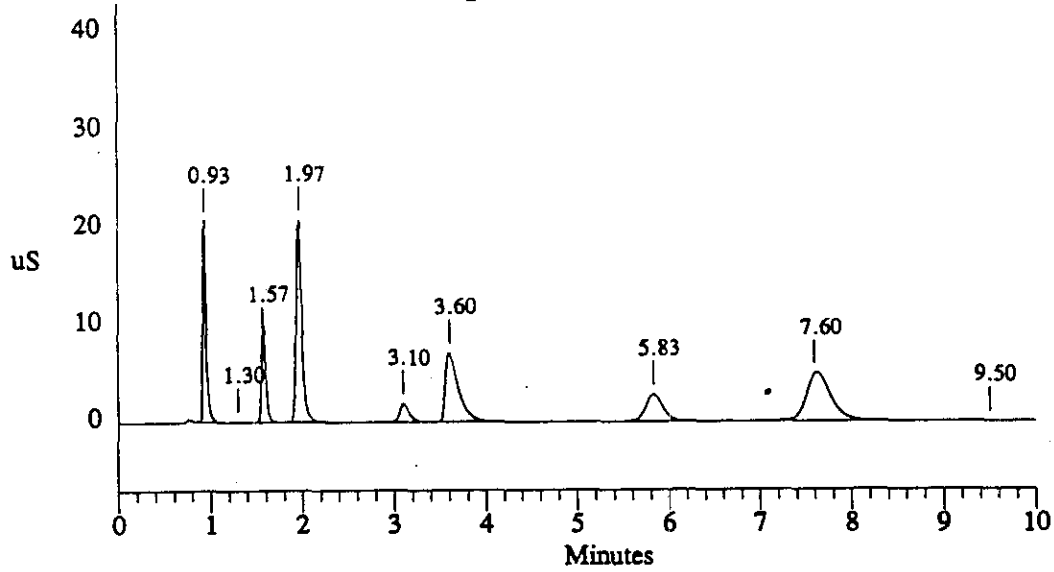
Sample Name: A950609V1/LO - A05 Date: 09/18/1995 19:00:28
Data File : C:\DX\DATA\9509182\95091821.D33
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 33 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	24.389	20624903	53858497	1	-1.05
2	1.30		0.000	47653	268389	1	
3	1.57	CHLORIDE	24.271	8372873	32889977	1	0.00
4	1.97	NITRITE	97.269	20803877	90836303	1	0.02
5	3.10	BROMIDE	25.650	1834282	13445770	1	4.26
6	3.60	NITRATE	94.608	7088188	70188918	1	0.00
7	5.83	PHOSPHATE	98.459	2750708	36346078	1	-1.45
8	7.60	SULFATE	97.513	4878217	92708067	1	0.00
		Totals	462.159	66400702	390541998		

File: 95091821.D33 Sample: A950609V1/LO - A05



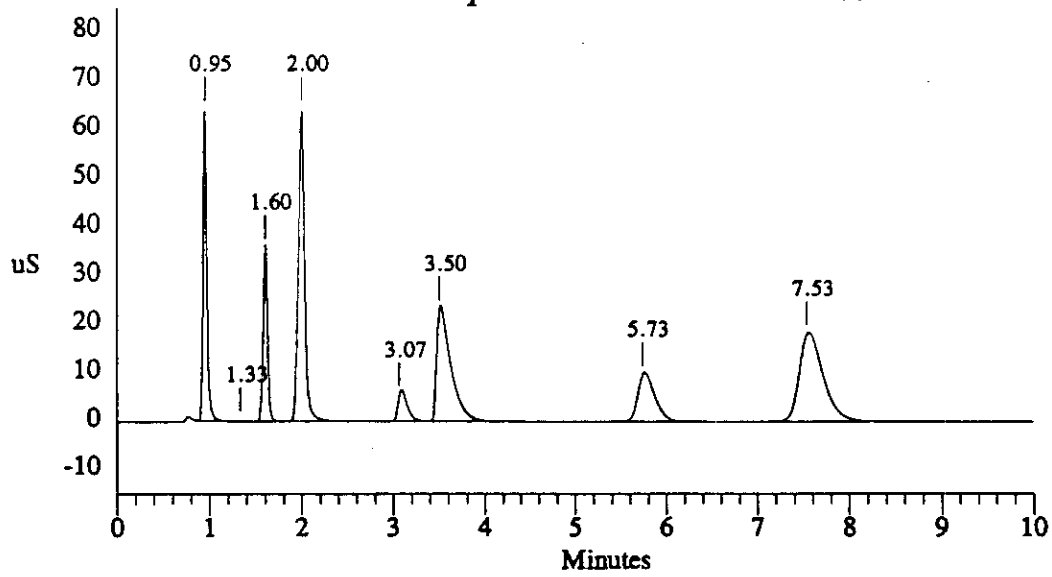
Sample Name: A950609V2/MID - A05 Date: 09/18/1995 19:13:30
Data File : C:\DX\DATA\9509182\95091821.D34
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 34 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.448	63744755	185202926	1	-1.38
2	1.33		0.000	124035	680035	1	
3	1.60	CHLORIDE	26.774	35619965	122478322	1	0.00
4	2.00	NITRITE	107.143	63976856	310402796	1	-0.41
5	3.07	BROMIDE	27.160	5219502	45320060	1	0.99
6	3.50	NITRATE	104.728	23007526	255565915	1	0.00
7	5.73	PHOSPHATE	108.216	9567505	131343872	1	-0.37
8	7.53	SULFATE	107.650	18014030	335240672	1	0.00
		Totals	508.119	219274176	1386234599		

File: 95091821.D34 Sample: A950609V2/MID - A05



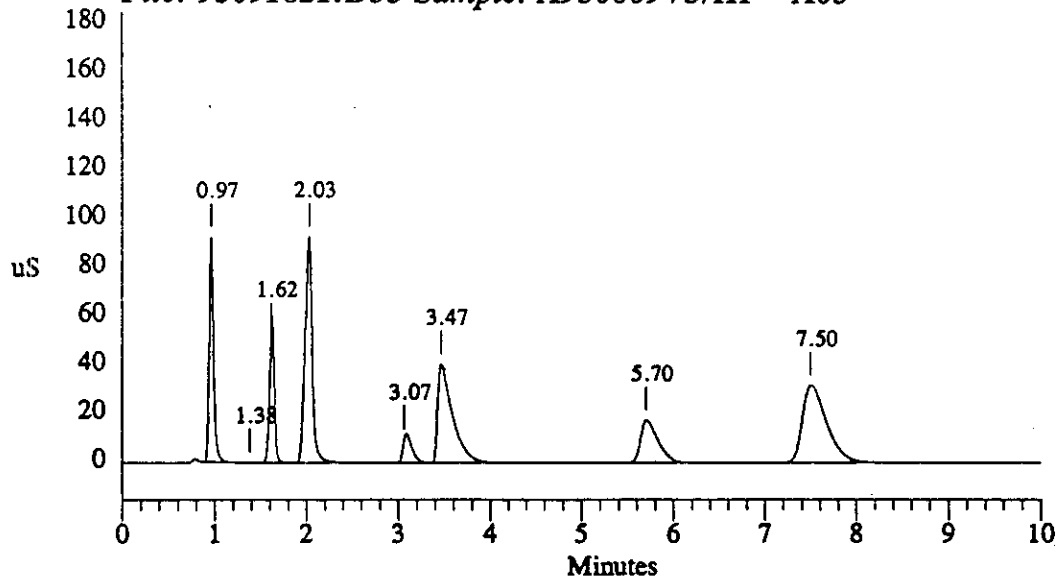
Sample Name: A950609V3/HI - A05 Date: 09/18/1995 19:26:56
Data File : C:\DX\DATA\9509182\95091821.D35
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 35 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	0.97	FLUORIDE	26.172	92520989	310020835	1	-0.68
2	1.38		0.000	175689	923816	1	
3	1.62	CHLORIDE	26.310	51874374	216993207	1	0.00
4	2.03	NITRITE	105.209	92980488	512942097	1	0.21
5	3.07	BROMIDE	26.873	9759684	78937999	1	-0.06
6	3.47	NITRATE	103.236	40743600	451863928	1	0.00
7	5.70	PHOSPHATE	106.684	17599172	233590805	1	0.00
8	7.50	SULFATE	106.273	32121003	596510613	1	0.00
		Totals	500.756	337774999	2401783300		

File: 95091821.D35 Sample: A950609V3/HI - A05



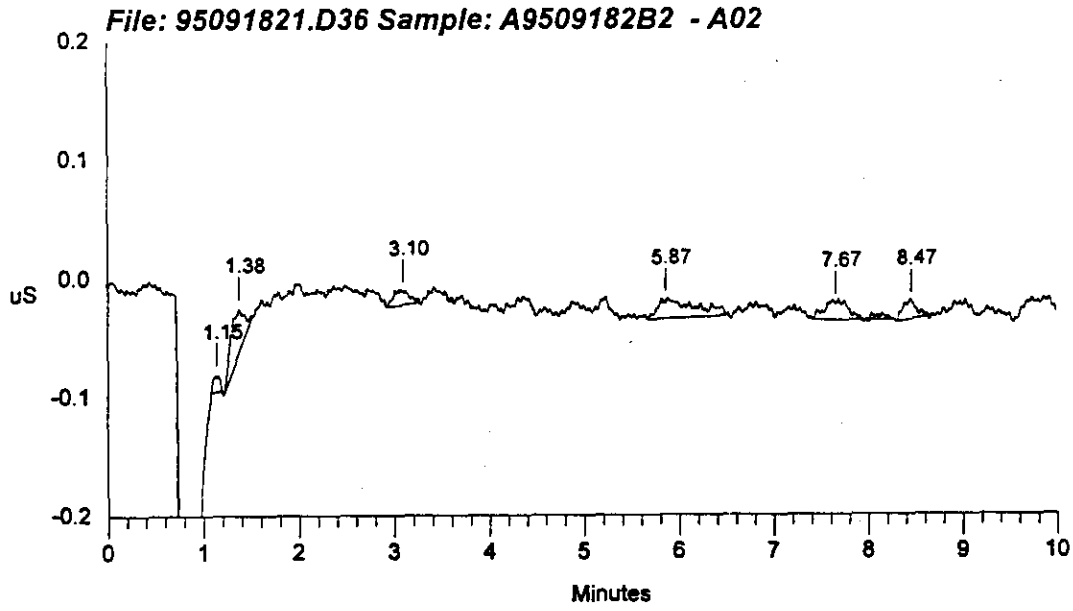
Data Reprocessed On 09/20/1995 23:28:23

Sample Name: A9509182B2 - A02	Date: 09/18/1995 19:43:26
Data File : C:\DX\DATA\9509182\95091821.D36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 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	1.15		0.000	13567	66994	1	
2	1.38		0.000	35576	390926	1	
3	3.10	BROMIDE	0.036	10374	147030	1	0.00
4	5.87	PHOSPHATE	0.247	14824	459675	1	2.92
5	7.67	SULFATE	0.177	13429	321660	1	0.00
6	8.47		0.000	14583	159689	1	
		Totals	0.460	102354	1545974		

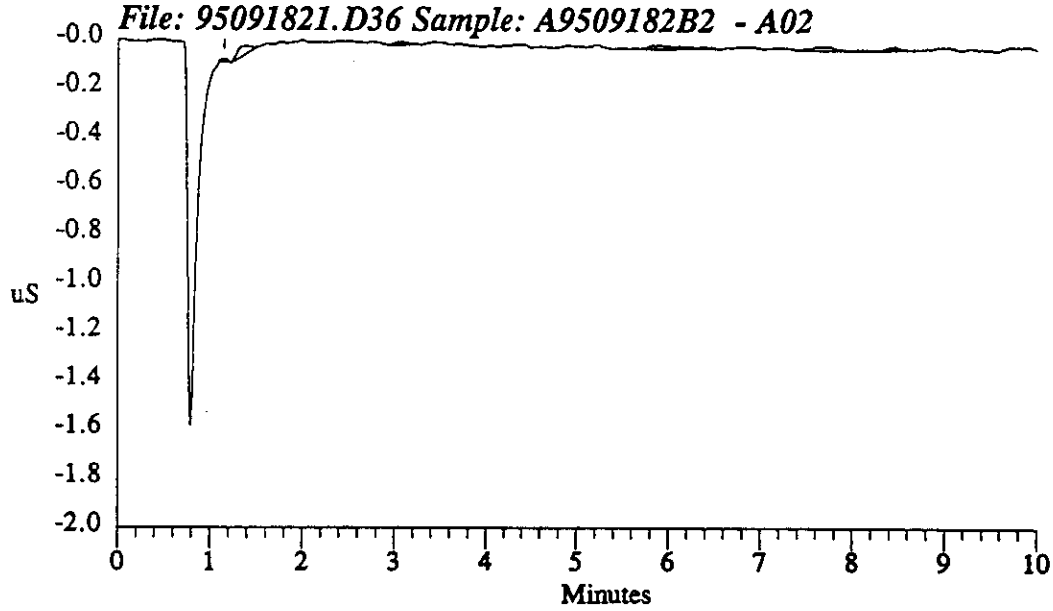


Sample Name: A9509182B2 - A02 Date: 09/18/1995 19:43:26
Data File : C:\DX\DATA\9509182\95091821.D36
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 36 Vial:A02 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.15		0.000	13567	66994	1	
2	1.38		0.000	35576	390926	1	
3	3.10	BROMIDE	0.036	10374	147030	1	0.00
4	5.87	PHOSPHATE	0.247	14824	459675	1	2.92
5	7.67	SULFATE	0.177	13429	321660	1	0.00
6	8.47		0.000	14583	159689	1	
		Totals	0.460	102354	1545974		



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

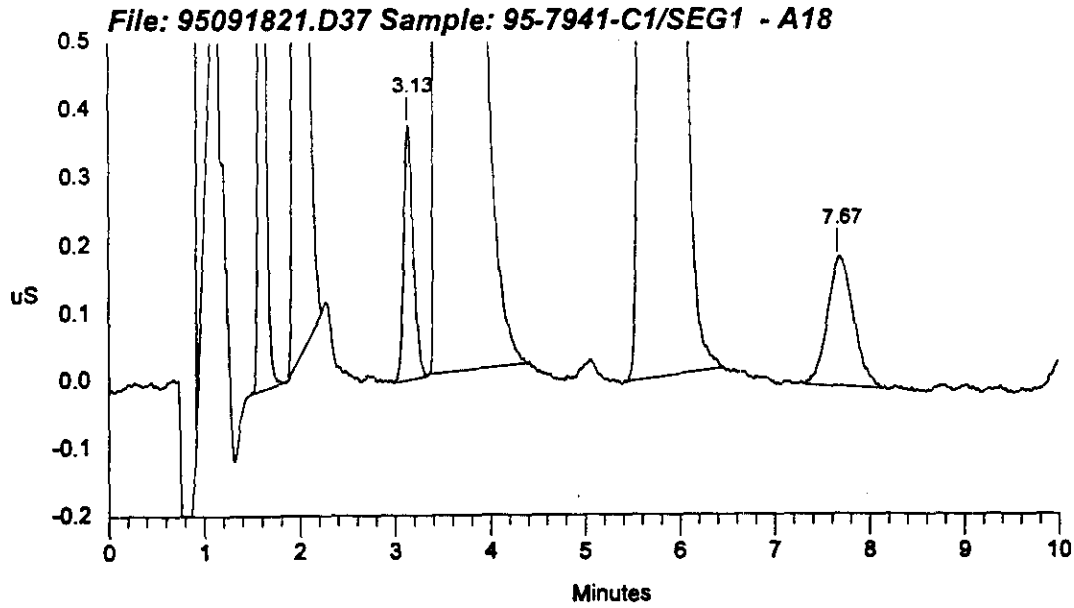
Data Reprocessed On 09/20/1995 23:31:36

Sample Name: 95-7941-C1/SEG1 - A18		Date: 09/18/1995 19:59:54	
Data File : C:\DX\DATA\9509182\95091821.D37			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 37 Vial:A18			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	66.466	38900136	154255432	1	0.35
2	1.60	CHLORIDE	6.475	1437533	6653731	1	0.00
3	2.00	NITRITE	77.347	14244649	71436899	1	-0.41
4	3.13	BROMIDE	5.404	369840	2607218	1	3.18
5	3.47	NITRATE	563.246	39554768	502557296	1	0.00
6	5.70	PHOSPHATE	647.985	21508971	298920165	1	0.00
7	7.67	SULFATE	7.059	185099	3701886	1	0.00
		Totals	1373.981	116200996	1040132628		



3-1741

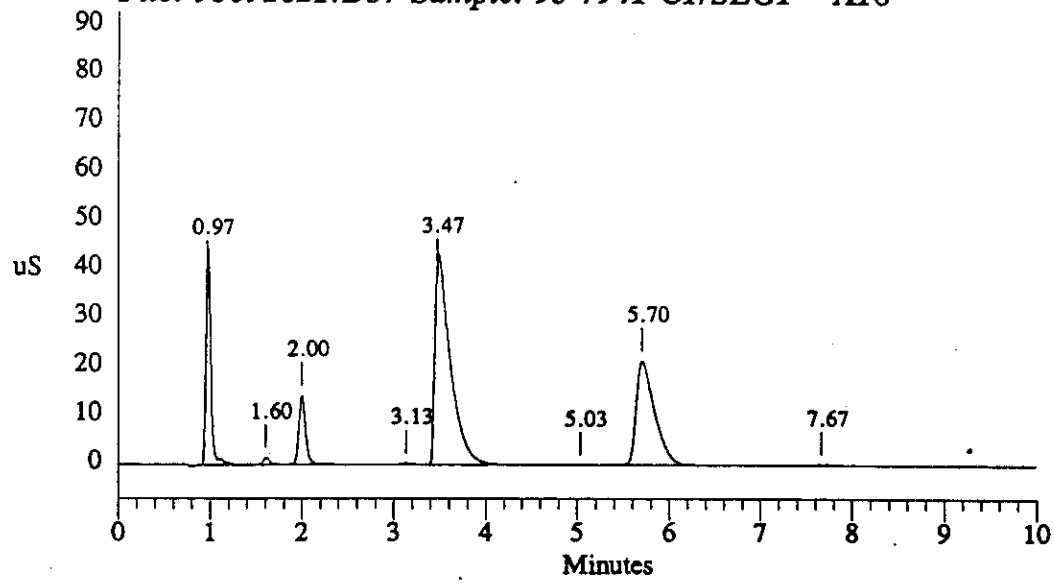
Sample Name: 95-7941-C1/SEG1 - A18 Date: 09/18/1995 19:59:54
Data File : C:\DX\DATA\9509182\95091821.D37
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 37 Vial:A18 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	71.991	39283448	167519924	1	0.35
2	1.60	CHLORIDE	7.243	1479331	7767270	1	0.00
3	2.00	NITRITE	79.506	14282110	73538462	1	-0.41
4	3.13	BROMIDE	5.404	369840	2607218	1	3.18
5	3.47	NITRATE	563.879	39556653	503255616	1	0.00
6	5.03		0.000	25968	342166	1	
7	5.70	PHOSPHATE	649.769	21515313	300008443	1	0.00
8	7.67	SULFATE	7.059	185099	3701886	1	0.00
		Totals	1384.852	116697764	1058740985		

File: 95091821.D37 Sample: 95-7941-C1/SEG1 - A18



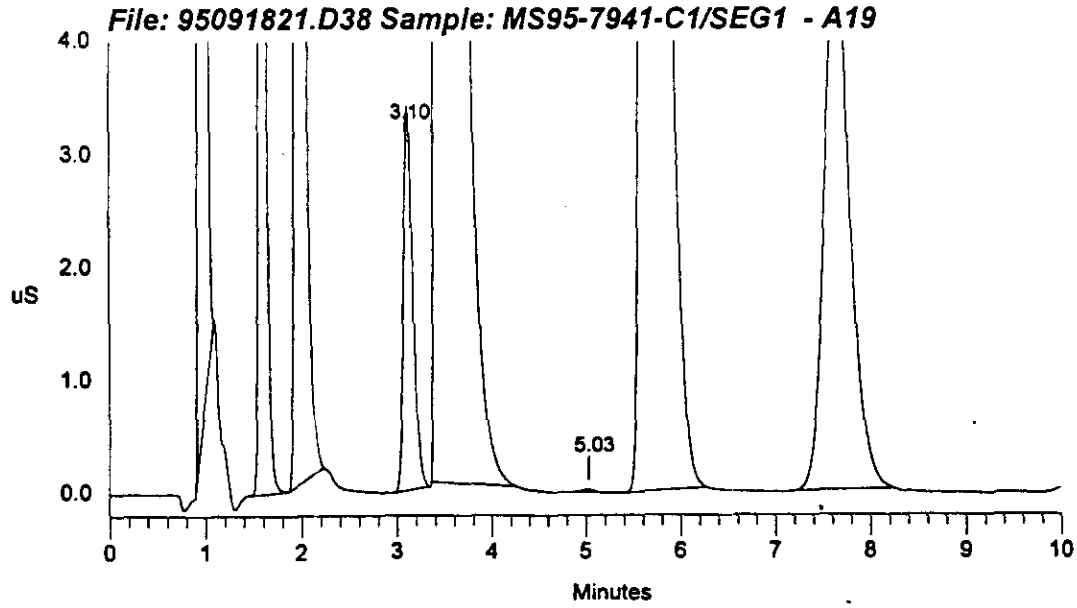
Data Reprocessed On 09/20/1995 23:34:43

Sample Name: MS95-7941-C1/SEG1 - A19	Date: 09/18/1995 20:16:22
Data File : C:\DX\DATA\9509182\95091821.D38	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 38 Vial:A19	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	104.762	63105749	246576514	1	0.35
2	1.60	CHLORIDE	41.643	13247539	59440723	1	0.00
3	1.98	NITRITE	170.223	28634289	162034126	1	-1.24
4	3.10	BROMIDE	43.164	2970329	23111437	1	2.08
5	3.47	NITRATE	651.618	50691455	604576864	1	0.00
6	5.03		0.000	25999	227232	1	
7	5.67	PHOSPHATE	733.468	24960702	354202183	1	-0.58
8	7.63	SULFATE	96.031	4877042	91215855	1	0.00
		Totals	1840.908	188513103	1541384935		



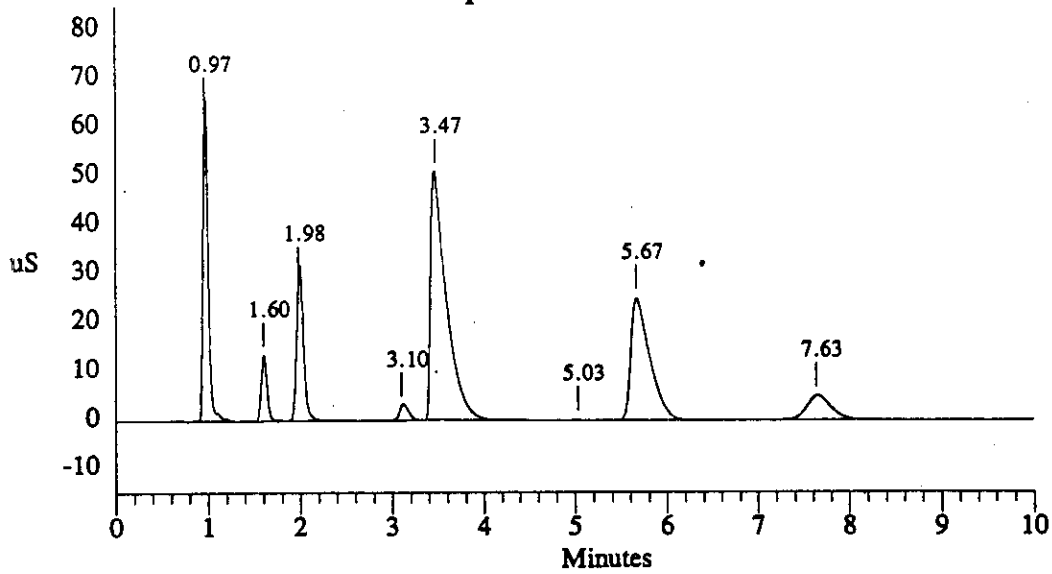
Sample Name: MS95-7941-C1/SEG1 - A19 Date: 09/18/1995 20:16:22
Data File : C:\DX\DATA\9509182\95091821.D38
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 38 Vial:A19 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	111.720	63702014	263451278	1	0.35
2	1.60	CHLORIDE	42.568	13299599	60883615	1	0.00
3	1.98	NITRITE	174.175	28701229	165898791	1	-1.24
4	3.10	BROMIDE	43.164	2970329	23111437	1	2.08
5	3.47	NITRATE	649.947	50641832	602552889	1	0.00
6	5.03		0.000	25999	227232	1	
7	5.67	PHOSPHATE	736.103	24974121	356022181	1	-0.58
8	7.63	SULFATE	98.180	4902611	93379735	1	0.00
		Totals	1855.859	189217732	1565527157		

