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

Document number: SD-WM-DP-170

Section 3 **of** 4

Title: Final Results for Tank 241BX112 Push Mode Cores 118 & 119 [Pgs 1201 Thru 1800]

Date: 08/07/1996 **Revision:** R001

Originator: Conner JM
Co: WHC

Recipient:
Co:

References: ECN-633319

%RSD	3.825	6.631	6.377	9.510	.5522	3.569	1.716
#1	.1591	.1957	.0051	.0784	42.75	.0197	.3414
#2	.1623	.2197	.0057	.0947	42.32	.0211	.3374
#3	.1713	.1970	.0057	.0893	42.70	.0204	.3300

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0033	.0709	-.0053
SDev	.0002	.0003	.0005
%RSD	5.573	.4320	8.787
#1	.0031	.0709	-.0050
#2	.0033	.0713	-.0058
#3	.0034	.0707	-.0051.

Analysis Report Thu 03-14-96 11:03:43 AM page 1

Method: ICP1A Sample Name: 96-2848-BLK Operator: DRS
Run Time: 03/14/96 11:02:24
Comment: ACIDIFICATION PROCESS BLANK (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0361	-.0007	.4948	.0003	-.0000	-.0142
SDev	.0002	.0056	.0103	.0035	.0002	.0001	.0014
%RSD	14.86	15.62	1461.	.6992	46.38	126.1	10.01
#1	-.0011	.0392	.0093	.4908	.0002	.0000	-.0132
#2	-.0015	.0296	-.0114	.4969	.0005	-.0001	-.0136
#3	-.0011	.0395	-.0001	.4967	.0002	-.0000	-.0158

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	.0077	-.0173	-.0021	.0003	-.0111	-.0018
SDev	.0007	.0039	.0039	.0008	.0024	.0013	.0006
%RSD	22.90	50.74	22.63	39.20	825.7	11.73	30.59
#1	-.0026	.0101	-.0130	-.0012	.0031	-.0111	-.0012
#2	-.0039	.0099	-.0206	-.0027	-.0008	-.0124	-.0022
#3	-.0027	.0032	-.0183	-.0026	-.0014	-.0098	-.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0122	-.6211	-.0050	.0141	-.0138	-.0081
SDev	.0002	.0001	.0609	.0018	.0021	.0021	.0001
%RSD	45.67	.9758	9.799	35.43	15.03	15.22	.8785
#1	-.0003	.0121	-.5751	-.0036	.0150	-.0162	-.0080
#2	-.0004	.0122	-.5981	-.0070	.0155	-.0123	-.0081
#3	-.0007	.0123	-.6901	-.0045	.0116	-.0129	-.0081

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	.9172	-.0111	.0220	-.0158	-.0251	-.0136
SDev	.0006	.0191	.0045	.0009	.0076	.0065	.0109
%RSD	42.86	2.081	40.25	4.000	48.51	26.03	80.72
#1	-.0019	.9282	-.0077	.0219	-.0076	-.0176	-.0099
#2	-.0008	.9282	-.0162	.0230	-.0170	-.0285	-.0259
#3	-.0012	.8952	-.0094	.0212	-.0227	-.0293	-.0049

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0140	-.0044	-.0035	-.0037	.2933	-.0125	.0001
SDev	.0061	.0026	.0016	.0121	.0157	.0396	.0000
%RSD	43.60	59.27	46.33	322.5	5.341	317.3	.4511
#1	-.0071	-.0019	-.0018	.0101	.2873	.0310	.0001
#2	-.0165	-.0071	-.0050	-.0120	.2816	-.0466	.0001
#3	-.0185	-.0041	-.0037	-.0093	.3111	-.0219	.0001

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0051	.0034	.0002	.0021	-.2345	-.0017	-.0010
SDev	.0092	.0038	.0001	.0104	.0688	.0001	.0065

%RSD	180.6	109.9	47.31	496.0	29.32	8.941	664.7
#1	.0005	-.0002	.0004	.0060	-.1587	-.0017	-.0005
#2	-.0157	.0074	.0002	-.0097	-.2521	-.0015	.0052
#3	-.0001	.0031	.0002	.0100	-.2928	-.0018	-.0077

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0009	.0083	-.0033
SDev	.0002	.0007	.0006
%RSD	27.77	8.223	16.96
#1	-.0012	.0084	-.0027
#2	-.0008	.0076	-.0038
#3	-.0007	.0089	-.0034

Analysis Report Thu 03-14-96 11:07:26 AM page 1

Method: ICP1A Sample Name: 96-2848 @5 Operator: DRS
Run Time: 03/14/96 11:06:07
Comment: 118.1ADL.D @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	1.981	.0801	.4443	.0023	.0006	4.804
SDev	.0022	.009	.0109	.0032	.0001	.0000	.021
%RSD	21.30	.4352	13.57	.7231	5.944	6.834	.4382
#1	.0099	1.973	.0721	.4406	.0023	.0006	4.815
#2	.0128	1.980	.0925	.4456	.0024	.0006	4.780
#3	.0084	1.990	.0758	.4466	.0021	.0006	4.818

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0672	.0160	.0965	.0107	10.99	.0176	.0082
SDev	.0008	.0022	.0063	.0005	.06	.0020	.0010
%RSD	1.262	13.96	6.519	4.948	.5046	11.54	12.85
#1	.0673	.0157	.1016	.0101	10.98	.0181	.0092
#2	.0680	.0184	.0984	.0109	10.94	.0193	.0082
#3	.0663	.0140	.0895	.0111	11.05	.0154	.0071

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	.9150	24.61	.0167	14.36	-.0458	.0010
SDev	.0001	.0060	.22	.0014	.11	.0137	.0004
%RSD	.9591	.6607	.9013	8.599	.7736	29.92	38.21
#1	.0105	.9112	24.77	.0177	14.28	-.0327	.0014
#2	.0105	.9119	24.71	.0174	14.31	-.0446	.0008
#3	.0103	.9220	24.36	.0151	14.49	-.0600	.0007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9616	2437.	.0569	.0658	212.5	.1852	.1509
SDev	.0043	17.	.0069	.0017	1.5	.0085	.0173
%RSD	.4481	.6964	12.07	2.514	.7192	4.613	11.45
#1	.9580	2426.	.0606	.0640	211.5	.1754	.1703
#2	.9604	2428.	.0611	.0664	211.6	.1914	.1372
#3	.9664	2456.	.0490	.0671	214.2	.1888	.1452

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1629	.1379	.0796	.0961	1.477	.3711	.0096
SDev	.0086	.0039	.0093	.0077	.012	.0396	.0000
%RSD	5.273	2.814	11.65	8.024	.8201	10.66	.0087
#1	.1700	.1413	.0870	.1028	1.466	.3998	.0096
#2	.1653	.1386	.0826	.0876	1.475	.3876	.0096
#3	.1533	.1337	.0692	.0978	1.490	.3260	.0096

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0999	.1102	.0036	.0438	17.19	.0148	.1125
SDev	.0027	.0108	.0003	.0043	.10	.0004	.0140

%RSD	2.660	9.776	8.103	9.789	.5589	3.047	12.45
#1	.1013	.0988	.0038	.0437	17.19	.0152	.1279
#2	.1015	.1201	.0037	.0481	17.10	.0149	.1093
#3	.0968	.1117	.0033	.0396	17.29	.0143	.1004

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0022	.0268	.0726
SDev	.0004	.0014	.0011
%RSD	17.84	5.202	1.496
#1	.0022	.0259	.0738
#2	.0026	.0261	.0717
#3	.0018	.0284	.0724

Analysis Report Thu 03-14-96 11:12:51 AM page 1

Method: ICP1A Sample Name: 96-2848 @50 Operator: DRS
Run Time: 03/14/96 11:11:32
Comment: 118.1ADL.D @50X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.2062	.0082	.0408	.0002	.0000	.4941
SDev	.0003	.0008	.0044	.0027	.0001	.0000	.0089
%RSD	120.0	.3929	54.52	6.578	38.76	29.56	1.794
#1	.0001	.2060	.0067	.0429	.0002	.0000	.4932
#2	.0005	.2071	.0131	.0417	.0001	.0000	.5033
#3	.0000	.2055	.0046	.0378	.0002	.0000	.4857

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0290	.0080	.0110	-.0002	1.130	-.0085	.0004
SDev	.0005	.0007	.0050	.0005	.002	.0002	.0003
%RSD	1.640	8.581	45.79	221.5	.1692	2.697	90.25
#1	-.0285	.0085	.0127	-.0007	1.130	-.0083	-.0000
#2	-.0294	.0072	.0150	.0003	1.128	-.0087	.0005
#3	-.0290	.0082	.0054	-.0002	1.131	-.0086	.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0850	2.277	.0009	1.496	-.0174	-.0076
SDev	.0000	.0004	.069	.0007	.003	.0039	.0001
%RSD	.3591	.5277	3.030	77.91	.2084	22.58	1.418
#1	.0012	.0855	2.277	.0009	1.498	-.0176	-.0077
#2	.0012	.0847	2.346	.0002	1.497	-.0212	-.0076
#3	.0012	.0848	2.208	.0015	1.493	-.0133	-.0075

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0968	268.4	.0057	.0159	20.94	-.0009	.0288
SDev	.0004	.7	.0013	.0036	.12	.0024	.0037
%RSD	.3843	.2553	23.42	22.68	.5689	277.3	12.87
#1	.0965	269.1	.0069	.0198	21.01	-.0034	.0263
#2	.0972	268.1	.0043	.0149	20.99	.0015	.0330
#3	.0967	267.8	.0059	.0128	20.80	-.0008	.0271

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0178	.0107	.0107	.0012	.1865	.0341	.0011
SDev	.0035	.0032	.0118	.0057	.0022	.0185	.0001
%RSD	19.75	29.78	109.5	480.7	1.193	54.45	6.217
#1	.0169	.0086	.0232	.0052	.1889	.0402	.0011
#2	.0217	.0144	-.0001	.0037	.1844	.0487	.0012
#3	.0149	.0092	.0091	-.0053	.1862	.0132	.0011

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0105	.0113	.0000	.0038	1.763	.0005	.0059
SDev	.0017	.0114	.0002	.0063	.058	.0007	.0175

%RSD	15.92	100.7	602.2	166.5	3.268	141.4	296.6
#1	.0088	.0078	-.0002	-.0003	1.803	-.0002	.0065
#2	.0122	.0021	.0003	.0006	1.789	.0011	.0231
#3	.0106	.0240	.0000	.0111	1.697	.0005	-.0119

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0001	-.0068	.0057
SDev	.0002	.0003	.0011
%RSD	261.5	4.326	18.98
#1	-.0002	-.0068	.0064
#2	.0001	-.0065	.0062
#3	-.0001	-.0071	.0045

Analysis Report Thu 03-14-96 11:16:59 AM page 1

Method: ICP1A Sample Name: Na @500 PPM Operator: DRS
Run Time: 03/14/96 11:15:41
Comment: Na IEC 950622I124 @10X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0091	-.0049	-.0046	.0001	-.0000	-.0027
SDev	.0023	.0122	.0030	.0049	.0006	.0001	.0036
%RSD	345.2	134.3	60.87	105.9	825.8	336.9	132.7
#1	.0021	.0176	-.0080	-.0015	.0004	.0000	-.0022
#2	.0019	.0147	-.0021	-.0021	.0004	.0000	-.0066
#3	-.0020	-.0049	-.0045	-.0103	-.0006	-.0001	.0006

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0360	.0087	-.0020	-.0004	.0017	-.0109	.0001
SDev	.0030	.0017	.0209	.0019	.0024	.0021	.0026
%RSD	8.398	19.55	1069.	513.5	141.7	19.63	2379.
#1	-.0344	.0100	.0122	.0007	-.0002	-.0094	.0013
#2	-.0341	.0093	.0079	.0008	.0044	-.0099	.0019
#3	-.0395	.0068	-.0259	-.0025	.0009	-.0133	-.0029

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0082	-.1840	.0003	.0002	-.0167	-.0087
SDev	.0009	.0011	.5976	.0063	.0018	.0061	.0004
%RSD	226.4	13.72	324.8	2338.	1136.	36.66	4.809
#1	.0009	-.0078	.1610	.0027	.0015	-.0100	-.0083
#2	.0009	-.0073	.1610	.0050	.0010	-.0221	-.0086
#3	-.0006	-.0094	-.8741	-.0069	-.0019	-.0179	-.0091

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	481.3	.0068	.0094	.0003	-.0088	.0259
SDev	.0010	16.8	.0216	.0027	.0093	.0130	.0410
%RSD	864.0	3.481	316.4	28.11	3345.	148.1	158.3
#1	-.0005	471.2	.0172	.0083	-.0078	-.0029	.0480
#2	.0013	472.1	.0214	.0125	.0104	.0002	.0511
#3	-.0004	500.7	-.0180	.0076	-.0017	-.0237	-.0214

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0035	.0055	-.0033	.0432	-.0020	.0002
SDev	.0212	.0058	.0102	.0148	.0066	.0538	.0003
%RSD	509.4	164.4	183.8	453.3	15.31	2732.	157.8
#1	.0157	.0053	.0088	.0078	.0486	.0338	.0004
#2	.0170	.0083	.0137	.0025	.0453	.0241	.0002
#3	-.0203	-.0029	-.0059	-.0201	.0358	-.0638	-.0001

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	.0054	.0000	.0054	.0033	-.0001	.0061
SDev	.0100	.0052	.0012	.0028	.2385	.0019	.0062

%RSD	125.4	95.67	2458.	51.29	7317.	1367.	102.2
#1	.0077	.0078	.0006	.0068	.1358	.0010	.0083
#2	.0182	.0090	.0009	.0073	.1461	.0010	-.0009
#3	-.0018	-.0005	-.0013	.0022	-.2721	-.0024	.0109

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0002	-.0103	-.0017
SDev	.0010	.0001	.0014
%RSD	435.0	1.090	81.75
#1	.0004	-.0102	-.0011
#2	.0004	-.0104	-.0008
#3	-.0014	-.0104	-.0034

Analysis Report Thu 03-14-96 11:21:47 AM page 1

Method: ICP1A Sample Name: 96-2648 @2 Operator: DRS
Run Time: 03/14/96 11:20:28
Comment: 118.1IDL.D @2X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0162	4.733	.1324	1.072	.0039	.0013	11.56
SDev	.0006	.012	.0065	.002	.0001	.0001	.05
%RSD	3.430	.2462	4.936	.2198	3.469	5.542	.4274
#1	.0156	4.744	.1323	1.069	.0038	.0012	11.61
#2	.0162	4.721	.1390	1.074	.0039	.0013	11.51
#3	.0167	4.735	.1259	1.072	.0040	.0013	11.55

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1882	.0143	.1895	.0189	25.81	.0513	.0128
SDev	.0008	.0033	.0023	.0007	.06	.0026	.0010
%RSD	.4057	22.96	1.220	3.898	.2365	5.035	7.892
#1	.1876	.0180	.1873	.0192	25.87	.0492	.0119
#2	.1880	.0131	.1892	.0181	25.75	.0506	.0126
#3	.1890	.0117	.1919	.0195	25.81	.0542	.0139

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0220	2.166	58.47	.0276	34.98	-.1044	.0131
SDev	.0001	.006	.14	.0019	.15	.0114	.0001
%RSD	.4885	.2917	.2393	6.790	.4309	10.90	.5150
#1	.0220	2.173	58.54	.0272	35.16	-.1174	.0130
#2	.0220	2.160	58.31	.0260	34.93	-.0962	.0132
#3	.0222	2.166	58.57	.0297	34.87	-.0996	.0131

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.271	4841.	.0834	.1235	516.0	.4132	.1776
SDev	.003	15.	.0045	.0022	1.5	.0023	.0145
%RSD	.1149	.3106	5.359	1.772	.2895	.5481	8.177
#1	2.273	4858.	.0817	.1211	517.7	.4108	.1717
#2	2.268	4831.	.0800	.1242	515.2	.4153	.1669
#3	2.273	4834.	.0885	.1253	515.1	.4134	.1941

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3307	.3020	.1464	.1903	3.429	.5974	.0221
SDev	.0076	.0030	.0152	.0134	.008	.0332	.0001
%RSD	2.292	.9963	10.40	7.057	.2204	5.562	.3181
#1	.3229	.2993	.1538	.1767	3.428	.5640	.0221
#2	.3311	.3052	.1566	.2036	3.421	.5978	.0220
#3	.3380	.3014	.1289	.1907	3.436	.6304	.0221

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2150	.2879	.0049	.0661	39.86	.0301	.2461
SDev	.0019	.0074	.0004	.0130	.19	.0006	.0012

%RSD	.8881	2.582	7.910	19.65	.4832	1.992	.4814
#1	.2169	.2850	.0048	.0582	40.06	.0295	.2475
#2	.2148	.2963	.0047	.0590	39.68	.0302	.2455
#3	.2131	.2822	.0054	.0811	39.86	.0307	.2454

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0039	.0791	.1701
SDev	.0005	.0003	.0007
%RSD	13.24	.3507	.4222
#1	.0036	.0794	.1706
#2	.0035	.0788	.1693
#3	.0044	.0790	.1703

Analysis Report QC Standard Thu 03-14-96 11:28:58 AM page 1

Method: ICP1A Sample Name: QC_MCVA1 960226I901 Operator: DRS PASS
Run Time: 03/14/96 11:27:40 DRS
Comment: (DRAINABLE LIQUIDS)K.SILVERS 3/14/96
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4822	10.03	2.579	2.084	.4936	.0947	24.13
SDev	.0021	.05	.010	.023	.0027	.0005	.12
%RSD	.4328	.4568	.4007	1.101	.5511	.5009	.4942
#1	.4825	10.05	2.586	2.098	.4955	.0948	24.20
#2	.4841	10.07	2.584	2.097	.4948	.0951	24.19
#3	.4799	9.981	2.567	2.058	.4905	.0942	23.99
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.10	.4989	-.0228	.9873	.9901	.9277	-.0050
SDev	.10	.0031	.0072	.0033	.0052	.0047	.0012
%RSD	.4044	.6109	31.49	.3319	.5258	.5028	24.00
#1	25.13	.4966	-.0265	.9884	.9936	.9266	-.0061
#2	25.18	.5024	-.0272	.9899	.9927	.9328	-.0051
#3	24.99	.4978	-.0145	.9836	.9841	.9237	-.0037
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	19.95	24.44	-.0032	1.988	31.97	.5065
SDev	.0002	.09	.22	.0011	.010	.13	.0021
%RSD	65.46	.4713	.8897	34.52	.5014	.3963	.4069
#1	.0002	19.99	24.68	-.0044	1.994	32.06	.5074
#2	.0002	20.02	24.36	-.0022	1.993	32.03	.5079
#3	.0006	19.85	24.27	-.0031	1.976	31.82	.5041
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9947	37.28	-.0237	1.007	4.901	2.413	-.0966
SDev	.0086	.41	.0033	.007	.024	.005	.0034
%RSD	.8640	1.088	13.83	.6982	.4894	.1919	3.516
#1	.9999	37.64	-.0254	1.006	4.884	2.416	-.0930
#2	.9994	37.37	-.0259	1.014	4.929	2.408	-.0997
#3	.9848	36.84	-.0200	1.000	4.891	2.416	-.0970
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0417	.0122	2.584	2.528	18.52	.1696	.5041
SDev	.0071	.0007	.037	.030	.08	.0190	.0029
%RSD	16.95	5.858	1.425	1.196	.4269	11.17	.5843
#1	-.0474	.0129	2.608	2.563	18.56	.1574	.5055
#2	-.0440	.0121	2.603	2.510	18.58	.1599	.5061
#3	-.0338	.0115	2.542	2.510	18.43	.1914	.5007
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0232	.0506	.9810	2.493	-.4174	1.007	.0342
SDev	.0040	.0107	.0055	.021	.0814	.005	.0073
%RSD	17.29	21.17	.5591	.8374	19.51	.5283	21.47
#1	.0248	.0386	.9819	2.498	-.3675	1.008	.0268
#2	.0186	.0538	.9859	2.511	-.5113	1.011	.0415
#3	.0261	.0593	.9751	2.470	-.3732	1.001	.0342
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0006	.9772	1.965
SDev	.0004	.0045	.011
%RSD	58.52	.4584	.5362
#1	-.0009	.9821	1.970
#2	-.0008	.9762	1.972
#3	-.0002	.9732	1.953
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Thu 03-14-96 11:33:28 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/14/96 11:32:09
Comment: 118.1IDL.D @2X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0142	.0049	-.0032	.0003	.0001	.0039
SDev	.0006	.0048	.0068	.0006	.0001	.0000	.0086
%RSD	45.57	34.02	139.3	19.44	26.78	6.416	219.7
#1	.0016	.0151	.0038	-.0032	.0002	.0001	.0067
#2	.0019	.0185	.0121	-.0026	.0004	.0001	.0107
#3	.0007	.0090	-.0013	-.0039	.0002	.0001	-.0057

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	.0077	.0070	.0008	.0002	-.0087	.0018
SDev	.0018	.0021	.0068	.0011	.0011	.0018	.0005
%RSD	25.34	27.24	98.10	128.4	502.3	20.98	30.71
#1	.0088	.0054	.0052	.0014	-.0010	-.0105	.0019
#2	.0071	.0081	.0145	.0015	.0010	-.0089	.0022
#3	.0053	.0095	.0012	-.0004	.0007	-.0068	.0012

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0003	.2377	.0017	-.0052	.0047	-.0081
SDev	.0002	.0008	.0703	.0015	.0012	.0052	.0003
%RSD	24.31	333.4	29.56	91.93	23.59	110.2	3.895
#1	.0007	.0005	.2530	.0005	-.0053	.0105	-.0078
#2	.0009	-.0000	.2990	.0034	-.0039	.0003	-.0081
#3	.0006	-.0012	.1610	.0011	-.0063	.0034	-.0084

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.1218	.0115	.0072	.0199	-.0045	.0474
SDev	.0011	.0193	.0101	.0018	.0087	.0108	.0130
%RSD	122.6	15.85	87.48	25.23	43.61	238.7	27.40
#1	.0018	.1236	.0119	.0083	.0261	-.0114	.0499
#2	.0011	.1401	.0214	.0083	.0236	.0079	.0589
#3	-.0003	.1017	.0013	.0051	.0100	-.0100	.0333

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0162	.0041	.0160	.0132	.0331	.0397	.0004
SDev	.0079	.0029	.0065	.0116	.0071	.0099	.0001
%RSD	48.80	70.36	40.20	88.22	21.59	25.02	15.64
#1	.0128	.0057	.0091	.0265	.0313	.0304	.0005
#2	.0252	.0058	.0219	.0071	.0409	.0502	.0005
#3	.0105	.0008	.0171	.0058	.0269	.0384	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	-.0042	.0009	.0073	.1548	.0011	.0090
SDev	.0063	.0040	.0001	.0083	.0284	.0005	.0011

%RSD	56.11	93.38	14.54	112.5	18.31	47.27	12.36
#1	.0134	-.0039	.0010	-.0020	.1875	.0013	.0102
#2	.0160	-.0005	.0009	.0137	.1363	.0014	.0082
#3	.0041	-.0083	.0007	.0103	.1408	.0005	.0085

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0000	-.0084	.0001
SDev	.0003	.0002	.0003
%RSD	3313.	2.292	373.9
#1	-.0000	-.0083	-.0002
#2	.0004	-.0086	.0001
#3	-.0003	-.0082	.0003

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Method: ICP1A Sample Name: 96-2850 @50X DIL Operator: DRS
Run Time: 03/14/96 11:38:15
Comment: 118.3DL.D @50X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.1793	.0001	.0632	-.0002	.0000	.3110
SDev	.0004	.0048	.0091	.0013	.0002	.0000	.0023
%RSD	213.7	2.669	6272.	2.101	63.08	60.18	.7325
#1	-.0007	.1759	-.0055	.0622	-.0003	.0000	.3104
#2	-.0002	.1772	-.0047	.0626	-.0003	.0000	.3136
#3	.0002	.1848	.0106	.0647	-.0001	.0000	.3091

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0097	-.0035	-.0012	-.0006	1.776	.0012	-.0003
SDev	.0004	.0015	.0022	.0004	.007	.0010	.0006
%RSD	4.042	43.00	186.4	64.50	.3810	83.82	181.5
#1	.0100	-.0052	-.0030	-.0009	1.772	.0024	-.0006
#2	.0098	-.0028	-.0018	-.0008	1.784	.0008	-.0007
#3	.0092	-.0024	.0013	-.0002	1.773	.0005	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.3018	3.275	-.0004	.1519	-.0170	.0026
SDev	.0002	.0007	.096	.0007	.0013	.0049	.0001
%RSD	18.12	.2450	2.925	162.2	.8444	28.65	5.558
#1	.0009	.3021	3.199	-.0010	.1529	-.0225	.0026
#2	.0011	.3023	3.245	-.0007	.1524	-.0149	.0024
#3	.0013	.3009	3.383	.0003	.1505	-.0135	.0027

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1652	357.1	.0025	.0047	21.71	-.0027	.0104
SDev	.0017	1.7	.0027	.0019	.11	.0015	.0131
%RSD	1.010	.4627	107.9	41.24	.5068	55.63	125.5
#1	.1639	357.9	-.0003	.0034	21.76	-.0010	.0108
#2	.1646	358.2	.0027	.0038	21.78	-.0032	-.0029
#3	.1671	355.2	.0052	.0069	21.58	-.0038	.0232

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0208	.0237	.0070	.0250	.1569	.0266	.0009
SDev	.0060	.0005	.0005	.0153	.0021	.0045	.0001
%RSD	29.06	2.150	6.718	61.32	1.324	16.85	7.850
#1	.0166	.0236	.0072	.0299	.1558	.0309	.0008
#2	.0180	.0232	.0073	.0078	.1593	.0220	.0009
#3	.0277	.0242	.0065	.0372	.1557	.0270	.0009

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0102	-.0002	-.0003	2.620	.0002	.0028
SDev	.0057	.0061	.0004	.0045	.085	.0002	.0010

%RSD	169.9	60.00	189.5	1746.	3.238	111.1	35.70
#1	.0056	.0090	-.0005	.0039	2.556	-.0000	.0017
#2	-.0031	.0167	-.0005	.0003	2.588	.0004	.0035
#3	.0075	.0047	.0003	-.0051	2.716	.0003	.0033

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	.0042	.0244
SDev	.0004	.0005	.0006
%RSD	117.6	13.05	2.628
#1	-.0005	.0048	.0240
#2	-.0005	.0040	.0242
#3	.0001	.0037	.0252

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Method: ICP1A Sample Name: 96-2850 @10 Operator: DRS
Run Time: 03/14/96 11:42:16
Comment: 118.3DL.D @10X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.9148	.0249	.3009	.0012	.0004	1.568
SDev	.0001	.0025	.0114	.0043	.0001	.0000	.002
%RSD	2.397	.2750	45.75	1.438	11.76	8.881	.1564
#1	.0033	.9128	.0365	.2995	.0013	.0005	1.570
#2	.0032	.9176	.0245	.3057	.0012	.0004	1.565
#3	.0032	.9139	.0137	.2974	.0010	.0004	1.567

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	-.0043	.0533	.0053	8.722	.0049	.0048
SDev	.0009	.0002	.0026	.0004	.018	.0007	.0008
%RSD	5.156	5.123	4.898	7.189	.2094	13.90	16.29
#1	.0173	-.0041	.0503	.0058	8.703	.0044	.0056
#2	.0172	-.0045	.0548	.0053	8.722	.0047	.0045
#3	.0158	-.0044	.0548	.0050	8.740	.0057	.0041

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0075	1.510	17.08	.0108	.7452	-.0175	.0127
SDev	.0002	.005	.04	.0026	.0061	.0125	.0001
%RSD	3.163	.3443	.2334	23.97	.8135	71.60	.6751
#1	.0078	1.504	17.12	.0131	.7410	-.0075	.0127
#2	.0074	1.514	17.05	.0113	.7425	-.0134	.0127
#3	.0074	1.513	17.05	.0080	.7522	-.0316	.0128

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8200	1680.	.0297	.0293	109.8	.0230	.1085
SDev	.0016	6.	.0047	.0010	.1	.0083	.0098
%RSD	.2009	.3648	15.75	3.463	.1133	36.02	9.041
#1	.8181	1673.	.0321	.0305	109.7	.0208	.1188
#2	.8205	1684.	.0326	.0287	109.9	.0322	.0992
#3	.8212	1682.	.0243	.0287	109.9	.0160	.1075

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1331	.1417	.0614	.0826	.8364	.2097	.0050
SDev	.0033	.0037	.0080	.0094	.0022	.0143	.0001
%RSD	2.485	2.623	13.10	11.42	.2678	6.810	1.404
#1	.1364	.1441	.0524	.0930	.8365	.2019	.0051
#2	.1331	.1436	.0639	.0745	.8385	.2262	.0050
#3	.1298	.1374	.0679	.0805	.8341	.2010	.0050

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0615	.0883	.0017	.0241	13.17	.0068	.0825
SDev	.0080	.0030	.0002	.0077	.05	.0007	.0118

%RSD	13.05	3.364	12.16	31.94	.3761	10.53	14.37
#1	.0706	.0910	.0017	.0154	13.12	.0076	.0960
#2	.0581	.0888	.0015	.0302	13.19	.0062	.0738
#3	.0557	.0851	.0019	.0265	13.22	.0066	.0776

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0018	.0273	.1247
SDev	.0004	.0009	.0006
%RSD	24.49	3.294	.4375
#1	.0023	.0276	.1253
#2	.0015	.0280	.1245
#3	.0015	.0263	.1242

Analysis Report Thu 03-14-96 11:47:54 AM page 1

Method: ICP1A Sample Name: 96-2850 @3 Operator: DRS
Run Time: 03/14/96 11:46:35
Comment: 118.3DL.D @3X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	2.904	.1145	.9554	.0029	.0014	4.988
SDev	.0006	.011	.0162	.0047	.0001	.0000	.029
%RSD	7.764	.3643	14.10	.4910	2.727	1.193	.5831
#1	.0087	2.895	.1133	.9516	.0029	.0014	4.955
#2	.0075	2.903	.0990	.9539	.0028	.0013	5.000
#3	.0086	2.916	.1313	.9607	.0029	.0014	5.009

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1314	.0063	.1576	.0136	27.53	.0177	.0125
SDev	.0006	.0013	.0074	.0009	.12	.0016	.0008
%RSD	.4393	21.18	4.717	6.776	.4342	8.800	6.393
#1	.1314	.0049	.1662	.0145	27.40	.0189	.0135
#2	.1320	.0075	.1536	.0127	27.54	.0159	.0122
#3	.1308	.0064	.1531	.0136	27.64	.0182	.0120

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0227	4.792	54.94	.0282	2.392	-.0511	.0399
SDev	.0002	.017	.18	.0017	.011	.0081	.0001
%RSD	.9909	.3640	.3360	6.043	.4448	15.77	.1900
#1	.0229	4.774	54.75	.0301	2.379	-.0429	.0400
#2	.0225	4.793	55.11	.0269	2.398	-.0590	.0399
#3	.0225	4.808	54.95	.0275	2.398	-.0512	.0399

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.594	4614.	.0749	.1021	361.2	.0545	.2599
SDev	.013	15.	.0069	.0016	1.2	.0048	.0123
%RSD	.5180	.3154	9.245	1.553	.3314	8.880	4.753
#1	2.580	4599.	.0824	.1036	359.9	.0601	.2722
#2	2.597	4617.	.0737	.1022	361.5	.0522	.2601
#3	2.606	4627.	.0687	.1005	362.3	.0513	.2475

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3942	.4377	.1533	.1944	2.762	.5932	.0156
SDev	.0094	.0024	.0086	.0045	.009	.0147	.0000
%RSD	2.389	.5549	5.581	2.328	.3403	2.486	.0054
#1	.4049	.4356	.1600	.1996	2.755	.6090	.0156
#2	.3872	.4404	.1436	.1922	2.757	.5798	.0156
#3	.3905	.4372	.1561	.1914	2.772	.5909	.0156

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1676	.3090	.0046	.0675	40.82	.0201	.2593
SDev	.0037	.0032	.0005	.0018	.19	.0008	.0113

%RSD	2.229	1.030	11.68	2.642	.4722	3.729	4.346
#1	.1651	.3054	.0051	.0685	40.61	.0209	.2474
#2	.1719	.3109	.0040	.0654	40.98	.0196	.2606
#3	.1658	.3109	.0047	.0685	40.87	.0196	.2698

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0040	.0913	.3944
SDev	.0005	.0012	.0014
%RSD	12.46	1.284	.3626
#1	.0046	.0905	.3927
#2	.0037	.0926	.3949
#3	.0038	.0908	.3954

Analysis Report Thu 03-14-96 11:54:28 AM page 1

Method: ICP1A Sample Name: 96-2987 Operator: DRS
Run Time: 03/14/96 11:53:09
Comment: FIELD BLANK (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.1615	-.0135	2.581	.0017	-.0000	.0074
SDev	.0009	.0054	.0086	.043	.0003	.0000	.0023
%RSD	1286.	3.370	64.08	1.681	16.00	136.6	31.16
#1	-.0011	.1553	-.0115	2.630	.0014	-.0000	.0048
#2	.0004	.1633	-.0229	2.568	.0017	.0000	.0092
#3	.0005	.1657	-.0060	2.546	.0020	-.0000	.0083

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6646	-.0090	-.0002	.0016	.0095	.0086	-.0003
SDev	.0071	.0011	.0080	.0009	.0012	.0010	.0011
%RSD	1.064	11.74	3195.	57.60	12.66	11.67	332.0
#1	.6727	-.0099	-.0093	.0005	.0095	.0080	-.0017
#2	.6617	-.0078	.0029	.0022	.0107	.0098	.0002
#3	.6595	-.0092	.0056	.0021	.0083	.0081	.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0283	.1994	.0005	.1568	.2202	.0248
SDev	.0004	.0005	.2126	.0036	.0041	.0030	.0004
%RSD	279.3	1.643	106.6	670.5	2.642	1.360	1.459
#1	-.0005	.0280	-.0460	-.0033	.1611	.2237	.0252
#2	-.0002	.0281	.3222	.0011	.1563	.2189	.0248
#3	.0003	.0288	.3222	.0038	.1529	.2181	.0244

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	10.76	.0010	.0045	.6004	-.0061	.0075
SDev	.0008	.19	.0076	.0029	.0136	.0063	.0231
%RSD	10.67	1.785	770.0	64.55	2.263	103.7	307.9
#1	.0079	10.97	-.0078	.0013	.6133	-.0104	-.0143
#2	.0064	10.71	.0053	.0069	.5862	-.0089	.0051
#3	.0068	10.60	.0054	.0052	.6015	.0011	.0318

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0014	.0145	.0167	2.719	.0169	.0037
SDev	.0110	.0014	.0117	.0030	.021	.0177	.0000
%RSD	7230.	104.9	80.32	17.79	.7857	104.9	.0246
#1	-.0100	-.0028	.0058	.0139	2.743	.0157	.0037
#2	-.0015	-.0014	.0278	.0198	2.711	-.0002	.0037
#3	.0119	.0001	.0100	.0163	2.703	.0352	.0037

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	-.0032	.0016	.0047	-.0452	-.0001	.0049
SDev	.0064	.0036	.0005	.0026	.0866	.0014	.0091

%RSD	124.2	112.3	31.20	54.46	191.5	1179.	185.0
#1	-.0022	.0003	.0010	.0029	-.1356	-.0016	-.0035
#2	.0083	-.0031	.0018	.0076	-.0369	.0001	.0037
#3	.0094	-.0069	.0019	.0035	.0369	.0011	.0146

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	.0663	.0003
SDev	.0002	.0032	.0008
%RSD	48.70	4.766	252.3
#1	-.0004	.0690	-.0006
#2	-.0005	.0670	.0006
#3	-.0002	.0628	.0010

Analysis Report Thu 03-14-96 11:58:02 AM page 1

Method: ICP1A Sample Name: 96-2988 @5 Operator: DRS
Run Time: 03/14/96 11:56:43
Comment: HYD.FLUID @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	.0116	-.0211	.5607	.0071	-.0001	.0015
SDev	.0004	.0052	.0052	.0036	.0001	.0001	.0092
%RSD	14.27	44.84	24.49	.6378	1.107	45.43	595.7
#1	-.0031	.0165	-.0204	.5578	.0071	-.0001	-.0021
#2	-.0023	.0061	-.0163	.5647	.0070	-.0002	-.0053
#3	-.0030	.0121	-.0266	.5596	.0071	-.0001	.0120

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3363	-.0048	-.0325	-.0029	-.0027	.0003	-.0035
SDev	.0009	.0049	.0045	.0007	.0002	.0010	.0003
%RSD	.2607	101.6	13.89	23.30	6.539	314.4	9.695
#1	.3355	-.0078	-.0349	-.0035	-.0027	-.0008	-.0032
#2	.3362	-.0074	-.0352	-.0029	-.0025	.0007	-.0039
#3	.3373	.0008	-.0273	-.0022	-.0028	.0010	-.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	-.0072	-.8361	-.0083	139.3	.0069	-.0003
SDev	.0000	.0002	.0133	.0011	.8	.0068	.0004
%RSD	.5293	2.139	1.589	13.70	.5751	98.81	131.6
#1	-.0015	-.0071	-.8515	-.0075	139.1	.0056	-.0000
#2	-.0015	-.0074	-.8284	-.0096	140.1	.0143	-.0007
#3	-.0015	-.0072	-.8284	-.0077	138.6	.0008	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	1.281	-.0309	-.0068	-.0145	-.0231	-.0506
SDev	.0010	.020	.0026	.0013	.0254	.0100	.0043
%RSD	351.0	1.551	8.310	18.67	175.2	43.37	8.520
#1	.0015	1.259	-.0285	-.0078	.0066	-.0304	-.0473
#2	-.0005	1.297	-.0336	-.0054	-.0427	-.0271	-.0555
#3	-.0001	1.286	-.0306	-.0071	-.0074	-.0117	-.0491

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0309	-.0096	-.0017	.0070	1.081	-.0790	.0020
SDev	.0035	.0023	.0083	.0125	.004	.0119	.0001
%RSD	11.29	24.27	490.8	176.9	.4049	15.08	3.601
#1	-.0310	-.0118	-.0086	.0202	1.076	-.0888	.0019
#2	-.0343	-.0099	.0075	-.0045	1.085	-.0657	.0019
#3	-.0274	-.0071	-.0040	.0054	1.081	-.0824	.0020

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0110	-.0046	-.0012	-.0049	-.3924	-.0030	-.0173
SDev	.0036	.0009	.0002	.0062	.0624	.0003	.0042

%RSD	32.96	18.81	16.75	127.8	15.90	9.531	24.46
#1	-.0138	-.0055	-.0012	-.0093	-.4336	-.0027	-.0198
#2	-.0123	-.0038	-.0010	-.0076	-.4230	-.0033	-.0198
#3	-.0069	-.0045	-.0013	.0023	-.3206	-.0030	-.0124

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0014	.0183	-.0030
SDev	.0002	.0010	.0003
%RSD	13.76	5.423	11.40
#1	-.0012	.0195	-.0034
#2	-.0016	.0177	-.0029
#3	-.0013	.0178	-.0027

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Method: ICP1A Sample Name: 96-2~~0~~9 88 @25 Operator: DRS
Run Time: 03/14/96 12:01:05
Comment: HYD.FLUID @25X DIL DRS 3/14/96 (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.0003	-.0127	.1143	.0011	-.0000	-.0094
SDev	.0008	.0027	.0065	.0018	.0002	.0000	.0064
%RSD	48.65	988.3	51.28	1.568	14.13	45.64	67.68
#1	-.0015	.0029	-.0095	.1150	.0010	-.0000	-.0022
#2	-.0027	-.0026	-.0084	.1156	.0010	-.0000	-.0141
#3	-.0010	.0005	-.0203	.1122	.0013	-.0000	-.0119

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0433	.0008	-.0163	-.0023	-.0014	-.0014	-.0017
SDev	.0011	.0051	.0073	.0003	.0006	.0006	.0007
%RSD	2.648	645.4	44.91	15.04	39.10	46.42	39.17
#1	.0442	.0064	-.0078	-.0024	-.0016	-.0011	-.0025
#2	.0420	-.0034	-.0205	-.0019	-.0018	-.0021	-.0016
#3	.0437	-.0006	-.0205	-.0026	-.0008	-.0009	-.0011

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	-.0078	-.5830	-.0044	28.40	-.0048	-.0001
SDev	.0000	.0003	.1957	.0015	.22	.0079	.0000
%RSD	1.120	3.702	33.57	34.65	.7640	166.7	25.34
#1	-.0007	-.0075	-.5753	-.0046	28.40	-.0069	-.0001
#2	-.0007	-.0081	-.7824	-.0058	28.62	-.0114	-.0001
#3	-.0007	-.0078	-.3912	-.0028	28.18	.0040	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.2235	-.0149	-.0061	-.0130	-.0159	-.0287
SDev	.0005	.0249	.0026	.0030	.0249	.0028	.0222
%RSD	37.27	11.15	17.43	49.36	191.1	17.46	77.20
#1	-.0009	.2493	-.0127	-.0089	-.0358	-.0173	-.0422
#2	-.0019	.1996	-.0178	-.0064	.0135	-.0177	-.0409
#3	-.0016	.2216	-.0141	-.0029	-.0168	-.0127	-.0031

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0167	-.0058	.0096	.0128	.2121	-.0340	.0002
SDev	.0074	.0027	.0060	.0104	.0057	.0348	.0001
%RSD	44.67	47.29	62.39	81.88	2.702	102.6	42.86
#1	-.0150	-.0089	.0052	.0195	.2185	-.0445	.0002
#2	-.0248	-.0048	.0164	.0007	.2077	-.0623	.0001
#3	-.0102	-.0037	.0072	.0180	.2099	.0049	.0002

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0063	-.0039	-.0009	-.0034	-.2725	-.0014	-.0157
SDev	.0063	.0090	.0003	.0080	.0787	.0004	.0012

%RSD	99.98	234.2	37.15	235.3	28.88	25.14	7.656
#1	-.0066	.0063	-.0008	-.0079	-.3172	-.0014	-.0164
#2	-.0124	-.0070	-.0013	.0058	-.3187	-.0018	-.0143
#3	.0002	-.0109	-.0007	-.0081	-.1816	-.0010	-.0165

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0010	.0209	-.0022
SDev	.0000	.0012	.0004
%RSD	4.325	5.554	18.35
#1	-.0010	.0198	-.0021
#2	-.0010	.0221	-.0026
#3	-.0010	.0207	-.0018

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Method: ICP1A Sample Name: 96-2988 Operator: DRS
Run Time: 03/14/96 12:04:56
Comment: HYD.FLUID (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.1329	.0265	2.734	.0384	.0000	.0445
SDev	.0009	.0011	.0095	.015	.0002	.0000	.0041
%RSD	23.47	.8227	35.78	.5357	.5394	124.0	9.268
#1	.0029	.1316	.0182	2.739	.0386	.0000	.0433
#2	.0046	.1334	.0245	2.746	.0382	-.0000	.0491
#3	.0042	.1336	.0369	2.718	.0384	.0000	.0411

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.485	-.0014	-.0164	.0055	.0028	.0164	.0041
SDev	.005	.0018	.0060	.0004	.0017	.0016	.0003
%RSD	.3165	127.0	36.72	6.894	60.46	10.01	8.549
#1	1.484	-.0001	-.0147	.0051	.0047	.0157	.0043
#2	1.491	-.0007	-.0231	.0058	.0023	.0152	.0037
#3	1.482	-.0035	-.0114	.0057	.0014	.0183	.0043

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0042	.1611	-.0015	611.3	.1472	.0012
SDev	.0002	.0003	.0830	.0009	2.3	.0007	.0001
%RSD	67.46	7.282	51.51	64.62	.3704	.4669	8.178
#1	-.0005	.0042	.1381	-.0009	611.9	.1469	.0011
#2	-.0003	.0039	.0921	-.0025	613.2	.1467	.0012
#3	-.0001	.0046	.2531	-.0009	608.8	.1480	.0012

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0180	5.743	-.0148	.0001	.0293	.0409	.1041
SDev	.0016	.031	.0024	.0023	.0284	.0043	.0085
%RSD	9.121	.5351	16.42	2016.	97.20	10.49	8.146
#1	.0161	5.738	-.0154	.0002	-.0032	.0401	.0958
#2	.0189	5.716	-.0169	-.0022	.0414	.0372	.1127
#3	.0189	5.776	-.0121	.0023	.0496	.0456	.1037

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0346	.0117	.0404	.0532	5.377	.1324	.0110
SDev	.0074	.0032	.0083	.0071	.014	.0251	.0001
%RSD	21.32	27.44	20.44	13.38	.2544	18.98	.6385
#1	.0261	.0085	.0325	.0450	5.371	.1357	.0110
#2	.0393	.0149	.0397	.0569	5.393	.1058	.0111
#3	.0384	.0118	.0490	.0577	5.368	.1557	.0111

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0440	.0058	.0024	.0246	.0508	.0023	.0049
SDev	.0068	.0080	.0004	.0050	.0163	.0001	.0080

%RSD	15.53	139.4	15.66	20.11	31.98	4.423	163.9
#1	.0513	.0039	.0020	.0282	.0649	.0023	.0013
#2	.0378	-.0012	.0025	.0190	.0546	.0022	.0140
#3	.0429	.0145	.0028	.0266	.0330	.0023	-.0007

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0002	.0323	.0011
SDev	.0000	.0016	.0006
%RSD	3.783	5.104	49.99
#1	.0002	.0340	.0008
#2	.0002	.0322	.0018
#3	.0002	.0307	.0008

Analysis Report QC Standard Thu 03-14-96 12:13:31 PM page 2

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0495	.0126	2.594	2.530	18.48	.1281	.5038
SDev	.0056	.0017	.015	.011	.01	.0031	.0011
%RSD	11.24	13.70	.5805	.4489	.0756	2.449	.2242
#1	-.0433	.0143	2.579	2.526	18.47	.1310	.5025
#2	-.0512	.0127	2.609	2.520	18.49	.1248	.5045
#3	-.0541	.0108	2.595	2.542	18.49	.1286	.5045
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0207	.0452	.9804	2.455	-.4919	1.004	.0320
SDev	.0072	.0059	.0013	.016	.0278	.001	.0119
%RSD	34.61	12.99	.1305	.6583	5.659	.0670	37.26
#1	.0280	.0497	.9792	2.441	-.4759	1.004	.0369
#2	.0138	.0474	.9817	2.472	-.5240	1.005	.0184
#3	.0202	.0386	.9802	2.452	-.4758	1.004	.0407
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0012	.9926	1.969
SDev	.0002	.0017	.003
%RSD	15.93	.1742	.1533
#1	-.0011	.9933	1.966
#2	-.0014	.9938	1.972
#3	-.0011	.9906	1.970
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report QC Standard Thu 03-14-96 12:13:31 PM page 1

Method: ICP1A Sample Name: QC_MCVA1 960226I901 Operator: DRS
Run Time: 03/14/96 12:12:12
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 3/14/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4787	10.01	2.584	2.096	.4917	.0946	24.07
SDev	.0010	.02	.006	.003	.0010	.0001	.09
%RSD	.2035	.1794	.2365	.1647	.2081	.1595	.3622
#1	.4776	9.990	2.585	2.094	.4906	.0945	24.00
#2	.4794	10.02	2.578	2.094	.4926	.0948	24.03
#3	.4790	10.02	2.590	2.100	.4918	.0946	24.17
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.16	.4777	-.0301	.9904	.9941	.9474	-.0062
SDev	.02	.0025	.0005	.0014	.0024	.0019	.0002
%RSD	.0828	.5291	1.744	.1411	.2422	.2044	3.853
#1	25.14	.4749	-.0297	.9892	.9915	.9452	-.0061
#2	25.17	.4784	-.0300	.9919	.9963	.9488	-.0065
#3	25.17	.4798	-.0307	.9901	.9943	.9483	-.0060
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	19.99	24.25	-.0050	2.050	31.98	.5150
SDev	.0001	.03	.21	.0008	.006	.05	.0003
%RSD	70.12	.1254	.8612	15.64	.2995	.1688	.0655
#1	-.0000	19.96	24.09	-.0050	2.052	31.92	.5147
#2	-.0002	20.01	24.49	-.0058	2.055	32.02	.5149
#3	-.0003	20.01	24.16	-.0042	2.043	31.99	.5154
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9989	36.74	-.0340	.9996	4.945	2.421	-.1325
SDev	.0018	.16	.0020	.0040	.031	.007	.0069
%RSD	.1833	.4377	5.986	.4000	.6229	.2839	5.203
#1	.9969	36.55	-.0342	.9963	4.966	2.429	-.1247
#2	.9995	36.85	-.0359	1.004	4.909	2.417	-.1351
#3	1.000	36.81	-.0319	.9984	4.959	2.417	-.1377
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Analysis Report Thu 03-14-96 12:17:38 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/14/96 12:16:19
Comment: HYD.FLUID (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0071	-.0116	.0034	-.0000	-.0000	.0120
SDev	.0009	.0016	.0105	.0012	.0002	.0000	.0039
%RSD	171.6	23.00	90.80	34.59	704.9	431.7	32.69
#1	-.0008	.0070	-.0024	.0042	.0001	.0000	.0134
#2	.0005	.0055	-.0230	.0041	.0001	.0000	.0151
#3	-.0011	.0088	-.0093	.0021	-.0002	-.0000	.0076