File: 95091821.D38 Sample: MS95-7941-C1/SEG1 - A19



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

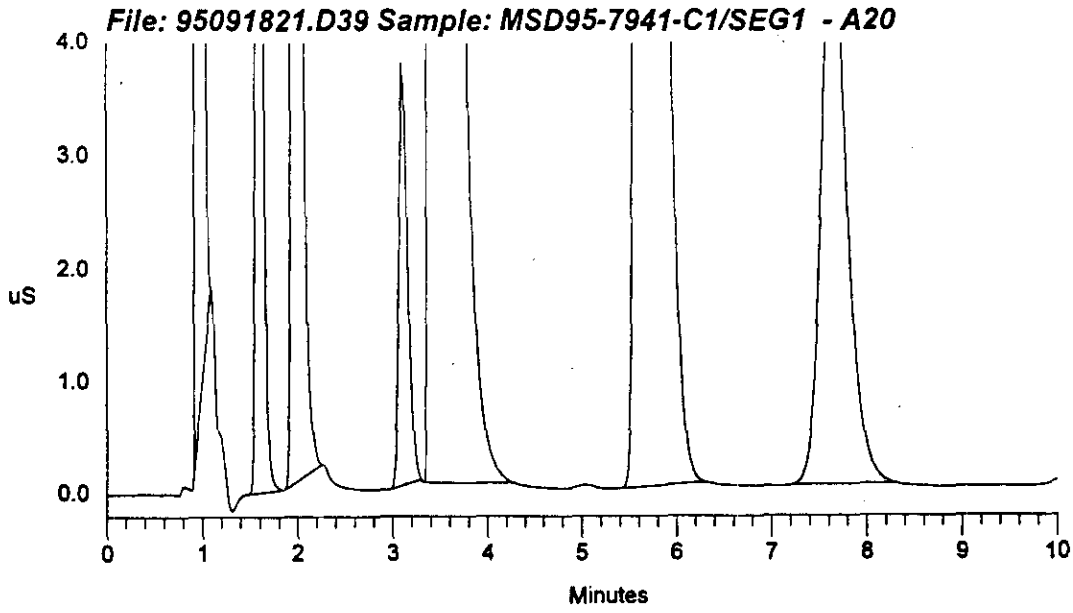
Data Reprocessed On 09/20/1995 23:36:51

Sample Name: MSD95-7941-C1/SEG1 - A20		Date: 09/18/1995 20:32:50	
Data File : C:\DX\DATA\9509182\95091821.D39			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 39 Vial:A20			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	116.204	67891540	274341163	1	0.35
2	1.60	CHLORIDE	43.181	13612768	61839512	1	0.00
3	1.98	NITRITE	187.598	31327467	179028055	1	-1.24
4	3.10	BROMIDE	44.495	3454178	23857583	1	2.08
5	3.43	NITRATE	738.333	59377614	715841733	1	0.00
6	5.63	PHOSPHATE	821.763	28175758	420204398	1	-0.21
7	7.63	SULFATE	99.593	5019375	94803930	1	0.00
		Totals	2051.167	208858700	1769916373		



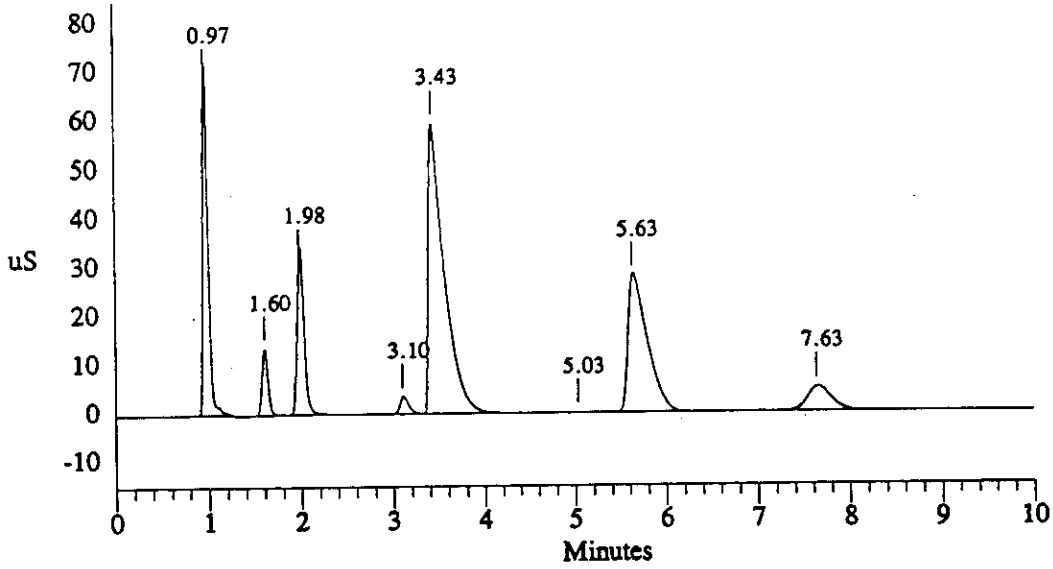
Sample Name: MSD95-7941-C1/SEG1 - A20 Date: 09/18/1995 20:32:50
Data File : C:\DX\DATA\9509182\95091821.D39
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 39 Vial:A20 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	123.617	68540785	292371242	1	0.35
2	1.60	CHLORIDE	44.258	13673511	63524725	1	0.00
3	1.98	NITRITE	191.821	31395264	183160368	1	-1.24
4	3.10	BROMIDE	44.495	3454178	23857583	1	2.08
5	3.43	NITRATE	739.158	59381078	716966192	1	0.00
6	5.03		0.000	29476	341629	1	
7	5.63	PHOSPHATE	824.308	28189752	422289502	1	-0.21
8	7.63	SULFATE	101.267	5038546	96492194	1	0.00
		Totals	2068.924	209702590	1799003435		

File: 95091821.D39 Sample: MSD95-7941-C1/SEG1 - A20



Data Reprocessed On 09/21/1995 00:05:27

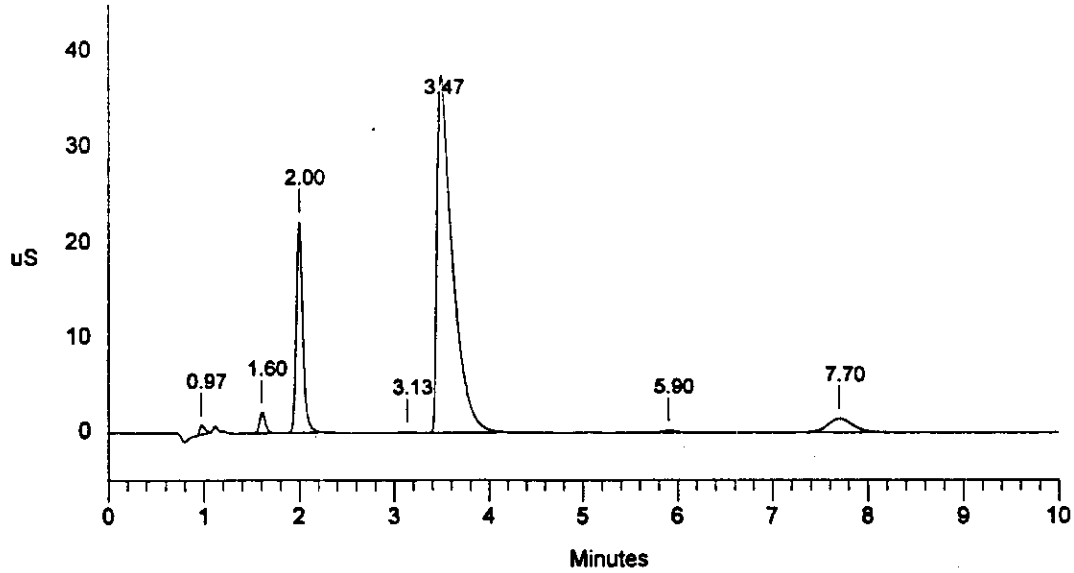
Sample Name: MS95-7932-C4/SEG2 - A21	Date: 09/18/1995 20:49:19
Data File : C:\DX\DATA\9509182\95091821.d40	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 40 Vial:A21	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	16.462	939162	3918572	1	0.35
2	1.60	CHLORIDE	41.591	2131406	9329031	1	0.00
3	2.00	NITRITE	571.774	22242250	107488738	1	-0.41
4	3.13	BROMIDE	8.992	106198	711839	1	3.18
5	3.47	NITRATE	2448.395	31674589	424267271	1	0.00
6	5.90	PHOSPHATE	56.114	200440	2819332	1	3.51
7	7.70	SULFATE	159.135	1466557	27672212	1	0.0(
		Totals	3302.463	58760603	576206995		

File: 95091821.d40 Sample: MS95-7932-C4/SEG2 - A21



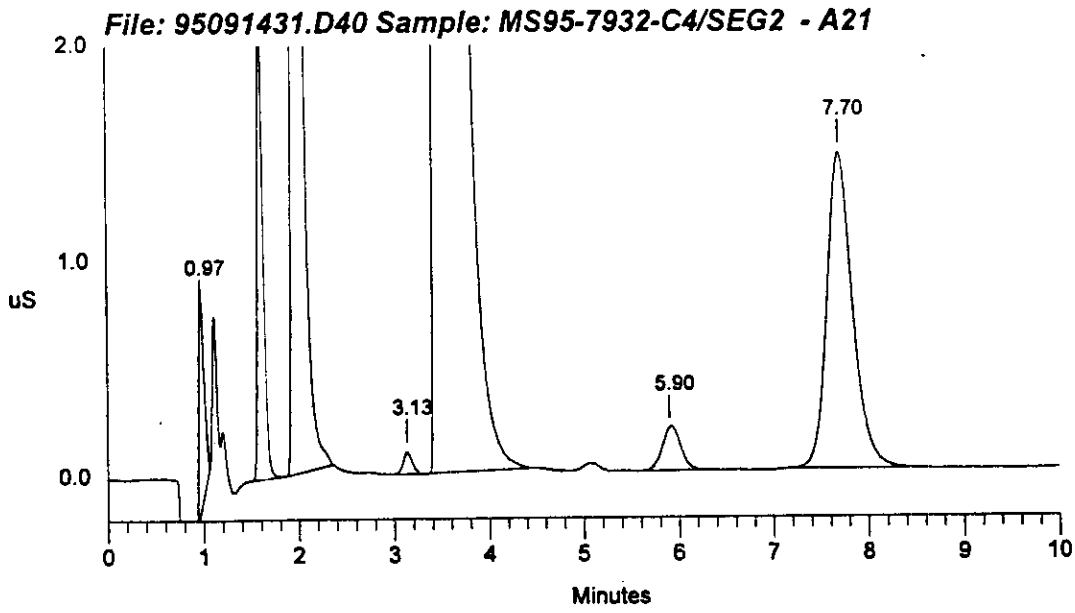
Data Reprocessed On 09/20/1995 23:43:02

Sample Name: MS95-7932-C4/SEG2 - A21	Date: 09/18/1995 20:49:19
Data File : C:\DX\DATA\9509182\95091431.D40	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 40 Vial:A21	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	16.462	939162	3918572	1	0.35
2	1.60	CHLORIDE	41.591	2131406	9329031	1	0.00
3	2.00	NITRITE	571.774	22242250	107488738	1	-0.41
4	3.13	BROMIDE	8.992	106198	711839	1	3.18
5	3.47	NITRATE	2448.395	31674589	424267271	1	0.00
6	5.90	PHOSPHATE	56.114	200440	2819332	1	3.51
7	7.70	SULFATE	159.135	1466557	27672212	1	0.00
		Totals	3302.463	58760603	576206995		



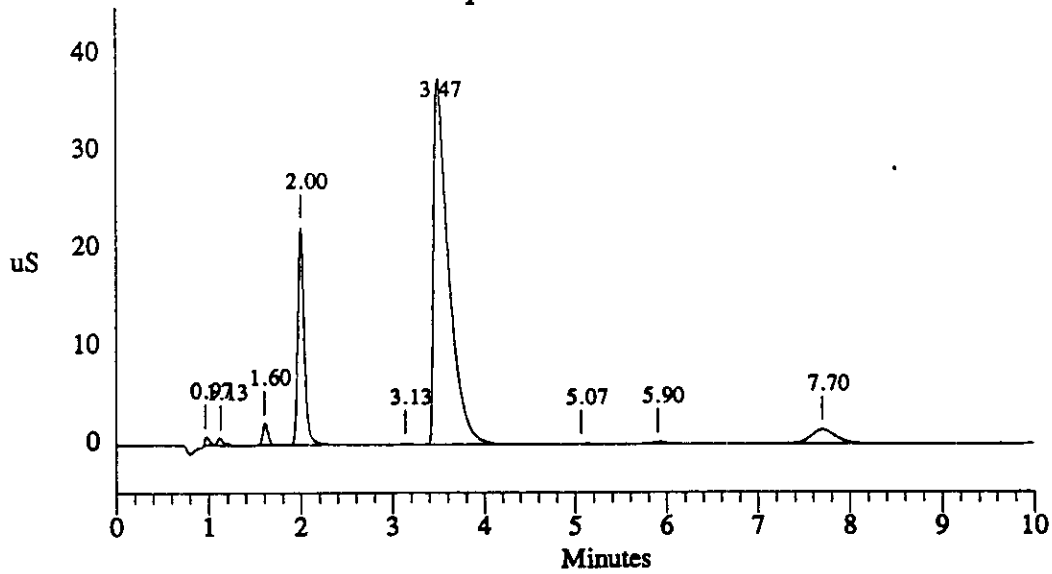
Sample Name: MS95-7932-C4/SEG2 - A21 Date: 09/18/1995 20:49:19
Data File : C:\DX\DATA\9509142\95091431.D40
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 40 Vial:A21 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	15.378	790111	3406590	2	0.35
2	1.13		0.000	653772	3827606	2	
3	1.60	CHLORIDE	43.363	2150850	9844446	1	0.00
4	2.00	NITRITE	578.479	22257090	108796218	1	-0.41
5	3.13	BROMIDE	8.992	106198	711839	1	3.18
6	3.47	NITRATE	2451.845	31676047	424977752	1	0.00
7	5.07		0.000	36391	443138	1	
8	5.90	PHOSPHATE	57.327	201311	2910601	1	3.51
9	7.70	SULFATE	159.166	1466580	27678260	1	0.00
		Totals	3314.550	59338350	582596450		

File: 95091431.D40 Sample: MS95-7932-C4/SEG2 - A21



Data Reprocessed On 09/21/1995 00:05:28

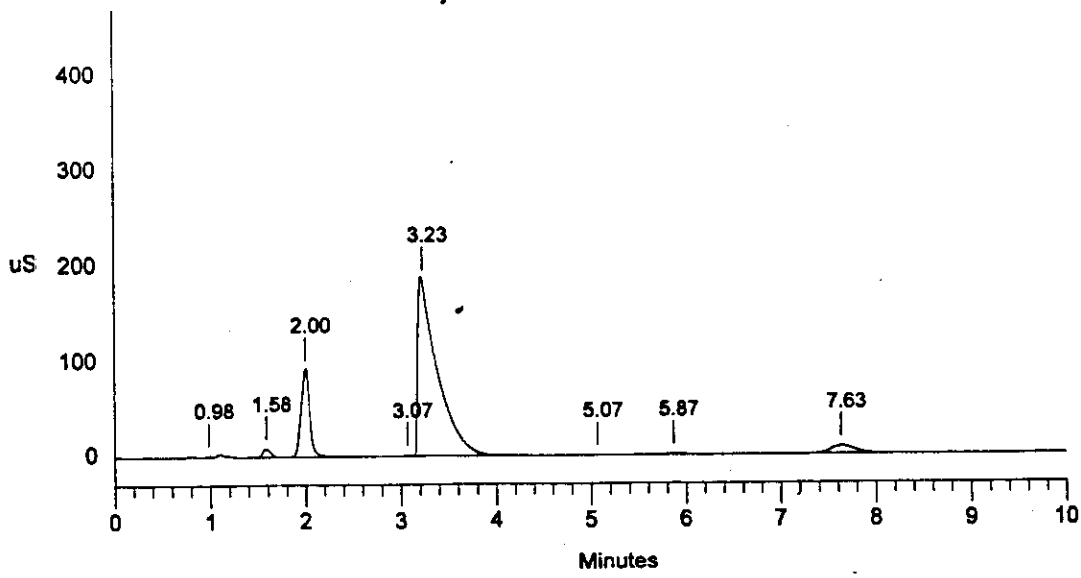
Sample Name: MS95-7932-C4/SEG2 - A22		Date: 09/18/1995 21:05:47	
Data File : C:\DX\DATA\9509182\95091821.d41			
Method : c:\dx\method\2anions2.met			
ACI Address: 1 System: 2 Inject#: 41 Vial:A22			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	3.937	1384727	5441440	1	3.51
2	1.58	CHLORIDE	35.653	8829738	50174800	1	0.00
3	2.00	NITRITE	600.596	91834332	587247592	1	0.64
4	3.07	BROMIDE	4.996	585606	2392088	1	2.05
5	3.23	NITRATE	621.077	185439955	2665690857	1	0.00
6	5.07		0.000	173316	2050164	1	
7	5.87	PHOSPHATE	42.940	1048453	14838175	1	6.61
8	7.63	SULFATE	156.400	8202914	152967956	1	0.00
		Totals	1465.599	297499041	3480803072		

File: 95091821.d41 Sample: MS95-7932-C4/SEG2 - A22



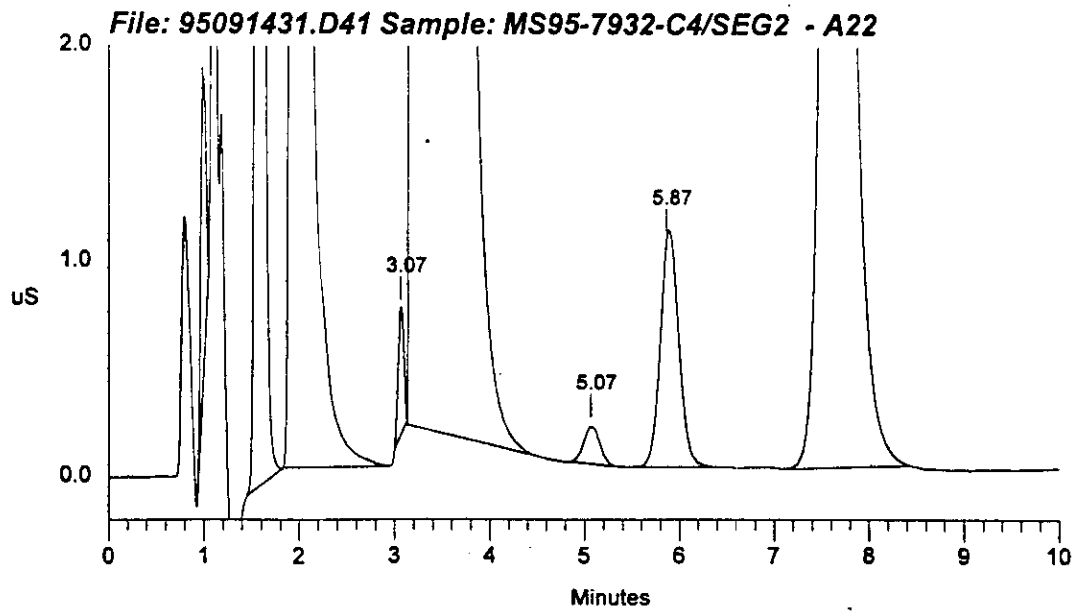
Data Reprocessed On 09/20/1995 23:48:15

Sample Name: MS95-7932-C4/SEG2 - A22	Date: 09/18/1995 21:05:47
Data File : C:\DX\DATA\9509182\95091431.D41	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 41 Vial:A22	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	20	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	3.937	1384727	5441440	1	3.51
2	1.58	CHLORIDE	35.653	8829738	50174800	1	0.00
3	2.00	NITRITE	600.596	91834332	587247592	1	0.64
4	3.07	BROMIDE	4.996	585606	2392088	1	2.05
5	3.23	NITRATE	621.077	185439955	2665690857	1	0.00
6	5.07		0.000	173316	2050164	1	
7	5.87	PHOSPHATE	42.940	1048453	14838175	1	6.61
8	7.63	SULFATE	156.400	8202914	152967956	1	0.00
		Totals	1465.599	297499041	3480803072		



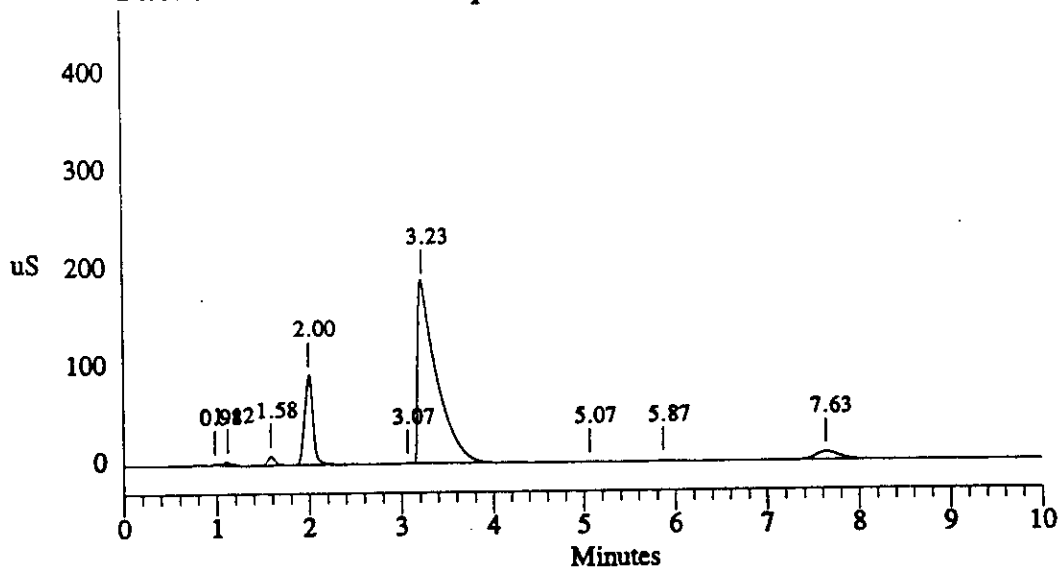
Sample Name: MS95-7932-C4/SEG2 - A22 Date: 09/18/1995 21:05:47
Data File : C:\DX\DATA\9509142\95091431.D41
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 41 Vial:A22 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	3.446	969336	4281302	2	3.16
2	1.12		0.000	3403566	21149731	2	
3	1.58	CHLORIDE	39.046	9033298	55408341	1	0.00
4	2.00	NITRITE	600.596	91834332	587247592	1	0.64
5	3.07	BROMIDE	2.404	346174	1029632	1	2.05
6	3.23	NITRATE	621.467	185439375	2665234346	1	0.00
7	5.07	PHOSPHATE	9.176	173316	2050164	1	-4.70
8	5.87		0.000	1050561	15031379	1	
9	7.63	SULFATE	157.288	8209888	153891428	1	0.00
		Totals	1433.423	300459846	3505323917		

File: 95091431.D41 Sample: MS95-7932-C4/SEG2 - A22



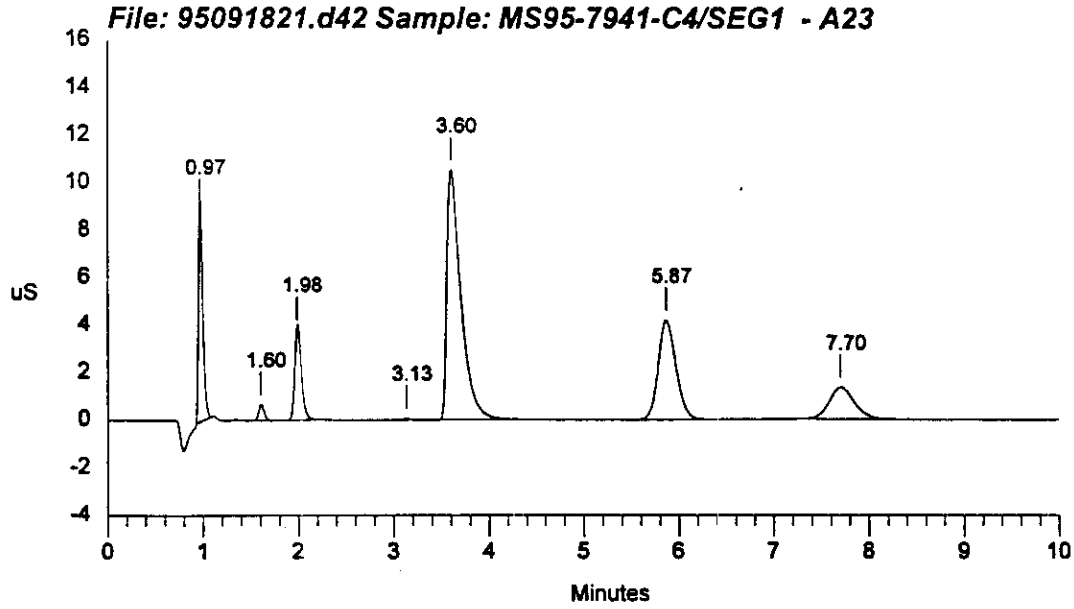
Data Reprocessed On 09/21/1995 00:05:29

Sample Name: MS95-7941-C4/SEG1 - A23	Date: 09/18/1995 21:22:15
Data File : C:\DX\DATA\9509182\95091821.d42	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 42 Vial:A23	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	70.225	8849756	29338912	1	0.35
2	1.60	CHLORIDE	18.495	656486	2642325	1	0.00
3	1.98	NITRITE	118.709	3811232	19330379	1	-1.24
4	3.13	BROMIDE	6.256	65217	425204	1	3.18
5	3.60	NITRATE	704.586	10530131	107389552	1	0.00
6	5.87	PHOSPHATE	719.782	4185369	54449579	1	-0.89
7	7.70	SULFATE	145.415	1337834	25002120	1	0.00
		Totals	1783.467	29436025	238578070		



Data Reprocessed On 09/20/1995 23:53:43

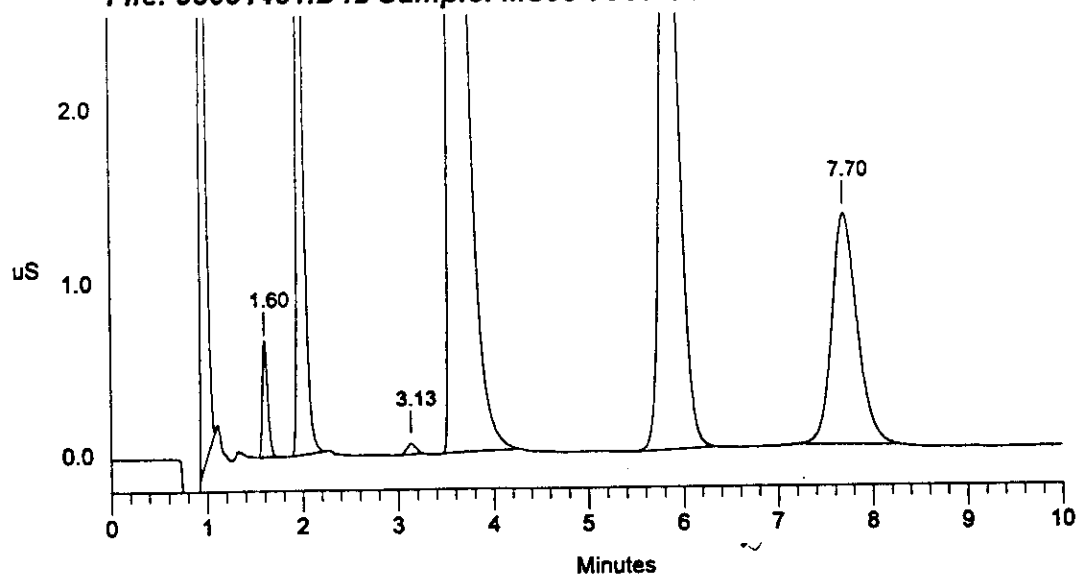
Sample Name: MS95-7941-C4/SEG1 - A23	Date: 09/18/1995 21:22:15
Data File : C:\DX\DATA\9509182\95091431.D42	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 42 Vial:A23	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	70.225	8849756	29338912	1	0.35
2	1.60	CHLORIDE	18.495	656486	2642325	1	0.00
3	1.98	NITRITE	118.709	3811232	19330379	1	-1.24
4	3.13	BROMIDE	6.256	65217	425204	1	3.18
5	3.60	NITRATE	704.586	10530131	107389552	1	0.00
6	5.87	PHOSPHATE	719.782	4185369	54449579	1	-0.89
7	7.70	SULFATE	145.415	1337834	25002120	1	0.00
		Totals	1783.467	29436025	238578070		

File: 95091431.D42 Sample: MS95-7941-C4/SEG1 - A23



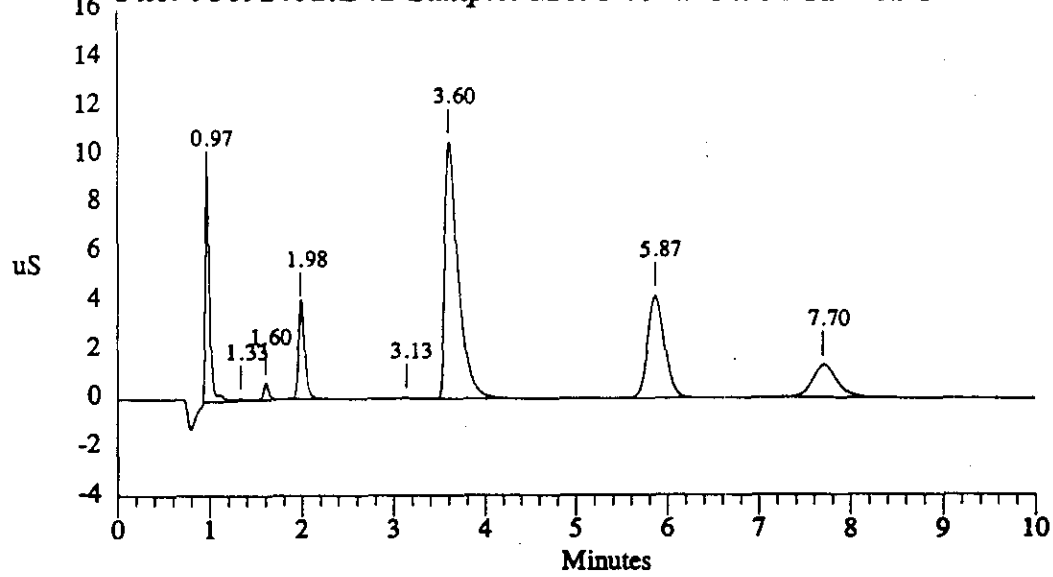
Sample Name: MS95-7941-C4/SEG1 - A23 Date: 09/18/1995 21:22:15
Data File : C:\DX\DATA\9509142\95091431.D42
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 42 Vial:A23 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	76.951	8914963	32523929	3	0.35
2	1.33		0.000	77614	826804	4	
3	1.60	CHLORIDE	19.983	691017	3071261	2	0.00
4	1.98	NITRITE	121.371	3819910	19847215	1	-1.24
5	3.13	BROMIDE	7.053	69893	508670	1	3.18
6	3.60	NITRATE	709.307	10533658	108157618	1	0.00
7	5.87	PHOSPHATE	723.966	4189718	54786834	1	-0.89
8	7.70	SULFATE	150.653	1350847	26021171	1	0.00
		Totals	1809.284	29647621	245743503		

File: 95091431.D42 Sample: MS95-7941-C4/SEG1 - A23



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

Data Reprocessed On 09/21/1995 00:05:29

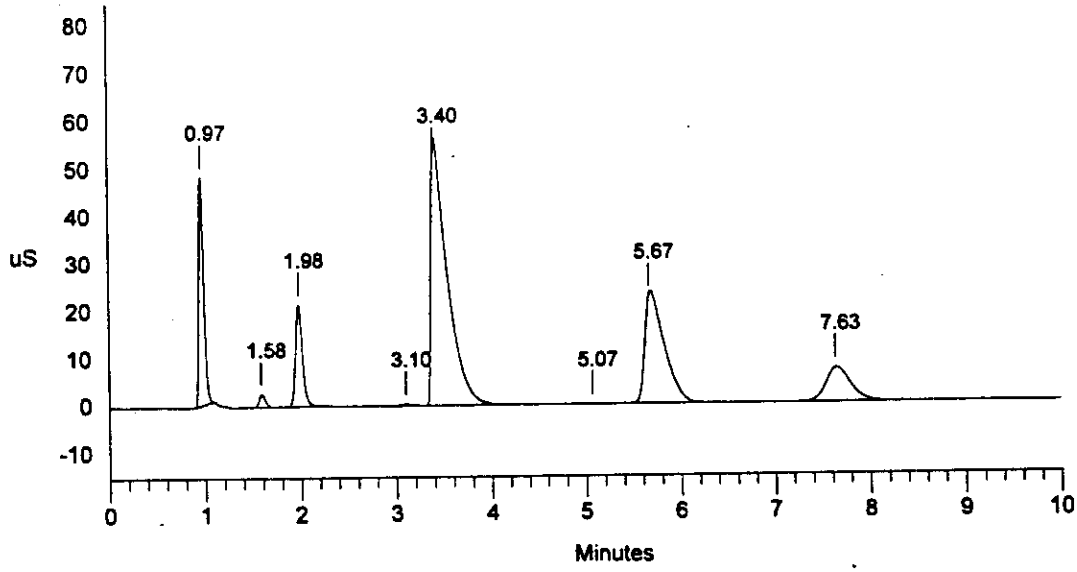
Sample Name: MS95-7941-C4/SEG1 - A24	Date: 09/18/1995 21:38:43
Data File : C:\DX\DATA\9509182\95091821.d43	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 43 Vial:A24	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	74.310	48217320	173091458	1	1.41
2	1.58	CHLORIDE	10.462	2593728	12451725	1	0.00
3	1.98	NITRITE	114.886	21455263	108006330	1	-0.20
4	3.10	BROMIDE	4.999	361403	2393807	1	3.16
5	3.40	NITRATE	700.687	51847942	665937499	1	0.00
6	5.07		0.000	23451	262818	1	
7	5.67	PHOSPHATE	707.143	22718806	336436498	1	1.36
8	7.63	SULFATE	139.510	7197263	135484268	1	0.00
		Totals	1751.996	154415176	1434064403		

File: 95091821.d43 Sample: MS95-7941-C4/SEG1 - A24



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

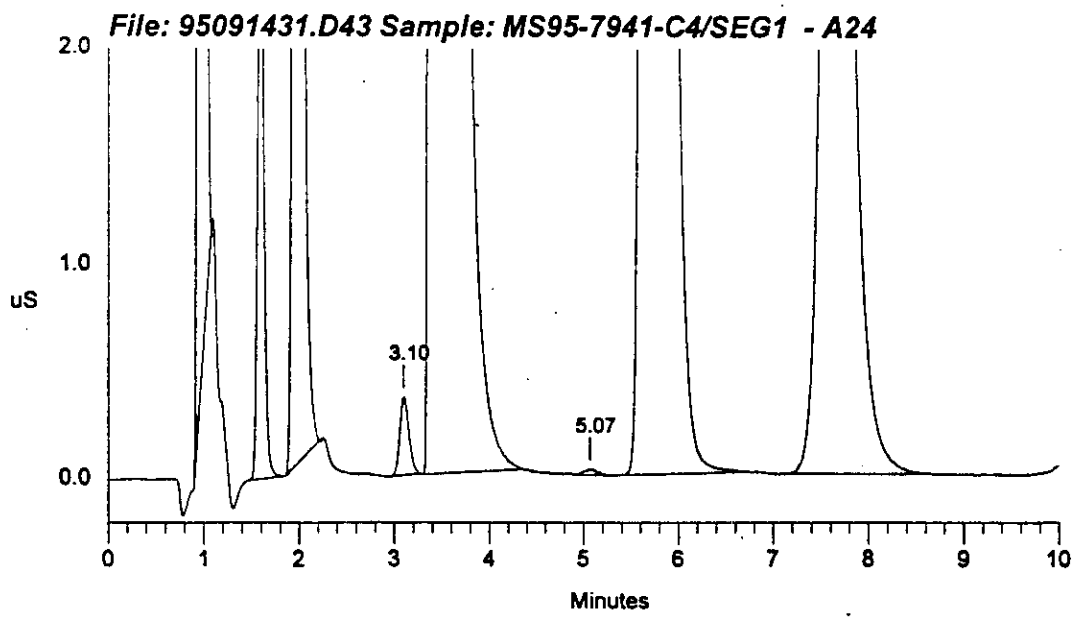
Data Reprocessed On 09/20/1995 23:56:23

Sample Name: MS95-7941-C4/SEG1 - A24	Date: 09/18/1995 21:38:43
Data File : C:\DX\DATA\9509182\95091431.D43	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 43 Vial:A24	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	74.310	48217320	173091458	1	1.41
2	1.58	CHLORIDE	10.462	2593728	12451725	1	0.00
3	1.98	NITRITE	114.886	21455263	108006330	1	-0.20
4	3.10	BROMIDE	4.999	361403	2393807	1	3.16
5	3.40	NITRATE	700.687	51847942	665937499	1	0.00
6	5.07		0.000	23451	262818	1	
7	5.67	PHOSPHATE	707.143	22718806	336436498	1	1.36
8	7.63	SULFATE	139.510	7197263	135484268	1	0.00
		Totals	1751.996	154415176	1434064403		



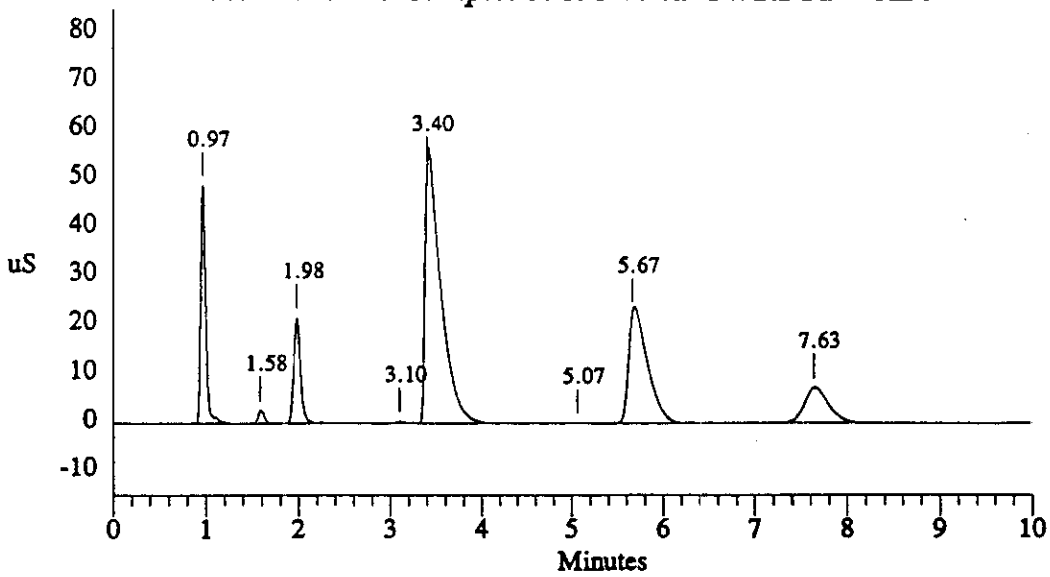
Sample Name: MS95-7941-C4/SEG1 - A24 Date: 09/18/1995 21:38:43
Data File : C:\DX\DATA\9509142\95091431.D43
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 43 Vial:A24 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	20	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	80.127	48723665	187084026	1	1.41
2	1.58	CHLORIDE	11.418	2648761	13850207	1	0.00
3	1.98	NITRITE	118.364	21515451	111398304	1	-0.20
4	3.10	BROMIDE	5.007	361610	2397912	1	3.16
5	3.40	NITRATE	701.547	51850320	667048201	1	0.00
6	5.07		0.000	21128	217158	1	
7	5.67	PHOSPHATE	707.908	22720630	336943066	1	1.36
8	7.63	SULFATE	139.727	7198465	135707489	1	0.00
		Totals	1764.099	155040030	1454646364		

File: 95091431.D43 Sample: MS95-7941-C4/SEG1 - A24



Data Reprocessed On 09/21/1995 00:05:30

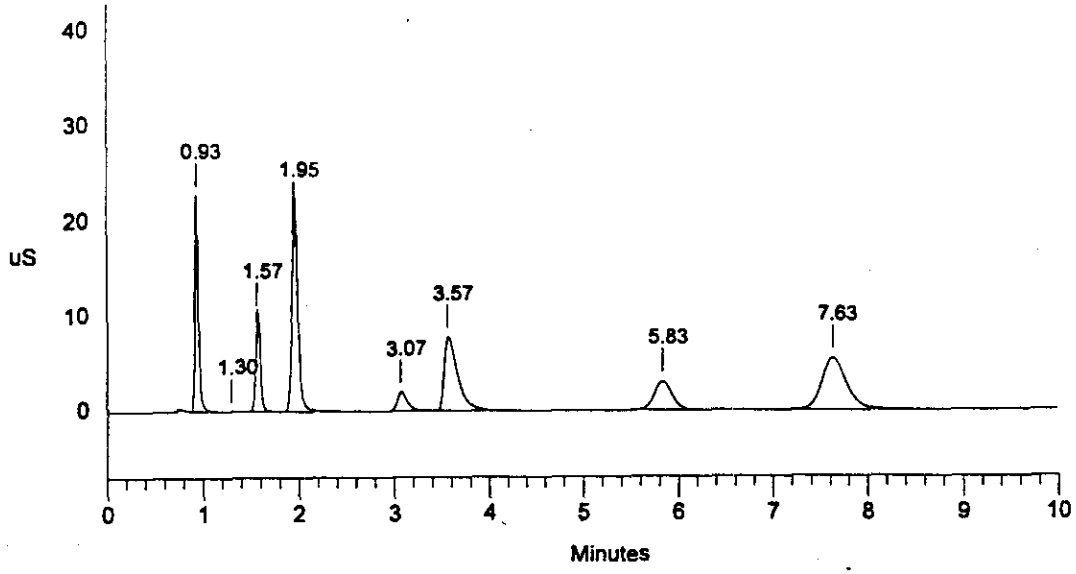
Sample Name: A950609V1/LO - A05	Date: 09/18/1995 21:51:20
Data File : C:\DX\DATA\9509182\95091821.d44	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 44 Vial:A05	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	26.103	22722122	57927384	1	-1.05
2	1.30		0.000	45182	244183	1	
3	1.57	CHLORIDE	25.872	10207255	35297166	1	0.00
4	1.95	NITRITE	105.416	20814886	98775390	1	-0.83
5	3.07	BROMIDE	27.523	1907484	14466172	1	3.13
6	3.57	NITRATE	102.883	7758874	76769887	1	0.00
7	5.83	PHOSPHATE	106.669	3011746	39580172	1	-0.53
8	7.63	SULFATE	105.715	5473064	100985665	1	0.00
		Totals	500.181	71940614	424046020		

File: 95091821.d44 Sample: A950609V1/LO - A05



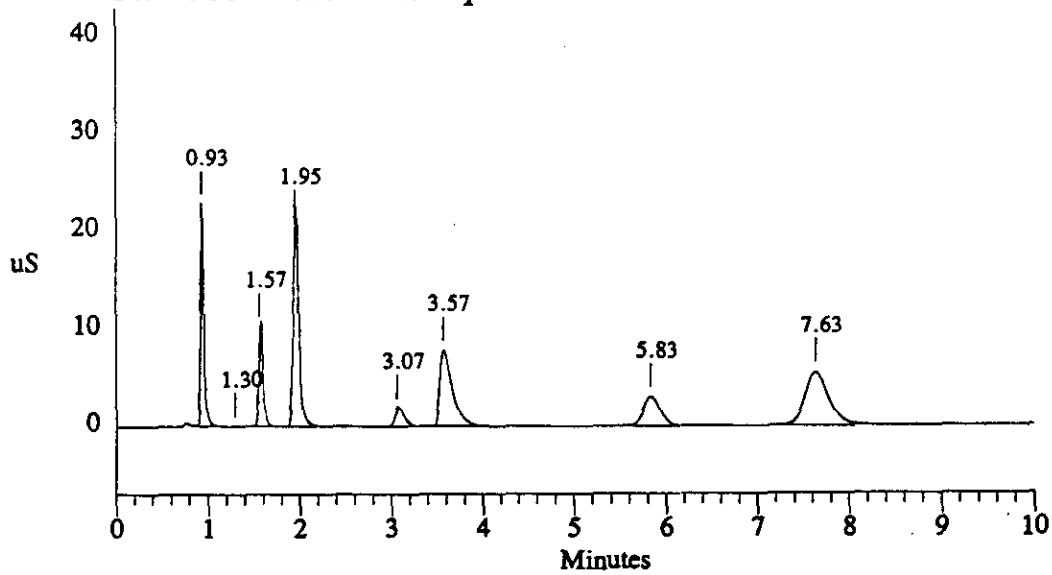
Sample Name: A950609V1/LO - A05 Date: 09/18/1995 21:51:20
Data File : C:\DX\DATA\9509142\95091431.D44
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 44 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.103	22722122	57927384	1	-1.05
2	1.30		0.000	45182	244183	1	
3	1.57	CHLORIDE	25.872	10207255	35297166	1	0.00
4	1.95	NITRITE	105.416	20814886	98775390	1	-0.83
5	3.07	BROMIDE	27.523	1907484	14466172	1	3.13
6	3.57	NITRATE	102.883	7758874	76769887	1	0.00
7	5.83	PHOSPHATE	106.669	3011746	39580172	1	-0.53
8	7.63	SULFATE	105.715	5473064	100985665	1	0.00
		Totals	500.181	71940614	424046020		