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0131	-.0001	-.0038	.0002	-.0006	.0000	-.0008
SDev	.0023	.0022	.0047	.0006	.0018	.0016	.0006
%RSD	17.54	2269.	124.9	357.9	312.1	5312.	83.57
#1	.0150	-.0005	-.0067	.0003	.0014	-.0016	-.0015
#2	.0138	-.0020	.0017	.0007	-.0013	.0017	-.0002
#3	.0106	.0022	-.0063	-.0005	-.0018	-.0000	-.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0034	-.2761	-.0009	.0100	.0117	.0001
SDev	.0002	.0016	.1281	.0011	.0029	.0067	.0003
%RSD	119.1	47.59	46.40	121.8	29.17	57.57	267.4
#1	-.0003	.0037	-.3912	-.0008	.0103	.0160	-.0002
#2	.0001	.0049	-.1381	.0002	.0128	.0150	.0001
#3	-.0003	.0017	-.2992	-.0020	.0069	.0039	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0028	-.0050	-.0036	-.0174	-.0093	-.0093
SDev	.0003	.0159	.0035	.0014	.0106	.0075	.0169
%RSD	29.17	570.5	69.82	38.75	61.04	80.75	181.8
#1	-.0009	.0064	-.0071	-.0050	-.0127	-.0101	-.0057
#2	-.0009	.0064	-.0010	-.0022	-.0296	-.0014	.0055
#3	-.0014	-.0212	-.0070	-.0036	-.0100	-.0164	-.0276

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-.0006	.0018	.0191	.0005	-.0250	.0001
SDev	.0041	.0016	.0043	.0028	.0033	.0317	.0001
%RSD	139.4	274.1	244.9	14.86	728.3	126.7	57.50
#1	-.0073	-.0019	-.0031	.0207	-.0018	-.0408	.0001
#2	.0009	.0012	.0052	.0158	.0043	.0115	.0002
#3	-.0025	-.0011	.0032	.0208	-.0010	-.0457	.0001

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	-.0014	-.0002	.0034	-.0931	-.0005	-.0086
SDev	.0016	.0053	.0002	.0049	.0681	.0004	.0090

%RSD	55.85	370.1	118.8	142.4	73.19	81.50	105.5
#1	-.0036	-.0069	-.0002	.0089	-.1212	-.0008	-.0128
#2	-.0010	-.0010	.0000	-.0006	-.0154	-.0000	.0018
#3	-.0040	.0037	-.0005	.0021	-.1426	-.0006	-.0147

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0006	-.0004	-.0004
SDev	.0004	.0003	.0005
%RSD	60.68	82.26	122.4
#1	-.0011	-.0007	-.0001
#2	-.0005	-.0004	-.0002
#3	-.0004	-.0001	-.0011

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Method: ICP1A Sample Name: 96-2989-BLK Operator: DRS
Run Time: 03/14/96 12:18:34
Comment: PROCESS BLANK (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	.0639	.0129	.0922	.0894	-.0001	-.0038
SDev	.0011	.0089	.0090	.0006	.0005	.0001	.0144
%RSD	34.26	13.84	69.82	.6759	.5322	79.11	377.3
#1	-.0028	.0714	.0100	.0920	.0890	-.0000	.0062
#2	-.0022	.0662	.0057	.0929	.0894	-.0001	.0027
#3	-.0042	.0541	.0229	.0917	.0899	-.0001	-.0204

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2040	-.0044	-.0279	-.0034	.0006	.0035	-.0037
SDev	.0018	.0008	.0031	.0007	.0017	.0004	.0008
%RSD	.8558	17.97	11.27	19.60	286.3	12.69	22.17
#1	.2047	-.0050	-.0264	-.0041	.0006	.0034	-.0034
#2	.2052	-.0035	-.0257	-.0034	.0023	.0040	-.0031
#3	.2020	-.0046	-.0315	-.0028	-.0011	.0031	-.0047

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0933	-.6674	-.0069	.0026	.0595	.0026
SDev	.0003	.0012	.1827	.0008	.0010	.0048	.0001
%RSD	25.49	1.321	27.37	11.81	37.50	8.030	2.981
#1	-.0011	.0919	-.5293	-.0072	.0036	.0559	.0027
#2	-.0009	.0940	-.5983	-.0059	.0016	.0649	.0027
#3	-.0015	.0941	-.8745	-.0074	.0026	.0578	.0025

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	1.608	-.0261	-.0050	-.0123	-.0160	-.0599
SDev	.0003	.031	.0066	.0014	.0060	.0071	.0122
%RSD	16.56	1.954	25.14	27.97	48.63	44.39	20.33
#1	-.0021	1.634	-.0241	-.0050	-.0190	-.0085	-.0521
#2	-.0021	1.573	-.0207	-.0036	-.0100	-.0168	-.0537
#3	-.0016	1.617	-.0334	-.0064	-.0078	-.0227	-.0739

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0285	-.0078	-.0089	.0063	.0581	-.0785	.0014
SDev	.0080	.0033	.0070	.0118	.0038	.0280	.0001
%RSD	27.90	41.67	78.13	185.8	6.612	35.70	8.518
#1	-.0226	-.0112	-.0009	-.0073	.0571	-.0598	.0016
#2	-.0254	-.0046	-.0121	.0127	.0624	-.0650	.0014
#3	-.0375	-.0076	-.0137	.0136	.0549	-.1107	.0013

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0063	-.0029	-.0005	-.0031	-.3435	-.0025	-.0106
SDev	.0022	.0057	.0003	.0017	.0417	.0007	.0080

%RSD	34.33	197.0	56.28	56.96	12.12	27.11	75.88
#1	-.0088	-.0027	-.0002	-.0011	-.3012	-.0020	-.0162
#2	-.0056	.0027	-.0006	-.0035	-.3450	-.0023	-.0014
#3	-.0046	-.0087	-.0007	-.0045	-.3845	-.0033	-.0141

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0015	.0686	-.0031
SDev	.0004	.0023	.0001
%RSD	24.97	3.321	2.070
#1	-.0013	.0662	-.0031
#2	-.0013	.0687	-.0031
#3	-.0020	.0708	-.0032

Analysis Report Thu 03-14-96 12:23:36 PM page 1

Method: ICP1A Sample Name: 96-2989 @5 Operator: DRS
Run Time: 03/14/96 12:22:17
Comment: 126.1DL.D @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	108.0	.2985	.9758	.0275	.0061	.2764
SDev	.0002	.2	.0184	.0048	.0002	.0000	.0086
%RSD	3.318	.2315	6.151	.4930	.5683	.5559	3.122
#1	.0064	107.7	.3091	.9725	.0274	.0061	.2811
#2	.0062	108.1	.3090	.9814	.0274	.0061	.2816
#3	.0066	108.1	.2773	.9736	.0277	.0061	.2664

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9698	.0706	.0474	.0190	99.82	.0782	.0052
SDev	.0036	.0043	.0031	.0011	.17	.0011	.0003
%RSD	.3700	6.102	6.538	6.042	.1707	1.472	6.787
#1	.9657	.0679	.0438	.0204	99.63	.0789	.0048
#2	.9723	.0756	.0490	.0182	99.87	.0769	.0053
#3	.9715	.0684	.0494	.0185	99.96	.0789	.0054

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0181	.0837	74.45	.0133	.0414	.0243	.0082
SDev	.0001	.0006	.31	.0010	.0005	.0032	.0002
%RSD	.6169	.6981	.4182	7.461	1.172	13.23	2.929
#1	.0180	.0841	74.15	.0143	.0409	.0280	.0082
#2	.0180	.0839	74.42	.0123	.0419	.0224	.0079
#3	.0182	.0830	74.77	.0135	.0414	.0226	.0084

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.197	4286.	.0302	.5186	76.27	.4181	-.0487
SDev	.006	11.	.0039	.0005	.17	.0038	.0091
%RSD	.5143	.2506	12.79	.1036	.2214	.9037	18.60
#1	1.191	4274.	.0298	.5187	76.11	.4151	-.0456
#2	1.198	4290.	.0265	.5191	76.25	.4224	-.0589
#3	1.203	4295.	.0342	.5180	76.45	.4169	-.0416

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2235	.3094	.2691	.4402	2.033	.4755	.0031
SDev	.0037	.0034	.0195	.0016	.025	.0153	.0001
%RSD	1.661	1.094	7.250	.3732	1.214	3.217	2.299
#1	.2218	.3061	.2667	.4383	2.006	.4578	.0030
#2	.2277	.3129	.2509	.4410	2.037	.4848	.0030
#3	.2209	.3094	.2897	.4413	2.055	.4838	.0031

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2543	.4669	.0040	.1079	.2575	.0576	1.431
SDev	.0095	.0095	.0007	.0031	.0329	.0004	.021

%RSD	3.743	2.029	17.78	2.882	12.78	.6987	1.499
#1	.2591	.4580	.0048	.1044	.2935	.0572	1.417
#2	.2433	.4769	.0039	.1088	.2291	.0577	1.421
#3	.2604	.4659	.0034	.1104	.2499	.0579	1.456

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0032	.0495	-.0189
SDev	.0004	.0020	.0005
%RSD	11.32	4.099	2.648
#1	.0028	.0502	-.0189
#2	.0032	.0472	-.0194
#3	.0035	.0511	-.0184

Analysis Report Thu 03-14-96 12:30:00 PM page 1

Method: ICP1A Sample Name: 96-2989 @50 Operator: DRS
Run Time: 03/14/96 12:28:41
Comment: 126.1DL.D @50X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	11.37	.0115	.1035	.0025	.0006	.0319
SDev	.0006	.04	.0081	.0010	.0001	.0000	.0120
%RSD	31.00	.3850	70.57	.9954	3.178	5.714	37.66
#1	-.0012	11.32	.0067	.1046	.0024	.0006	.0334
#2	-.0020	11.39	.0070	.1026	.0025	.0006	.0192
#3	-.0023	11.41	.0210	.1032	.0025	.0005	.0431

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0655	.0013	-.0148	-.0008	10.95	.0066	-.0016
SDev	.0010	.0008	.0046	.0006	.02	.0018	.0004
%RSD	1.595	63.76	31.10	84.77	.2275	26.65	22.28
#1	.0643	.0021	-.0107	-.0004	10.92	.0084	-.0013
#2	.0660	.0004	-.0198	-.0004	10.95	.0049	-.0020
#3	.0662	.0014	-.0139	-.0015	10.97	.0064	-.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0008	7.188	-.0027	.0039	-.0178	.0006
SDev	.0003	.0008	.066	.0009	.0012	.0042	.0001
%RSD	30.02	93.30	.9243	32.26	31.46	23.75	14.72
#1	.0012	.0006	7.226	-.0030	.0050	-.0143	.0007
#2	.0007	.0017	7.226	-.0033	.0040	-.0167	.0006
#3	.0014	.0002	7.111	-.0017	.0026	-.0225	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1280	532.5	-.0127	.0495	7.766	.0247	-.0399
SDev	.0004	1.8	.0030	.0027	.109	.0076	.0039
%RSD	.3323	.3474	23.58	5.551	1.400	30.70	9.786
#1	.1283	530.3	-.0106	.0527	7.674	.0330	-.0408
#2	.1275	533.5	-.0113	.0477	7.886	.0227	-.0433
#3	.1281	533.6	-.0161	.0481	7.738	.0183	-.0357

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	.0246	.0276	.0462	.2016	.0044	.0000
SDev	.0015	.0031	.0087	.0047	.0005	.0132	.0001
%RSD	30.29	12.49	31.44	10.15	.2441	297.2	169.4
#1	.0042	.0272	.0188	.0416	.2019	.0043	.0001
#2	.0039	.0254	.0280	.0509	.2019	.0176	.0001
#3	.0066	.0212	.0362	.0461	.2011	-.0087	-.0000

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0127	.0445	-.0008	.0093	-.1909	.0041	.1400
SDev	.0060	.0119	.0002	.0082	.0109	.0005	.0102

%RSD	47.45	26.74	21.58	88.86	5.687	12.88	7.280
#1	.0183	.0580	-.0009	.0085	-.1917	.0044	.1332
#2	.0063	.0402	-.0006	.0014	-.2013	.0044	.1351
#3	.0135	.0354	-.0009	.0178	-.1796	.0035	.1517

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0009	.0040	-.0040
SDev	.0002	.0004	.0005
%RSD	21.54	9.719	11.82
#1	-.0007	.0036	-.0046
#2	-.0010	.0043	-.0036
#3	-.0010	.0040	-.0039

Analysis Report Thu 03-14-96 12:39:02 PM page 1

Method: ICP1A Sample Name: 96-2990 @50 Operator: DRS
Run Time: 03/14/96 12:37:43
Comment: 126.2DL.D @50X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	11.45	.0243	.1231	.0016	.0007	.0243
SDev	.0004	.06	.0108	.0014	.0001	.0000	.0124
%RSD	43.07	.5352	44.66	1.117	4.878	1.821	51.01
#1	-.0006	11.42	.0168	.1232	.0017	.0007	.0322
#2	-.0010	11.41	.0367	.1217	.0016	.0006	.0308
#3	-.0014	11.52	.0193	.1245	.0016	.0007	.0100

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0115	.0007	-.0083	-.0013	13.70	-.0022	-.0014
SDev	.0013	.0010	.0082	.0009	.05	.0015	.0002
%RSD	11.36	140.9	98.73	72.77	.3739	69.15	10.66
#1	.0123	.0018	-.0000	-.0005	13.65	-.0014	-.0013
#2	.0121	-.0001	-.0085	-.0011	13.70	-.0012	-.0015
#3	.0100	.0004	-.0164	-.0023	13.76	-.0039	-.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.0024	7.663	-.0027	.1459	-.0177	.0006
SDev	.0003	.0007	.151	.0020	.0025	.0083	.0000
%RSD	19.80	29.50	1.969	73.30	1.705	46.96	5.777
#1	.0016	-.0018	7.686	-.0021	.1466	-.0088	.0006
#2	.0018	-.0022	7.801	-.0011	.1480	-.0193	.0005
#3	.0012	-.0031	7.502	-.0049	.1432	-.0252	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1349	545.5	-.0117	.0047	6.164	.0290	-.0435
SDev	.0019	3.4	.0072	.0030	.033	.0037	.0185
%RSD	1.396	.6274	61.65	63.66	.5318	12.82	42.56
#1	.1342	543.4	-.0110	.0076	6.196	.0282	-.0354
#2	.1334	543.6	-.0049	.0048	6.130	.0331	-.0304
#3	.1370	549.4	-.0193	.0017	6.165	.0258	-.0647

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0125	.0232	.0269	.0567	.3899	.0077	-.0000
SDev	.0011	.0038	.0109	.0112	.0060	.0185	.0000
%RSD	8.784	16.45	40.38	19.73	1.532	238.4	2.200
#1	.0136	.0214	.0386	.0599	.3877	.0011	-.0000
#2	.0124	.0276	.0172	.0443	.3854	.0286	-.0000
#3	.0114	.0206	.0247	.0659	.3967	-.0065	-.0000

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	.0580	-.0008	.0079	-.1719	.0066	.1164
SDev	.0065	.0064	.0003	.0050	.0817	.0006	.0111

%RSD	37.12	11.10	39.79	63.37	47.55	8.282	9.550
#1	.0247	.0616	-.0006	.0045	-.2004	.0066	.1053
#2	.0162	.0506	-.0007	.0136	-.0797	.0072	.1275
#3	.0119	.0620	-.0011	.0055	-.2356	.0061	.1165

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0005	.0051	-.0051
SDev	.0005	.0008	.0008
%RSD	103.7	16.45	15.11
#1	-.0003	.0042	-.0052
#2	-.0001	.0053	-.0043
#3	-.0010	.0059	-.0058

Analysis Report Thu 03-14-96 12:43:14 PM page 1

Method: ICP1A Sample Name: 96-2990 @5 Operator: DRS
Run Time: 03/14/96 12:41:55
Comment: 126.2DL.D @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	112.1	.3590	1.233	.0209	.0074	.2395
SDev	.0000	.4	.0076	.008	.0002	.0001	.0011
%RSD	.4964	.3490	2.112	.6281	.7490	.8429	.4527
#1	.0065	111.7	.3664	1.226	.0208	.0074	.2383
#2	.0065	112.1	.3593	1.241	.0211	.0075	.2397
#3	.0065	112.4	.3513	1.233	.0208	.0075	.2405

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4719	.0253	.0483	.0092	126.6	-.0003	.0053
SDev	.0032	.0013	.0048	.0005	.4	.0006	.0001
%RSD	.6859	5.125	10.00	5.091	.3352	215.3	2.288
#1	.4694	.0243	.0449	.0097	126.1	-.0003	.0054
#2	.4707	.0267	.0462	.0089	126.7	.0004	.0051
#3	.4755	.0248	.0538	.0089	126.9	-.0008	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0226	.0538	81.21	.0079	1.432	.0255	.0084
SDev	.0001	.0014	.24	.0005	.003	.0081	.0007
%RSD	.5125	2.667	.2985	6.023	.1865	31.98	8.693
#1	.0225	.0531	80.96	.0080	1.432	.0344	.0077
#2	.0227	.0529	81.23	.0082	1.429	.0235	.0091
#3	.0227	.0555	81.44	.0073	1.434	.0185	.0083

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.318	4472.	.0242	.1463	62.71	.4123	-.1498
SDev	.008	11.	.0047	.0015	.21	.0036	.0111
%RSD	.6361	.2530	19.65	1.001	.3411	.8674	7.376
#1	1.309	4459.	.0215	.1459	62.47	.4082	-.1558
#2	1.319	4477.	.0297	.1452	62.76	.4139	-.1371
#3	1.325	4480.	.0214	.1480	62.89	.4148	-.1566

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2473	.2726	.3502	.4579	4.167	.5308	.0021
SDev	.0012	.0013	.0052	.0112	.056	.0150	.0001
%RSD	.4813	.4664	1.478	2.450	1.351	2.819	3.416
#1	.2485	.2721	.3500	.4453	4.109	.5149	.0022
#2	.2473	.2716	.3554	.4667	4.173	.5330	.0020
#3	.2462	.2740	.3451	.4617	4.221	.5445	.0020

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2720	.6752	.0046	.1329	.2077	.0797	1.232
SDev	.0007	.0112	.0003	.0135	.0581	.0004	.021

%RSD	.2618	1.657	6.023	10.14	27.97	.5219	1.707
#1	.2717	.6760	.0048	.1307	.1421	.0797	1.223
#2	.2728	.6637	.0043	.1474	.2284	.0801	1.217
#3	.2714	.6860	.0046	.1206	.2526	.0793	1.256

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0032	.0599	-.0366
SDev	.0000	.0015	.0006
%RSD	1.161	2.493	1.766
#1	.0033	.0582	-.0368
#2	.0032	.0605	-.0359
#3	.0032	.0609	-.0372

Analysis Report Thu 03-14-96 12:47:58 PM page 1

Method: ICP1A Sample Name: 96-2992 @50 Operator: DRS
Run Time: 03/14/96 12:46:39
Comment: 127.2DL.D @50X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	2.070	-.0015	.1379	.0017	.0002	.0062
SDev	.0005	.018	.0086	.0054	.0000	.0000	.0102
%RSD	21.81	.8817	568.4	3.894	.0000	15.28	165.2
#1	-.0018	2.061	.0074	.1327	.0017	.0002	-.0014
#2	-.0026	2.091	-.0023	.1378	.0017	.0002	.0177
#3	-.0028	2.059	-.0096	.1434	.0017	.0003	.0022

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0129	-.0002	-.0242	-.0026	6.863	-.0031	-.0031
SDev	.0002	.0023	.0052	.0006	.040	.0007	.0004
%RSD	1.543	938.0	21.55	23.33	.5763	23.71	14.15
#1	-.0127	-.0009	-.0188	-.0022	6.824	-.0023	-.0027
#2	-.0129	-.0022	-.0292	-.0033	6.903	-.0031	-.0036
#3	-.0131	.0023	-.0245	-.0022	6.862	-.0038	-.0032

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0053	2.884	-.0050	3.237	-.0142	-.0001
SDev	.0002	.0005	.127	.0008	.029	.0024	.0001
%RSD	274.9	9.663	4.394	16.09	.9039	17.10	119.2
#1	.0001	-.0058	2.969	-.0041	3.205	-.0168	.0000
#2	-.0003	-.0048	2.738	-.0051	3.262	-.0138	-.0001
#3	-.0001	-.0054	2.946	-.0057	3.244	-.0120	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0581	279.9	-.0220	-.0001	4.630	-.0096	-.0587
SDev	.0007	2.2	.0065	.0037	.039	.0067	.0061
%RSD	1.188	.7736	29.74	3334.	.8505	69.86	10.46
#1	.0574	277.8	-.0200	.0024	4.638	-.0072	-.0519
#2	.0583	282.1	-.0293	-.0043	4.665	-.0171	-.0602
#3	.0587	279.9	-.0167	.0016	4.588	-.0044	-.0639

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0179	.0050	.0137	.0113	.3176	-.0603	-.0003
SDev	.0083	.0045	.0044	.0068	.0002	.0217	.0001
%RSD	46.12	89.08	31.94	60.07	.0659	35.90	21.54
#1	-.0098	.0093	.0099	.0120	.3178	-.0800	-.0003
#2	-.0263	.0003	.0128	.0042	.3174	-.0640	-.0004
#3	-.0177	.0055	.0185	.0177	.3175	-.0371	-.0003

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0084	.0272	-.0014	-.0032	-.3800	.0029	.0577
SDev	.0042	.0036	.0002	.0029	.0442	.0004	.0132

%RSD	50.04	13.26	14.32	91.12	11.62	13.42	22.90
#1	-.0096	.0246	-.0012	-.0022	-.3351	.0033	.0724
#2	-.0118	.0255	-.0016	-.0064	-.4234	.0025	.0542
#3	-.0037	.0313	-.0015	-.0009	-.3813	.0030	.0466

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0012	-.0011	-.0045
SDev	.0004	.0004	.0002
%RSD	32.78	39.20	4.818
#1	-.0010	-.0007	-.0044
#2	-.0016	-.0009	-.0047
#3	-.0009	-.0016	-.0044

Analysis Report Thu 03-14-96 12:53:10 PM page 1

Method: ICP1A Sample Name: 96-2992 @5 Operator: DRS
Run Time: 03/14/96 12:51:51
Comment: 127.2DL.D @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	19.86	.1530	1.385	.0239	.0035	.1190
SDev	.0002	.07	.0089	.011	.0001	.0000	.0099
%RSD	4.011	.3446	5.809	.8111	.5666	1.019	8.293
#1	.0041	19.82	.1588	1.389	.0239	.0035	.1109
#2	.0041	19.94	.1427	1.395	.0241	.0035	.1300
#3	.0043	19.82	.1574	1.373	.0238	.0035	.1162

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2513	.0201	.0235	.0040	64.87	.0031	.0031
SDev	.0007	.0067	.0009	.0008	.22	.0013	.0005
%RSD	.2905	33.25	3.710	20.01	.3369	40.31	14.77
#1	.2505	.0136	.0234	.0033	64.67	.0031	.0026
#2	.2520	.0197	.0227	.0039	65.11	.0019	.0032
#3	.2515	.0270	.0245	.0049	64.84	.0044	.0035

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0114	.0318	36.41	.0046	30.90	.0099	.0033
SDev	.0001	.0004	.02	.0003	.11	.0051	.0001
%RSD	.9006	1.170	.0632	6.826	.3502	51.68	2.776
#1	.0113	.0321	36.38	.0048	30.86	.0059	.0034
#2	.0115	.0314	36.41	.0048	31.02	.0081	.0032
#3	.0115	.0319	36.43	.0043	30.81	.0156	.0033

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5913	2507.	.0129	.0856	46.52	.1134	-.0382
SDev	.0026	7.	.0067	.0033	.22	.0055	.0063
%RSD	.4408	.2682	52.27	3.907	.4692	4.853	16.47
#1	.5889	2505.	.0056	.0889	46.38	.1077	-.0426
#2	.5941	2515.	.0142	.0857	46.77	.1140	-.0310
#3	.5910	2502.	.0188	.0822	46.41	.1186	-.0410

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1173	.1409	.1501	.1341	2.944	.2376	.0009
SDev	.0029	.0034	.0196	.0179	.010	.0289	.0000
%RSD	2.516	2.423	13.03	13.34	.3432	12.18	.0879
#1	.1148	.1373	.1727	.1154	2.933	.2447	.0009
#2	.1166	.1413	.1388	.1510	2.951	.2058	.0009
#3	.1206	.1441	.1389	.1360	2.949	.2623	.0009

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0894	.2821	.0018	.0594	.1973	.0517	.6228
SDev	.0052	.0155	.0004	.0059	.0411	.0003	.0157

%RSD	5.864	5.508	21.86	9.942	20.82	.6551	2.521
#1	.0895	.2944	.0019	.0526	.1501	.0517	.6235
#2	.0945	.2646	.0014	.0634	.2174	.0514	.6068
#3	.0840	.2872	.0022	.0621	.2246	.0521	.6382

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0017	.0080	-.0144
SDev	.0002	.0011	.0014
%RSD	12.48	13.48	9.705
#1	.0019	.0090	-.0157
#2	.0015	.0069	-.0129
#3	.0018	.0080	-.0146

Analysis Report Thu 03-14-96 12:58:02 PM page 1

Method: ICP1A Sample Name: Na @1000 PPM Operator: DRS
Run Time: 03/14/96 12:56:43
Comment: Na IEC 9506221124 @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0174	.0100	-.0010	.0001	-.0000	-.0003
SDev	.0007	.0020	.0048	.0046	.0000	.0000	.0041
%RSD	475.4	11.26	48.33	451.6	.0000	39.09	1284.
#1	-.0006	.0164	.0155	-.0049	.0001	-.0000	-.0049
#2	.0008	.0197	.0080	-.0023	.0001	-.0000	.0009
#3	.0002	.0162	.0064	.0041	.0001	-.0000	.0031

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0114	-.0001	.0002	.0006	.0216	.0020	.0011
SDev	.0004	.0024	.0045	.0005	.0030	.0009	.0005
%RSD	3.805	3244.	1876.	84.70	13.97	42.78	43.64
#1	-.0115	-.0010	-.0028	.0002	.0218	.0010	.0008
#2	-.0118	.0027	-.0018	.0005	.0244	.0025	.0016
#3	-.0109	-.0019	.0054	.0012	.0184	.0025	.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0066	-.1918	.0012	.0113	-.0070	.0002
SDev	.0002	.0006	.0266	.0007	.0013	.0056	.0003
%RSD	77.55	8.832	13.86	56.22	11.34	79.46	118.0
#1	.0001	-.0071	-.2071	.0004	.0099	-.0056	.0001
#2	.0003	-.0068	-.2071	.0017	.0118	-.0132	.0006
#3	.0005	-.0059	-.1611	.0016	.0123	-.0023	.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	992.9	.0056	-.0069	.0134	-.0032	.0191
SDev	.0013	.7	.0027	.0017	.0114	.0066	.0046
%RSD	595.2	.0717	47.17	24.05	84.87	204.9	23.99
#1	.0008	993.6	.0045	-.0075	.0128	-.0002	.0236
#2	.0001	992.2	.0037	-.0050	.0024	.0014	.0145
#3	-.0016	992.9	.0086	-.0082	.0251	-.0108	.0192

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0062	.0110	.0205	.0109	.0258	-.0000
SDev	.0061	.0020	.0133	.0084	.0025	.0169	.0001
%RSD	131.4	32.58	121.0	41.22	23.15	65.54	4585.
#1	.0033	.0083	-.0042	.0117	.0104	.0067	-.0000
#2	-.0007	.0043	.0208	.0211	.0087	.0319	-.0000
#3	.0113	.0060	.0163	.0286	.0137	.0388	.0001

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	-.0035	-.0001	.0037	.0742	.0004	.0030
SDev	.0076	.0054	.0003	.0068	.0140	.0005	.0044

%RSD	317.3	155.0	280.6	181.2	18.85	119.4	144.7
#1	-.0020	-.0097	-.0003	.0077	.0710	-.0001	.0055
#2	.0111	-.0011	-.0002	.0077	.0620	.0006	.0055
#3	-.0020	.0003	.0002	-.0041	.0895	.0007	-.0020

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0002	-.0012	-.0001
SDev	.0000	.0009	.0001
%RSD	7.249	74.56	81.51
#1	.0002	-.0006	-.0000
#2	.0002	-.0023	-.0001
#3	.0002	-.0009	-.0002

Analysis Report QC Standard Thu 03-14-96 01:07:53 PM page 1

Method: ICP1A Sample Name: QC_MCVA1 9602261901 Operator: DRS
Run Time: 03/14/96 13:06:34
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 3/14/9

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4752	9.974	2.581	2.089	.4916	.0944	23.86
SDev	.0020	.046	.029	.005	.0026	.0004	.11
%RSD	.4261	.4576	1.112	.2295	.5212	.4488	.4679
#1	.4761	10.00	2.614	2.090	.4936	.0947	23.98
#2	.4729	9.921	2.566	2.083	.4887	.0939	23.76
#3	.4767	9.999	2.562	2.093	.4925	.0945	23.85
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.96	.4701	-.0549	.9820	.9792	.9330	-.0080
SDev	.07	.0013	.0134	.0038	.0058	.0023	.0013
%RSD	.2848	.2690	24.43	.3857	.5878	.2490	15.85
#1	25.01	.4707	-.0661	.9818	.9775	.9344	-.0088
#2	24.88	.4687	-.0400	.9783	.9744	.9303	-.0066
#3	24.99	.4710	-.0586	.9859	.9856	.9343	-.0087
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	19.89	23.35	-.0098	2.015	31.74	.5100
SDev	.0001	.08	.09	.0010	.016	.10	.0017
%RSD	9.282	.3845	.3731	10.21	.7923	.3015	.3332
#1	-.0012	19.95	23.29	-.0107	2.023	31.81	.5114
#2	-.0010	19.80	23.45	-.0099	1.996	31.63	.5081
#3	-.0012	19.91	23.31	-.0087	2.024	31.77	.5104
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9928	37.02	-.0555	.9868	4.837	2.386	-.1801
SDev	.0071	.27	.0058	.0034	.011	.009	.0172
%RSD	.7160	.7352	10.52	.3394	.2231	.3921	9.568
#1	.9982	37.12	-.0617	.9865	4.844	2.383	-.1985
#2	.9848	36.71	-.0502	.9837	4.825	2.396	-.1642
#3	.9955	37.22	-.0546	.9903	4.843	2.378	-.1777
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0734	.0082	2.536	2.497	18.36	.0613	.5048
SDev	.0053	.0043	.013	.016	.05	.0119	.0027
%RSD	7.250	52.09	.5304	.6524	.2763	19.38	.5452
#1	-.0792	.0035	2.546	2.485	18.39	.0546	.5068
#2	-.0688	.0118	2.521	2.491	18.30	.0750	.5017
#3	-.0721	.0093	2.542	2.516	18.38	.0543	.5060
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	.0501	.9773	2.438	-.7598	.9978	.0189
SDev	.0077	.0075	.0047	.007	.0459	.0040	.0167
%RSD	71.82	14.89	.4829	.2743	6.043	.3994	88.03
#1	.0036	.0586	.9803	2.441	-.8081	.9996	.0023
#2	.0189	.0468	.9719	2.431	-.7167	.9933	.0356
#3	.0098	.0448	.9797	2.444	-.7546	1.001	.0188
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0020	.9891	1.966
SDev	.0002	.0020	.009
%RSD	8.225	.2050	.4541
#1	-.0022	.9910	1.972
#2	-.0020	.9893	1.956
#3	-.0019	.9870	1.971
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report QC Standard Thu 03-14-96 01:12:30 PM page 1

Method: ICP1A Sample Name: QC_MCVB2 960221I901 Operator: DRS
Run Time: 03/14/96 13:11:11
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 3/14/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0075	-.0340	.2904	.1656	-.0002	.0007	.0648
SDev	.0004	.0014	.0057	.0023	.0001	.0000	.0079
%RSD	5.363	4.007	1.962	1.397	49.61	1.048	12.21
#1	-.0079	-.0355	.2966	.1670	-.0002	.0007	.0710
#2	-.0075	-.0336	.2855	.1630	-.0001	.0007	.0674
#3	-.0071	-.0329	.2891	.1670	-.0002	.0007	.0559
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	-.0053	2.016	-.0029	.0033	.0186	2.084
SDev	.0016	.0010	.006	.0005	.0016	.0004	.005
%RSD	46.97	18.70	.3189	18.47	50.37	2.145	.2596
#1	-.0017	-.0053	2.012	-.0025	.0030	.0183	2.080
#2	-.0049	-.0063	2.023	-.0035	.0050	.0191	2.083
#3	-.0039	-.0043	2.013	-.0027	.0018	.0185	2.090
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.106	.0108	-2.163	1.049	-.0055	-.1293	.0006
SDev	.005	.0008	.023	.003	.0012	.0113	.0002
%RSD	.2343	7.587	1.064	.2986	22.21	8.706	27.44
#1	2.102	.0115	-2.163	1.045	-.0057	-.1398	.0004
#2	2.105	.0099	-2.140	1.050	-.0042	-.1308	.0007
#3	2.112	.0108	-2.186	1.051	-.0066	-.1174	.0007
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	.1394	2.048	.0276	.0807	.2059	1.971
SDev	.0011	.0054	.003	.0032	.0070	.0038	.006
%RSD	19.59	3.892	.1381	11.44	8.627	1.836	.3029
#1	.0050	.1341	2.049	.0256	.0826	.2023	1.966
#2	.0053	.1449	2.045	.0259	.0865	.2099	1.969
#3	.0071	.1393	2.050	.0312	.0730	.2055	1.977
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			2.000				

Analysis Report QC Standard Thu 03-14-96 01:12:30 PM page 2

Range 10.00

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.024	2.070	.0919	.0665	7.283	2.116	.0020
SDev	.002	.007	.0073	.0080	.382	.033	.0001
%RSD	.0991	.3235	7.985	12.09	5.251	1.547	3.529
#1	2.022	2.063	.0980	.0626	6.886	2.081	.0020
#2	2.024	2.073	.0837	.0612	7.313	2.146	.0019
#3	2.026	2.076	.0939	.0758	7.649	2.122	.0020
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	2.000	2.000				2.000	
Range	10.00	10.00				10.00	

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.911	10.41	.0025	.0015	23.07	-.0034	2.013
SDev	.010	.02	.0002	.0051	.05	.0001	.012
%RSD	.5311	.2398	9.088	341.6	.2231	3.160	.5956
#1	1.909	10.40	.0025	-.0001	23.02	-.0036	2.002
#2	1.902	10.40	.0023	-.0026	23.12	-.0033	2.013
#3	1.922	10.44	.0027	.0072	23.08	-.0034	2.026
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000	10.00			25.00		2.000
Range	10.00	10.00			10.00		10.00

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.9872	.0038	-.0937
SDev	.0030	.0006	.0009
%RSD	.3040	16.75	1.007
#1	.9844	.0046	-.0936
#2	.9868	.0036	-.0928
#3	.9903	.0033	-.0947
Errors	QC Pass	NOCHECK	NOCHECK
Value	1.000		
Range	10.00		

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Method: ICP1A Sample Name: QC SSTA 9512081902 Operator: DRS
Run Time: 03/14/96 13:14:41
Comment: 127.2DL.D (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0174	265.0	.3996	.0495	.0088	-.0013	202.5
SDev	.0011	1.5	.0095	.0025	.0001	.0000	1.1
%RSD	6.196	.5667	2.366	5.109	.8905	2.779	.5633
#1	-.0181	266.3	.3992	.0508	.0087	-.0013	203.5
#2	-.0161	263.4	.3904	.0511	.0089	-.0013	201.3
#3	-.0178	265.3	.4093	.0466	.0087	-.0012	202.8

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	260.9	.0643	.1437	.0085	.2451	-.1254	.0383
SDev	1.1	.0020	.0069	.0021	.0010	.0024	.0012
%RSD	.4289	3.120	4.800	24.30	.4282	1.896	3.128
#1	261.8	.0650	.1385	.0068	.2463	-.1282	.0375
#2	259.7	.0659	.1412	.0079	.2442	-.1244	.0378
#3	261.3	.0620	.1515	.0108	.2449	-.1237	.0397

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0943	201.9	105.1	55.28	.0325	-.7613	.0213
SDev	.0006	1.0	.5	.33	.0007	.0226	.0004
%RSD	.5921	.4746	.4826	.5900	2.280	2.964	2.078
#1	.0945	202.8	105.3	55.56	.0317	-.7869	.0218
#2	.0936	200.9	104.5	54.92	.0331	-.7445	.0209
#3	.0947	202.1	105.4	55.36	.0326	-.7524	.0213

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1018	.8503	.2407	199.5	210.4	.9810	.6823
SDev	.0002	.0406	.0026	.8	.9	.0075	.0242
%RSD	.1826	4.775	1.076	.3949	.4381	.7637	3.552
#1	.1017	.8044	.2437	200.0	211.2	.9793	.6630
#2	.1020	.8816	.2392	198.6	209.4	.9746	.6744
#3	.1016	.8648	.2392	199.8	210.6	.9892	.7095

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2670	.4064	.4799	1.581	-.3083	3.975	.0200
SDev	.0121	.0064	.0029	.017	.0096	.016	.0001
%RSD	4.515	1.573	.6019	1.055	3.099	.4139	.6119
#1	.2593	.4012	.4823	1.598	-.2982	3.967	.0200
#2	.2608	.4045	.4767	1.565	-.3094	3.965	.0199
#3	.2809	.4135	.4806	1.581	-.3172	3.994	.0201

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6186	1.000	.0005	.3343	206.7	.0478	.5699
SDev	.0112	.028	.0002	.0112	1.1	.0007	.0138

%RSD	1.816	2.763	38.26	3.361	.5109	1.431	2.418
#1	.6066	1.030	.0004	.3215	207.5	.0471	.5855
#2	.6203	.9940	.0003	.3390	205.5	.0481	.5650
#3	.6288	.9761	.0007	.3425	207.0	.0483	.5593

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0226	.0783	-.0318
SDev	.0002	.0037	.0025
%RSD	1.040	4.795	7.990
#1	.0228	.0822	-.0347
#2	.0225	.0747	-.0305
#3	.0224	.0780	-.0301

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Method: ICP1A Sample Name: QC SSTMCV 951208I903 Operator: DRS
Run Time: 03/14/96 13:19:05
Comment: 127.2DL.D (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5173	5.354	2.213	-.0027	.1027	.1014	1.686
SDev	.0047	.058	.021	.0017	.0011	.0011	.035
%RSD	.9134	1.088	.9381	62.78	1.058	1.069	2.065
#1	.5164	5.363	2.226	-.0008	.1028	.1016	1.686
#2	.5224	5.407	2.224	-.0031	.1038	.1024	1.721
#3	.5131	5.292	2.189	-.0040	.1016	.1003	1.652

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.157	.2058	-.0087	-.0026	.3164	-.0037	-.0011
SDev	.024	.0065	.0037	.0015	.0016	.0009	.0006
%RSD	2.080	3.136	42.31	58.25	.5010	25.15	55.17
#1	1.158	.2095	-.0054	-.0016	.3146	-.0036	-.0010
#2	1.180	.2096	-.0127	-.0019	.3173	-.0028	-.0017
#3	1.132	.1984	-.0079	-.0043	.3173	-.0046	-.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	.6146	51.06	.0239	-.0034	-.0906	.1097
SDev	.0001	.0162	.32	.0043	.0007	.0013	.0013
%RSD	1.653	2.628	.6357	17.83	21.82	1.429	1.148
#1	.0069	.6160	51.11	.0247	-.0027	-.0894	.1097
#2	.0069	.6300	51.36	.0278	-.0032	-.0906	.1109
#3	.0071	.5978	50.72	.0193	-.0042	-.0920	.1083

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	5.297	-.0145	.6814	4.238	3.119	-.0751
SDev	.0010	.076	.0050	.0175	.057	.019	.0208
%RSD	28.14	1.442	34.20	2.571	1.350	.5996	27.74
#1	.0029	5.341	-.0117	.6791	4.272	3.131	-.0727
#2	.0030	5.341	-.0202	.6999	4.271	3.128	-.0971
#3	.0047	5.209	-.0116	.6651	4.172	3.097	-.0556

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0132	-.0030	2.220	2.687	2.934	.0399	.0012
SDev	.0053	.0031	.012	.030	.028	.0141	.0001
%RSD	40.53	100.7	.5344	1.099	.9478	35.38	5.744
#1	-.0100	-.0008	2.220	2.697	2.942	.0387	.0012
#2	-.0194	-.0018	2.232	2.710	2.957	.0264	.0012
#3	-.0102	-.0065	2.208	2.654	2.903	.0546	.0013

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	.1112	-.0015	-.0006	20.33	.5340	.0222
SDev	.0046	.0111	.0002	.0070	.14	.0053	.0055

%RSD	114.4	9.954	9.980	1127.	.6688	.9827	24.70
#1	.0009	.1067	-.0016	-.0017	20.36	.5360	.0191
#2	.0019	.1238	-.0016	-.0071	20.44	.5379	.0189
#3	.0092	.1031	-.0014	.0069	20.18	.5280	.0265

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0011	-.0003	.5137
SDev	.0004	.0012	.0049
%RSD	38.11	422.5	.9562
#1	-.0015	.0005	.5148
#2	-.0011	.0003	.5180
#3	-.0006	-.0017	.5084

Analysis Report QC Standard Thu 03-14-96 01:24:47 PM page 1

Method: ICP1A Sample Name: QC_SRM-1643d 108518 Operator: DRS
Run Time: 03/14/96 13:23:28
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0005	Q.1377	Q.0568	.1493	.5059	Q.0121	.0324
SDev	.0007	.0031	.0094	.0029	.0026	.0000	.0127
%RSD	142.0	2.252	16.50	1.932	.5198	.0977	39.15
#1	Q.0000	Q.1355	Q.0577	.1459	.5041	Q.0121	.0269
#2	Q-.0002	Q.1413	Q.0657	.1510	.5045	Q.0121	.0468
#3	Q-.0013	Q.1363	Q.0470	.1509	.5089	Q.0121	.0233
Errors	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail	NOCHECK
Value	.0013	.1276	.0560	.1448	.5065	.0125	
Range	.0570	3.500	.7300	5.200	8.900	.2800	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q31.83	Q.0033	-.0076	.0250	Q.0189	Q.0173	-.0012
SDev	.08	.0011	.0036	.0007	.0005	.0006	.0004
%RSD	.2377	34.17	47.33	2.872	2.767	3.208	32.83
#1	Q31.77	Q.0037	-.0036	Q.0257	Q.0185	Q.0168	-.0011
#2	Q31.82	Q.0020	-.0087	.0249	Q.0195	Q.0179	-.0009
#3	Q31.92	Q.0042	-.0105	Q.0243	Q.0188	Q.0172	-.0016
Errors	QC Fail	QC Fail	NOCHECK	QC Pass	QC Fail	QC Fail	NOCHECK
Value	31.04	.0065		.0250	.0185	.0205	
Range	.6400	.3700		.5900	.2000	3.800	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	Q.1008	Q1.764	.0089	Q.0162	Q8.470	Q.0407
SDev	.0002	.0006	.096	.0009	.0010	.031	.0004
%RSD	42.47	.5673	5.430	9.976	6.000	.3704	.9542
#1	.0007	Q.1013	Q1.841	.0100	Q.0152	Q8.438	Q.0409
#2	.0007	Q.1008	Q1.795	.0083	Q.0171	Q8.471	Q.0402
#3	.0003	Q.1002	Q1.657	.0085	Q.0162	Q8.500	Q.0409
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail
Value		.0912	2.356		.0165	7.989	.0377
Range		3.900	.0350		.5500	.0350	.8300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1113	22.10	.0021	Q.1138	.0096	Q.0117	-.0224
SDev	.0008	.05	.0029	.0038	.0129	.0058	.0069
%RSD	.6919	.2425	141.2	3.342	135.0	49.84	30.70
#1	Q.1109	22.06	.0051	Q.1149	.0206	Q.0162	-.0160
#2	.1121	22.09	.0018	Q.1170	-.0046	Q.0137	-.0217
#3	Q.1107	22.16	-.0007	Q.1096	.0126	Q.0051	-.0297
Errors	QC Pass	QC Pass	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value	.1129	22.07		.0581		.0181	

Analysis Report QC Standard Thu 03-14-96 01:24:47 PM page 2

Range	1.700	.6400		2.700		.6400	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0120	-.0042	0.0711	0.0181	2.683	-.0315	.2991
SDev	.0048	.0015	.0114	.0146	.011	.0382	.0014
%RSD	39.93	36.02	15.98	80.64	.3976	121.2	.4739
#1	-.0107	-.0025	0.0805	0.0299	2.676	-.0091	.2982
#2	-.0079	-.0048	0.0742	0.0018	2.679	-.0099	.2984
#3	-.0172	-.0053	0.0585	0.0226	2.696	-.0756	.3008
Errors	NOCHECK	NOCHECK	QC Fail	QC Fail	NOCHECK	NOCHECK	QC Pass
Value			.0541	.0114			.2948
Range			1.100	.1700			3.400

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0032	-.0109	-.0002	0.0109	.1287	0.0343	.0044
SDev	.0018	.0022	.0001	.0081	.0922	.0006	.0010
%RSD	56.41	19.90	30.85	74.23	71.67	1.827	23.31
#1	-.0020	-.0132	-.0003	0.0079	.2018	.0349	.0056
#2	-.0023	-.0090	-.0003	0.0201	.1592	0.0337	.0037
#3	-.0053	-.0103	-.0002	0.0048	.0251	0.0342	.0039
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value				.0073		.0351	
Range				.2500		1.400	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0001	0.0781	-.0007
SDev	.0004	.0013	.0005
%RSD	557.8	1.644	74.24
#1	.0001	0.0782	-.0006
#2	.0002	0.0768	-.0002
#3	-.0005	0.0794	-.0013
Errors	NOCHECK	QC Fail	NOCHECK
Value		.0725	
Range		.6500	

Analysis Report Thu 03-14-96 01:29:16 PM page 1

Method: ICP1A Sample Name: QC CCV1 960126H901 Operator: DRS
Run Time: 03/14/96 13:27:57
Comment: 127.2DL.D (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	2.001	2.124	2.096	.9802	.9885	1.971
SDev	.0008	.008	.023	.017	.0082	.0065	.013
%RSD	68.87	.3796	1.086	.8049	.8335	.6596	.6719
#1	-.0009	1.999	2.132	2.091	.9793	.9871	1.973
#2	-.0005	1.996	2.098	2.083	.9726	.9827	1.957
#3	-.0020	2.010	2.142	2.115	.9888	.9956	1.984

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.086	1.029	-.0200	1.022	.5005	1.994	-.0009
SDev	.011	.002	.0075	.006	.0047	.017	.0010
%RSD	.5159	.2164	37.51	.5515	.9370	.8523	107.8
#1	2.083	1.029	-.0149	1.019	.4979	1.992	-.0006
#2	2.077	1.026	-.0165	1.018	.4977	1.978	-.0001
#3	2.098	1.031	-.0286	1.029	.5059	2.012	-.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	2.022	4.196	-.0017	2.000	2.083	1.050
SDev	.0001	.012	.174	.0016	.019	.005	.006
%RSD	31.35	.6175	4.153	94.65	.9715	.2364	.5771
#1	-.0003	2.019	4.119	-.0019	1.992	2.087	1.050
#2	-.0003	2.012	4.395	.0000	1.986	2.078	1.044
#3	-.0005	2.036	4.073	-.0031	2.023	2.085	1.056

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.985	8.506	-.0111	2.088	4.949	2.004	-.0275
SDev	.015	.042	.0034	.021	.048	.001	.0048
%RSD	.7363	.4896	31.17	1.002	.9671	.0437	17.62
#1	1.984	8.545	-.0143	2.088	4.913	2.005	-.0293
#2	1.971	8.462	-.0075	2.067	4.931	2.003	-.0220
#3	2.000	8.511	-.0114	2.109	5.003	2.004	-.0311

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0142	.0021	.0148	2.035	4.819	.0229	2.001
SDev	.0115	.0013	.0060	.012	.025	.0311	.016
%RSD	81.38	61.10	40.51	.5937	.5263	135.8	.7913
#1	-.0110	.0007	.0217	2.023	4.807	.0472	1.998
#2	-.0046	.0032	.0123	2.035	4.801	.0337	1.986
#3	-.0270	.0026	.0105	2.047	4.848	-.0122	2.018

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	.0082	-.0006	2.001	-.2038	.9884	.0028
SDev	.0034	.0046	.0002	.025	.0413	.0049	.0017

%RSD	28.80	56.11	31.67	1.249	20.28	.4951	62.69
#1	.0129	.0040	-.0006	2.001	-.2005	.9875	.0046
#2	.0080	.0076	-.0004	1.976	-.1642	.9840	.0026
#3	.0145	.0131	-.0008	2.026	-.2467	.9936	.0011

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0012	1.037	-.0022
SDev	.0002	.004	.0006
%RSD	15.07	.3625	29.89
#1	-.0010	1.034	-.0019
#2	-.0011	1.035	-.0017
#3	-.0014	1.041	-.0029

Analysis Report Thu 03-14-96 01:33:46 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/14/96 13:32:27
Comment: 127.2DL.D (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0041	.0017	-.0008	.0001	.0005	.0058
SDev	.0010	.0030	.0034	.0016	.0002	.0000	.0116
%RSD	79.59	72.45	202.1	206.8	182.7	3.184	200.5
#1	-.0001	.0068	.0007	.0009	.0003	.0005	.0190
#2	-.0015	.0009	.0054	-.0010	-.0001	.0005	.0009
#3	-.0020	.0048	-.0011	-.0021	.0001	.0005	-.0026