File: 95091431.D44 Sample: A950609V1/LO - A05



Data Reprocessed On 09/21/1995 00:05:31

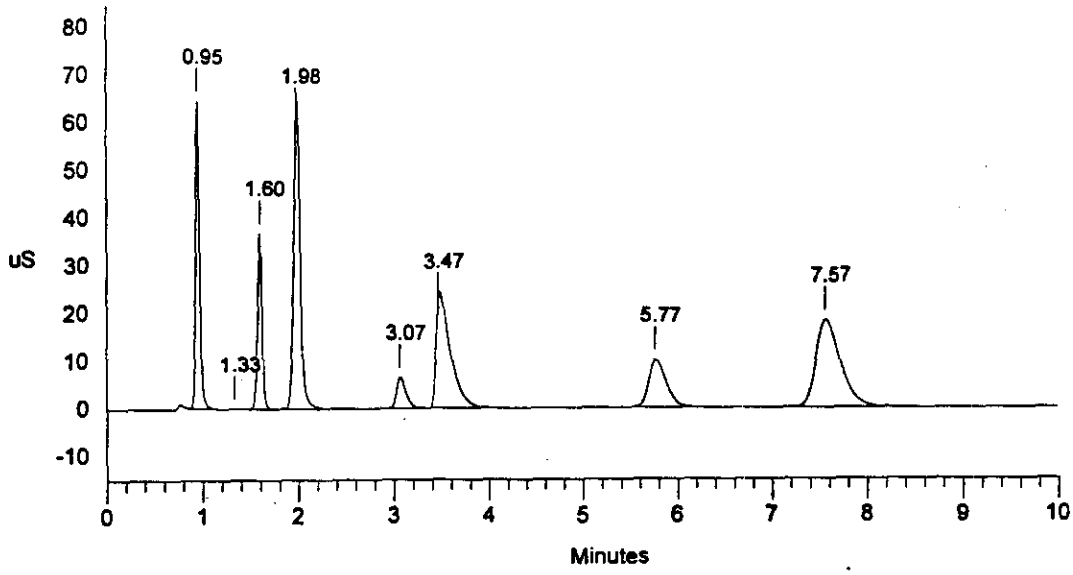
Sample Name: A950609V2/MID - A05	Date: 09/18/1995 22:04:22
Data File : C:\DX\DATA\9509182\95091821.d45	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 45 Vial:A05	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A	

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	26.779	64574564	187591242	1	-1.38
2	1.33		0.000	123814	696040	1	
3	1.60	CHLORIDE	26.643	37070486	121806131	1	0.00
4	1.98	NITRITE	107.891	60536380	312612323	1	-1.24
5	3.07	BROMIDE	27.295	6665367	45564488	1	0.99
6	3.47	NITRATE	105.289	21691420	257083366	1	0.00
7	5.77	PHOSPHATE	108.921	10247410	132298306	1	1.17
8	7.57	SULFATE	108.193	18595536	337119921	1	0.00
		Totals	511.010	219504977	1394771817		

File: 95091821.d45 Sample: A950609V2/MID - A05



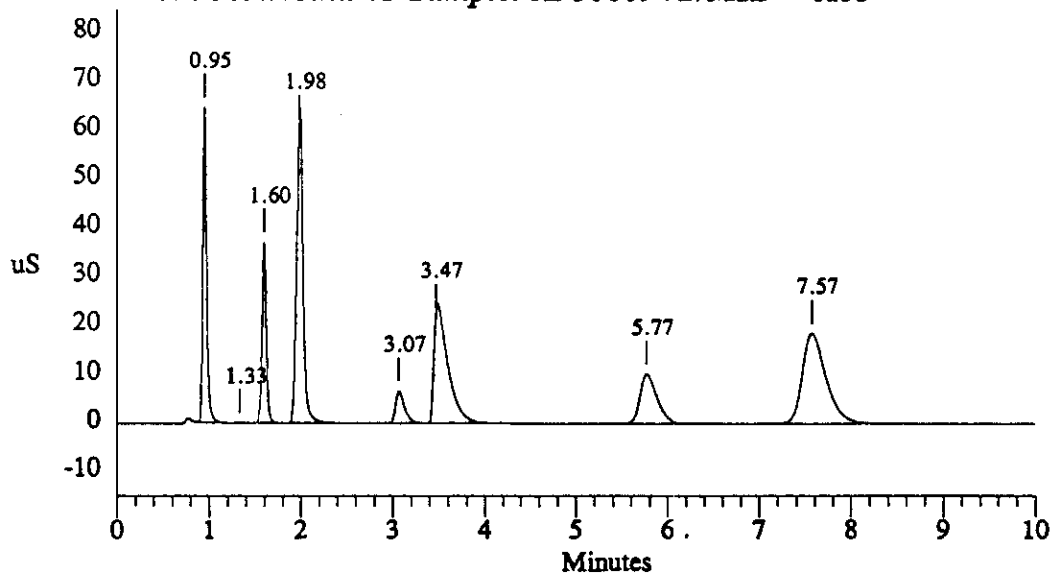
Sample Name: A950609V2/MID - A05 Date: 09/18/1995 22:04:22
Data File : C:\DX\DATA\9509142\95091431.D45
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 45 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	26.779	64574564	187591242	1	-1.38
2	1.33		0.000	123814	696040	1	
3	1.60	CHLORIDE	26.643	37070486	121806131	1	0.00
4	1.98	NITRITE	107.891	60536380	312612323	1	-1.24
5	3.07	BROMIDE	27.295	6665367	45564488	1	0.99
6	3.47	NITRATE	105.289	21691420	257083366	1	0.00
7	5.77	PHOSPHATE	108.921	10247410	132298306	1	1.17
8	7.57	SULFATE	108.193	18595536	337119921	1	0.00
		Totals	511.010	219504977	1394771817		

File: 95091431.D45 Sample: A950609V2/MID - A05



Data Reprocessed On 09/21/1995 00:05:32

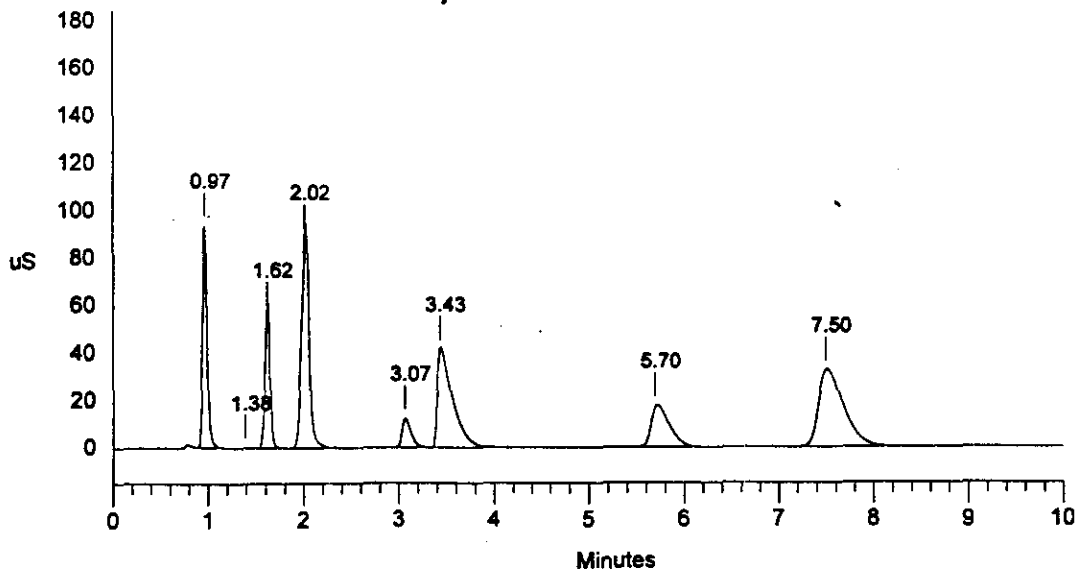
Sample Name: A950609V3/HI - A05	Date: 09/18/1995 22:17:46
Data File : C:\DX\DATA\9509182\95091821.d46	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 46 Vial:A05	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	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	26.846	93702120	318248592	1	-0.68
2	1.38		0.000	180693	931996	1	
3	1.62	CHLORIDE	26.775	56031429	221679096	1	0.00
4	2.02	NITRITE	107.560	88966402	524640308	1	-0.61
5	3.07	BROMIDE	27.358	12312719	80582645	1	-0.06
6	3.43	NITRATE	105.498	41453554	463842153	1	0.00
7	5.70	PHOSPHATE	109.031	17536987	239918433	1	0.97
8	7.50	SULFATE	108.399	32564839	611166166	1	0.00
		Totals	511.469	342748742	2461009390		

File: 95091821.d46 Sample: A950609V3/HI - A05



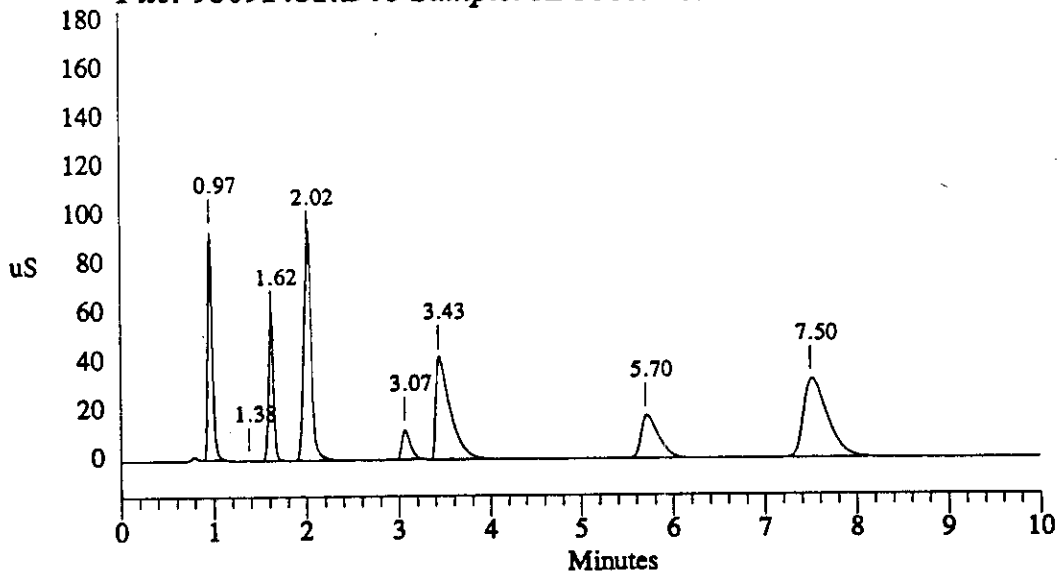
Sample Name: A950609V3/HI - A05 Date: 09/18/1995 22:17:46
Data File : C:\DX\DATA\9509142\95091431.D46
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 46 Vial:A05 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	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	26.846	93702120	318248592	1	-0.68
2	1.38		0.000	180693	931996	1	
3	1.62	CHLORIDE	26.775	56031429	221679096	1	0.00
4	2.02	NITRITE	107.560	88966402	524640308	1	-0.61
5	3.07	BROMIDE	27.358	12312719	80582645	1	-0.06
6	3.43	NITRATE	105.498	41453554	463842153	1	0.00
7	5.70	PHOSPHATE	109.031	17536987	239918433	1	0.97
8	7.50	SULFATE	108.399	32564839	611166166	1	0.00
		Totals	511.469	342748742	2461009390		

File: 95091431.D46 Sample: A950609V3/HI - A05



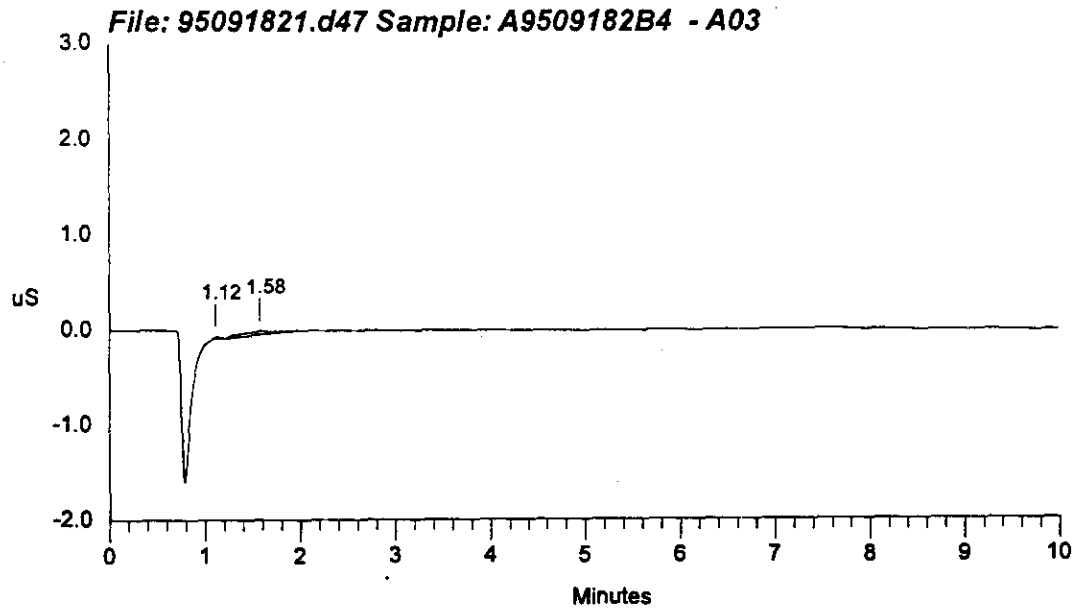
Data Reprocessed On 09/21/1995 00:05:33

Sample Name: A9509182B4 - A03		Date: 09/18/1995 22:34:15
Data File : C:\DX\DATA\9509182\95091821.d47		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 47 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	1.12		0.000	20386	94193	1	
2	1.58	CHLORIDE	0.125	38001	930138	1	0.00
		Totals	0.125	58387	1024331		

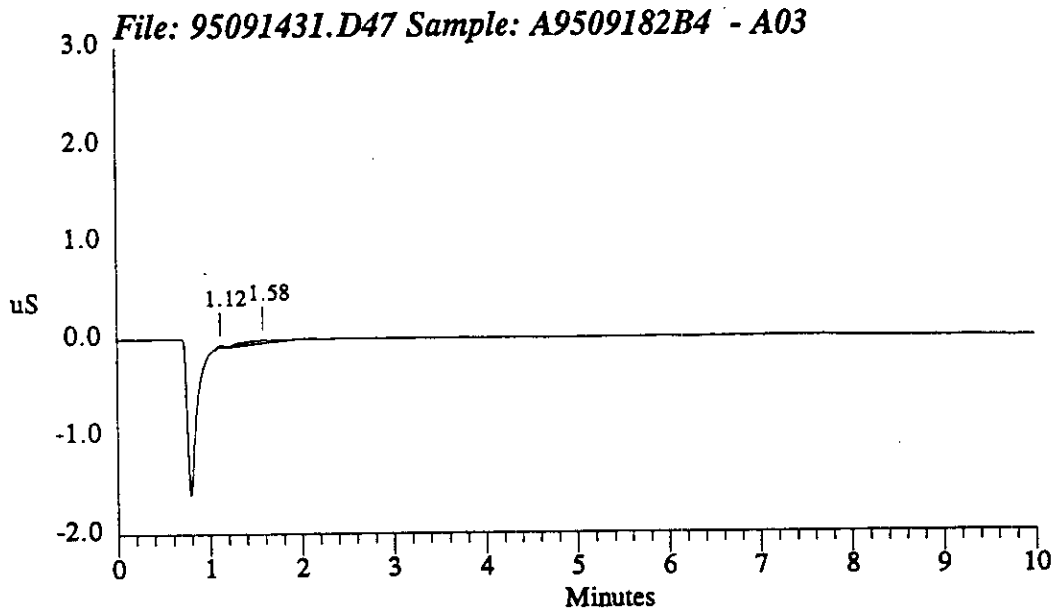


Sample Name: A9509182B4 - A03 Date: 09/18/1995 22:34:15
Data File : C:\DX\DATA\9509142\95091431.D47
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 47 Vial:A03 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.12		0.000	20386	94193	1	
2	1.58	CHLORIDE	0.125	38001	930138	1	0.00
		Totals	0.125	58387	1024331		



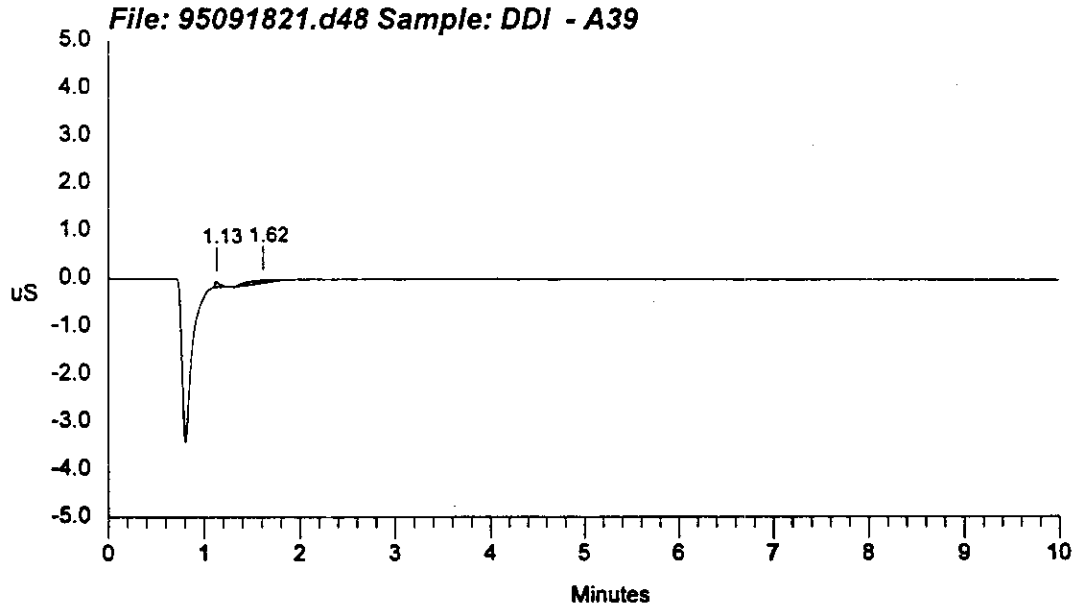
Data Reprocessed On 09/21/1995 00:05:34

Sample Name: DDI - A39	Date: 09/18/1995 22:50:42
Data File : C:\DX\DATA\9509182\95091821.d48	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 48 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	1.13		0.000	132002	522166	1	
2	1.62	CHLORIDE	0.138	64035	1293187	1	0.00
		Totals	0.138	196037	1815353		

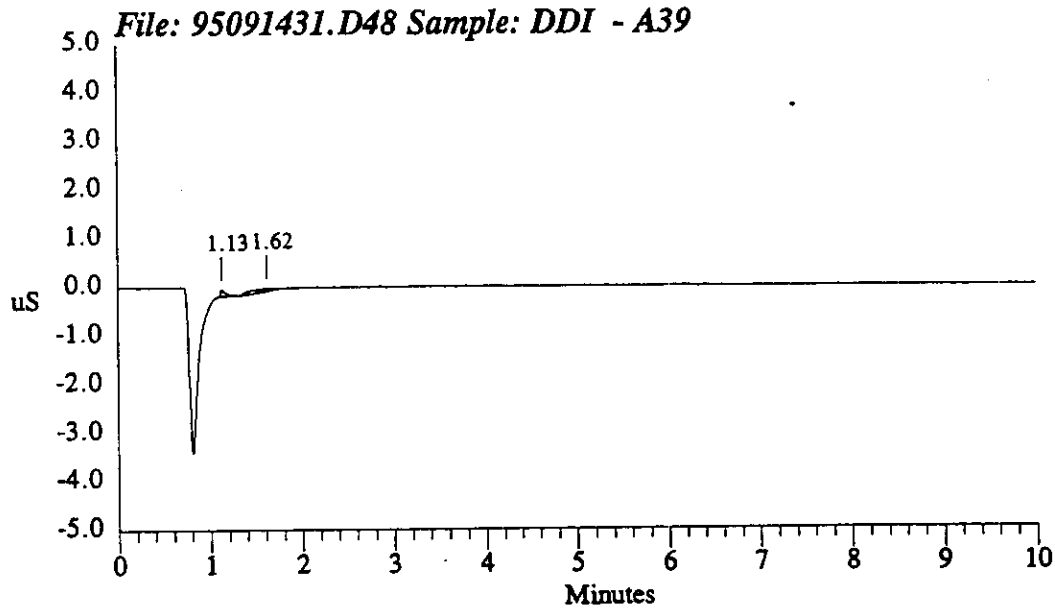


Sample Name: DDI - A39 Date: 09/18/1995 22:50:42
Data File : C:\DX\DATA\9509142\95091431.D48
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 48 Vial:A39 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A

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	1.13		0.000	132002	522166	1	
2	1.62	CHLORIDE	0.138	64035	1293187	1	0.00
		Totals	0.138	196037	1815353		



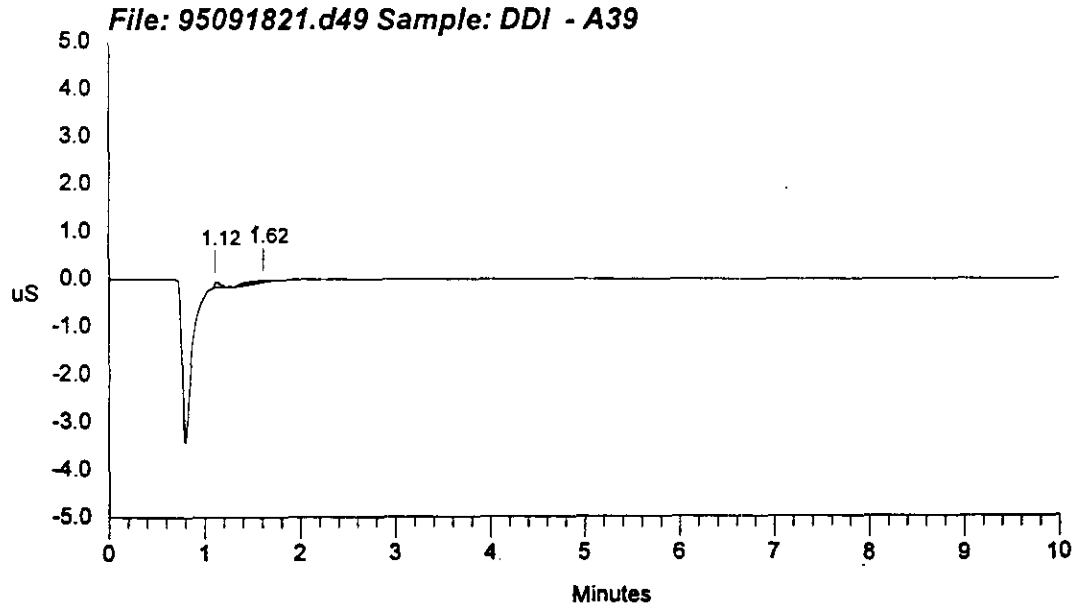
Data Reprocessed On 09/21/1995 00:05:35

Sample Name: DDI - A39		Date: 09/18/1995 23:07:08
Data File : C:\DX\DATA\9509182\95091821.d49		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 49 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	1.12		0.000	107861	578640	1	
2	1.62	CHLORIDE	0.130	52367	1047058	1	0.00
		Totals	0.130	160228	1625699		