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0061	-.0023	-.0113	-.0000	.0000	.0007	-.0009
SDev	.0012	.0027	.0101	.0007	.0017	.0023	.0009
%RSD	19.92	115.5	89.85	4145.	15440.	334.3	108.1
#1	-.0049	-.0037	-.0007	.0004	.0011	.0033	.0002
#2	-.0074	-.0041	-.0209	-.0009	-.0020	-.0004	-.0011
#3	-.0060	.0008	-.0124	.0003	.0009	-.0009	-.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0061	-.5216	-.0017	-.0018	-.0075	.0005
SDev	.0003	.0010	.2317	.0011	.0005	.0042	.0002
%RSD	66.05	16.59	44.41	61.19	27.27	55.74	30.35
#1	-.0001	-.0052	-.2761	-.0006	-.0013	-.0039	.0006
#2	-.0007	-.0072	-.7364	-.0027	-.0023	-.0120	.0007
#3	-.0005	-.0060	-.5523	-.0019	-.0018	-.0064	.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-.0175	-.0094	.0277	-.0226	-.0084	-.0158
SDev	.0006	.0223	.0054	.0027	.0104	.0082	.0142
%RSD	45.16	127.3	57.38	9.594	46.21	97.55	89.54
#1	.0007	-.0047	-.0032	.0305	-.0314	-.0161	-.0011
#2	.0011	-.0046	-.0133	.0273	-.0111	-.0095	-.0294
#3	.0018	-.0432	-.0118	.0252	-.0252	.0003	-.0171

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0075	-.0010	.0027	.0207	-.0156	-.0058	.0009
SDev	.0078	.0021	.0056	.0105	.0036	.0152	.0001
%RSD	103.7	205.7	204.9	50.66	22.79	262.5	7.843
#1	.0014	.0014	-.0011	.0212	-.0115	.0117	.0009
#2	-.0111	-.0021	.0092	.0100	-.0180	-.0134	.0009
#3	-.0128	-.0024	.0002	.0309	-.0174	-.0156	.0008

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	-.0036	-.0008	.0063	-.1384	-.0009	-.0066
SDev	.0061	.0063	.0002	.0069	.0966	.0008	.0158

%RSD	201.3	172.5	28.53	110.5	69.79	86.73	238.8
#1	.0039	-.0018	-.0006	-.0009	-.0269	-.0000	.0074
#2	-.0035	.0015	-.0010	.0068	-.1940	-.0012	-.0035
#3	.0087	-.0106	-.0009	.0130	-.1942	-.0016	-.0238

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0010	-.0007	-.0012
SDev	.0001	.0002	.0008
%RSD	13.94	22.89	66.09
#1	-.0008	-.0006	-.0010
#2	-.0010	-.0009	-.0021
#3	-.0010	-.0005	-.0006

C3 - IC ANALYSIS

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DATE TO QC: 03/26/96

DATA QUALITY REVIEW

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

Analyte - IC/Anions

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2619, 96-2620, 96-2848, 96-2850, 96-2605, 96-2609, 96-2611 thru 96-2618, 96-3365, 96-3366

PNL ACL Quality Representative

3/28/96
Date

Battelle
Pacific Northwest Laboratories

Project Number 22421

Internal Distribution

File/LB

Date March 28, 1996

To Kurt Silvers

From M. O'Neill

Subject Tank BX112; Core 119, 118 and Drainable Liquids

The drainable liquids and core 119 and 118 tank samples were analyzed according to procedure PNL-ALO-212 using IC system 1 (M&TE # WD2513) and IC system 2 (M&TE # WD2514). The drainable liquids include Fld-Blk.F/96-2619, Hyd-Fluid.D Liner/96-2920, 118.1ADL.D/96-2848, and 118.3DL.D/96-2850. The core samples were prepared in the SRPL according to PNL-ALO-110 prior to IC analysis. Core 118 samples include 118.1AA.W/96-2605, 118.1AB.W/96-2606, 118.2A.W/96-2607, 118.2B.W/96-2608, 118.3A.W/96-2609, 118.COMP.W/96-2617, 118.1A.W/96-3365, and 118.1B.W/96-3366. Core 119 samples include 119.1A.W/96-2611, 119.1B.W/96-2612, 119.2A.W/96-2613, 119.2B.W/96-2614, 119.3A.W/96-2615, 119.3B.W/96-2616 and 119.COMP.W/96-2618. All of the samples were filtered through a 0.2 μm filter prior to IC analysis.

IC Calibration Ranges:

IC system 1 and system 2 was calibrated from 0.25 - 7.5 μg/ml for the halides (F, Cl, Br) and 0.5 - 30.0 μg/ml for the oxyanions (NO_2 ,NO_3 ,PO_4 , and SO_4).

Quality Control:

Verification Recoveries:

The continuing calibration "mid" verification standard recovery was within acceptable limits of 100 ± 10%. All analytes in the "high" verification standard were recovered within 100 ± 10%. All analytes in the "low" verification standard were recovered within 100 ± 13%. The "low" and "high" verification standards are used to test the system response using standards at approximately 20% and 80% of the calibration curve, and are analyzed for informational purposes only.

Blank/Matrix Spikes:

For each batch of samples extracted, one blank spike was prepared. The blank spike recoveries of 96-2605-BS and 96-2611-BS were within acceptable limits of 100 ± 20%. For blank spike 96-2617-BS, fluoride, nitrate, phosphate, and sulfate were within acceptable limits. The chloride recoveries were slightly low (79%); however, unexpectedly low recoveries were found for nitrite (48%). No further corrective actions were taken since the analytes were reported for informational purposes only.

E54-1900-001 (10/89)

The phosphate and sulfate recoveries for the matrix spikes 118.2B.W/96-2608, 119.3A.W/96-2615, and 118.COMP.W/96-2617, were within acceptable limits of 100 ± 25%; all other analytes were present in the sample at levels greater than 4 times the spike concentration and therefore could not be calculated.

To estimate the accuracy of the analysis, a post spike was analyzed for samples 118.2A.W/96-2607 and 118.1A.W/96-3365; all recoveries were all within 100 ± 25%.

Relative Percent Difference:

The relative percent difference (RPD) was within acceptable limits of less than 20% for all analytes, except fluoride for samples and duplicates of Hyd-Fluid.D Liner/96-2920, 118.3DL.D/96-2850, 119.3B.W/96-2616, and 118.1B.W/96-3366. Since fluoride was not an analyte of interest, no corrective actions were taken.

Fluoride:

The fluoride reported for these tank samples is biased high because method PNL-ALO-212 does not currently use gradient elution which is needed to fully separate fluoride from the organic anions acetate and formate.

Bromide/Nitrate:

The nitrate and bromide peaks were difficult to resolve completely for these tank samples, especially at higher injection volumes, because of the high concentration of nitrate relative to bromide.

The results for the samples are reported on the accompanying data report sheets. All sample and QC results can be found in system file: IC-325-400 System 1 File# 96.16 and System 2 File# 96.09.

M. O'Neill
MM O'Neill

Concur: MW Thu 3/28/96

Anion concentrations in samples from Tank BX112 This Data Summary sheet is not complete without narrative

Results are archived in System File IC-325-400-System 1 File #: 96.16 and System 2 File#: 96.09.

ALO #	CLIENT ID	FLUORIDE	% RPD	CHLORIDE	% RPD	NITRITE	% RPD	BROMIDE	% RPD	NITRATE	% RPD	PHOSPHATE	% RPD	SULFATE	% RPD
		For the samples Listed below, units are in ug/g													
96-2614	119.2B.W	10500		1100		25000		<800		76000		16000		7000	
DUP96-2614	119.2B.W	10900	3.7	1100	0.0	25000	0.0	<800		77000	1.3	16000	0.0	7000	0.0
96-2615	119.3A.W	10700		1100		26000		<800		77000		14000		7000	
DUP96-2615	119.3A.W	10400	2.8	1100	0.0	26000	0.0	<800		77000	0.0	14000	0.0	7000	0.0
96-2616	119.3B.W	11200		1000		24000		1400		73000		14000		6000	
DUP96-2616	119.3B.W	14700	27.0	1000	0.0	25000	4.1	1300	7.4	73000	0.0	13000	7.4	7000	15.4
(1) 96-2617-BLK	Process Blnk	<0.25		0.4		<0.50		<0.25		1.2		<0.50		0.6	
(2) 96-2617-BLK	Process Blnk	<20		40		<50		<20		110		<50		50	
96-2617	118.COMP.W	9200		970		24200		840		67000		15300		5900	
DUP96-2617	118.COMP.W	9300	1.1	1100	12.6	24000	0.8	1000	17.4	68000	1.5	15000	2.0	6000	1.7
96-2618	119.COMP.W	11500		1000		21000		<800		67000		15000		6000	
DUP96-2618	119.COMP.W	11500	0.0	1000	0.0	21000	0.0	<700		66000	1.5	15000	0.0	6000	0.0
96-3365	118.1A.W	9100		1100		23000		<800		68000		13000		6000	
DUP96-3365	118.1A.W	8800	3.4	1100	0.0	23000	0.0	<800		69000	1.5	13000	0.0	6000	0.0
96-3366	118.1B.W	8800		1100		23000		<700		67000		15000		5000	
DUP96-3366	118.1B.W	7000	22.8	1100	0.0	24000	4.3	<700		69000	2.9	14000	6.9	6000	18.2

(1) Values are reported in ug/ml.

(2) The 96-2617-Blk concentrations in ug/ml were converted to ug/g using the process factor 90.4 (avg. process factor for samples extracted with blank).

Blank Spike and Matrix Spike Percent Recoveries

ALO #	CLIENT ID							
MS96-2608	118.2B.W	NA	NA	NA	Not Spiked	NA	90	105
MS96-2615	119.3A.W	NA	NA	NA	Not Spiked	NA	96	109
MS96-2617	118.COMP.W	NA	NA	NA	Not Spiked	NA	79	86
96-2605-BS		108	93	103	Not Spiked	97	96	105
96-2611-BS		107	91	100	Not Spiked	96	96	99
96-2617-BS		92	79	48	Not Spiked	94	90	88
(3) MS96-2607	118.2A.W	92	83	91	91	97	85	85
(3) MS96-3365	118.1A.W	88	82	85	92	90	82	84

NA: The percent recovery data is Not Available. The analyte concentration in the spike is less than 25% of the analyte concentration in the sample

(3) Post matrix spike recoveries

Anion concentrations in samples from Tank BX112 This Data Summary sheet is not complete without narrative

Results are archived in System File IC-325-400-System 1 File #: 96.16 and System 2 File#: 96.09.

ALO #	CLIENT ID	FLUORIDE	% RPD	CHLORIDE	% RPD	NITRITE	% RPD	BROMIDE	% RPD	NITRATE	% RPD	PHOSPHATE	% RPD	SULFATE	% RPD
		For the samples Listed below, units are in ug/ml													
96-2619	FLD-BLK.F	5.3		0.9		12.4		1.2		31		11.0		4.7	
DUP96-2619	FLD-BLK.F	5.3	0	0.9	0	12.4	0	1.2	0	32	3.2	11.1	0.9	4.7	0.0
96-2620	HYD-FLUID.D LINER	100		100		2400		20100		6100		440		530	
DUP96-2620	HYD-FLUID.D LINER	130	26.1	110	9.5	2540	5.7	20700	2.9	6400	4.8	470	6.6	570	7.3
96-2848 BLK	Dil. Blank	<0.25		0.4		<0.50		<0.25		<0.50		<0.50		<0.50	
DUP96-2848 BLK	Dil. Blank	<0.25		0.3		<0.50		<0.25		<0.50		<0.50		<0.50	
(1) 96-2848 BLK	Dil. Blank	<30		40		<50		<30		<50		<50		<50	
(1) DUP96-2848 BLK	Dil. Blank	<30		30		<50		<30		<50		<50		<50	
96-2848	118.1ADL.D	1600		1200		30000		3800		82000		15400		5600	
DUP96-2848	118.1ADL.D	1800	11.8	1300	8.0	33000	9.5	3700	2.7	93000	12.6	17600	13.3	6400	13.3
96-2850	118.3DL.D	900		1500		38000		300		106,000		14400		8100	
DUP96-2850	118.3DL.D	1100	20.0	1500	0.0	40000	5.1	<300		113,000	6.4	15400	6.7	8600	6.0

(1) Blanks were multiplied by the dilution factor 107.3.

ALO #	CLIENT ID	FLUORIDE	% RPD	CHLORIDE	% RPD	NITRITE	% RPD	BROMIDE	% RPD	NITRATE	% RPD	PHOSPHATE	% RPD	SULFATE	% RPD
		For the samples Listed below, units are in ug/g													
(2) 96-2605-BLK	Process Blnk	<0.25		0.3		<0.50		<0.25		1.2		<0.50		0.6	
(3) 96-2605-BLK	Process Blnk	<20		30		<50		<20		120		<50		60	
96-2605	118.1AA.W	8400		1100		26000		1500		72000		15000		6000	
DUP96-2605	118.1AA.W	8900	5.8	1100	0.0	26000	0.0	1400	6.9	72000	0.0	15000	0.0	6000	0.0
96-2606	118.1AB.W	8900		1000		24000		2500		68000		23000		6000	
DUP96-2606	118.1AB.W	9200	3.3	1000	0.0	24000	0.0	2500	0.0	67000	1.5	27000	16.0	6000	0.0
96-2607	118.2A.W	7400		1100		28000		<800		78000		17000		6000	
DUP96-2607	118.2A.W	7200	2.7	1100	0.0	29000	3.5	<800		79000	1.3	17000	0.0	7000	15.4
96-2608	118.2B.W	8300		1200		28000		<800		79000		17000		7000	
DUP96-2608	118.2B.W	7900	4.9	1200	0.0	28000	0.0	<800		79000	0.0	17000	0.0	7000	0.0
96-2609	118.3A.W	13500		1100		28000		<800		76000		15000		7000	
DUP96-2609	118.3A.W	13900	2.9	1100	0.0	27000	3.6	<800		76000	0.0	15000	0.0	7000	0.0

(2) Values for 96-2605-Blk are reported in ug/ml.

(3) The 96-2605-Blk concentrations in ug/ml were converted to ug/g using the process factor 96.9 (avg. process factor for samples extracted with blank).

(4) 96-2611-BLK	Process Blnk	<0.25		0.3		<0.50		<0.25		1.2		<0.50		0.6	
(5) 96-2611-BLK	Process Blnk	<20		30		<50		<20		110		<50		60	
96-2611	119.1A.W	10600		1100		25000		<800		79000		13000		6000	
DUP96-2611	119.1A.W	11500	8.1	1100	0.0	25000	0.0	<800		79000	0.0	13000	0.0	6000	0.0
96-2612	119.1B.W	10700		1000		22000		<800		71000		32000		6000	
DUP96-2612	119.1B.W	10500	1.9	1000	0.0	22000	0.0	<800		71000	0.0	30000	6.5	6000	0.0
96-2613	119.2A.W	12300		1100		25000		<800		77000		12000		6000	
DUP96-2613	119.2A.W	13600	10.0	1100	0.0	26000	3.9	<800		78000	1.3	12000	0.0	6000	0.0

(4) Values are reported in ug/ml.

(5) The 96-2611-Blk concentrations in ug/ml were converted to ug/g using the process factor 96.4 (avg. process factor for samples extracted with blank).

****REPORT GENERATION FOR SOLID SAMPLES****

This compiled data sheet may be used for report generation, DIL(EX)=EXTRACTION DILUTION&DIL(AN)=ANALYTICAL DILUTION=(100/INJ VOL) X MANUAL DILUTION (from Data Review Sheet

Divide ug/g values in this table by the product, DIL(EX)*DIL(AN), to obtain the concentrations in the analyzed solutions.

Approx. DL values (ug/g, solids) may be found by multiplying DIL(EX)*DIL(AN by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/21/96

Reviewer [signature] MAR 21 1996

********** Units of Measurement: ug/g (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL (EX)	%SOLI	SAM. WT.	DIL.VOL.	DIL. (AN)	F	Cl	NO2	Br	NO3	PO4	SO4
03/14.d24	96-2617/BLK - A13	100	90.3583	N/P			1	-22.5895758	38.0590981	45.1791517	45.1791517	107.082722	45.1791517	54.9504083
03/14.d46	96-2617/BLK - A13	5	101.213		0.5	50.1063	20	178.168588	220.633347	0	0	432.172741	0	433.436887
03/14.d24	96-2617/BLK - A13	100	101.213		0.5	50.1063	1	17.1808389	42.6309495	0	0	119.94604	36.034722	61.5513294
03/14.d47	96-2617/BS - A14	5	101.213		0.5	50.1063	20	393.482201	297.799857	761.241219	0	5992.22113	19643.5438	2517.85573
03/14.d25	96-2617/BS - A14	100	101.213		0.5	50.1063	1	289.075331	128.294055	309.790514	0	4704.41225	-12130.634	2238.58992
03/14.d19	96-2617/118.COMP.W - A1	1	88.0587	100	0.5761	50.1545	100	6818.98778	1617.10062	23239.7398	1031.39598	67417.4539	15385.6989	6675.33154
03/14.d21	96-2617/118.COMP.W - A1	3	88.0587	100	0.5761	50.1545	33.3333	8952.57278	1083.52672	23585.8104	947.018165	67484.9068	14693.7339	5531.07956
03/14.d36	96-2617/118.COMP.W - A1	5	88.0587	100	0.5761	50.1545	20	9180.99697	1001.04216	24193.5033	938.203492	64223.8301	15327.4041	5530.3927
03/14.d38	96-2617/118.COMP.W - A1	25	88.0587	100	0.5761	50.1545	4	7965.1533	965.475262	23050.4137	844.915898	-56720.351	14798.876	5882.25754
03/14.d23	DUP96-2617/118.COMP.W	3	86.8436	100	0.5849	50.2099	33.3333	9336.98568	1073.3517	23614.6753	973.516341	67941.801	14568.0945	5571.718
03/14.d22	MS96-2617/118.COMP.W -	3	90.7975	100	0.5599	50.2776	33.3333	7564.71806	1192.91524	24415.892	983.245736	74298.2935	30657.8545	7542.48176
03/14.d37	MS96-2617/118.COMP.W -	5	90.7975	100	0.5599	50.2776	20	7658.64804	1103.43434	25137.3687	951.330427	69633.5738	31676.8744	7552.79635
03/14.d39	MS96-2617/118.COMP.W -	25	90.7975	100	0.5599	50.2776	4	6954.0234	1071.97302	23859.576	0	-75877.806	16923.6485	8016.46268
03/14.d26	96-2618/119.COMP.W - A1	3	90.8203	100	0.5586	50.1736	33.3333	11489.7625	1042.77104	20960.4998	430.152929	66939.2579	14770.1905	5715.3556
03/14.d27	DUP96-2618/119.COMP.W	3	87.9839	100	0.5761	50.1114	33.3333	11510.5761	1024.6424	20686.5885	426.950464	66104.5593	14833.6384	5615.50808
03/14.d20	96-3365/118.1A.W - A20	1	95.2853	100	0.5321	50.1692	100	8905.40082	1682.50944	23043.6027	0	67383.7524	14059.7249	6724.46358
03/14.d40	96-3365/118.1A.W - A24	100	95.2853	100	0.5321	50.1692	100	8557.09499	1759.10928	22207.1885	0	64515.6653	15161.5086	6653.80955
03/14.d28	96-3365/118.1A.W - A20	3	95.2853	100	0.5321	50.1692	33.3333	9117.69644	1100.66891	23198.9177	0	68157.4689	13455.2351	5573.93189
03/14.d33	DUP96-3365/118.1A.W - A	3	97.0138	100	0.5224	50.1576	33.3333	8795.14341	1111.4384	23416.7988	89.4692147	68908.5987	13472.8861	5649.73345
03/14.d34	96-3366/118.1B.W - A22	3	87.2633	100	0.5819	50.1966	33.3333	8783.48499	1067.73599	22842.5586	0	66692.8781	15461.2199	5481.71317
03/14.d35	DUP96-3366/118.1B.W - A	3	89.1586	100	0.5701	50.2592	33.3333	6969.57881	1116.59517	23911.704	0	69462.2818	14209.1119	5664.0923
03/14.d41	MS96-3365/118.1A.W - A2	100					100							
03/14.d48	96-2607/118.2A.W - A26	100					100							
03/14.d49	MS96-2607/118.2A.W - A2	100					100							

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

	F	Cl	NO2	Br	NO3	PO4	SO4
	92%	79%	48%		94%	90%	84%
							88%
Nominal Conc(ug/ml):	296	109	642		5928	21736	2470

84%
88%

1271

WHC-SD-WM-DP-170, REV. 1

****REPORT GENERATION FOR SOLID SAMPLES****

This compiled data sheet may be used for report generation, DIL(EX)=EXTRACTION DILUTION&DIL(AN)=ANALYTICAL DILUTION=(100/INJ VOL) X MANUAL DILUTION (from Data Review Sheet)

Divide ug/g values in this table by the product, DIL(EX)*DIL(AN), to obtain the concentrations in the analyzed solutions.

Approx. DL values (ug/g, solids) may be found by multiplying DIL(EX)*DIL(AN by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02513,PN900907

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3-18-96

Reviewer BJ Cook MAR 26 1996

********** Units of Measurement: ug/g (ppm) ********** MO 3-18-96

INJ.	SAMPLE ID.	INJ. VOL.	DIL (EX)	%SOLI	SAM. WT.	DIL.VOL.	DIL. (AN)	F	Cl	NO2	Br	NO3	PO4	SO4
* 03/14.d24	96-2617/BLK - A13	100	90.3583				1	22.5895758	38.0590981	45.1791517	~~45.1791517~~	107.082722	45.1791517	54.9504083
03/14.d46	96-2617/BLK - A13	5					20				22.58			
03/14.d24	96-2617/BLK - A13	100					1							
03/14.d47	96-2617/BS - A14	5					20							
03/14.d25	96-2617/BS - A14	100					1							
03/14.d19	96-2617/118.COMP.W - A1	1	88.0587	100	0.5761	50.1545	100	8818.98778	1617.10062	23239.7398	1031.39598	67417.4539	15385.6989	6675.33154
03/14.d21	96-2617/118.COMP.W - A1	3	88.0587	100	0.5761	50.1545	33.3333	8952.57278	1083.52672	23585.8104	947.018165	67484.9068	14693.7339	5531.07956
03/14.d36	96-2617/118.COMP.W - A1	5	88.0587	100	0.5761	50.1545	20	9180.99697	1001.04216	24193.5033	938.203492	64223.8301	15327.4041	5530.3927
03/14.d38	96-2617/118.COMP.W - A1	25	88.0587	100	0.5761	50.1545	4	7965.1533	965.475262	23050.4137	844.915898	-56720.351	14798.876	5882.25754
03/14.d23	DUP96-2617/118.COMP.W	3	86.8436	100	0.5849	50.2099	33.3333	9336.98568	1073.3517	23614.6753	973.516341	67941.801	14568.0945	5571.718
03/14.d22	MS96-2617/118.COMP.W -	3	90.7975	100	0.5599	50.2776	33.3333	7564.71806	1192.91524	24415.892	983.245736	74298.2935	30657.8545	7542.48176
03/14.d37	MS96-2617/118.COMP.W -	5	90.7975	100	0.5599	50.2776	20	7658.64804	1103.43434	25137.3687	951.330427	69633.5738	31676.8744	7552.79635
03/14.d39	MS96-2617/118.COMP.W -	25	90.7975	100	0.5599	50.2776	4	6954.0234	1071.97302	23859.576	0	-75877.806	16923.6485	8016.46268
03/14.d26	96-2618/119.COMP.W - A1	3	90.8203	100	0.5586	50.1736	33.3333	11489.7625	1042.77104	20960.4998	430.152929	66939.2579	14770.1905	5715.3556
03/14.d27	DUP96-2618/119.COMP.W	3	87.9839	100	0.5761	50.1114	33.3333	11510.5761	1024.6424	20686.5885	426.950464	66104.5593	14833.6384	5615.50808
03/14.d20	96-3365/118.1A.W - A20	1	95.2853	100	0.5321	50.1692	100	8905.40082	1682.50944	23043.6027	0	67383.7524	14059.7249	6724.46358
03/14.d40	96-3365/118.1A.W - A24	100	95.2853	100	0.5321	50.1692	100	8557.09499	1759.10928	22207.1885	0	64515.6653	15161.5086	6653.80955
03/14.d28	96-3365/118.1A.W - A20	3	95.2853	100	0.5321	50.1692	33.3333	9117.69644	1100.66891	23198.9177	0	68157.4689	13455.2351	5573.93189
03/14.d33	DUP96-3365/118.1A.W - A	3	97.0138	100	0.5224	50.1576	33.3333	8795.14341	1111.4384	23416.7988	89.4692147	68908.5987	13472.8861	5649.73345
03/14.d34	96-3366/118.1B.W - A22	3	87.2633	100	0.5819	50.1966	33.3333	8783.48499	1067.73599	22842.5586	0	66692.8781	15461.2199	5481.71317
03/14.d35	DUP96-3366/118.1B.W - A	3	89.1586	100	0.5701	50.2592	33.3333	6969.57881	1116.59517	23911.704	0	69462.2818	14209.1119	5664.0923
03/14.d41	MS96-3365/118.1A.W - A2	100					100							
03/14.d48	96-2607/118.2A.W - A26	100					100							
03/14.d49	MS96-2607/118.2A.W - A2	100					100							

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

* Blank reported as ug/g using an average of all the process factors extracted (i.e., DIL(EX)) w/ that blank.