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Sample Name: DDI  - A39                    Date: 09/18/1995 23:07:08
Data File  : C:\DX\DATA\9509142\95091431.D49
Method     : c:\dx\method\2anions2.met
ACI Address: 1  System: 2  Inject#: 49  Vial:A39        Detector:PED-Cond.
Analyst    : MMO            Column: AG4A/AS4A
```
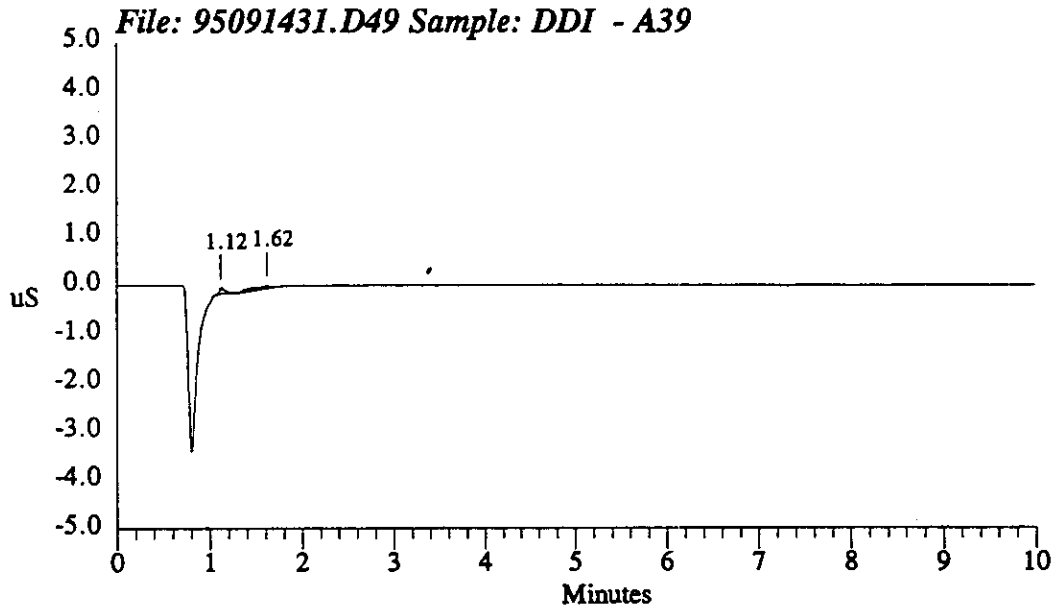

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.00	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12		0.000	107861	578640	1	
2	1.62	CHLORIDE	0.130	52367	1047058	1	0.00
		Totals	0.130	160228	1625699		



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

C4 - TOTAL CYANIDE ANALYSIS

3-1771

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DATE TO QC: 09/29/95

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

DATA QUALITY REVIEW

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

Analyte - Total Cyanide

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers -

95-07941-G1	95-07941-G2	95-07941-G3
95-07941-G4	95-07941-G5	95-07942-G1
95-07942-G2	95-07943-G1	95-07943-G2
95-07944-G1	95-07944-G2	95-07945-G1
95-07945-G2	95-07946-G1	95-07946-G2
95-07947-G1	95-07947-G2	95-07948-G1
95-07948-G2	95-07932-G1	95-07932-G2
95-07932-G3	95-07932-G4	95-07932-G5
95-07935-G1	95-07935-G2	

PNL ACL Quality Representative

9/29/95
Date

3-1772

Battelle
Pacific Northwest Laboratories

Project Number 21372

Internal Distribution

File/LB

Date September 28, 1995

To Kurt Silvers

From M. O'Neill

Subject BY 108 Samples: 95-07941 to 95-07948, and 95-07932 to 95-07935

The BY 108 tank samples were micro distilled by the SAL according to procedure PNL-ALO-285. Samples 95-07932 to 95-07935 were micro distilled on 9/12/95, and samples 95-07941 to 95-07948 were micro distilled on 9/13/95. The samples were stored at 4°C ± 2°C until analysis on 9/26/95 in lab 419 of building 325 according to procedure PNL-ALO-289. The Lachat QuikChem AE, equipped with an autosampler (M&TE # WC36517) was used to analyze the samples using method CN01. The samples were aliquoted and delivered to lab 419 by the SAL.

An ICV/CCV was micro distilled on 9/25/95 in lab 419. Recoveries for the ICV/CCV's were within acceptable limits of 100% ± 15%. The blank spike and matrix spike recoveries were also within acceptable limits for MCS-033, but not 100% ± 10% for the TCP. Relavtive percent difference are within acceptable limits with the exception of 95-7947 and 95-7948. After micro distillation of samples 95-7947-G1 and 95-7948-G2, it was noted that only a few drops of distillate was recovered, and values for these samples cannot be reported with confidence.

Sample ID	Flag	Cyanide Concentration (ug/g)	Cyanide Concentration ~~(ug/l)~~ ug/ml MON 9/28/95	Percent Recovery	RPD
95-7941-G1		<264*			
95-7941-G2		94.6			
95-7941-G3	B	0.64			
95-7941-G4				79%	
95-7941-G5				89%	
95-7942-G1		116			
95-7942-G2		120			3%
95-7943-G1		149			
95-7943-G2		135			10%
95-7944-G1		195			
95-7944-G2		191			2%
95-7945-G1		742			
95-7945-G2		760			2%
95-7946-G1		1660			

ES4-1920-001 (10/89)

Sample ID	Flag	Cyanide Concentration (ug/g)	Cyanide Concentration (~~ug/l~~ ug/ml)	Percent Recovery	RPD
95-7946-G2		1650			1%
95-7947-G1		27.5			
95-7947-G2		1660			
95-7948-G1		1150			
95-7948-G2		2.76			
95-7932-G1			715		
95-7932-G2			712		<1%
95-7932-G3	B		0.25		
95-7932-G4				88%	
95-7932-G5				88%	
95-7935-G1			521		
95-7935-G2			532		2%

*Sample 95-7941-G1 was titrated using 0.0192 N $AgNO_3$. After addition of 0.025 ml, one drop of 0.0192 N $AgNO_3$, the sample was titrated beyond the endpoint. The cyanide in the sample is reported as a less than value.

All sample and QC results can be found in system file: CN-325-419 Run Log #398.

M. O'Neill

MM O'Neill

Concur MW Ulm 9/29/95

Total Cyanide Analysis Report
Micro distillation PNL-ALO-287
Micro distillation PNL-ALO-285
Total CN Analysis PNL-ALO-289
Project: 21372

ICV/CCV Micro Distilled: 9/25/95 in 419
Sample Micro Distilled: 9/13/95 in SAL
Date Analyzed: 09/26/95
M&TE: WC36517, Lachat QuikChem AE Autoanalyzer
WD04501, Mettler AT400 Balance in 419

Battelle PNL ACL System File CN-325-419 Page 1

Analyst/Date: M.O'Neill 9-28-95
Author/Date: M. O'Neill 9-28-95
Reviewer/Date: M.W. Thomas 9-28-95

	Lab ID	Client ID	Sample Mass (g)	% Solids	Sample Volume (ml)	Spike Volume (ml) (1)	Final Dist Volume (ml)	Stnd Prep Dilution Factor	Analysis Dil. Factor	ABS	Cyanide in Aliquot (ug/L)	C Flag	Cyanide in Sample (ug/L)	Cyanide in Sample	Units	MMO 9-28-95 (ug/L) Theoretical Value	Dup &/or Rep RPD	%Rec
	Sample Tray: 95092604.RS			CalibrationRef.: 95092601														
	ICV ICV-6 1191 #1				0.1		10	100	1	0.0566	80.667		80.67			90		90%
(3)	CCB							1	1	0.0001	-0.606	U	1.40					
	95-7941-G3 1X	PB	0.1060	100			10	94	1	0.0052	6.7299	B	6.73	0.64	mg/kg			
	95-7941-G5 2000	SB				1.0	10	10	2000	0.0938	134.18		268355.67	2680	ug/ml	300000		89%
(2)	95-7941-G2 10X	Dup	0.099	100			8	81.93	10	0.0808	115.48		1154.78	94.6	mg/kg			
(5)	95-7941-G4 2000	MS	0.098	100		1.0	10	102.46	2000	0.083	118.64		237284.84	24300	mg/kg	300000		79%
(2)	95-7942-G1 10X	Sample	0.101	100			8	77.01	10	0.1048	150		1500.01	116	mg/kg			
(2)	95-7942-G2 10X	Dup	0.101	100			6	62.11	10	0.1352	193.73		1937.30	120	mg/kg		3%	
	95-7943-G1 10X	Sample	0.108	100			10	92.76	10	0.1124	160.93		1609.33	149	mg/kg			
	95-7943-G2 10X	Dup	0.108	100			10	92.42	10	0.1023	146.4		1464.05	135	mg/kg		10%	
	95-7944-G1 10X	Sample	0.108	100			10	92.94	10	0.1467	210.27		2102.73	195	mg/kg			
	95-7944-G2 10X	Dup	0.107	100			10	93.46	10	0.1423	203.94		2039.43	191	mg/kg		2%	
	CCV ICV-6 1191 #2				0.1		10	100	1	0.0569	81.099		81.10			90		90%
(3)	CCB							1	1	-0.0002	-1.038	U	1.40					
	95-7945-G1 100X	Sample	0.119	100			10	84.03	100	0.0619	88.291		8829.08	742	mg/kg			
	95-7945-G2 100X	Dup	0.12	100			10	83.13	100	0.0641	91.455		9145.54	760	mg/kg		2%	
	95-7946-G1 100X	Sample	0.109	100			10	91.91	100	0.1261	180.64		18064.02	1660	mg/kg			
	95-7946-G2 100X	Dup	0.111	100			10	90.50	100	0.1276	182.8		18279.79	1650	mg/kg		1%	
	95-7948-G1 100X	Sample	0.101	100			10	99.21	100	0.081	115.77		11576.55	1150	mg/kg			
(4)	95-7935-G1 50X	Sample			0.086		10	116.28	50	0.0628	89.585		4479.27	521	ug/ml			
(4)	95-7935-G2 50X	Dup			0.087		10	115.61	50	0.0645	92.031		4601.54	532	ug/ml		2%	
(4)	95-7932-G1 50X	Sample			0.078		10	129.03	50	0.0776	110.87		5543.74	715	ug/ml			
(4)	95-7932 G2 50X	Dup			0.069		10	145.56	50	0.0685	97.785		4889.23	712	ug/ml		~~8%~~	
	95-7932-G3 1X	PB			0.0797		10	125.51	1	0.0019	1.983	B	1.98	0.25	ug/ml		0.4% MMO 9-28-95	
	95-7932-G5 2000	SB				1.0	10	10.00	2000	0.0928	132.74		265478.74	2650	ug/ml	300000		88%
	CCV ICV-6 #3				0.1		10	100	1	0.0585	83.4		83.40			90		93%
(3)	CCB								1	0.0001	-0.606	U	1.40					

3 MMO 9-28-95

(1) Spike concentration reported on page 2 of spreadsheet.
(2) Weight for these samples was converted to volume using a density of 1.008g/ml for the 0.25N NaOH soln. See Argentometric Titration for Total Cyanide in solids.
(3) Sample not included in distillation batch.
(4) A density of 1.43 g/ml was used to calculate ug/ml for samples 95-7932 and 95-7935.
(5) For sample 95-7941 the duplicate was used in the matrix spike recovery calculation because the sample was titrated.
* Values used in calculations are not rounded.
All dilutions prepared with 0.25 N NaOH diluant.
See Weight Calculation Sheet for values in Sample Mass and Sample Volume Columns.

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

3-1775

Total Cyanide Analysis Report

Micro distillation PNL-ALO-287
Micro distillation PNL-ALO-285
Total CN Analysis PNL-ALO-289
Project: 21372

ICV/CCV Micro Distilled: 9/25/95 in 419
Sample Micro Distilled: 9/13/95 in SAL
Date Analyzed: 09/26/95
M&TE: WC36517, Lachat QuikChem AE Autoanalyzer
WD04501, Mettler AT400 Balance in 419

Analyst/Date: M. O'Hail 9-28-95
Author/Date: M. O'Hail 9-28-95
Reviewer/Date: [illegible] 9-28-95
MHO 9-28-95

Lab ID	Client ID	Sample Mass (g)	% Solids	Sample Volume (ml)	Spike Volume (ml) (1)	Final Dist Volume (ml)	Stnd Prep Dilution Factor	Analysis Dil. Factor	ABS	Cyanide in Aliquot (ug/L)	C Flag	Cyanide in Sample (ug/L)	Cyanide in Sample	Units	(ug/L) Theoretic Value	Dup &/or Rep RPD	%Rec
Sample Tray: 95092606.RS			**CalibrationRef.: 95092601**														
CCV ICV-6				0.1		10	100.00	1	0.0568	80.891		80.89			90		90%
CCB							1.00	1	0.0002	-0.552	U	1.40					
95-7932-G4 2000	MS			0.0846	1.0	10	118.20	2000	0.0924	132.12		264234.81	31200	ug/ml	3.0E+5		88%
(2) 95-7947 G1 2X	Sample	0.1001	100			10	99.90	2	0.0963	137.73		275.46	27.5	mg/kg			
95-7947-G2 100X	Dup	0.1000	100			10	100.00	100	0.1158	165.79		16578.85	1660	mg/kg		193%	
(2) 95-7948-G2 2X	Dup	0.101	100			10	99.30	2	0.0092	12.398		24.80	2.46	mg/kg			
(2) 95-7948-G2 1X	Dup	0.101	100			10	98.72	1	0.0200	27.939		27.94	2.76	mg/kg			
CCV ICV-6				0.1		10	100.00	1	0.0562	80.028		80.03			90		89%
CCB							1.00	1	0.0003	-0.408	U	1.40					
Unreportable Analysis Information:								**Sample Tray: 95092601.RS**					**CalibrationRef.: 95092601**				
95-7945-G1 100X	Sample	0.119	100			10	84.03	100	0.0621	88.518		8851.77	744	mg/kg			
95-7945-G2 100X	Dup	0.12	100			10	83.13	100	0.0642	91.539		9153.95	761	mg/kg			
95-7946-G1 100X	Sample	0.109	100			10	91.91	100	0.1257	180.03		18003.39	1650	mg/kg			
95-7946-G2 100X	Dup	0.111	100			10	90.50	100	0.1273	182.34		18233.62	1650	mg/kg			
95-7948-G1 100X	Sample	0.101	100			10	99.21	100	0.0814	116.29		11628.91	1150	mg/kg			
95-7948-G2 100X	Dup	0.101	100			10	99.30	100	0.0007	0.1672	U	1.40	0.14	mg/kg			
95-7935-G1 50X	Sample			0.0860		10	116.28	50	0.0631	89.957		4497.83	523	ug/ml			
95-7935-G2 50X	Dup			0.0865		10	115.61	50	0.0649	92.547		4627.34	535	ug/ml			
95-7932-G1 50X	Sample			0.0775		10	129.03	50	0.0779	111.25		5562.64	718	ug/ml			
95-7932 G2 50X	Dup			0.0687		10	145.56	50	0.0696	99.31		4965.49	723	ug/ml			
95-7932-G4 2000	MS			0.0846		10	118.20	2000	0.0976	139.6		279199.72	33000	ug/ml	3.0E+5		93%
95-7932-G5 2000	SB				1.0	10	10.00	2000	0.0951	136		272005.06	2720	ug/ml	3.0E+5		91%
95-7947-G1 2X	Sample	0.1001	100			10	99.90	2	0.0956	136.72		273.44	27.3	mg/kg			
(1) 95-7947-G2 100X	Dup	0.1000	100			10	100.00	100	1.0422	1498.8		149881.67	15000	mg/kg			
(1) 95-7947-G2 2X	Dup	0.1000	100			10	100.00	2	2.9536	4249.2		8498.39	850	mg/kg			
Sample Tray: 95092602.RS			**CalibrationRef.: 95092601**														
95-7948-G2 2X	Dup	0.101	100			10	99.30	2	0.0095	12.83		25.66	2.55	mg/kg			
95-7947-G2 1000	Dup	0.1000	100			10	100.00	1000	0.012	16.427		16427.13	1600	mg/kg			
Sample Tray: 95092605.RS			**CalibrationRef.: 95092601**														
95-7947 G1 2X	Sample	0.1001	100			10	99.90	2	0.0937	133.99		267.98	26.8	mg/kg			
95-7947-G2 100X	Dup	0.1000	100			10	100.00	100	0.1142	163.49		16348.62	1630	mg/kg			
95-7948-G2 2X	Dup	0.101	100			10	99.30	2	0.0097	13.118		26.24	2.61	mg/kg			

(1) High values for these samples were not reproducible, and are probably due to dilution error.
(2) 95-7947G1 and 95-7948G2 had poor recoveries (Only a few drops of distillate was left in the tube), see SAL prep sheets.
See Weight Calculation Sheet for calculation of values in Sample Mass and Sample Volume columns.

3-1776

WHC-SD-WM-DP-165, REV. 1

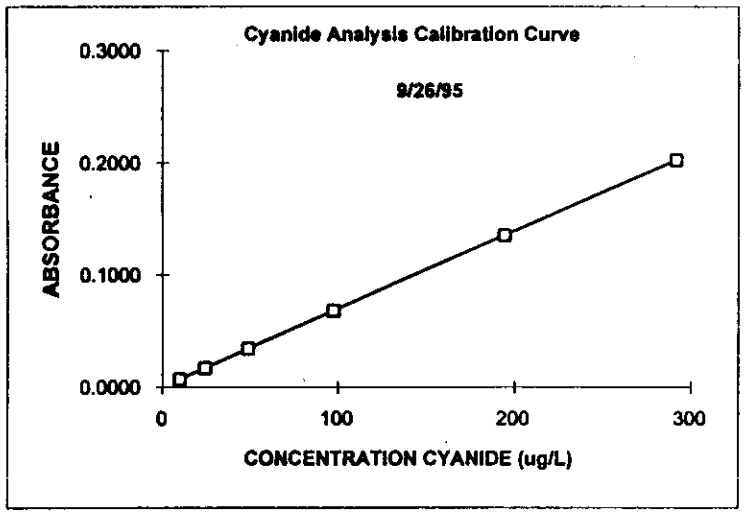
Total Cyanide Analysis Report

Regression Output

Slope (m):	0.000695
Constant (b):	0.000584
R squared:	0.999983
Std Err of Y Est:	0.00029
No. of Observations:	6
Degreesof Freedom:	4

Calibration Data

Volume Intermediat	ABS	Calibration Stds	Calculated Cal Stds
0	-0.0001	0	-1.0
0.1	0.0073	10	10
0.25	0.0173	24	24
0.5	0.0345	49	49
1	0.0679	97	97
2	0.1360	194	195
3	0.2028	291	291



*** Cyanide Stock Standard Titration Results**

Date Titrated	9/14/95
Concentration AgNO3 (N)	0.0192
Avg. Vol. KCN Stock titrated(ml)	5.0
Avg. Vol. 0.0192 N AgNO3 used to titrate KCN (ml)	4.86
Avg. Vol. 0.0192 N AgNO3 used to titrate blank (ml)	0.0
Calculated Stock KCN Conc. (mg/L)	971
Intermediate KCN standard Conc.(mg/L)	9.71

* Three titrations performed to determine Stock KCN Concentration

QA/QC Solutions/Concentrations

Stock ICV-6 (1191) (ug/L)	9000	
Working ICV-6 Standard (ug/L)	9000	
ICV/CCV level (ug/L)	90	(0.10 ml wrkng/10 ml after udist)
Working Spike Standard (mg/L)	3000	
Spike level (ug/L)	300	(1 ml wrkng/10 ml after udist)

Micro Distillation Quantification/Detection Limits

IDL liquid (ug/L)	(1)	1.40	
Reportable IDL liquids (ug/L)	(2)	14.0	(1ml sample/10ml)
Reportable IDL solids (mg/kg)		0.140	(0.1 g sample/ 10 ml)
Reportable MDL liquids (ug/L)	(3)	70.0	
Reportable MDL solids (mg/kg)	(3)	0.70	

(1) Detection limit performed 9/9/94 using micro distillation preparation.
(2) The reportable IDL is calculated by multiplying the IDL by the preparation dilution factor.
(3)The reportable MDL is calculated by multiplying the reportable IDL by 5.

* Origional data kept in lab 419, copy included in this report

Definitions
95-XXXX = Sample
95-XXXXD = Duplicate
95-XXXXMS = Matirx Spike
95-XXXXMSD = Matrix Spike Duplicate
SB = Spiked Preparation Blank
ICV/CCV = Initial/Continuing Calibration Verification Stnd
ICB/CCB = Initial/Continuing Calibration Blank
CRDL = Contact Required Detection Limit
LCSS = Laboratory Control Standard Soil
CKS = Check Standard
PB = Preparation Blank

WHC-SD-WM-DP-245, REV. 1

3-1777

Weight Calculation Sheet

Calc. of Sample Weight Micro Distilled by SAL

ACCORDING TO PNL AMO-285

McMill 9-27-95

	wt of sample	wt Eluor	Sum	wt Dist. of Distilled / sum	wt of sample	wt Distilled (g)
95-7941-G1	.5084	+ 5.1368	= 5.6452	(1.0513g / 5.6452g)	x .5084g	⇒ 0.0947
G2				(1.0950g / 5.6452g)	x .5084g	⇒ 0.0986
G3				(—		
G4				(1.0839g / 5.6452g)	x .5084g	⇒ 0.0976
G5				(—		
95-7942-G1	.5265	+ 5.1424	= 5.6689	(1.0903g / 5.6689)	x .5265g	⇒ 0.1013
G2				(1.0879g / 5.6689)	x .5265g	⇒ 0.1010
95-7943 G1	.5707	+ 5.1575	= 5.7282	(1.0824g / 5.7282g)	x .5707g	⇒ 0.1078
G2				(1.0859g / 5.7282g)	x .5707g	⇒ 0.1082
95-7944 G1	0.5626	+ 5.1379	= 5.7005	(1.0502g / 5.~~1379~~g) 7005 MMO 9-26-95	x .5626g	⇒ ~~0.1194~~ 0.1076 MMO 09-27-95
G2				(1.0841g / 5.~~1379~~g) 7005 MMO 9-26-95	x .5626g	⇒ ~~0.1187~~ 0.1070 MMO 09-27-95
95-7945 G1	0.6436	+ 5.1665	= 5.8101	(1.0744g / 5.~~1665~~g) 8101	x .6436g	⇒ ~~0.1338~~ 0.1190 MMO 09-27-95
95-7945 G2				(1.0857g / 5.~~1665~~g) 8101 MMO 9-26-95	x .6436g	⇒ ~~0.1352~~ 0.1203 MMO 09-27-95
95-7946 G1	0.5894	+ 5.1498	= 5.7392	(1.0599g / 5.~~1498~~g) 7392 9-26-95 MMO	x .5894g	⇒ ~~0.1213~~ 0.1088 MMO 9-27-95
95-7946 G2				(1.0758g / 5.~~1498~~g) 7392 9-26-95 MMO	x .5894g	⇒ ~~0.1231~~ 0.1105 MMO 9-27-95
95-7947 G1	0.5315	+ 5.1608	= 5.6923	(1.0723g / 5.~~1608~~g) 6923 9-26-95 MMO	x .5315g	⇒ ~~0.1104~~ 0.1001 MMO 09-27-95
95-7947 G2				(1.0711g / 5.~~1608~~g) 6923 9-26-95 MMO	x .5315g	⇒ ~~0.1105~~ 0.1000 MMO 9-27-95
95-7948 G1	0.5279	+ 5.1531	= 5.6810	(1.0852g / ~~5.1531~~g) 5.6810 9-26-95 MMO	x .5279g	⇒ ~~0.1117~~ 0.1008 MMO 9-27-95
95-7948 G2				(1.0834g / ~~5.1531~~g) 5.6810 MMO 9-26-95	x .5279g	⇒ ~~0.1110~~ 0.1007 9-27-95

Vol. Distilled (ml) / Density.

95-7932-G1	0.7041	+ 5.1103	= 5.8144	(0.9146g / 5.8144g)	x .7041g	⇒ 0.1108g x ~~1.43~~ 1.43g ml ⇒ 0.0775 MMO 9-27-95
95-7932-G2				(0.8117g / 5.8144g)	x .7041g	⇒ 0.0982 ⇒ 0.0685
95-7932-G4				MMO 9-27-95 ~~(0.8117g~~ 0.9988g / 5.8144g)	x .7041g	⇒ 0.1210 ⇒ 0.0846 MMO 9-27-95
95-7935-G1	0.6944	+ 5.1219	= 5.8163	(1.0298g / ~~5.1219~~g) 5.8163 MMO 9-26-95	x .6944g	⇒ ~~0.1396~~ 0.1229 MMO 9-27-95 ⇒ ~~0.0976~~ 0.0860
95-7935-G2				(1.0366g / ~~5.1219~~g) 5.8163 MMO 9-26-95	x .6944g	⇒ ~~0.1405~~ 0.1238 MMO 9-27-95 ⇒ ~~0.0983~~ 0.0865 MMO 9-27-95

ARGENTOMETRIC TITRATION FOR TOTAL CYANIDE IN SOLIDS

$AgNO_3$ M MMO 10-2-95

	ALO sample #	Client I.D.	Sample wt distilled (g)	Sample volume titrated (ml) [1]	Initial $AgNO_3$ volume (ml) [2]	Final $AgNO_3$ vol. (ml)	CN in sample (mg/kg) [3]	
1		Blank						
2		1000						
3		3000						
4	95-7941-G1	Smpl	0.0192	Entire sample	0.02		0.045	x
5	95-7942-G2	Dup	0.0192(10^{-2})	* 1.0	0.04	* 2.1 overshot	E.P.	x
6	95-7942-G1		0.00384	0.8	0.045	0.305	0.305	x
7	95-7942-G1		0.00192	2.0	0.02		0.20	x
8	95-7942-G1		0.000384	1 ml	0.02		0.94, 0.98	
9	"	MMO 9-27-95	"	2 ml	0.98		2.46	
10	95-7941-~~G1~~(G2)		0.000384	2 ml	2.46		3.53, 3.58	overshot E.P.
11	95-7941-~~G1~~(G2)		"	2 ml	3.58		4.1	
12	95-7942-G2	MMO 9-27-95		2 ml	4.1		4.64, 4.70	
13	95-7942-G2			1 ml	4.70		5.22, 5.26	
14							wt. 6 grams titr.	
15		95-7941-G1	Entire sample titrated		0 left			
16		95-7941 G2	4 ml titrated		~4		4.1426 g	
17		95-7942-G1	5.5 ml titrated		~2.5		2.3631 g	
18		95-7942-G2	4 ml titrated		~4		2.3231 g	
19								
20		Remaining 7941 thru 7948 brought to 10 ml w/ 0.25N NaOH						
21		7932 thru 7935 also brought to 10 ml w/ 0.25N NaOH						
22		NOTE 95-7941-G3, G4 and G5 were brought to 10 ml.						
23		MMO 9-28-95						
24		SEE ATTACHED FOR VOL. CALC. OF 95-7941 G1, G2 and 95-7941 G1, G2						

WORKSHEET NOTES:

[1] Sample volume titrated using AgNO3 is normally 100 ml of the 250 ml of distillate.

[2] AgNO3 concentration is normally 0.0192 N. 1.0 ml of AgNO3 (0.0192N) = 1.0 mg of CN titrated.

[3] CN concentration = [AgNO3 consumed(ml)- blank(ml) • 250 ml/100ml]/ sample wt (g)

ANALYST NOTES:

95-7941-G1:

vol (ml) used to titrate sample: (0.045 - 0.02) ml = 0.025 ml 1.0192N $AgNO_3$ ∴ $\frac{0.025 \text{ mg CN}}{2.1408 \text{ g sample}} \left(\frac{10^3 \text{ g}}{\text{Kg}}\right) = 263.99$ ~~125.63~~ mg/kg

MMO 9-28-95

0.0947

45 - 48 ↑ in CN, ↑ in Fe

Run BS + PB after ICV-6 (± ICV)

39,000 immediate notification.

Procedure: PNL-ALO-270

Analyst / date M. Mull 9-27-95

VOL DELIVERED TO 419 BY SAL

sample	vol. titrated	wt left after titration	vol - assuming 1.0089 g/ml Density	Total Vol from SAL.
95-7941-G1	Entire sample titrated. Overshot endpoint after addition of 1 drop of 0.0192N $AgNO_3$. Value on preceding page will be reported as a less than value.			
95-7941-G2	4.0 ml	4.1426 g	4.11 ml	8.11 ml => 8 ml
95-7942-G1	5.5 ml	2.3631 g	2.34 ml	7.84 ml => 8 ml
95-7942-G2	4.0 ml	2.3231 g	2.30 ml	6.30 ml => 6 ml

Above density calc. was placed in spreadsheet. A rounded value appears in spreadsheet and is indicated next to total vol. from SAL. M. O'Neill 9-28-95.

M. O'Neil 9-27-95

==========

QuikChem AE Runtime Report for Tray 95092601.RS
Method: pyridine-barbituric

This tray was started on 09/26/95 at 11:12 am.
This report was prepared on 09/26/95 at 11:13 am.

Operator: mmo Tray Template: 95092601
Calibration now in effect is Ref: 95092601, 09/26/95, 11:08 am

BY108 samples micro distilled by SAL ICV-6 micro distilled 9/25/95 in lab 41
Dilution check.

==========

-- Page 1 of report for tray 95092601.RS ----------

Cup 101, Sample: 95-7945-G1 100X
Ch. 2: #2 ; 91.349 ppb PIF=1.00 Abs= 0.0621

Cup 102, Sample: 95-7945-G2 100X
Ch. 2: #2 ; 94.421 ppb PIF=0.98 Abs= 0.0642

Cup 103, Sample: 95-7946-G1 100X
Ch. 2: #2 ; 185.322 ppb PIF=0.99 Abs= 0.1257

Cup 104, Sample: 95-7946-G2 100X
Ch. 2: #2 ; 167.824 ppb PIF=0.99 Abs= 0.1273

Cup 105, Sample: 95-7948-G1 100X
Ch. 2: #2 ; 119.863 ppb PIF=1.00 Abs= 0.0814

Cup 106, Sample: 95-7948-G2 100X
Ch. 2: #2 ; 0.405 ppb PIF=0.89 Abs= 0.0007
** Above conc. is significantly less than the lowest non-zero std's conc.
** If sample was diluted, concentration after dilution is shown.

Cup 107, Sample: 95-7935-G1 50X
Ch. 2: #2 ; 92.781 ppb PIF=1.00 Abs= 0.0631

Cup 108, Sample: 95-7935-G2 50X
Ch. 2: #2 ; 95.413 ppb PIF=1.00 Abs= 0.0649

Cup 109, Sample: 95-7932-G1 50X
Ch. 2: #2 ; 114.618 ppb PIF=1.00 Abs= 0.0779

Cup 110, Sample: 95-7932 G2 50X
Ch. 2: #2 ; 102.391 ppb PIF=0.99 Abs= 0.0696

-- Report for tray 95092601.RS continued on next page . . .

```
-- Page  2 of report for tray 95092601.RS ---------------------------------

Cup 111, Sample: 95-7932-G4 2000X
 Ch. 2: #2                        ;   143.813 ppb          PIF=1.00 Abs= 0.0976

Cup 112, Sample: 95-7932-G5 2000X
 Ch. 2: #2                        ;   140.185 ppb          PIF=1.00 Abs= 0.0951

Cup 113, Sample: 95-7947-G1 2X
 Ch. 2: #2                        ;   140.855 ppb          PIF=1.00 Abs= 0.0956

Cup 114, Sample: 95-7947-G2 100X
 Ch. 2: #2                        ;  1541.298 ppb          PIF=0.98 Abs= 1.0422
 ** Above conc. is significantly greater than the high std's concentration.


Cup 115, Sample: 95-7947-G2 2X
 Ch. 2: #2                        ;  4368.891 ppb          PIF=0.82 Abs= 2.9536
 ** Above conc. is significantly greater than the high std's concentration.


    --------- End of Report for Tray 95092601.RS -----------
```

m. Mill 9-27-95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==========================================================================
QuikChem AE Runtime Report for Tray 95092602.RS
Method: pyridine-barbituric

    This tray was started on 09/26/95 at 11:45 am.
    This report was prepared on 09/26/95 at 11:45 am.

    Operator: mmo                                  Tray Template: 95092603
    Calibration now in effect is Ref: 95092601, 09/26/95, 11:08 am

BY108 samples micro distilled by SAL    ICV-6 micro distilled 9/25/95 in lab 41'
Dilution check of 95-7948-G2 and 95-7947-G1 1000X

==========================================================================

-- Page  1 of report for tray 95092602.RS ---------------------------------

Cup 101, Sample: 95-7948-G2 2X
 Ch. 2: #2                        ;     13.564 ppb          PIF=1.00 Abs= 0.0095

Cup 102, Sample: 95-7947-G2 1000X
 Ch. 2: #2                        ;     17.192 ppb          PIF=0.97 Abs= 0.0120

   --------- End of Report for Tray 95092602.RS -----------
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..
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QuikChem AE Runtime Report for Tray 95092603.RS
Method: pyridine-barbituric

This tray was started on 09/26/95 at 11:54 am.
This report was prepared on 09/26/95 at 11:54 am.

Operator: mmo Tray Template: 95092604
Calibration now in effect is Ref: 95092601, 09/26/95, 11:08 am

BY108 samples micro distilled by SAL ICV-6 micro distilled 9/25/95 in lab 41
Dilution check of 95-7947G2 100X 9used tto make th 1000X.

==========

-- Page 1 of report for tray 95092603.RS ----------

Cup 101, Sample: 95-7947-G2 100X
Ch. 2: #2 ; 176.296 ppb PIF=1.00 Abs= 0.1195

--------- End of Report for Tray 95092603.RS ----------

QuikChem AE Runtime Report for Tray 95092604.RS
Method: pyridine-barbituric

This tray was started on 09/26/95 at 12:34 pm.
This report was prepared on 09/26/95 at 12:35 pm.

Operator: mmo Tray Template: 95092602
Calibration now in effect is Ref: 95092601, 09/26/95, 11:08 am

BY108 samples micro distilled by SAL ICV-6 micro distilled 9/25/95 in lab 419

-- Page 1 of report for tray 95092604.RS ----------

Cup 101, Sample: ICV ICV-6 1191 #1
Ch. 2: #2 ; 83.243 ppb PIF=1.00 Abs= 0.0566

Cup 102, Sample: ICB
Ch. 2: #2 ; -0.361 ppb PIF=0.00 Abs= 0.0001
** Above conc. is significantly less than the lowest non-zero std's conc.
** If sample was diluted, concentration after dilution is shown.

Cup 103, Sample: 95-7941-G3 1X
Ch. 2: #2 ; 7.162 ppb PIF=0.96 Abs= 0.0052
** Above conc. is significantly less than the lowest non-zero std's conc.
** If sample was diluted, concentration after dilution is shown.

Cup 104, Sample: 95-7941-G5 2000X
Ch. 2: #2 ; 138.254 ppb PIF=0.99 Abs= 0.0938

Cup 105, Sample: 95-7941-G2 10X
Ch. 2: #2 ; 118.914 ppb PIF=0.99 Abs= 0.0808

Cup 106, Sample: 95-7941-G4 2000X
Ch. 2: #2 ; 122.192 ppb PIF=0.99 Abs= 0.0830

Cup 107, Sample: 95-7942-G1 10X
Ch. 2: #2 ; 154.547 ppb PIF=0.99 Abs= 0.1048

Cup 108, Sample: 95-7942-G2 10X
Ch. 2: #2 ; 199.513 ppb PIF=0.99 Abs= 0.1352

Cup 109, Sample: 95-7943-G1 10X
Ch. 2: #2 ; 165.776 ppb PIF=0.99 Abs= 0.1124

-- Report for tray 95092604.RS continued on next page . . .

```
Cup 110, Sample: 95-7943-G2 10X
 Ch. 2: #2                        ;   150.793 ppb        PIF=0.99 Abs= 0.1023

Cup 111, Sample: 95-7944-G1 10X
 Ch. 2: #2                        ;   216.441 ppb        PIF=0.99 Abs= 0.1467

Cup 112, Sample: 95-7944-G2 10X
 Ch. 2: #2                        ;   209.895 ppb        PIF=0.99 Abs= 0.1423

Cup 113, Sample: CCV ICV-6 1191 #2
 Ch. 2: #2                        ;    83.664 ppb        PIF=1.00 Abs= 0.0569

Cup 114, Sample: CCB
 Ch. 2: #2                        ;    -0.811 ppb        PIF=0.88 Abs=-0.0002
 ** Above conc. is significantly less than the lowest non-zero std's conc.
 ** If sample was diluted, concentration after dilution is shown.


Cup 115, Sample: 95-7945-G1 100X
 Ch. 2: #2                        ;    90.983 ppb        PIF=1.00 Abs= 0.0619

Cup 116, Sample: 95-7945-G2 100X
 Ch. 2: #2                        ;    94.272 ppb        PIF=0.99 Abs= 0.0641

Cup 117, Sample: 95-7946-G1 100X
 Ch. 2: #2                        ;   185.919 ppb        PIF=0.99 Abs= 0.1261

Cup 118, Sample: 95-7946-G2 100X
 Ch. 2: #2                        ;   188.173 ppb        PIF=0.99 Abs= 0.1276

Cup 119, Sample: 95-7948-G1 100X
 Ch. 2: #2                        ;   119.304 ppb        PIF=0.99 Abs= 0.0810

Cup 120, Sample: 95-7935-G1 50X
 Ch. 2: #2                        ;    92.391 ppb        PIF=0.99 Abs= 0.0628

Cup 121, Sample: 95-7935-G2 50X
 Ch. 2: #2                        ;    94.852 ppb        PIF=1.00 Abs= 0.0645

Cup 122, Sample: 95-7932-G1 50X
 Ch. 2: #2                        ;   114.210 ppb        PIF=0.99 Abs= 0.0776

Cup 123, Sample: 95-7932 G2 50X
 Ch. 2: #2                        ;   100.796 ppb        PIF=0.99 Abs= 0.0685

Cup 124, Sample: 95-7932-G3 1X
 Ch. 2: #2                        ;     2.185 ppb        PIF=0.98 Abs= 0.0019
 ** Above conc. is significantly less than the lowest non-zero std's conc.
 ** If sample was diluted, concentration after dilution is shown.
```

-- Report for tray 95092604.RS continued on next page . . .

```
-- Page  3 of report for tray 95092604.RS ----------------------------------

Cup 125, Sample: 95-7932-G5 2000X
 Ch. 2: #2                          ;    136.776 ppb          PIF=0.99 Abs= 0.0928

Cup 126, Sample: CCV ICV-6 #3
 Ch. 2: #2                          ;     85.938 ppb          PIF=1.00 Abs= 0.0585

Cup 127, Sample: CCB
 Ch. 2: #2                          ;     -0.412 ppb          PIF=0.00 Abs= 0.0001
 ** Above conc. is significantly less than the lowest non-zero std's conc.
 ** If sample was diluted, concentration after dilution is shown.