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WHC-SD-WM-DP-170, REV. 1

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.
Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.
Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.
M&TE ID: WD02513,PN900907 METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst.....M. O'Neill 3-18-96..... Reviewer.....B J Cook MAR 25 1996

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
03/14.d46	96-2617/BLK - A13	5	20.0	1.8	2.2	0.0	0.0	4.3	0.0	4.3
03/14.d24	96-2617/BLK - A13	100	NOT RPT'D 1.0	0.2	0.4	0.0	0.0	1.2	0.4	0.6
03/14.d47	96-2617/BS - A14	5	20.0	3.9	2.9	7.5	0.0	59.2	194.1	24.9
03/14.d25	96-2617/BS - A14	100	1.0	2.9	1.3	3.1	0.0	46.5	-119.9	22.1
03/14.d19	96-2617/118.COMP.W - A15	1	100.0	100.1	18.4	263.9	11.7	765.6	174.7	75.8
03/14.d21	96-2617/118.COMP.W - A15	3	33.3	101.7	12.3	267.8	10.8	766.4	166.9	62.8
03/14.d36	96-2617/118.COMP.W - A15	5	20.0	104.3	11.4	274.7	10.7	729.3	174.1	62.8
03/14.d38	96-2617/118.COMP.W - A15	25	4.0	90.5	11.0	261.8	9.6	-644.1	168.1	66.8
03/14.d23	DUP96-2617/118.COMP.W -	3	33.3	107.5	12.4	271.9	11.2	782.3	167.8	64.2
03/14.d22	MS96-2617/118.COMP.W - A	3	33.3	83.3	13.1	268.9	10.8	818.3	337.7	83.1
03/14.d37	MS96-2617/118.COMP.W - A	5	20.0	84.3	12.2	276.9	10.5	766.9	348.9	83.2
03/14.d39	MS96-2617/118.COMP.W - A	25	4.0	76.6	11.8	262.8	0.0	-835.7	186.4	88.3
03/14.d26	96-2618/119.COMP.W - A18	3	33.3	126.5	11.5	230.8	4.7	737.1	162.6	62.9
03/14.d27	DUP96-2618/119.COMP.W -	3	33.3	130.8	11.6	235.1	4.9	751.3	168.6	63.8
03/14.d20	96-3365/118.1A.W - A20	1	100.0	93.5	17.7	241.8	0.0	707.2	147.6	70.6
03/14.d40	96-3365/118.1A.W - A24	100	100.0	89.8	18.5	233.1	0.0	677.1	159.1	69.8
03/14.d28	96-3365/118.1A.W - A20	3	33.3	95.7	11.6	243.5	0.0	715.3	141.2	58.5
03/14.d33	DUP96-3365/118.1A.W - A21	3	33.3	90.7	11.5	241.4	0.9	710.3	138.9	58.2
03/14.d34	96-3366/118.1B.W - A22	3	33.3	100.7	12.2	261.8	0.0	764.3	177.2	62.8
03/14.d35	DUP96-3366/118.1B.W - A23	3	33.3	78.2	12.5	268.2	0.0	779.1	159.4	63.5
03/14.d41	MS96-3365/118.1A.W - A25	100	100.0	274.2	183.1	685.5	182.2	1162.1	585.6	493.1
03/14.d48	96-2607/118.2A.W - A26	100	100.0	12.1	12.6	44.5	0.0	80.7	45.4	25.6
03/14.d49	MS96-2607/118.2A.W - A27	100	100.0	188.4	175.9	469.3	183.2	533.2	457.4	445.4

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS2 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

• AT AN INJ. OF 30µl of stock verification standard, 100% analyte levels are 7.5/30 (Halide/oxyanion).

Analyst M. O'Neill 3-18-96 Reviewer [signature] MAR 25 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
03/14.d14	A960123V1/LO - A05	5	1	1.13 90%	1.17	4.53	1.18	4.60	4.36 87%	4.49 90%
03/14.d15	A960123V2/MID - A05	15	1	3.61 96%	3.77	14.32	3.64	14.23	14.10 94%	14.22
03/14.d16	A960123V3/HI - A05	30	1	7.21	7.49	28.62	7.22	28.76	28.46	28.58
03/14.d17	A9603141B2 - A01	100	1	0.00	0.10	0.00	0.00	0.00	0.22	0.24
03/14.d19	96-2617/118.COMP.W -	1	1	1.00	0.18	2.64	0.12	7.66	1.75	0.76
03/14.d20	96-3365/118.1A.W - A20	1	1	0.93	no 0.18	2.42	0.00	7.07	1.48	0.71
03/14.d21	96-2617/118.COMP.W -	3	1	3.05 3-19-96	17% 0.37	8.04	0.32	22.99	5.01	1.88
03/14.d22	MS96-2617/118.COMP.W	3	1	2.50	61% 0.39	15% 8.07	0.32	87% 24.55	78% 10.13	81% 2.49
03/14.d23	DUP96-2617/118.COMP.	3	1	3.23	0.37	8.16	0.34	23.47	5.03	1.92
03/14.d24	96-2617/BLK - A13	100	1	0.17	0.42	0.00	0.00	1.19	0.36	0.61
03/14.d25	96-2617/BS - A14	100	1	96% 2.86 93%	77% 2.27 85%	47% 3.06 48%	0.00	46.48	-119.85	96% 22.12 87%
03/14.d26	96-2618/119.COMP.W -	3	1	3.80	0.34	6.92	0.14	22.11	4.88	1.89
03/14.d27	DUP96-2618/119.COMP.	3	1	3.92	0.35	7.05	0.15	22.54	5.06	1.91
03/14.d28	96-3365/118.1A.W - A20	3	1	2.87	0.35	7.30	0.00	21.46	4.24	1.75
03/14.d29	A960123V1/LO - A05	5	1	1.14	1.20	4.51	1.19	4.57	4.42 88%	4.49 90%
03/14.d30	A960123V2/MID - A05	15	1	3.55	3.74	14.30	3.62	14.27	14.07	14.15
03/14.d31	A960123V3/HI - A05	25	1	6.00	6.32	23.87	6.03	24.21	23.79	23.91
03/14.d32	A9603141B3 - A01	100	1	0.00	0.10	0.00	0.00	0.17	0.21	0.24
03/14.d33	DUP96-3365/118.1A.W -	3	1	2.72	0.34	7.24	0.03	21.31	4.17	1.75
03/14.d34	96-3366/118.1B.W - A22	3	1	3.02	0.37	7.85	0.00	22.93	5.32	1.88
03/14.d35	DUP96-3366/118.1B.W -	3	1	2.35	0.38	8.05	0.00	23.37	4.78	1.91
03/14.d36	96-2617/118.COMP.W -	5	1	5.21	0.57	13.74	0.53	36.47	8.70	3.14
03/14.d37	MS96-2617/118.COMP.W	5	1	4.22	73% 0.61	31% 13.84	0.52	63% 38.35	79% 17.44	82% 4.16
03/14.d38	96-2617/118.COMP.W -	25	1	22.61	2.74	65.44	2.40	-161.03	42.01	16.70
03/14.d39	MS96-2617/118.COMP.W	25	1	19.15	96% 2.95	65.69	0.00	-208.92	46.60	86% 22.07

SAMPLES ANALYZED ON: 03/14/96 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

Theoretical Blank Spike Conc. (used to calc. Spike recovery) 2.9 (F) 1.0 (Cl) 6.4 (NO_2) 24.7 (SO_4)

Blank Spikes reported off of DATA RED SHEETS.

1274

WHC-SD-WM-DP-170, REV. 1

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900907,WD25123,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst.....M. O'Neill 3/18/96..... Reviewer.....RJ Cook MAR 25 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
03/14.d40	96-3365/118.1A.W - A24	100	100	0.90	0.18	2.33	0.00	6.77	1.59	0.70
03/14.d41	MS96-3365/118.1A.W -	100	100	92% 2.74	93% 1.83	91% 6.86	91% 1.82	97% 11.62	85% 5.86	85% 4.93
03/14.d42	A960123V1/LO - A35	5	1	1.13	1.11 99%	4.54	1.18	4.57	4.40 88%	4.47 89%
03/14.d43	A960123V2/MID - A35	15	1	3.59	3.55	14.37	3.60	14.43	14.12	14.17
03/14.d44	A960123V3/HI - A35	25	1	6.03	6.02	24.01	5.97	24.29	23.92	23.94
03/14.d45	A9603141B4 - A01	100	1	0.00	0.10	0.00	0.00	0.17	0.23	0.25
03/14.d46	96-2617/BLK - A13	5	1	0.09	0.11	0.00	0.00	0.21	0.00	0.21
03/14.d47	96-2617/BS - A14	5	1	0.19	0.15	0.38	0.00	92% 2.96 95%	98% 9.70 90%	92% 1.24 86%
03/14.d48	96-2607/118.2A.W - A26	100	100	0.12	0.13	0.44	0.00	0.81	0.45	0.26
03/14.d49	MS96-2607/118.2A.W -	100	100	89% 1.88	92% 1.76	85% 4.69	92% 1.83	90% 5.33	92% 4.57	94% 4.45
03/14.d50	A960123V1/LO - A35	5	1	1.14	1.12 90%	4.54	1.19	4.58	4.43 89%	4.51 90%
03/14.d51	A960123V2/MID - A35	15	1	3.61	3.56	14.45	3.62	14.42	14.19	14.24
03/14.d52	A960123V3/HI - A35	25	1	6.01	6.02	24.05	6.02	24.33	24.01	24.03
03/14.d53	A9603141B5 - A01	100	1	0.00	0.10	0.00	0.00	0.00	0.22	0.24

SAMPLES ANALYZED ON: 03/14/96 USING SYSTEM IC-325-400-SYS 2 (DATA ARCHIVAL LOCATOR)

Theoretical Blank Spike Conc. (used to calc. Spike Recovery) 2.9 (NO_3) 10.9 (PO_4) 1.2 (SO_4)

Blank Spike reported off of DATA REP SHEETS.

1275

WHC-SD-WM-DP-170, REV. 1

DIONEX METHOD PARAMETERS - 2ANIONS2.MET

Method Comment: CALIBRATED ON ~~01/09/96~~ 03/06/96 MO 3-14-96 *** FLOW RATE: 1.8 MLS/MIN***
Column ID: AG4A/AS4A (28411/5758)
Analyst ID: MMO

System Parameters

System Name: ANIONS 2

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\9511142\95112021.D12

-- 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	165.326
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: 12:56 on Wed, 06 Mar 1996

Component # 1 FLUORIDE Retention Time 0.95
Reference Comp. CHLORIDE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 8.49753E-002
K1 = 2.37999E-008
K2 = -1.80518E-018

Level	Amount	Area	Height
1	2.50000E-001	8477929	1905687
2	5.00000E-001	18184059	4199536
3	1.25000E+000	46562125	15756732
4	2.50000E+000	101244906	27445417
5	5.00000E+000	211980390	46937349
6	7.50000E+000	318492742	64035570

Component # 2 CHLORIDE Retention Time 1.60
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 9.18871E-002
K1 = 3.86174E-008
K2 = -2.68820E-017

Level	Amount	Area	Height
1	2.50000E-001	5420979	1168898
2	5.00000E-001	11393872	2830831
3	1.25000E+000	28680274	7394881
4	2.50000E+000	63800089	16593159
5	5.00000E+000	143183077	32381901
6	7.50000E+000	227174234	48657180

Component # 3 NITRITE Retention Time 2.00
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.43743E-001
K1 = 5.64179E-008
K2 = -2.29263E-019

Level	Amount	Area	Height
1	5.00000E-001	7010733	1246575
2	1.00000E+000	14644373	2848632
3	5.00000E+000	79538071	15745625
4	1.00000E+001	171933435	33310858
5	2.00000E+001	354286190	63156932
6	3.00000E+001	527156246	83378502

Component # 4 BROMIDE Retention Time 3.07
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.73094E-002
K1 = 1.09172E-007
K2 = -1.76572E-016

Level	Amount	Area	Height
1	2.50000E-001	2260382	263075
2	5.00000E-001	4625260	536099
3	1.25000E+000	11287919	1341288
4	2.50000E+000	23306121	2641620
5	5.00000E+000	50029237	6411657
6	7.50000E+000	78365801	10295770

Component # 5 NITRATE Retention Time 3.43
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.64149E-001
K1 = 7.65986E-008
K2 = -3.01910E-017

Level	Amount	Area	Height
1	5.00000E-001	5718906	538108
2	1.00000E+000	11780041	1103289
3	5.00000E+000	62046470	5472421
4	1.00000E+001	134936827	11467555
5	2.00000E+001	294871649	24609960
6	3.00000E+001	479667967	37834971

Component # 6 PHOSPHATE Retention Time 5.47
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.85495E-001
K1 = 1.47680E-007
K2 = -1.08786E-016

Level	Amount	Area	Height
1	5.00000E-001	3015949	207175
2	1.00000E+000	6334545	444921
3	5.00000E+000	31602883	2264405
4	1.00000E+001	68974171	5065959
5	2.00000E+001	152947803	10838175
6	3.00000E+001	245956478	16234876

Component # 7 SULFATE Retention Time 7.23
Reference Comp. SULFATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.93860E-001
K1 = 5.77459E-008
K2 = -1.62642E-017

Level	Amount	Area	Height
1	5.00000E-001	7627695	384529
2	1.00000E+000	15895518	803460
3	5.00000E+000	80965041	4088608
4	1.00000E+001	175604055	8697305
5	2.00000E+001	389978167	19732744
6	3.00000E+001	624780326	30637971

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

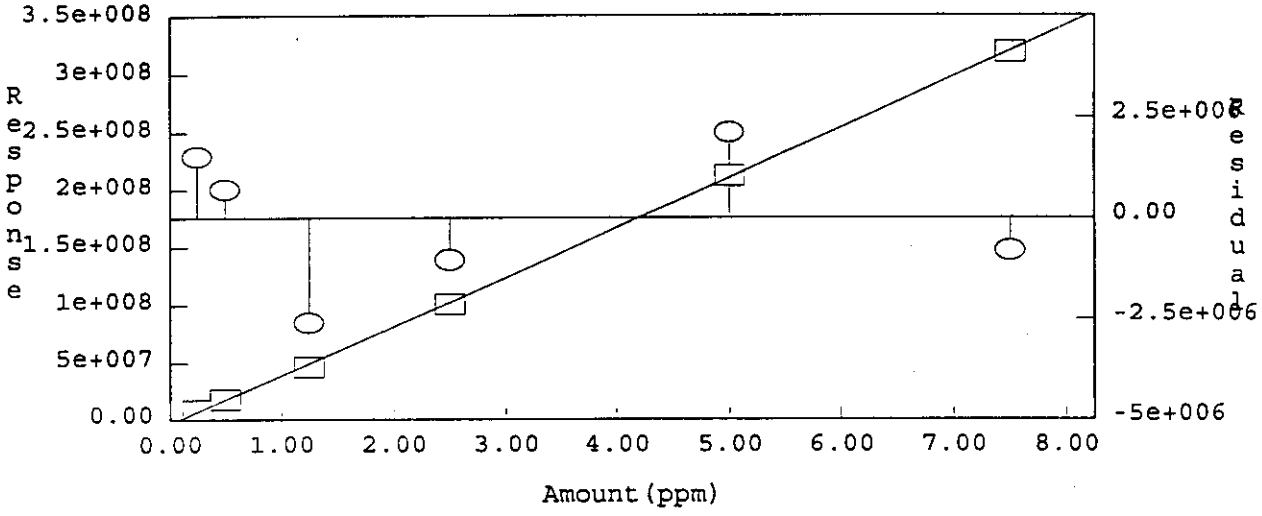
Step	Time	Description
Init		PED AutoOffset Off
Init		PED Cell ON
Init		PED Recorder Mark OFF
Init		PED Recorder Range = 0.100 uS
Init		ACI RLY 3 OFF
Init		ACI RLY 4 OFF
Init		ACI TTL 3 OFF
Init		ACI TTL 4 OFF
Init		ACI AC 2 ON
Init		GPM Start
Init		GPM Hold Gradient Clock
Init		GPM Reset ON
1	0.0	PED AutoOffset ON
1	0.0	GPM Run Gradient Clock
1	0.0	GPM Reset OFF
2	0.1	PED AutoOffset 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	

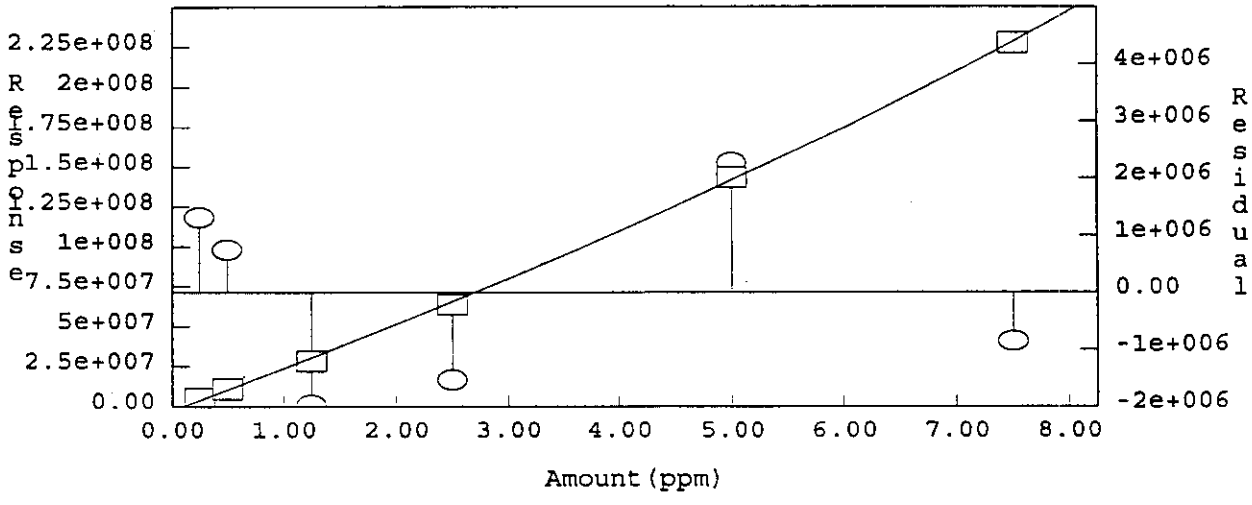
PED file: C:\DX\METHOD\2ANIONS2.PCD
Temperature: 1.7 Deg. C

Method: 2ANIONS2.MET - Last Updated: 12:56 Component: FLUORIDE
Fit Type: Quadratic
r^2 = 0.999791 Sum(abs(Residuals)) = 8.7781e+006
Amt = (-1.805176e-018 * Resp²)+
(2.379986e-008 * Resp)+ 0.0850
Standardization: External
Calibration: Area



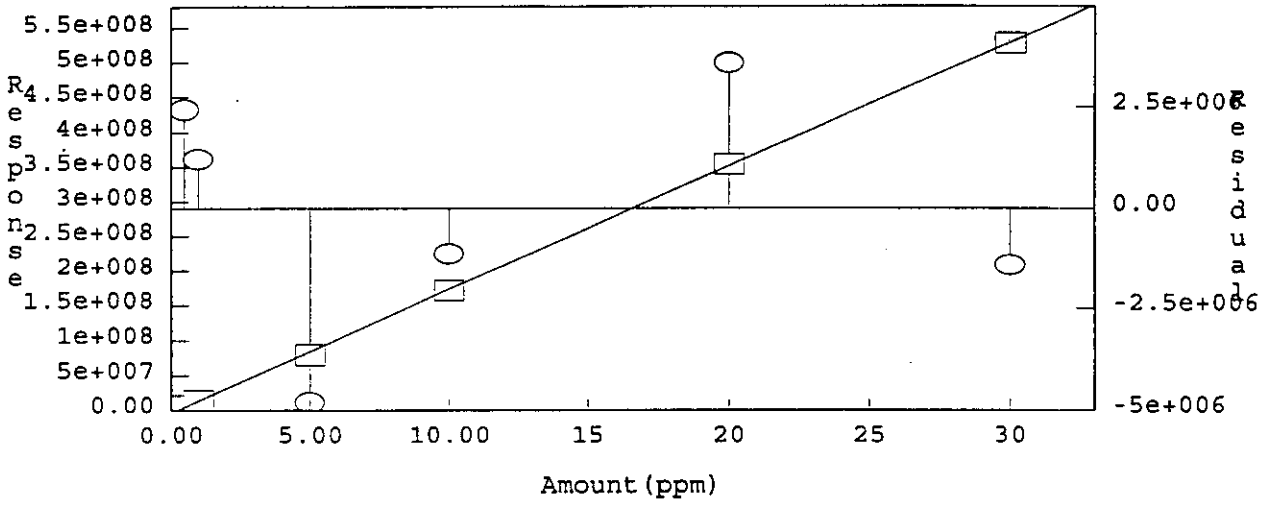
Method: C:\DX\METHOD\2ANIONS2.MET

Component: CHLORIDE
Fit Type: Quadratic
r^2 = 0.999589 Sum(abs(Residuals)) = 8.6725e+006
Amt = (-2.688202e-017 * Resp²)+
(3.861742e-008 * Resp)+ 0.0919
Standardization: External
Calibration: Area



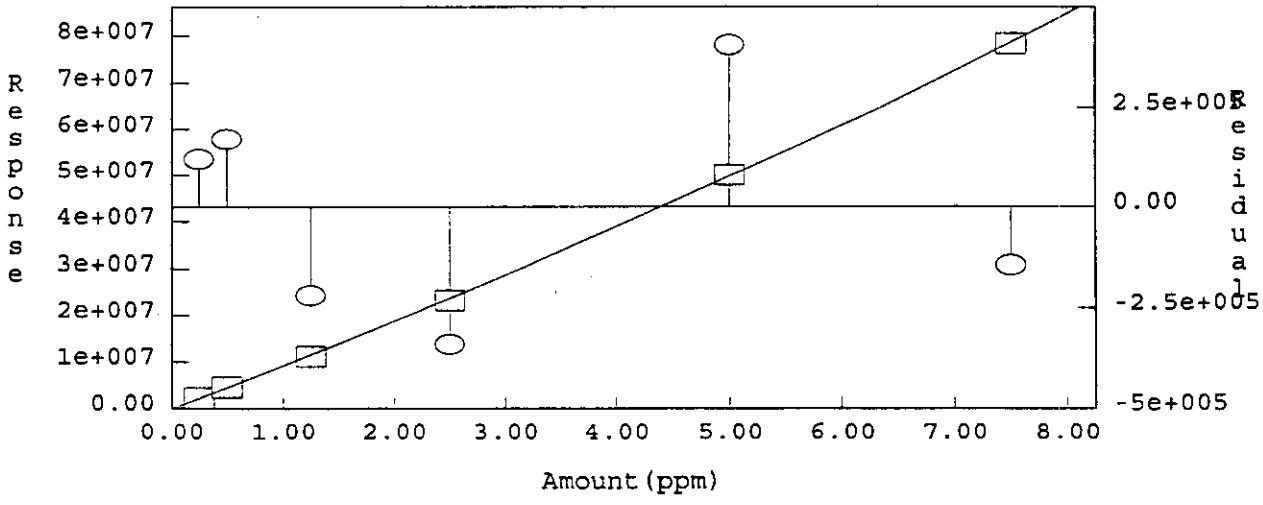
Method: C:\DX\METHOD\2ANIONS2.MET

Component: NITRITE
Fit Type: Quadratic
r^2 = 0.999784 Sum(abs(Residuals)) = 1.4634e+007
Amt = (-2.292628e-019 * Resp²)+
(5.641786e-008 * Resp)+ 0.2437
Standardization: External
Calibration: Area