   --------- End of Report for Tray 95092604.RS -----------
```

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QuikChem AE Runtime Report for Tray 95092605.RS
Method: pyridine-barbituric

This tray was started on 09/26/95 at 01:23 pm.
This report was prepared on 09/26/95 at 01:24 pm.

Operator: mmo Tray Template: 95092605
Calibration now in effect is Ref: 95092601, 09/26/95, 11:08 am

BY108 samples micro distilled by SAL ICV-6 micro distilled 9/25/95 in lab 419
Dilution check of 95-7948-G2 and 95-7947-G1 and G2.

==========

-- Page 1 of report for tray 95092605.RS ----------

Cup 101, Sample: 95-7947 G1 2X
Ch. 2: #2 ; 138.000 ppb PIF=0.98 Abs= 0.0937

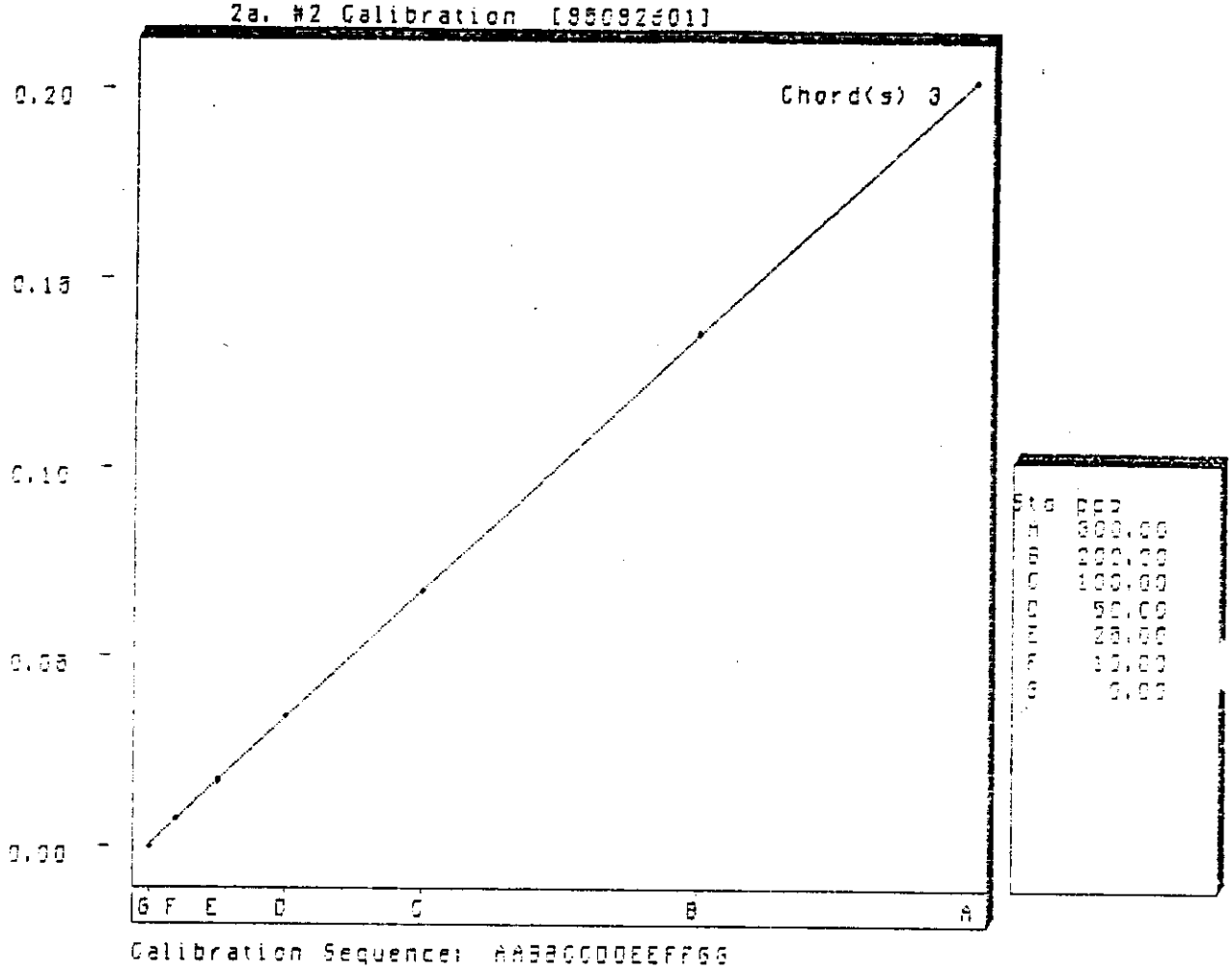
Cup 102, Sample: 95-7947-G2 100X
Ch. 2: #2 ; 168.322 ppb PIF=0.98 Abs= 0.1142

Cup 103, Sample: 95-7948-G2 2X
Ch. 2: #2 ; 13.791 ppb PIF=0.99 Abs= 0.0097

--------- End of Report for Tray 95092605.RS ----------

M. O'Neill
4 of 4

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



Chord 3 Correlation Coefficient 1.0000
Percent Standard Deviation in Slope: 0.1

mm O'Neill 9/26/95

BEST AVAILABLE COPY

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard D,	#2	ppb	50.000	50.424	-0.85	0.0345

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard D	#2	ppb	50.000	50.658	-1.32	[0.0345

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard D	#2	ppb	50.000	50.189	-0.38	[0.0344

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard E,	#2	ppb	25.000	24.995	0.02	0.0173

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard E	#2	ppb	25.000	24.856	0.58	[0.0175

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard E	#2	ppb	25.000	25.135	-0.54	[0.0171

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard F,	#2	ppb	10.000	10.264	-2.64	0.0073

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard F	#2	ppb	10.000	10.410	-4.10	[0.0073

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard F	#2	ppb	10.000	10.118	-1.18	[0.0075

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard G,	#2	ppb	0.000	-0.754	***.**	-0.0001

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard G	#2	ppb	0.000	-0.774	***.**	[0.0000

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard G	#2	ppb	0.000	-0.734	***.**	[*.****

This calibration may have been modified since it was first run'
If there is any question about this, see the calibration graph displayed
in "Calib Graphs and Stats" menu selection, Results/Approval.

---------- End of Calibration Report ----------

QuikChem AE Calibration Report for Calibration 95092601
Method: pyridine-barbituric
This calibration was first done or last modified on 09/26/95 at 11:08 am
This report prepared on 09/26/95 at 02:34 pm

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard A,	#2	ppb	300.000	299.511	0.16	0.2028

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard A	#2	ppb	300.000	299.713	0.10	[0.2047

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard A	#2	ppb	300.000	299.310	0.23	[0.2050

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard B,	#2	ppb	200.000	200.669	-0.33	0.1360

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard B	#2	ppb	200.000	200.813	-0.41	[0.1372

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard B	#2	ppb	200.000	200.526	-0.26	[0.1371

	Analyte	Units	---- Average Concentrations --- Known	Determined	% Residual	Baseline Corrected Average Absorbance
Standard C,	#2	ppb	100.000	99.891	0.11	0.0679

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard C	#2	ppb	100.000	100.123	-0.12	[0.0685

	Analyte	Units	-- Individual Concentrations -- Known	Determined	% Residual	[Replicate]
I Standard C	#2	ppb	100.000	99.660	0.34	[0.0681

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

DATE TO QC: 09/19/95

DATA QUALITY REVIEW

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

Analyte - Cyanide Microdistillation

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers -

95-07932-G1	95-07932-G2	95-07932-G3
95-07932-G4	95-07932-G5	
95-07935-G1	95-07935-G2	
95-07941-G1	95-07941-G2	95-07941-G3
95-07941-G4	95-07941-G5	
95-07942-G1	95-07942-G2	
95-07943-G1	95-07943-G2	
95-07944-G1	95-07944-G2	
95-07945-G1	95-07945-G2	
95-07946-G1	95-07946-G2	
95-07947-G1	95-07947-G2	
95-07948-G1	95-07948-G2	

Julia Brecht
PNL ACL Quality Representative

9/20/95
Date

3-1792

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

Shielded Analytical Laboratory
CYANIDE

Tank BY-108 Core(s) 99

Project Id: 21372 WP Number: K28868

Test Instruction: TI95-TWC-03 Procedure: PNL-ALO-285

Sample Ident.	ELIXER + SAMPLE Weight Distilled + Delivered (g)	Volume Delivered (ml)
95-07932-G1 SEG 2 DL	0.9146	~8 ml
95-07932-G2 SEG 2 DL DUP	0.8117	~8 ml
95-07932-G3 METHODS BLANK		~8 ml
95-07932-G4 MATRIX SPIKE	0.9988 +	1.0025 ml spike. ~8 ml
95-07932-G5 SPIKE CONTROL		1.0035 ml spike. ~8 ml
95-07935-G1 SEG 3 DL	1.0298	~8 ml
95-07935-G2 SEG 3 DL DUP	1.0366	~8 ml

Spike Id: 53428 CN STANDARD

Pre-Treatment

95-7932		95-7935	
13.9186	19.0289	14.5706	19.6925
13.2145	13.9186	13.8762	14.5706
0.7041 g. + 5.1103 g. Elix.		0.6944 + 5.1219	

M&TE:

✓ Mettler AE160 (360-06-01-016) ___ Mettler AE200 (362-06-01-038)

___ Sartorius R200D (360-06-01-024)

Analyst: [signature] Date: 9/12/95 Reviewer: [signature] Date: 9/13/95

3-1793

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

Shielded Analytical Laboratory
Bench Sheet

Client: KURT SILVERS WP Number: K28868

TI#/ARF: TI95-TWC-03 ASR 2388 Procedure: PNL-ALO-285

95-07932 SEG 2 DL; 95-07935 SEG 3 DL CYANIDE
SAMPLE IDENTIFICATION

MICRODISTILLATION ALIQUOTS (SAMPLE + FIXER)

95-07932-G1	95-07932-G2	95-07932-G4
14.1629	14.0607	14.2754
13.2483	13.2490	13.2766
0.9146	0.8117	0.9988

95-07935-G1	95-07935-G2	(SPIKE) 1 ml pipet calibration DIW @ 26°C	
14.2828	14.2918		
13.2530	13.2552	1.0011 g	$\bar{X}$ = 0.9993 g
1.0298	1.0366	0.9985 g	S = 0.0012
		0.9986 g	RSD = 0.12 %
		1.0000 g	n = 5
		0.9985 g	DCUY = 1.0025 ml

M&TE:

X Mettler AE160 (360-06-01-016) Mettler AE200 (362-06-01-038) ___

___ Sartorius R200D (360-06-01-024) Corning pH Meter Model 240 S/N 6629 ___

Analyst: [signature] Date: 9/13/95 Reviewer: [signature] Date: 9/13/95

3-1794

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
325 Shielded Analytical Laboratory

SAMPLE PREP SHEET
(325 SHIELDED ANALYTICAL LABORATORY)

TI/ARF NO.: TI95-TWC-03/ASR 2388 PROJECT NO.: 21732 WBS NO.: _____ SAMPLE TYPE: DRAINABLE LIQUID

ISSUED BY: RT STEELE DATE: 8/31/95 PREP TYPE: MICRODISTRILLATION

ANALYST: [signature] DATE: 9/13/95 CONTROLLING PROCEDURE: PNL-ALO-110

REVIEW: [signature] DATE: 9/13/95 QA PLAN: MCS-033 IMPACT LEVEL: II

CLIENT: KURT SILVERS CORE ID: 99 TANK ID: BY-108

WORK PACKAGE NUMBER	ALO NUMBER	PROCEDURE	ANALYTE OR ANALYSIS	SAMPLE WT	WATER WT (g)	TOTAL VOL (mL)	SPIKE ID	SPIKE VOL (mL)	DILUTION FACTOR	DILUTION MATRIX	PIPET CALIB (mL)	MISC
K28868	95-07932-G1	PNL-ALO-285	CN									SAMP
	95-07932-G2											DUP
	95-07932-G3											BLANK
	95-07932-G4											MS
	95-07932-G5											SPK BLK
	95-07935-G1											SAMP
	95-07935-G2											DUP

PAGE 1 OF 1

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

3-1795

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

95-7948-62
14.3369
13.2535
1.0834

Shielded Analytical Laboratory Bench Sheet

Client: KURT SILVERS WP Number: K28868

TI#/ARF: TI95-TWC-03 ASR 2388 Procedure: PNL-ALO-285

95-07941 THROUGH 95-07948 SLUDGE CYANIDE
SAMPLE IDENTIFICATION

Aliquots for Distillation

95-7941-61	95-7941-62	95-7941-64	95-7942-61
14.2980	14.3395	14.3240	14.3445
13.2467	13.2445	13.2401	13.2542
1.0513	1.0950	1.0839	1.0903

95-7942-62	95-7943-61	95-7943-62	95-7944-61
14.3454	14.3304	14.3357	14.3426
13.2575	13.2480	13.2498	13.2524
1.0879	1.0824	1.0859	1.0902

95-7944-62	95-7945-61	95-7945-62	95-7946-61
14.3439	14.3250	14.3213	14.3167
13.2598	13.2509	13.2356	13.2568
1.0841	1.0741	1.0857	1.0599

95-7946-62	95-7947-61	95-7947-62	95-7948-61
14.3108	14.3359	14.3272	14.3434
13.2350	13.2636	13.2561	13.2582
1.0758	1.0723	1.0711	1.0852

M&TE:

X Mettler AE160 (360-06-01-016) Mettler AE200 (362-06-01-038) ___

___ Sartorius R200D (360-06-01-024) Corning pH Meter Model 240 S/N 6629 ___

Analyst: [signature] Date: 9/13/95 Reviewer: [signature] Date: 9/13/95

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

Shielded Analytical Laboratory
Bench Sheet

Client: KURT SILVERS WP Number: K28868

TI#/ARF: TI95-TWC-03 ASR 2388 Procedure: PNL-ALO-285

95-07941 THROUGH 95-07948 SLUDGE CYANIDE
SAMPLE IDENTIFICATION

Pretreatment

95-07941 95-07942 95-07943

14.5197 19.6565 14.6040 19.7464 14.5542 19.7117

14.0113 14.5197 14.0775 14.6040 13.9835 14.5542

0.5084 + 5.1368 0.5265 + 5.1424 0.5707 + 5.1575
sample elixer sample elixer sample elixer

95-07944 95-07945 95-07946

14.5608 7 LTS 9-13-95 19.6986 14.5776 19.7441 14.5894 19.7392

13.9981 14.5607 13.9340 14.5776 14.0000 14.5894

0.5628 6 + 5.1379 0.6436 + 5.1665 0.5894 + 5.1498
LTS 9-13-95 sample elixer sample elixer sample elixer

95-07947 95-07948

14.5469 19.7077 14.4949 19.6480

14.0154 14.5469 13.9670 14.4949

0.5315 + 5.1608 0.5279 + 5.1531
sample elixer sample elixer

M&TE:

X Mettler AE160 (360-06-01-016) Mettler AE200 (362-06-01-038) ___

___ Sartorius R200D (360-06-01-024) Corning pH Meter Model 240 S/N 6629 ___

Analyst: [signature] Date: 9/13/95 Reviewer: [signature] Date: 9/13/95

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

Shielded Analytical Laboratory

CYANIDE

Tank BY-108 Core(s) 99

Project Id: 21372 WP Number: K28868

Test Instruction: TI95-TWC-03 Procedure: PNL-ALO-285

Sample Ident.	Eluxer + SAMPLE Weight DISTILLED AND Delivered (g)	Volume Delivered (ml)
95-07941-G1 SEG 1	1.0513	~8 ml
95-07941-G2 SEG 1 DUP	1.0950	
95-07941-G3 BLANK	—	
95-07941-G4 MATRIX SPK	1.0839	1.0131 ml spike
95-07941-G5 SPIKE BLK	—	1.0131 ml spike
95-07942-G1 QTR SEG 2A	1.0903	
95-07942-G2 QTR SEG 2A DUP	1.0879	
95-07943-G1 QTR SEG 2D	1.0824	
95-07943-G2 QTR SEG 2D DUP	1.0859	
95-07944-G1 QTR SEG 3A	1.0902	
95-07944-G2 QTR SEG 3A DUP	1.0841	

Spike Id: 53428 CN STANDARD

1 ml Pipet cal. DIW @ 26°C Temp = 130°C

1.0070 $\bar{x}$ = 1.0098 g.
1.0130
1.0094 S = .0021
1.0098
1.0096 RSD = .21%

Del = 1.0131 ml.

M&TE:

✓ Mettler AE160 (360-06-01-016) ___ Mettler AE200 (362-06-01-038)

___ Sartorius R200D (360-06-01-024)

Analyst: [signature] Date: 9/13/95 Reviewer: [signature] Date: 9/13/95

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

Shielded Analytical Laboratory
CYANIDE

Tank BY-108 Core(s) 99

Project Id: 21372 WP Number: K28868

Test Instruction: TI95-TWC-03 Procedure: PNL-ALO-285

Sample Ident.	Weight Delivered (g)	Volume Delivered (ml)
95-07945-G1 QTR SEG 4A	1.0741	~ 8 ml.
95-07945-G2 QTR SEG 4A DUP	1.0857	
95-07946-G1 QTR SEG 4B	1.0599	
95-07946-G2 QTR SEG 4B DUP	1.0758	
95-07947-G1 QTR SEG 4C	1.0723	
95-07947-G2 QTR SEG 4C DUP	1.0711	
95-07948-G1 QTR SEG 4D	1.0852	
95-07948-G2 QTR SEG 4D DUP	1.0834	

Spike Id: _____

95-7947-G1: } Only a few drops of distillate was
95-7948-G2: } in the tube when broken apart. Went
} ahead & rinsed out & delivered.

M&TE:

✓ Mettler AE160 (360-06-01-016) ___ Mettler AE200 (362-06-01-038)

___ Sartorius R200D (360-06-01-024)

Analyst: [signature] Date: 9/13/95 Reviewer: [signature] Date: 9/13/95

3-1799

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
325 Shielded Analytical Laboratory

SAMPLE PREP SHEET
(325 SHIELDED ANALYTICAL LABORATORY)

TI/ARF NO.: TI95-TWC-03/ASR 2388 PROJECT NO.: 21732 WBS NO.: _____ SAMPLE TYPE: SLUDGE

ISSUED BY: RT STEELE DATE: 8/31/95 PREP TYPE: MICRODISTRILLATION

ANALYST: [signature] DATE: 9/13/95 CONTROLLING PROCEDURE: PNL-ALO-110

REVIEW: [signature] DATE: 9/13/95 QA PLAN: MCS-033 IMPACT LEVEL: II

CLIENT: KURT SILVERS CORE ID: 99 TANK ID: BY-108

WORK PACKAGE NUMBER	ALO NUMBER	PROCEDURE	ANALYTE OR ANALYSIS	SAMPLE WT	WATER WT (g)	TOTAL VOL (mL)	SPIKE ID	SPIKE VOL (mL)	DILUTION FACTOR	DILUTION MATRIX	PIPET CALIB (mL)	MISC
	95-07947-G1		CN									SAMP
	95-07947-G2											DUP
	95-07948-G1											SAMP
	95-07948-G2											DUP

PAGE 2 OF 2

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

3-1800

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
325 Shielded Analytical Laboratory

SAMPLE PREP SHEET
(325 SHIELDED ANALYTICAL LABORATORY)

TI/ARF NO.: TI95-TWC-03/ASR 2388 PROJECT NO.: 21732 WBS NO.: _____ SAMPLE TYPE: SLUDGE

ISSUED BY: RT STEELE DATE: 8/31/95 PREP TYPE: MICRODISTILLATION

ANALYST: [signature] DATE: 9/13/95 CONTROLLING PROCEDURE: PNL-ALO-110

REVIEW: [signature] DATE: 9/13/95 QA PLAN: MCS-033 IMPACT LEVEL: II

CLIENT: KURT SILVERS CORE ID: 99 TANK ID: BY-108

WORK PACKAGE NUMBER	ALO NUMBER	PROCEDURE	ANALYTE OR ANALYSIS	SAMPLE WT	WATER WT (g)	TOTAL VOL (mL)	SPIKE ID	SPIKE VOL (mL)	DILUTION FACTOR	DILUTION MATRIX	PIPET CALIB (mL)	MISC
K28868	95-07941-G1	PNL-ALO-285	CN									SAMP
	95-07941-G2											DUP
	95-07941-G3											BLANK
	95-07941-G4											MS
	95-07941-G5											SPK CONT
	95-07942-G1											SAMP
	95-07942-G2											DUP
	95-07943-G1											SAMP
	95-07943-G2											DUP
	95-07944-G1											SAMP
	95-07944-G2											DUP
	95-07945-G1											SAMP
	95-07945-G2											DUP
	95-07946-G1											SAMP
	95-07946-G2											DUP

PAGE 1 OF 2

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

3-1801

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

C5 - TOC/TIC/TC ANALYSIS

3-1802

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

SEGMENT & QUARTER SEGMENT TOC/TIC/TC ANALYSIS

3-1803

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

DATE TO QC: 09/25/95

DATA QUALITY REVIEW

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

Analyte - TOC/TIC/TC Analysis

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers -

95-07941-J1	95-07941-J2	95-07941-J4
95-07942-J1	95-07942-J2	95-07943-J1
95-07943-J2	95-07944-J1	95-07944-J2
95-07945-J1	95-07945-J2	95-07945-J4
95-07946-J1	95-07946-J2	95-07947-J1
95-07947-J2	95-07948-J1	95-07948-J2

Julia Brecht
PNL ACL Quality Representative

9/26/95
Date

3-1804

Battelle
Pacific Northwest Laboratories

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

Project Number

Internal Distribution

System File/LB

Date September 22, 1995

To Program Manager

From DL Baldwin

Subject TOC/TIC/TC Analysis (Hot Persulfate Method) of BY-108 Samples

This work was done by the hot persulfate oxidation/coulometry detector method, Test Procedure PNL-ALO-381, rev. 0. The work was performed at Impact Level II. The M&TE No. for the carbon measurements is WC01713, the balance M&TE No. is 360-06-01-016, located in room 201 in 325 Bldg. The data is located on the record data sheets and review report spreadsheets and are on file in the LSO Records Office. The TIC standard was calcium carbonate and the TOC standard was glucose, both used in solid form for system standards as well as sample spikes. The estimated precision is ±10% and the estimated accuracy is ±15%. All results are reported in ugC/g, based on the weight of the sample.

QC Narrative: QC for this work involved system blanks, system standards, duplicates, and matrix spikes, each for both TIC and TOC. The work was performed in two batches on 9/19 and 9/20. System standard recoveries and system blanks all were within required limits, with average standard recoveries ranging from 91% to 96%. The matrix spike recoveries for the first batch, performed on sample segment 1, showed good results, 100% and 94%, for TIC and TOC, respectively. In contrast, the matrix spike recoveries for the second batch, performed on sample segment 4A, showed relatively poor results of 63% and 80%, respectively, for TIC and TOC. One comment recorded on the Data Sheet was that "Seg. 4A was quite dry", different from each of the other segments. The RPD is very small for this sample indicating good homogeneity, but the low spike recovery must indicate a matrix effect, perhaps due to the very high salt content. The ratio of spike-to-sample was good ranging from 50% to 110%, indicating no problem from this source.

The precision is very good for most samples, though there are a few cases of high RPD's. Samples showing greater than 20% RPD (28% to 36%) are Seg. 1 for TOC, Seg. 3A for TIC, TOC, and TC, and Seg. 4C for TOC. Seg. 3A must have some inhomogeneity, but no clear reason is identified for Seg. 1 and Seg. 4C. The method detection limit (MDL) for TIC (based on pooled historical data) is 9 ug, or 30 ugC/g based on the nominal weight used. The MDL for TOC is 16 ug, or 50 ugC/g, based on the nominal weight used.

Table of Results

ALO No.	Sample ID	wt (g)	TIC (ugC/g)	RSD (%)	TOC (ugC/g)	RSD (%)	TC (ugC/g)	RSD (%)
95-007941-J1	Core 99 Seg 1	0.1298	1150		1290		2440	
95-007941-J2	Core 99 Seg 1	0.2440	1170	2	920	33	2090	15
95-007941-J4	spike	0.2436	100% Recov.		94% Recov.			
95-007942-J1	Core 99 Seg 2A	0.2667	1470		890		2360	
95-007942-J2	Core 99 Seg 2A	0.3709	1590	8	870	2	2460	4
95-007943-J1	Core 99 Seg 2D	0.1941	2340		2490		4830	
95-007943-J2	Core 99 Seg 2D	0.1778	2480	6	2090	17	4570	6
95-007944-J1	Core 99 Seg 3A	0.2658	13100		3540		16700	
95-007944-J2	Core 99 Seg 3A	0.2552	9100	36	2670	28	11700	35
95-007945-J1	Core 99 Seg 4A	0.2721	13600		16500		30100	
95-007945-J2	Core 99 Seg 4A	0.2434	12700	6	17100	3	29800	1
95-007945-J4	spike	0.1751	63% recov.		80% Recov.			
95-007946-J1	Core 99 Seg 4B	0.2054	5090		13900		19000	
95-007946-J2	Core 99 Seg 4B	0.2442	5530	8	13300	5	18800	1
95-007947-J1	Core 99 Seg 4C	0.1795	10500		5600		16100	
95-007947-J2	Core 99 Seg 4C	0.2519	11000	5	4170	29	15200	6
95-007948-J1	Core 99 Seg 4D	0.2111	6050		3140		9190	
95-007948-J2	Core 99 Seg 4D	0.2221	6910	13	3700	16	10600	14

Notes:

(1) TIC and TOC are actually measured on the same sample. The TC is the sum of TIC and TOC.

(2) Percent recovery is determined for TIC and TOC using the respective standards, $CaCO_3$, or glucose, and all sample results are corrected for percent recovery. All results are blank-corrected.

(3) The reported results have been rounded to two or three significant places, so some may slightly disagree with the spreadsheet review report.

Concur by: MW Thu Date: 9-22-95
File TOC-PER.49
System File No. TOC092095

TOC/TIC/TC Calculations **Review** Report - Hot Persulfate Method PNL-ALO-381
Samples: BY-108 Core 99, Direct Salt Sludge Batch 2 Analyzed 9/20/95

Preparer/date: 9-21-95
Reviewer/date: 9/22/95

Instrument: WC01713 in SAL Hot Cell / Fume Hood
TIC STD: CaCO3 (lot N261)
Project No.: ASR 2388 TI95-TWC-03 WPF: K28869 IL II

Bal M&TE: 360-06-01-016
TOC STD: Glucose (lot Kodak B1F)

Procedure: PNL-ALO-381
Archive File: 201PER10.XLS

Standard Calculations

Blank Averages:

TIC Blk:		TOC Blk:	
18	Average: 15.7	79	Average: 77.7
16	SD: 2.5	74	SD: 3.2
13	Pooled SD: 3.0	80	Pooled SD: 5.3
	MDL: 9.0		MDL: 16.0

	measured TIC (ug)	Blk (ug)	Standard wt (g)	TIC % Recov	measured TOC (ug)	blk (ug)	Standard wt (g)	TOC % Recov
STD 1	955	15.7	0.0082	95.5	1052	77.7	0.0028	87.0
STD 2	1098	15.7	0.0093	97.1	1320	77.7	0.0035	88.7
STD 3	2358	15.7	0.0208	93.9	1972	77.7	0.0049	96.6
			avg:	95.5			avg:	90.8

Sample Calculations

ACL Number	Client ID	display TIC (ug)	blk (ug)	sample wt (g)	TIC (ugC/g)	TIC RPD (%)	display TOC (ug)	blk (ug)	sample wt (g)	TOC (ugC/g)	TOC RPD (%)	TC (ugC/g)	TC RPD (%)
95--007945-J1	Core 99 Seg 4A	3540	15.7	0.2721	13561		4160	77.7	0.2721	16524		30086	
95--007945-J2	Core 99 Seg 4A	2976	15.7	0.2434	12734	6	3855	77.7	0.2434	17093	3	29827	1
95--007945-J4	Core 99 Seg 4A spike	3050	15.7	0.1751	see below		4560	77.7	0.1751	see below		see below	
95--007946-J1	Core 99 Seg 4B	1015	15.7	0.2054	5094		2670	77.7	0.2054	13901		18995	
95--007946-J2	Core 99 Seg 4B	1305	15.7	0.2442	5528	8	3019	77.7	0.2442	13266	5	18794	1
95--007947-J1	Core 99 Seg 4C	1818	15.7	0.1795	10513		990	77.7	0.1795	5598		16111	
95--007947-J2	Core 99 Seg 4C	2071	15.7	0.2519	11037	5	1032	77.7	0.2519	4173	29	15210	6
95--007948-J1	Core 99 Seg 4D	1235	15.7	0.2111	6048		679	77.7	0.2111	3137		9185	
95--007948-J2	Core 99 Seg 4D	1482	15.7	0.2221	6913	13	823	77.7	0.2221	3696	16	10609	14

Matrix Spike Results

ACL Number	Client ID	MS (ug)	MS blk (ug)	Sa (ug/g)	MS Sa wt (g)	spike (g)	Spike % Recovery
95--007945-J4	Core 99 Seg 4A spike TIC	3050	15.7	1.36E+04	0.1751	0.0106	63.1
95--007945-J4	Core 99 Seg 4A spike TOC	4560	77.7	1.65E+04	0.1751	0.0064	79.8

Equations

% TIC (CaCO3) Recovery = [(S-B)/(Sample wt*e+6*0.1199)]*100
% TOC (Glucose) Recovery = [(S-B)/(Sample wt*e+6*0.400)]*100
TIC (ugC/g sample) = (TIC-Blk)/(Sample wt*Avg TIC Recov/100)
TOC (ugC/g sample) = (TOC-Blk)/(Sample wt*Avg TOC Recov/100)
TIC MS Recov (spike in g) = [(MS(ug)-B)*1e-6/(Avg TIC Recov/100)-S(ug/g)*Sample wt]*100/[spk wt*1e6*0.1199]
TOC MS Recov (spike in g) = [(MS(ug)-B)*1e-6/(Avg TOC Recov/100)-S(ug/g)*Sample wt]*100/[spk wt*1e6*0.400]
Due to the precision carried in the spreadsheet, some calculations may appear to be slightly off due to rounding errors.
The Pooled SD is the averaged SD for a recent list of 12 sample batches. MDL is based upon the Pooled SD. MDL = 3 x pooled SD.

Carbon Fraction in TIC (CaCO3) Standard = 0.1199
Carbon Fraction in TOC (Glucose) Standard = 0.4000

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

3-1807

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

CARBON (TOC/TIC/TC) DATA SHEET
(325 SHIELDED ANALYTICAL LABORATORY)

CLIENT: KURT SILVERS WORK PACKAGE: K28869 ASR/ARF/LOI/TI: ASR 2388 TI95-TWC-03

QA PLAN: MCS-033 IMPACT LEVEL: II

By-108 Core 99
SAMPLE IDENTIFICATION

ACL NUMBER	SAMPLE IDENTIFICATION	SAMPLE SIZE	TIC (ugC)	TOC (ugC)	TC (ugC)	OBSERVATIONS/COMMENTS
	BLK 1		18	79		
	BLK 2		16	74		
Glucose # B1F CaCO3 # N261	STD 1	8.2/2.8 mg.	955	1052		
	STD 2	9.3/3.5	1098	1320		Seg. 4A was quite dry
95-7945-J1	Seg. 4A	0.2721 g.	3540	4160		
95-7945-J2	Seg. 4A	0.2434	2776	3855		
95-7945-J4MS	Seg 4A	0.1751 + 10.6/6.4	3050	4560		
95-7946-J1	Seg 4B	0.2054	1015	2670		

PROCEDURE: PNL-ALO-380 __
PNL-ALO-381 X

INSTRUMENT NUMBER: WC01713

BALANCE: CELL 2 (360-06-01-016) X
CELL 6 (362-06-01-038) __

PIPET PERFORMANCE CHECKS:

Pipet DIW @ °C	Pipet DIW @ °C	Pipet DIW @ °C
g x= g	g x= g	g x= g
g s=	g s=	g s=
g RSD= %	g RSD= %	g RSD= %
g Del Vol= ml	g Del Vol= ml	g Del Vol= ml
g N=5	g N=5	g N=5

Analyst: [signature] Date: 9/20/95 Reviewer: [signature] Date: 9/21/95

3-1808

WHC-SD-WM-DP-165, REV. 1

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

CARBON (TOC/TIC/TC) DATA SHEET CONTINUED

ACL NUMBER	SAMPLE IDENTIFICATION	SAMPLE SIZE g.	TIC (ugC)	TOC (ugC)	TC (ugC)	OBSERVATIONS/COMMENTS
95-7946-J2	seg. 4B	0.2442	1305	3019		
95-7947-J1	seg 4C	0.1795	1818 ~~990~~	990		
95-7947-J2	seg 4C	0.2519	2671	1032		
95-7948-J1	seg 4D	0.2111	1235	679		
95-7948-J2	seg 4D	0.2221	1482	823		
	BLK 3		13	80		
	STd. 3	20.0/4.9 mg.	2358	1972		

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

3-1809

TOC/TIC/TC Calculations **Review** Report - Hot Persulfate Method PNL-ALO-381
Samples: BY-108 Core 99, Direct Salt Sludge Analyzed 9/19/95

Preparer/date: 9-21-95
Reviewer/date: 9-22-95

Instrument: WC01713 In SAL Hot Cell / Fume Hood
TIC STD: CaCO3 (lot N261)
Project No.: ASR 2388 T195-TWC-03 WP#: K28869 IL II

Bal M&TE: 360-06-01-016
TOC STD: Glucose (lot Kodak 81F)

Procedure: PNL-ALO-381
Archive File: 201PER09.XLS

Standard Calculations

Blank Averages:

	TIC Blk:			TOC Blk:		
	19	Average:	18.0	100	Average:	89.7
	15	SD:	2.6	91	SD:	11.1
	20	Pooled SD:	3.0	78	Pooled SD:	5.3
		MDL:	9.0		MDL:	16.0

	measured TIC (ug)	Blk (ug)	Standard wt (g)	TIC % Recov	measured TOC (ug)	blk (ug)	Standard wt (g)	TOC % Recov
STD 1	1338	18.0	0.0114	96.6	1101	89.7	0.0028	90.3
STD 2	995	18.0	0.0090	90.5	1792	89.7	0.0045	94.6
STD 3	1352	18.0	0.0123	90.5	949	89.7	0.0023	93.4
			avg:	92.5			avg:	92.8

Sample Calculations

ACL Number	Client ID	display TIC (ug)	blk (ug)	sample wt (g)	TIC (ugC/g)	TIC RPD (%)	display TOC (ug)	blk (ug)	sample wt (g)	TOC (ugC/g)	TOC RPD (%)	TC (ugC/g)	TC RPD (%)
95--007941-J1	Core 99 Seg 1	156	18.0	0.1298	1149		245	89.7	0.1298	1290		2439	
95--007941-J2	Core 99 Seg 1	282	* 18.0	0.2440	1169	2	298	89.7	0.2440	920	33	2090	15
95--007941-J4	Core 99 Seg 1 spike	1952	18.0	0.2436	see below		3320	89.7	0.2436	see below		see below	
95--007942-J1	Core 99 Seg 2A	381	* 18.0	0.2667	1471		309	89.7	0.2667	887		2358	
95--007942-J2	Core 99 Seg 2 A	565	18.0	0.3709	1594	8	388	89.7	0.3709	867	2	2461	4
95--007943-J1	Core 99 Seg 2D	439	18.0	0.1941	2344		538	89.7	0.1941	2490		4834	
95--007943-J2	Core 99 Seg 2D	428	18.0	0.1778	2480	6	435	89.7	0.1778	2094	17	4574	6
95--007944-J1	Core 99 Seg 3A	3248	18.0	0.2658	13134		962	89.7	0.2658	3538		16672	
95--007944-J2	Core 99 Seg 3A	2108	18.0	0.2552	9097	36	721	89.7	0.2552	2667	28	11764	35

* Perpetual cell titration problems, estimated endpoint.

Matrix Spike Results

ACL Number	Client ID	MS (ug)	MS blk (ug)	Sa (ug/g)	MS Sa wt (g)	spike (g)	Spike % Recovery
95--007941-J4	Core 99 Seg 1 spike TIC	1952	18.0	1.15E+03	0.2436	0.0151	100.0
95--007941-J4	Core 99 Seg 1 spike TOC	3320	89.7	1.29E+03	0.2436	0.0084	94.3

Equations

% TIC (CaCO3) Recovery = [(S-B)/(Sample wt*e+6*0.1199)]*100
% TOC (Glucose) Recovery = [(S-B)/(Sample wt*e+6*0.400)]*100
TIC (ugC/g sample) = (TIC-Blk)/(Sample wt*Avg TIC Recov/100)
TOC (ugC/g sample) = (TOC-Blk)/(Sample wt*Avg TOC Recov/100)
TIC MS Recov (spike in g) = [(MS(ug)-B)*1e-6/(Avg TIC Recov/100)-S(ug/g)*Sample wt]*100/[spk wt*1e6*0.1199]
TOC MS Recov (spike in g) = [(MS(ug)-B)*1e-6/(Avg TOC Recov/100)-S(ug/g)*Sample wt]*100/[spk wt*1e6*0.400]

Carbon Fraction in TIC (CaCO3) Standard = 0.1199
Carbon Fraction in TOC (Glucose) Standard = 0.4000

Due to the precision carried in the spreadsheet, some calculations may appear to be slightly off due to rounding errors.
The Pooled SD is the averaged SD for a recent list of 12 sample batches. MDL is based upon the Pooled SD. MDL = 3 x pooled SD.

3-1810

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

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

CARBON (TOC/TIC/TC) DATA SHEET
(325 SHIELDED ANALYTICAL LABORATORY)

CLIENT: KURT SILVERS WORK PACKAGE: K28869 ASR/ARF/LOI/TI: ASR 2388 TI95-TWC-03

QA PLAN: MCS-033 IMPACT LEVEL: II

BY-108 Core 99
SAMPLE IDENTIFICATION

ACL NUMBER	SAMPLE IDENTIFICATION	SAMPLE SIZE	TIC (ugC)	TOC (ugC)	TC (ugC)	OBSERVATIONS/COMMENTS
	BIK 1		19	100		
	BIK 2		15	91		
Glucose # BIF CaCO3 # N261	STd. 1	11.4/2.8 mg.	1338	1101		
	STd. 2	9.0/4.5	995	1792		
95-7941-J1	seg. 1A 0.1298 g. →	0.1298 g.	156	245		
95-7941-J2	seg. 1B 0.2440 g. →	0.2440	282 *	298		* Had to change cell solution
95-7941-J3	seg. 1C 0.2436 g.	0.2436 15.1/8.4	1952	3320		
95-7942 J1	seg. 2A	0.2667	381 *	309		*changed Purifying Columns Also.

PROCEDURE: PNL-ALO-380 ___
PNL-ALO-381 X

INSTRUMENT NUMBER: WC01713

BALANCE: CELL 2 (360-06-01-016) X
CELL 6 (362-06-01-038) ___

PIPET PERFORMANCE CHECKS:

Pipet DIW @ °C			Pipet DIW @ °C			Pipet DIW @ °C		
g	x=	g	g	x=	g	g	x=	g
g	s=		g	s=		g	s=	
g	RSD=	%	g	RSD=	%	g	RSD=	%
g	Del Vol=	ml	g	Del Vol=	ml	g	Del Vol=	ml
g	N=5		g	N=5		g	N=5	

Analyst: [signature] Date: 9/19/95 Reviewer: [signature] Date: 9/20/95

3-1811

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

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

CARBON (TOC/TIC/TC) DATA SHEET CONTINUED

ACL NUMBER	SAMPLE IDENTIFICATION	SAMPLE SIZE	TIC (ugC)	TOC (ugC)	TC (ugC)	OBSERVATIONS/COMMENTS
95-7942-J2	Seg. 2A	0.3709 g.	565	388		
95-7943-J1	Seg. 2D	0.1941	439	538		
95-7943-J2	Seg. 2D	0.1778	426	435		
95-7944-J1	Seg. 3A	0.2658	3248	962		
95-7944-J2	Seg 3A	0.2552	2166	721		
	BLK 3		20	78		
	STD. 3	12.3/2.3 mg.	1352	949		
						Key to Reagents
						T.T. is Fresh Acid
						Dichromate.

3-1812

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

Run Log: Hot Persulfate TOC/TIC/TC, Method PNL-ALO-381

Run Seq#	ALO Sample Number	Client Sample ID	Client Name	Sample Matrix (solid/liquid)	Date Analyzed
101	95-5024	L.R. Greenwood Y-7		liquid	4/10/95
102	95-5025	Y-8		"	4/10/95
103	95-5026	Y9		"	4/10/95
104	95-05284	PO14 K-Pool		Solids	4/14/95
105	95-05285	PO17 K-Pool		Solids	4/14/95
106	95-05309	1301-95		Solids	4/18/95
107	95-05307	1299-95		Solids	4/18/95
108	95-05308	1300-95		Solids	4/18/95
~~109~~	~~95-0~~				
109	95-5956-5965	~~Charles Cain~~ 55027-6	Charles Cain	Liquid.	6/6/95
110	95-5206, ~~5447~~ 5681	See Chase III	KJ Kuhl-Klinger	Sludge	6/15/95
111	95-6210,11,12,13	~~Cat~~ 1035y 1+2 Before.	Gary Meng	Leach	6/15/95
112	95-6214,15,16	1035y-6800 After	Gary Meng	Leach	6/19/95
113	95-6217,08,09	1035y-6800 After originals	"	Sludge, Liquid	6/20/95
114	95-6212,6208	Re Runs	"	"	6/22/95
115	95-7131,7132	Salt Cake A + B.	Sharma	Liquid	7/18/95
116	95-7932,7935	BY-108 Drainable Liquids	Silvers	Liquid	9/18/95
117	95-7941→7944	BY-108	"	Sludge	9/19/95
118	95-7945→7948	BY-108	"	Sludge	9/20/95

Note to analyst and auditors: It is not required that all fields be filled in nor lined out and initialed and dated.

Run Log: Hot Persulfate TOC/TIC/TC, Method PNL-ALO-381

Run Seq#	ALO Sample Number	Client Sample ID	Client Name	Sample Matrix (solid/liquid)	Date Analyzed
101	95-5024	LR Greenwood Y-87		Liquid	4/10/95
102	95-5025	Y-88		"	4/10/95
103	95-5026	Y9		"	4/10/95
104	95-05284	P014 K-Pool		Solids	4/14/95
105	95-05285	P017 K-Pool		Solids	4/14/95
106	95-05309	1301-95		Solids	4/18/95
107	95-05307	1299-95		Solids	4/18/95
108	95-05308	1300-95		Solids	4/18/95
~~109~~	~~95-0~~				
109	95-5956-5965	~~Charles Call~~ 55027-B	Charles Call	Liquid.	6/6/95
110	95-5206, 5207	SCC Phase III	K.J. Kuhl. Kleyn	Sludge	6/15/95
111	95-6210, 11, 12, 13	1035y 1+2 Before	Gary Meng	Leach	6/19/95
112	95-6214, 15, 16	1035y-6800 After	Gary Meng	Leach	6/19/95
113	95-6217, 08, 09	1035y-6800 After 10 originals	"	Sludge, Liquid	6/20/95
114	95-6217, 6208	Re Runs	"	"	6/27/95
115	95-7131, 7132	Salt Cake A+B	Sharma	Liquid	7/18/95
116	95-7932, 7933	By-108 Drainable Liquids	Silvers	Liquid	9/18/95
117	95-7941 → 7944	By-108	"	Sludge	9/19/95

Note to analyst and auditors: It is not required that all fields be filled in nor lined out and initialed and dated.

118	95-7945 → 7948	By-108	"	Sludge	9/20/95

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

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

DRAINABLE LIQUID TOC/TIC/TC ANALYSIS

3- 1815

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

DATE TO QC: 09/28/95

DATA QUALITY REVIEW

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

Analyte - TC/TIC/TOC - Drainable Liquids

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers - 95-07932-C1 95-07932-C2 95-07932-C3
95-07935-C1 95-07935-C2

PNL ACL Quality Representative

9/28/95
Date

3-1816

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

Battelle
Pacific Northwest Laboratories

Project Number _____

Internal Distribution

System File/LB

Date September 28, 1995

To Project Manager

From DL Baldwin DL Baldwin

Subject TC/TIC/TOC (Solutions by Dohrmann DC-80) Results for BY-108 Drainable Liquids, Rev 1

This work is done by the UV-catalyzed persulfate/NDIR method, Test Procedure PNL-ALO-382, Rev. 0, "Solutions Analysis: Carbon", using the Dohrmann DC-80 Total Organic Carbon Analyzer. The M&TE No. for the carbon measurements is WA64102, M&TE No. for the balance is 362-06-01-046. The data is located in the ALO Records Office System File. TC standard used is potassium acid phthalate, lot# 52809, and the TIC standard is sodium carbonate, lot# 52815.

Narrative: The QC for this work involved a blank, duplicate, spiked blank, spiked sample, and 2nd vendor verification standard. Each was analyzed by a single injection. The precision (RPD) between sample and duplicate is 5% and 4% for 95-07932, and 28% and 11% for 95-07935, respectively for TC and TIC. The 28% RPD is unusually high and may indicate possible inhomogeneity for TC between sample and duplicate for 95-07935. The spiked-water blank recoveries were good at 110% and 98%, respectively, for TC and TIC. The sample spike recoveries, performed on sample 95-07935, were 130% and 69%, respectively for TC and TIC. No clear reason is determined for this wide range of spike recoveries, but they may indicate some matrix effect for sample 95-07935.

Precision and accuracy for this method are estimated at ±10% and ±15%, respectively. Note that the units are ugC/ml, based on the volume of the original sample, using a Prep Dilution Factor.

ES4-1900-001 (10/89)

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

Sample ID		TC (ug/ml)	RPD (%)	TIC (ug/ml)	RPD (%)	TOC (ug/ml)	RPD (%)
95-07932	-C1	9900	5	8500	28	1400	72
	-C2	9500		6400		3100	
	-C3	64		<mdl		<mdl	
95-07935	-C1	9600	4	7200	11	2400	72
	-C2	9200		8100		1100	
	water spike	110% rec.		98% rec.			
	sample spike	130% rec.		69% rec.			

a) Only TC and TIC are actually measured. TOC is found by the subtraction of TIC from TC. Therefore no RPD is reported for TOC.

b) Matrix spike recovery was determined for TC and TIC using the respective standards.

c) An MDL was determined from the pooled SD of five batch blanks. MDL is set equal to 10x pooled SD, therefore is equal, with no dilution factor, to 0.5 ug/ml for TC, TOC and TIC. The MDL's for the above samples, with Prep Dilution Factor of 100x, is 50 ug/ml.

Concur by: M W [signature] Date: 9/28/95
Disk File: UV-TOC.39 System File: TC091995

Summary of Results

9/28/95

Prep Dilution Factor (vol/vol)

Sample ID	sol vol	H2O vol	Prep Dilution Factor
95-07932 - C1	0.1996	19.0847	95.6
95-07932 - C2	0.1996	20.2951	101.7
95-07932 - C3	0.1996	19.8367	99.4
95-07935 - C1	0.1996	20.0202	100.3
95-07935 - C2	0.1996	20.4408	102.4

Summary of Results (ugC/ml)

Sample ID	TC	Prep Dilution Factor	TC Final ugC/ml	RPD	TIC	Prep Dilution Factor	TIC Final ugC/ml	RPD	TOC	Prep Dilution Factor	TOC Final ugC/ml	RPD
95-07932 - C1	104	95.6	9944	5	89	95.6	8510	28	15	95.6	1434	72
95-07932 - C2	93	101.7	9456		63	101.7	6406		30	101.7	3050	
95-07932 - C3	0.64	99.4	64		0.47	99.4	47		0	99.4	17	
95-07935 - C1	96	100.3	9629	4	72	100.3	7222	11	24	100.3	2407	72
95-07935 - C2	90	102.4	9217		79	102.4	8090		11	102.4	1126	

where "mdf" = 0.5 ugC/ml*100 = 50 ugC/ml

Equation: TC Final = TC * Prep dilution factor

Preparer/date: DL Bollwinn 9-28-95
Reviewer/date: [illegible] 9/28/95

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

3-1819

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

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Pacific Northwest Laboratories

Page ____ of ____

ENGINEERING WORKSHEET

Prepared By:	Date:	Project:
Title/Subject:		

Water Blank Spk TC
0.5ml of 50ppm std
9.5ml Water

$$\frac{(2.91 - .14) - (0)}{25/10} = \frac{2.77}{2.5} = 1.10 \times 100 = 110\%$$

95-07935-C2
4.5ml Sample (10x)
.5ml 50ppm std

$$\frac{(14.74 - .14) - \left[(9.13 - .14) \times 9/10\right]}{25/5} = \frac{6.51}{5} = 1.30 \times 100 = 130\%$$

TIC

Water Blank Spk
9.5ml H_2O / .5ml 50ppm std

$$\frac{(2.60 - .15) - (0)}{25/10} = \frac{2.45}{2.5} = .980 \times 100 = 98\%$$

95-07935-C2

$$\frac{(\overset{12.53}{12.65} - .15) - \left[(\overset{7.39}{8.02} - .15) \times 9/10\right]}{25/5} = \cancel{\frac{2.31}{5} = .479 \times 100 \quad 48.3\%} \quad 69\%$$

DB 9-27-95

DLB 9/27/95
DLB 9-27-95

Battelle, Pacific Northwest Laboratory

CARBON (TC/TIC/TOC) ANALYSIS DATA SHEET
UV-Catalyzed Persulfate/NDIR Detector

Procedure: PNL-ALO-382 Rev. 0

Date Analyzed 9/27/95
Project No.

Instrument No. WA64102
Balance No. 362-06-01-046

Sample Information:

Sample ID	Sample Size	Dilutn	TC (ug C)	(UV off) TIC (ug C)	Observations, Calculations (ug/ml)
10ppm std	1ml		9.93	10.02	
Water Blank	1ml		.137	0.152	
Verification 10ppm std	1ml		10.01	—	
50ppm std	1ml		47.9	48.14	
Spk Blank	1ml		2.91	2.60	
95-07932-C1	25ul		2.16		
"	50ul		4.69		
"	1ml	10x	10.59	9.02	TC 10.34-.14 = 10.46 X10 = 104 TC = 15 TIC = 9.02-.15 = 8.87 X10 = 89
95-07932-C2	25ul		2.26		
"	50ul		4.01		
"	1ml	20x	4.80	3.32	TC 4.80-.14 = 4.66 X20 = 93 TIC = 3.32-.15 = 3.17 X20 = 63 X = 30
Method Blank 95-07932-C3	1ml		.637	.473	TC = .637-.14 = .497
10ppm std	1ml		10.02		
Blank Water	1ml		.145		
Verification 10ppm std	1ml		10.07		

Pipet Calibrations (or other data):

No. F18615 (1.0 ml)	No. F18615 (0.5 ml)	No. F19066 (0.1 ml)

TC Standard:
Potassium Acid Pthalate #52809
0.425 ±0.001g -> ~50 ml, add 100 ul H_3PO_4 and dilute to final volume 100 ml = 2000 ppm TC stock solution.
10 ppm TC working standard: 500 ul of 2000 ppm std -> 100ml.

TIC Standard
Sodium Carbonate #52815
0.883 ±0.001g -> 100 ml volume = 1000 ppm TIC stock solution. 10 ppm working standard: 1000 ul of 1000 ppm std to 100 ml.

9/27/95
Analyst's Signature date

9-27-95
Reviewer's Signature date

[File: CAR-TSTB.LOG, 10/14/93]

Battelle, Pacific Northwest Laboratory

CARBON (TC/TIC/TOC) ANALYSIS DATA SHEET
UV-Catalyzed Persulfate/NDIR Detector

Procedure: PNL-ALO-382 Rev. 0

Date Analyzed 9/27/95
Project No.

Instrument No. WA64102
Balance No. 362-06-01-046

Sample Information:

Sample ID	Sample Size	Dilutn	TC (ug C)	(UV off) TIC (ug C)	Observations, Calculations (ug/ml)
50ppm std	1ml		48.46		
95-07935-c1	25ml		2.08		
"	50ml		4.34		
"	1ml	10x	9.77	7.38	TC = 9.77 - .14 = 9.63 X 10 = 96 TIC = 7.38 - .15 = 7.23 X 10 = 72 TC = 24
95-07935-c2	25ml		2.06		
"	50ml		4.11		
"	1ml	10x	9.13	8.02	TC = 9.13 - .14 = 8.99 X 10 = 90 TIC = 8.02 - .15 = 7.87 X 10 = 79 TIC = "
SPK 95-07935-c2	1ml	10x	14.74	10.68	
10ppm std	1ml		10.01	10.63	
10ppm Certification std	1ml		10.10	—	
Water Blank	1ml		.203	0.167	
50ppm std	1ml		48.92	48.83	

Pipet Calibrations (or other data):

No. F18615 (1.0 ml)	No. F18615 (0.5 ml)	No. F19066 (0.1 ml)
1.0026	0.4987	0.0996
1.0031	0.5012	0.1010
1.0019	0.5021	0.1008

TC Standard:
Potassium Acid Pthalate #52809
0.425 ±0.001g -> ~50 ml, add 100 ul H_3PO_4 and dilute to final volume 100 ml = 2000 ppm TC stock solution.
10 ppm TC working standard: 500 ul of 2000 ppm std -> 100ml.

TIC Standard
Sodium Carbonate #52815
0.883 ±0.001g -> 100 ml volume = 1000 ppm TIC stock solution. 10 ppm working standard: 1000 ul of 1000 ppm std to 100 ml.

D. [illegible] 9/27/95
Analyst's Signature date

[illegible] 9-27-95
Reviewer's Signature date

[File: CAR-TSTB.LOG, 10/14/93]

9/27/95

ENGINEERING WORKSHEET

Date: | Project:

CAL -- 1 ML
CAL ADJ 9.993

TC

1 TOC 9.925 10ppm std 1ml

2 TOC 0.137 Blk 1ml

3 TOC 10.01 Verification std 10ppm 1ml

4 TOC 47.87 50ppm std 1ml

5 TOC 2.919 9.5ml H2O/.5ml 50ppm std Spk Blank 1ml

95-07932-C1 25ml

6 TOC 3.153

7 TOC 4.886 50ml

95-07932-C1 -10X 1ml

8 TOC 10.55

95-07932-C2 25ml

9 TOC 2.292

10 TOC 4.006 50ml

95-07932-C2 - 20X 1ml

11 TOC 4.757

95-07932-C3 Matrix Blank

12 TOC 0.627 1ml

95-07932-C4 MS

13 TOC 1.881 25ml

14 TOC 1.881 50ml

95-07932-C4-MS 10X

15 TOC 9.162 1ml

10ppm std

16 TOC 10.02 1ml

Blank

17 TOC 0.145 1ml

10ppm Verification std

18 TOC 10.07 1ml

19 TOC 48.53

50ppm std

95-07932-C5 100ml

20 TOC 0.117

21 TOC 0.057 50ml

22 TOC 0.045 50ml

95-07932-C5 Direct 1ml

23 TOC 0.493

95-07935-C1 25ml

24 TOC 2.088

25 TOC 4.333 50ml

95-07935-C1 10X 1ml

26 TOC 9.773

95-07935-C2 25ml

27 TOC 2.056

28 TOC 4.189 50ml

95-07935-C2 10X 1ml

29 TOC 9.132

95-07935-C2 Spk 1ml

30 TOC 14.74

10ppm std

31 TOC 10.01 1ml

10ppm Verification std

32 TOC 10.15 1ml

Water Blank

33 TOC 0.203 1ml

50ppm std

34 TOC 48.53 1ml

(10X) = 4.5ml H2O/.5ml Sa

(20X) = 9.5ml H2O/.5ml Sa

Spk-Sample 95-~~07935~~ 07935-C2
4.5 Sa (10X)/.5ml 50ppm std.

Spk Blank
9.5ml H2O/.5ml 50ppm std.

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Review: DC Bollinger 9-27-

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

Battelle
Pacific Northwest Laboratories

ENGINEERING WORKSHEET

Prepared By:	Date:	Project:

Title/Subject:

9/27/95

CRL -- 1 --
CRL ADJ 5.335

10ppm std
1 TOC 10.02 1ml

TIC

water Blank
2 TOC 0.153 1ml

50ppm std
3 TOC 46.14

4.5ml water .5ml 50ppm std
Spk Blank
4 TOC 2.887 1ml

95-07932-C1 10X
5 TOC 3.015 1ml

9-27-95
~~10X~~ 20X
95-07932-C2
6 TOC 3.315 1ml

95-07932-C2 - Blank
7 TOC 0.477 1ml

95-07935-C1 10X
8 TOC 7.334 1ml

95-07935-C2 - 10X
9 TOC 8.881 1ml

4.5ml Sa(10X) - 5ml 50ppm std
95-07935-C2 - SPK
10 TOC 10.35 1ml

10ppm std
11 TOC 10.83

Water Blank
12 TOC 0.167

50ppm std
13 TOC 48.33

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Reviewed: D L Bellamy 9-27-95

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