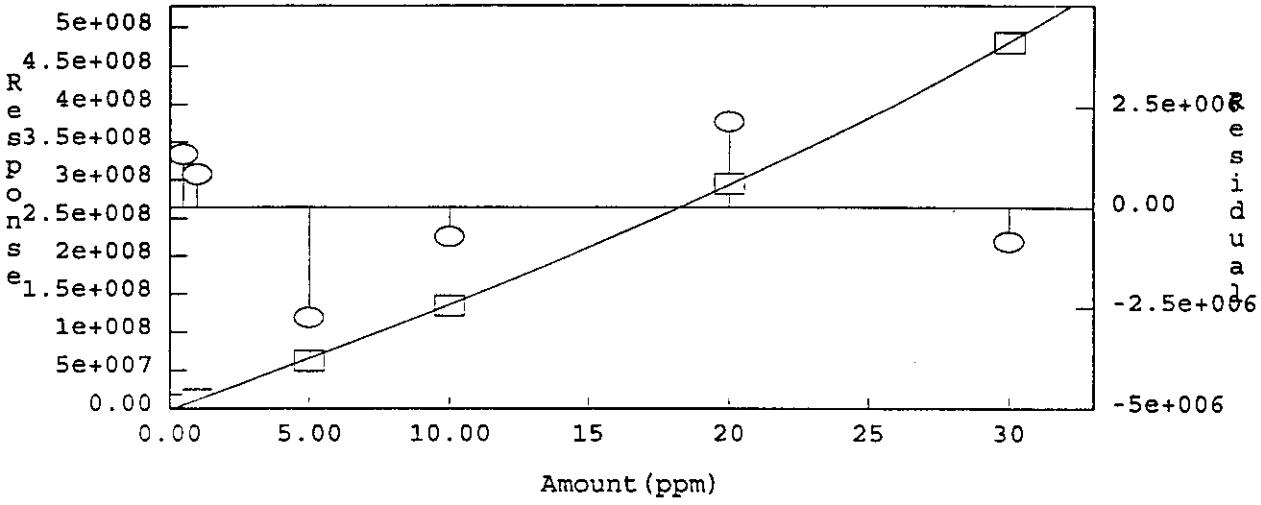
Method: C:\DX\METHOD\2ANIONS2.MET

Component: BROMIDE
Fit Type: Quadratic
r^2 = 0.999910 Sum(abs(Residuals)) = 1.3995e+006
Amt = (-1.765725e-016 * Resp²)+
(1.091719e-007 * Resp)+ 0.0173
Standardization: External
Calibration: Area



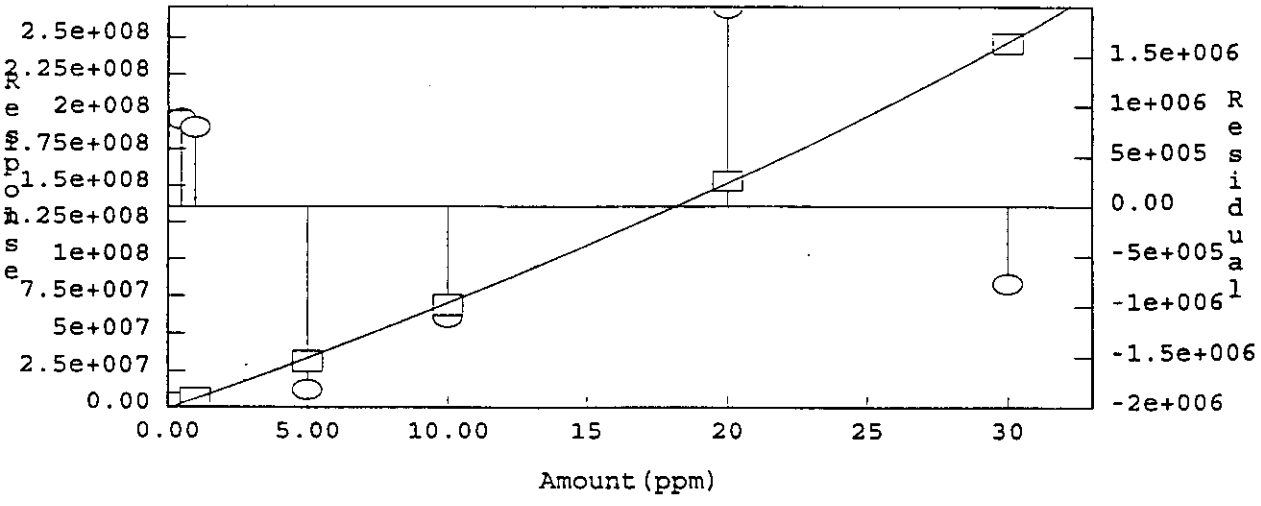
Method: C:\DX\METHOD\2ANIONS2.MET

Component: NITRATE
Fit Type: Quadratic
r^2 = 0.999893 Sum(abs(Residuals)) = 8.5973e+006
Amt = (-3.019103e-017 * Resp²)+
(7.659862e-008 * Resp)+ 0.1641
Standardization: External
Calibration: Area



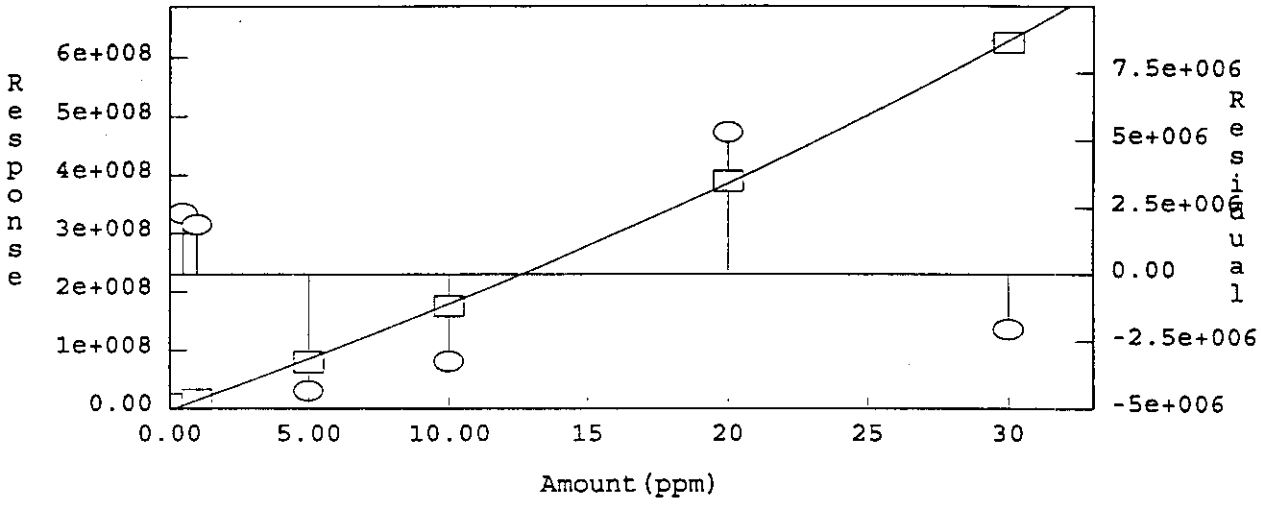
Method: C:\DX\METHOD\2ANIONS2.MET

Component: PHOSPHATE
Fit Type: Quadratic
r^2 = 0.999747 Sum(abs(Residuals)) = 7.3621e+006
Amt = (-1.087857e-016 * Resp²)+
(1.476801e-007 * Resp)+ 0.1855
Standardization: External
Calibration: Area



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

Component: SULFATE
Fit Type: Quadratic
r^2 = 0.999743 Sum(abs(Residuals)) = 1.9087e+007
Amt = (-1.626419e-017 * Resp²)+
(5.774587e-008 * Resp)+ 0.1939
Standardization: External
Calibration: Area



AI-450 AS3500 Editor - 03142SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A04	5	1	A960123V1/LO ↓PO4,SO4	2anions2	96031421	1	1	
2	A05	5	1	A960123V1/LO ↓PO4,SO4	2anions2	96031421	1	1	
3	A05	15	1	A960123V2/MID acc.	2anions2	96031421	1	1	
4	A05	30	1	A960123V3/HI acc.	2anions2	96031421	1	1	
5	A01	100	1	A9603141B2 acc	2anions2	96031421	1	1	
6	A06	1	1	SPKCHK960207	2anions2	96031421	1	1	
7	A09	100	1	96-2987/FLD. BLNK	2anions2	96031421	1	1	
8	A10	100	1	DUP96-2987/FLD. BLNK	2anions2	96031421	1	1	
9	A11	5	1	96-2988/HYD. FLUID	2anions2	96031421	100	1	
10	A11	100	1	96-2988/HYD. FLUID	2anions2	96031421	100	1	
11	A12	5	1	DUP96-2988/HYD. FLUI	2anions2	96031421	100	1	
12	A12	100	1	DUP96-2988/HYD. FLUI	2anions2	96031421	100	1	
13	A38	100	1	DILUTION BLANK	2anions2	96031421	1	1	
✗14	A05	5	1	A960123V1/LO ↓PO4,SO4	2anions2	96031421	1	1	
15	A05	15	1	A960123V2/MID acc	2anions2	96031421	1	1	
16	A05	30	1	A960123V3/HI acc	2anions2	96031421	1	1	
17	A01	100	1	A9603141B2 acc.	2anions2	96031421	1	1	
18	A40	100	1	NO RUN	2anions2	96031421	1	1	
19	A15	1	1	96-2617/118.COMP.W	2anions2	96031421	1	1	
20	A20	1	1	96-3365/118.1A.W	2anions2	96031421	1	1	
21	A15	3	1	96-2617/118.COMP.W	2anions2	96031421	1	1	
22	A17	3	1	MS96-2617/118.COMP.W	2anions2	96031421	1	1	
23	A16	3	1	DUP96-2617/118.COMP.	2anions2	96031421	1	1	
24	A13	100	1	96-2617/BLK	2anions2	96031421	1	1	
25	A14	100	1	96-2617/BS	2anions2	96031421	1	1	
26	A18	3	1	96-2618/119.COMP.W	2anions2	96031421	1	1	
27	A19	3	1	DUP96-2618/119.COMP.	2anions2	96031421	1	1	
28	A20	3	1	96-3365/118.1A.W	2anions2	96031421	1	1	
29	A05	5	1	A960123V1/LO ↓PO4,SO4	2anions2	96031421	1	1	
30	A05	15	1	A960123V2/MID acc.	2anions2	96031421	1	1	
31	A05	25	1	A960123V3/HI acc	2anions2	96031421	1	1	
32	A01	100	1	A9603141B3 acc.	2anions2	96031421	1	1	
33	A21	3	1	DUP96-3365/118.1A.W	2anions2	96031421	1	1	
34	A22	3	1	96-3366/118.1B.W	2anions2	96031421	1	1	
35	A23	3	1	DUP96-3366/118.1B.W	2anions2	96031421	1	1	
36	A15	5	1	96-2617/118.COMP.W	2anions2	96031421	1	1	
37	A17	5	1	MS96-2617/118.COMP.W	2anions2	96031421	1	1	
38	A15 ✓	25	1	96-2617/118.COMP.W	2anions2	96031421	1	1	
39	A17 ✓	25	1	MS96-2617/118.COMP.W	2anions2	96031421	1	1	
40	A24 ✓	100	1	96-3365/118.1A.W	2anions2	96031421	100	1	
41	A25	100	1	MS96-3365/118.1A.W	2anions2	96031421	100	1	
42	A35	5	1	A960123V1/LO ↓PO4,SO4,Cl	2anions2	96031421	1	1	
43	A35	15	1	A960123V2/MID acc.	2anions2	96031421	1	1	
44	A35	25	1	A960123V3/HI acc.	2anions2	96031421	1	1	
45	A01	100	1	A9603141B4 acc.	2anions2	96031421	1	1	
46	A13 ✓	5	1	96-2617/BLK	2anions2	96031421	1	1	

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
47	A14 ✓	5	1	96-2617/BS	2anions2	96031421	1	1	
48	A26 ✓	100	1	96-2607/118.2A.W	2anions2	96031421	100	1	
49	A27 ✓	100	1	MS96-2607/118.2A.W	2anions2	96031421	100	1	
50	A35	5	1	A960123V1/LO ↓Cl, PO4	2anions2	96031421	1	1	
51	A35	15	1	A960123V2/MID acc.	2anions2	96031421	1	1	
52	A35 ✓	25	1	A960123V3/HI acc.	2anions2	96031421	1	1	
53	A01	100	1	A9603141B5 acc	2anions2	96031421	1	1	
	✓A40				↓shutdown 2				

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	250	Normal	Normal	Push	2.0
2	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
3	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
5	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
7	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A10	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A11	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
10	A11	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
11	A12	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A12	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
13	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
16	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
18	A40	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
19	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
20	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
21	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
22	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
23	A16	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
24	A13	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
25	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
26	A18	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
27	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
28	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

29	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
30	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
31	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
32	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
33	A21	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
34	A22	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
35	A23	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
36	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
37	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
38	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
39	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
40	A24	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
41	A25	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
42	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
43	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
44	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
45	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
46	A13	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
47	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
48	A26	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
49	A27	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
50	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
51	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
52	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
53	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

Comment:

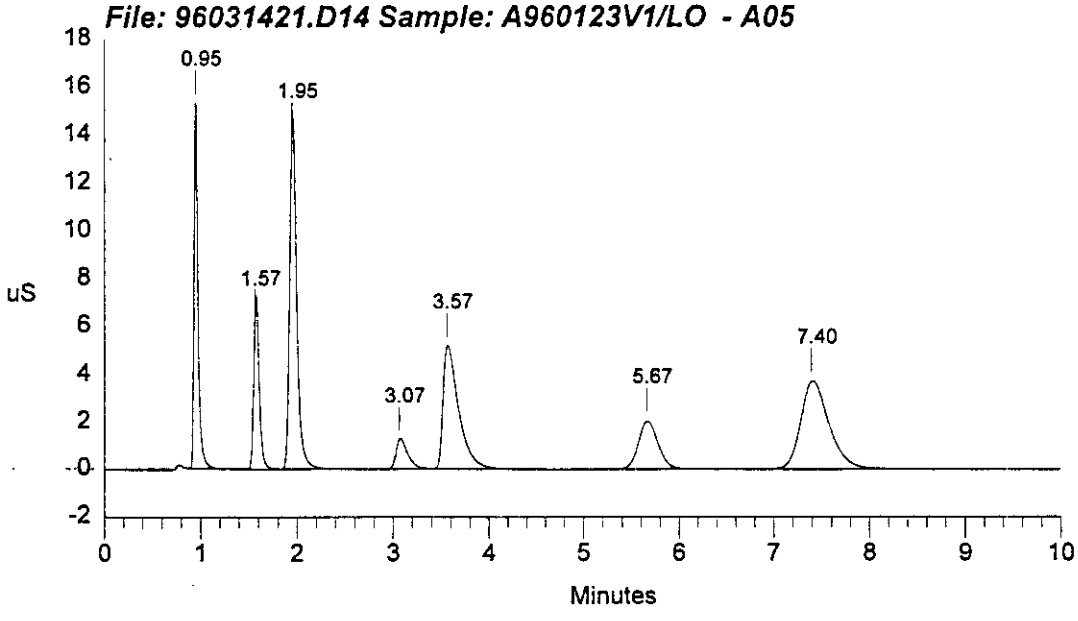
Data Reprocessed On 03/15/1996 14:35:11

Sample Name: A960123V1/LO - A05	Date: 03/14/1996 12:10:58
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D14	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 14 Vial:A05	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

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	FLUORIDE	22.591	15270496	44037226	1	2.13
2	1.57	CHLORIDE	23.340	6132999	28402090	1	0.00
3	1.95	NITRITE	90.679	13951258	76066881	1	-0.43
4	3.07	BROMIDE	23.679	1230423	10877856	1	2.13
5	3.57	NITRATE	91.978	5149128	59280958	1	0.00
6	5.67	PHOSPHATE	87.288	2030680	28912818	1	-0.22
7	7.40	SULFATE	89.778	3692805	76005737	1	0.00
		Totals	429.334	47457789	323583566		



Data Reprocessed On 03/15/1996 14:35:24

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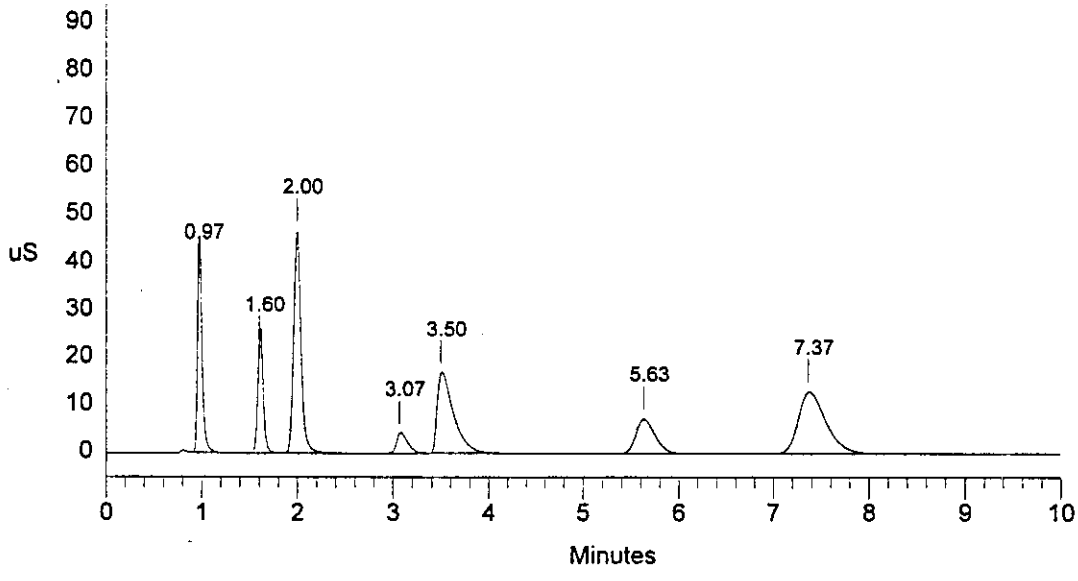
==============================================================================
| Sample Name: A960123V2/MID  - A05          Date: 03/14/1996 12:22:23        |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D15                |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 15  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                  |
==============================================================================
```

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	FLUORIDE	24.034	36885331	149604712	1	1.75
2	1.60	CHLORIDE	25.103	21910224	102430677	1	0.00
3	2.00	NITRITE	95.488	46464765	249810384	1	0.00
4	3.07	BROMIDE	24.243	4068948	35148840	1	0.00
5	3.50	NITRATE	94.874	16609169	199301590	1	0.00
6	5.63	PHOSPHATE	93.985	7244488	101846392	1	1.09
7	7.37	SULFATE	94.802	12882386	262274541	1	0.00
		Totals	452.530	146065310	1100417136		

File: 96031421.D15 Sample: A960123V2/MID - A05



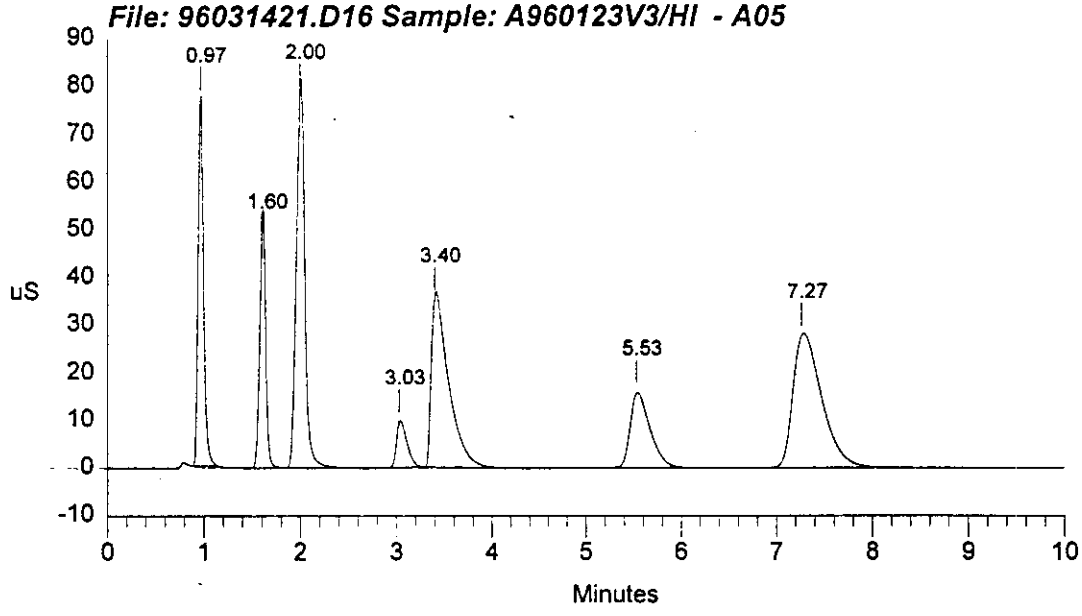
Data Reprocessed On 03/15/1996 14:35:39

Sample Name: A960123V3/HI - A05	Date: 03/14/1996 12:33:55
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D16	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 16 Vial:A05	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

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	0.97	FLUORIDE	24.032	76783570	306475875	1	1.75
2	1.60	CHLORIDE	24.951	46635104	227475424	1	0.00
3	2.00	NITRITE	95.393	77752681	503958532	1	0.00
4	3.03	BROMIDE	24.052	9539508	75043640	1	-1.09
5	3.40	NITRATE	95.856	35029537	454808244	1	0.00
6	5.53	PHOSPHATE	94.869	15802146	230650776	1	2.21
7	7.27	SULFATE	95.260	27740297	589367335	1	0.00
		Totals	454.412	289282842	2387779825		



Data Reprocessed On 03/15/1996 14:36:02

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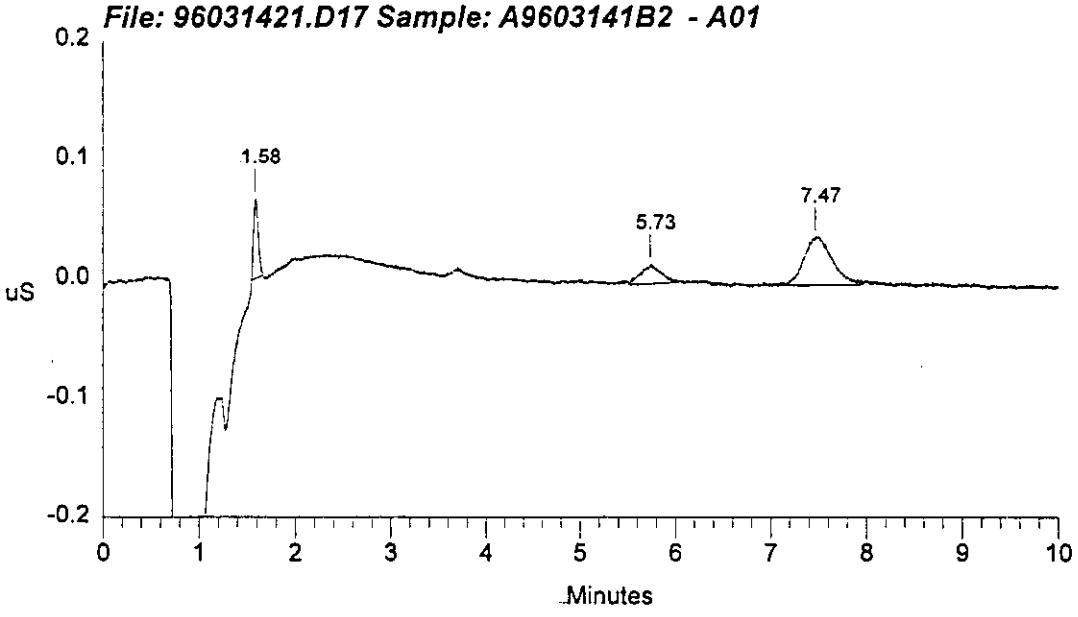
==============================================================================
| Sample Name: A9603141B2  - A01              Date: 03/14/1996 12:45:59      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D17                |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 17  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	1.58	CHLORIDE	0.101	64904	228333	1	0.00
2	5.73	PHOSPHATE	0.220	14394	235386	1	4.88
3	7.47	SULFATE	0.242	37719	827419	1	0.00
		Totals	0.563	117018	1291137		



Data Reprocessed On 03/15/1996 14:47:26

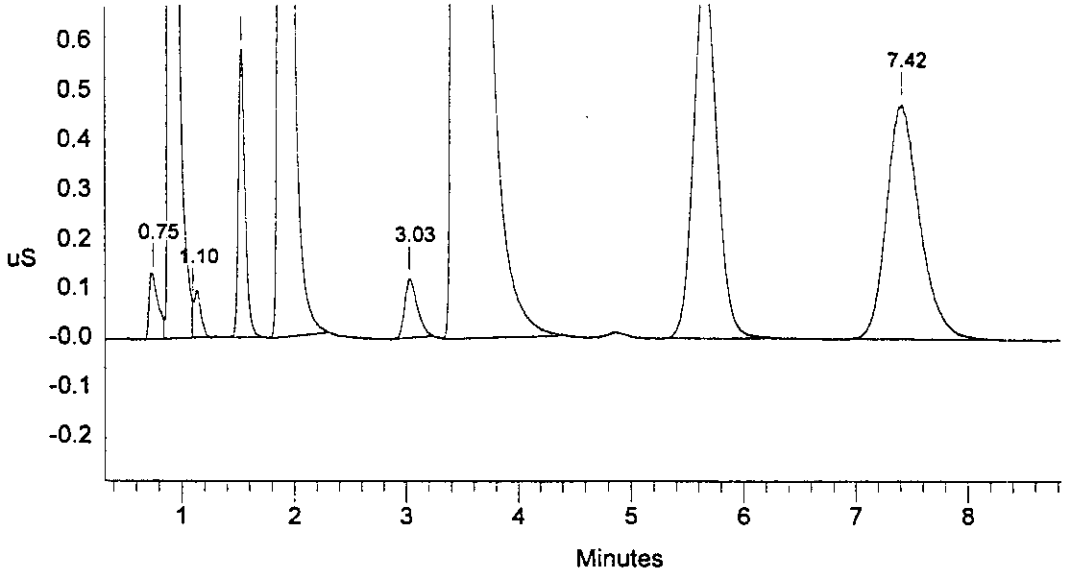
Sample Name: 96-2617/118.COMP.W - A15	Date: 03/14/1996 13:23:44
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D19	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 19 Vial:A15	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3000	5Hz	0.32	8.83	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.75		0.000	128614	734437	2	
2	0.90	FLUORIDE	100.149	9054353	38622435	2	-1.14
3	1.10		0.000	74815	436032	2	
4	1.53	CHLORIDE	18.364	580618	2379867	1	0.00
5	1.91	NITRITE	263.912	8266600	42465137	1	-0.17
6	3.03	BROMIDE	11.713	118765	915666	1	3.21
7	3.49	NITRATE	765.597	8770778	101898826	1	0.00
8	5.66	PHOSPHATE	174.721	732653	10658646	1	1.95
9	7.42	SULFATE	75.805	471525	9797346	1	0.00
		Totals	1410.261	28198721	207908393		

File: 96031421.D19 Sample: 96-2617/118.COMP.W - A15



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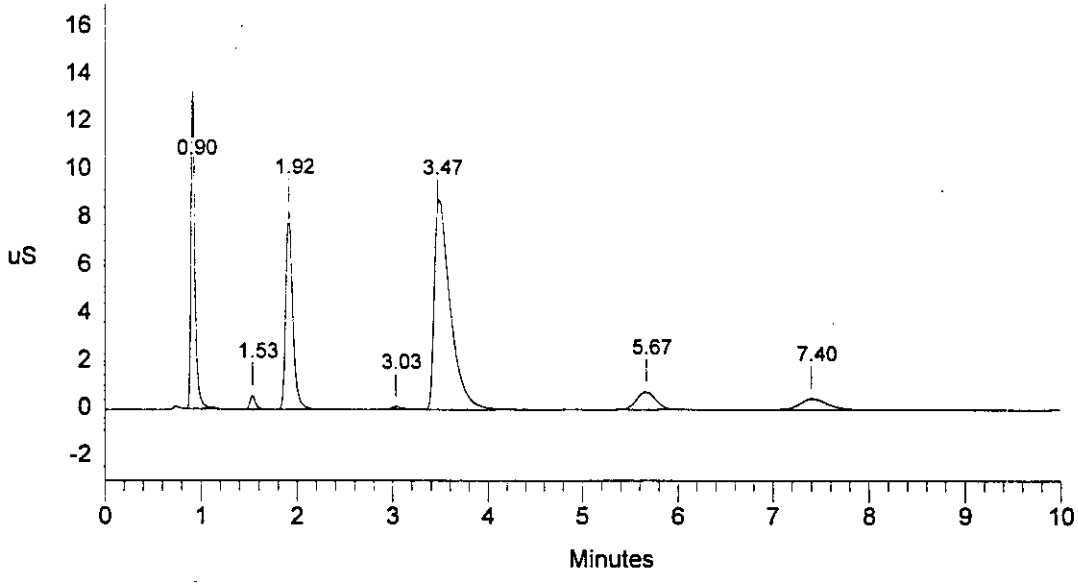
| Sample Name: 96-2617/118.COMP.W  - A15      Date: 03/14/1996 13:23:44    |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D19                       |
| Method     : c:\dx\method\2anions2.met                                   |
| ACI Address: 1  System: 2  Inject#: 19  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)               |
==========================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.90	FLUORIDE	99.402	9017451	38306823	1	-1.14
2	1.53	CHLORIDE	18.262	579465	2353490	1	0.00
3	1.92	NITRITE	264.468	8260695	42563718	1	0.00
4	3.03	BROMIDE	12.364	121054	975545	1	3.21
5	3.47	NITRATE	765.264	8229136	101851432	1	0.00
6	5.67	PHOSPHATE	171.556	729007	10440960	1	2.66
7	7.40	SULFATE	74.837	466326	9628648	1	0.00
		Totals	1406.153	27403133	206120616		

File: 96031421.D19 Sample: 96-2617/118.COMP.W - A15



Data Reprocessed On 03/15/1996 15:00:55

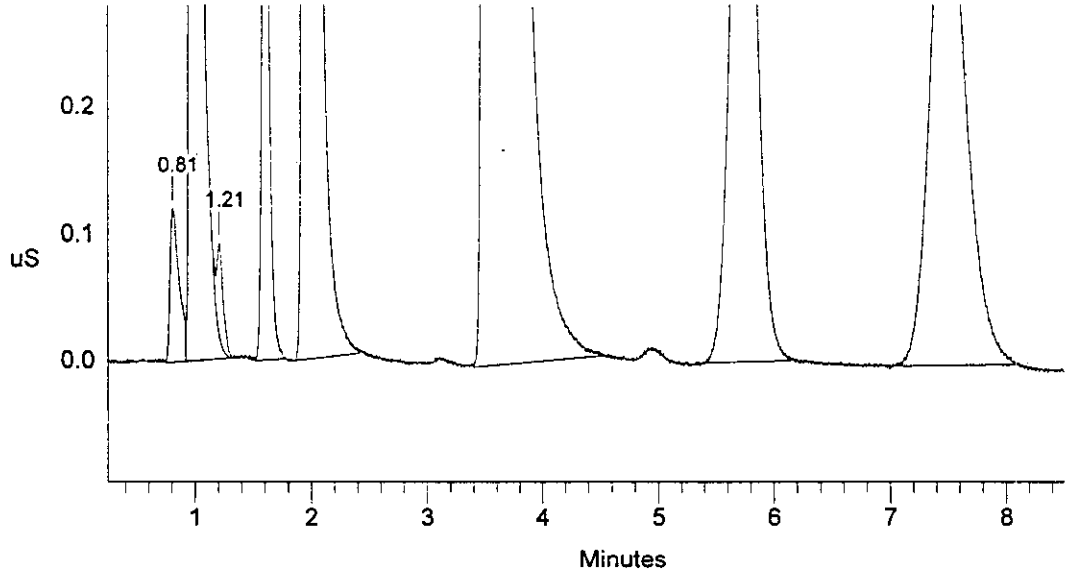
Sample Name: 96-3366/118.1A.W - A20	Date: 03/14/1996 13:34:58
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D20	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 20 Vial:A20	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3000	5Hz	0.25	8.50	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.81		0.000	120248	662158	2	
2	0.98	FLUORIDE	93.460	11841729	35796087	3	2.87
3	1.21		0.000	69008	233884	4	
4	1.61	CHLORIDE	17.658	540471	2196386	1	0.00
5	1.99	NITRITE	241.838	7501696	38551302	1	-1.12
6	3.56	NITRATE	707.179	8046408	93635438	1	0.00
7	5.74	PHOSPHATE	147.554	611693	8792366	1	1.42
8	7.49	SULFATE	70.572	431718	8886235	1	0.00
		Totals	1278.262	29162972	188753856		

File: 96031421.D20 Sample: 96-3366/118.1A.W - A20



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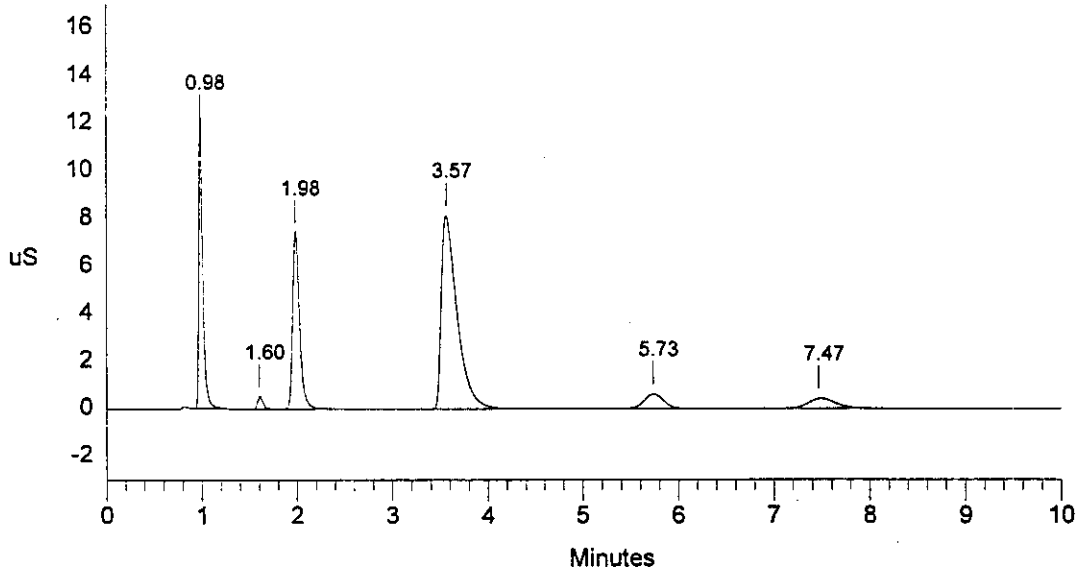
==========================================================================
| Sample Name: 96-3366/118.1A.W  - A20        Date: 03/14/1996 13:34:58     |
| Data File  : l:\iag\ic\icdata\9603142\96031421.D20                       |
| Method     : c:\dx\method\2anions2.met                                   |
| ACI Address: 1  System: 2  Inject#: 20  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)               |
==========================================================================
```

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	92.494	11810390	35387794	1	3.51
2	1.60	CHLORIDE	17.658	509797	2196386	1	0.00
3	1.98	NITRITE	241.293	7381621	38454669	1	-0.83
4	3.57	NITRATE	705.324	8113652	93374036	1	0.00
5	5.73	PHOSPHATE	147.276	609044	8773303	1	0.96
6	7.47	SULFATE	70.165	424578	8815341	1	0.00
		Totals	1274.210	28849082	187001529		

File: 96031421.D20 Sample: 96-3366/118.1A.W - A20



Data Reprocessed On 03/15/1996 15:06:34

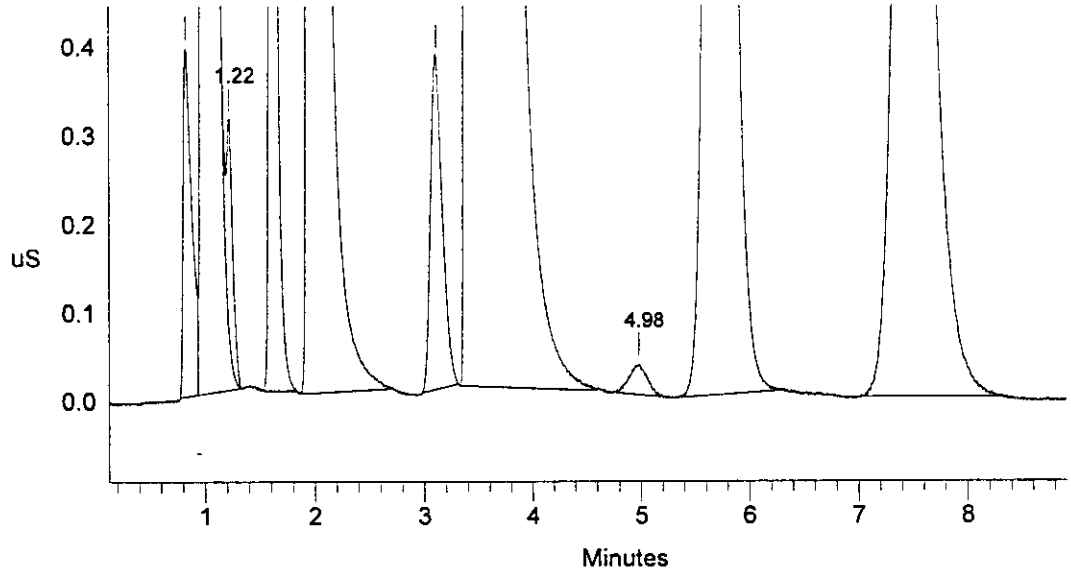
Sample Name: 96-2617/118.COMP.W - A15	Date: 03/14/1996 13:56:49
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D21	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 21 Vial:A15	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	1	3000	5Hz	0.12	8.90	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.83		0.000	391388	2129834	2	
2	1.00	FLUORIDE	101.666	39790911	125780356	3	4.10
3	1.22		0.000	237970	789869	4	
4	1.62	CHLORIDE	12.305	1741871	7215686	1	0.00
5	2.01	NITRITE	267.842	26558930	138181092	1	-0.94
6	3.12	BROMIDE	10.754	373428	2809481	1	0.17
7	3.46	NITRATE	766.363	27844057	344887345	1	0.00
8	4.98		0.000	33469	387789	1	
9	5.73	PHOSPHATE	166.863	2368452	33465787	1	3.91
10	7.50	SULFATE	62.811	1443647	29519901	1	0.00
		Totals	1388.604	100784123	685167140		

File: 96031421.D21 Sample: 96-2617/118.COMP.W - A15



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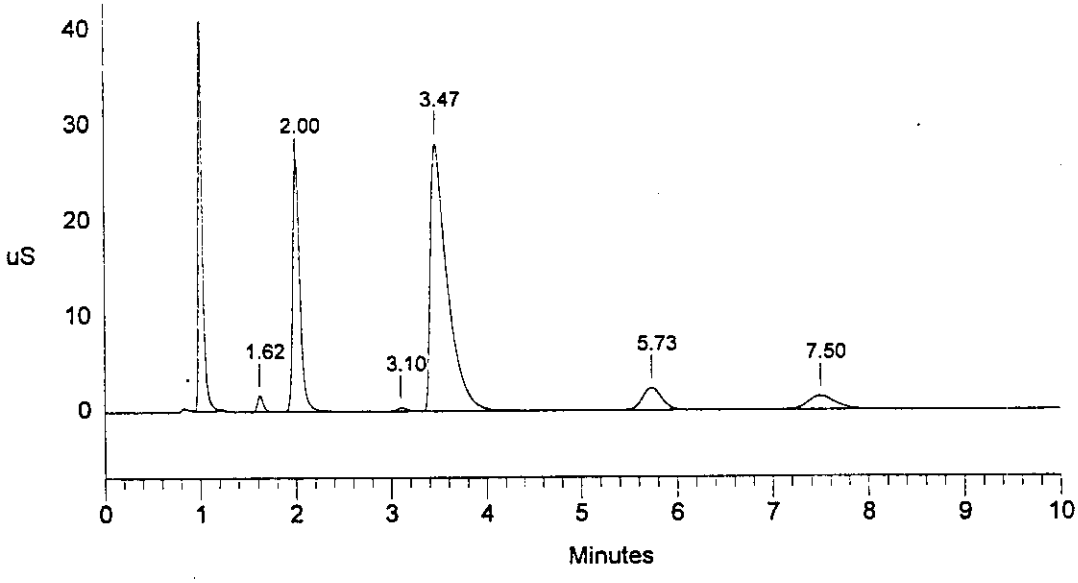
==============================================================================
| Sample Name: 96-2617/118.COMP.W  - A15      Date: 03/14/1996 13:56:49      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D21                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 21  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	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	100.586	37006965	124392857	1	4.18
2	1.62	CHLORIDE	12.305	1675443	7215686	1	0.00
3	2.00	NITRITE	267.541	25316369	138020981	1	-1.03
4	3.10	BROMIDE	10.677	364158	2787984	1	0.04
5	3.47	NITRATE	766.338	27974834	344873901	1	0.00
6	5.73	PHOSPHATE	166.562	2366502	33401544	1	3.87
7	7.50	SULFATE	62.357	1438357	29279787	1	0.00
		Totals	1386.366	96142628	679972740		

File: 96031421.D21 Sample: 96-2617/118.COMP.W - A15



Data Reprocessed On 03/15/1996 15:09:31

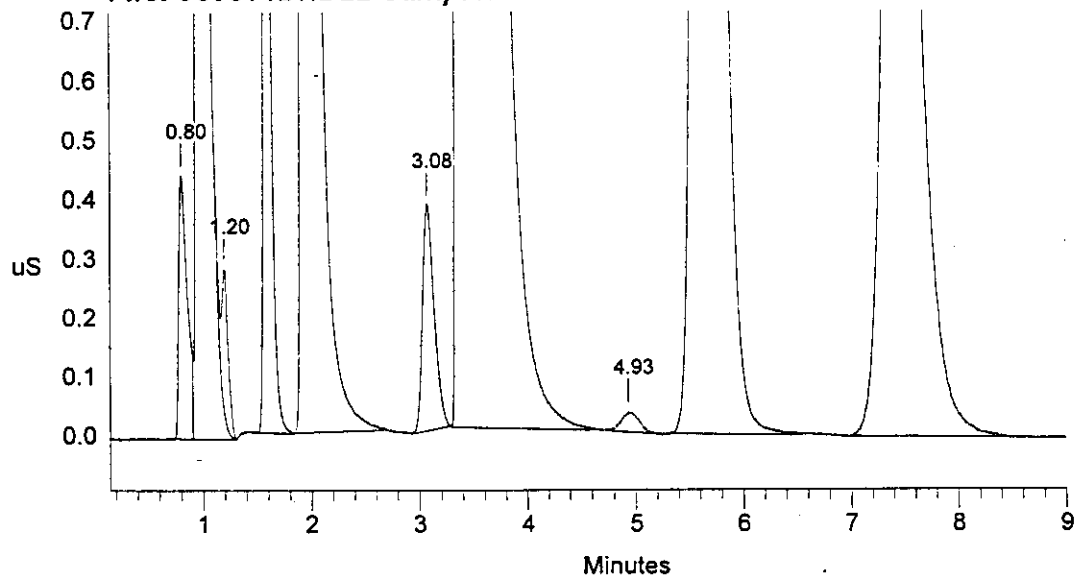
Sample Name:	MS96-2617/118.COMP.W - A17 Date: 03/14/1996 14:08:04
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D22
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 22 Vial:A17 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	0.15	9.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.80		0.000	444567	2405596	2	
2	0.98	FLUORIDE	83.314	32532834	102241034	3	3.02
3	1.20		0.000	238182	934123	4	
4	1.60	CHLORIDE	13.138	1898304	7870098	1	0.00
5	1.98	NITRITE	268.905	26883095	138746939	1	-0.63
6	3.08	BROMIDE	10.829	379687	2830160	1	0.54
7	3.42	NITRATE	818.286	29779168	373251686	1	0.00
8	4.93		0.000	33622	370403	1	
9	5.66	PHOSPHATE	337.651	5011217	71053852	1	3.90
10	7.46	SULFATE	83.069	1949035	40255234	1	0.00
		Totals	1615.192	99149711	739959125		

File: 96031421.D22 Sample: MS96-2617/118.COMP.W - A17



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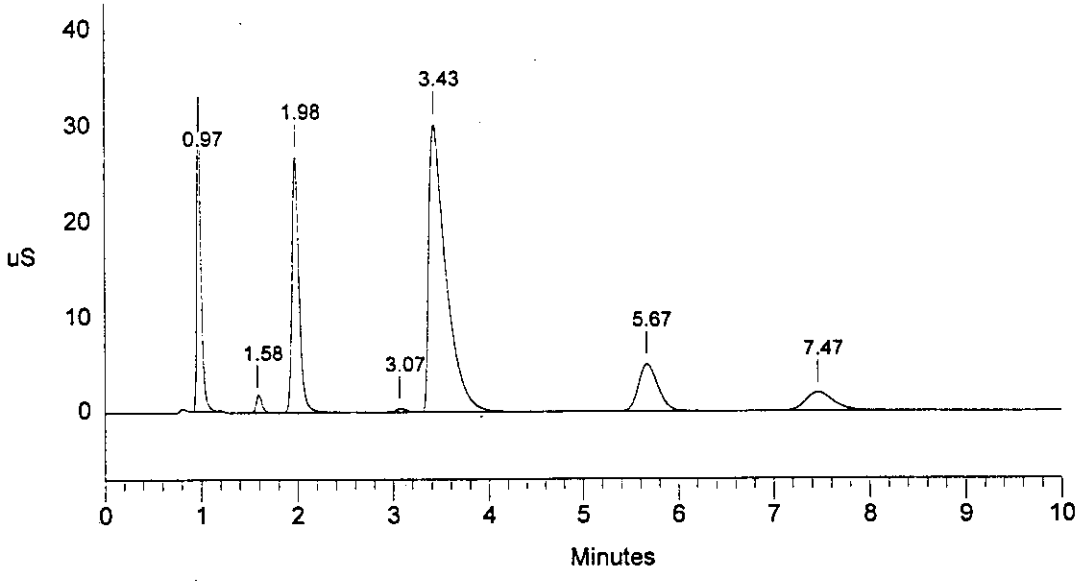
==============================================================================
| Sample Name: MS96-2617/118.COMP.W  - A17    Date: 03/14/1996 14:08:04      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D22                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 22  Vial:A17        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	81.755	23939200	100245389	1	2.83
2	1.58	CHLORIDE	13.103	1619144	7842846	1	0.00
3	1.98	NITRITE	268.457	26881970	138508787	1	0.21
4	3.07	BROMIDE	10.650	360329	2780504	1	1.05
5	3.43	NITRATE	817.505	30213436	372818032	1	0.00
6	5.67	PHOSPHATE	336.507	5030711	70794437	1	3.66
7	7.47	SULFATE	82.338	1950848	39866596	1	0.00
		Totals	1610.316	89995637	732856590		

File: 96031421.D22 Sample: MS96-2617/118.COMP.W - A17



Data Reprocessed On 03/15/1996 15:11:48

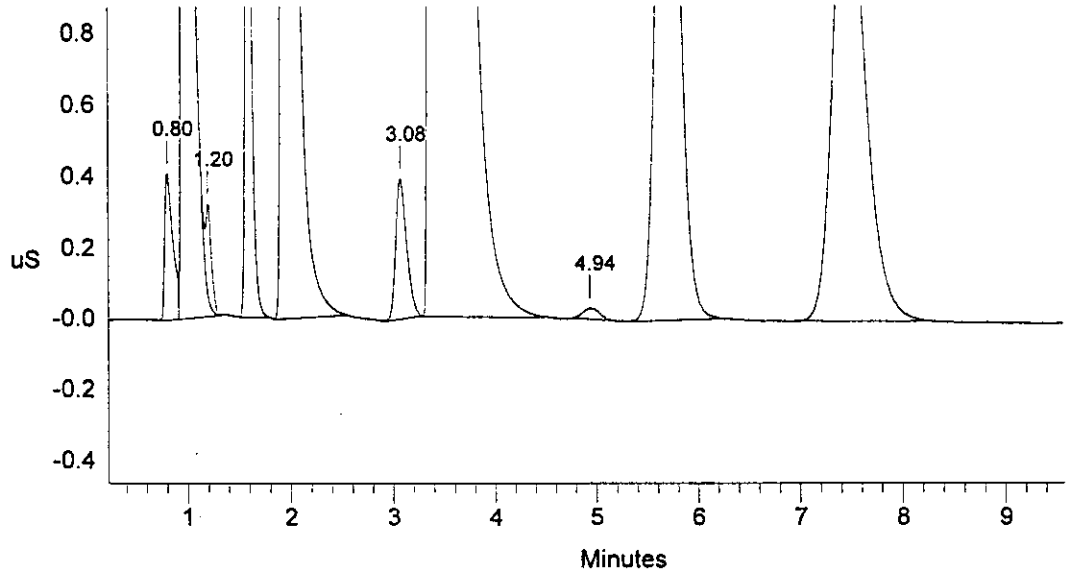
Sample Name: DUP96-2617/118.COMP.W - A16 Date: 03/14/1996 14:19:20
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D23
Method : c:\dx\method\2anions2.met
ACI Address: 1 System: 2 Inject#: 23 Vial:A16 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	0.22	9.57	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.80		0.000	411599	2221102	2	
2	0.98	FLUORIDE	107.479	43355014	133254674	3	3.72
3	1.20		0.000	250140	834648	4	
4	1.60	CHLORIDE	12.360	1791148	7258802	1	0.00
5	1.98	NITRITE	271.922	27414304	140353149	1	-0.63
6	3.08	BROMIDE	11.210	393591	2935851	1	0.54
7	3.44	NITRATE	782.347	29074447	353525137	1	0.00
8	4.94		0.000	31571	351378	1	
9	5.70	PHOSPHATE	167.751	2386351	33655479	1	4.23
10	7.46	SULFATE	64.158	1472283	30231562	1	0.00
		Totals	1417.226	106580447	704621783		

File: 96031421.D23 Sample: DUP96-2617/118.COMP.W - A16



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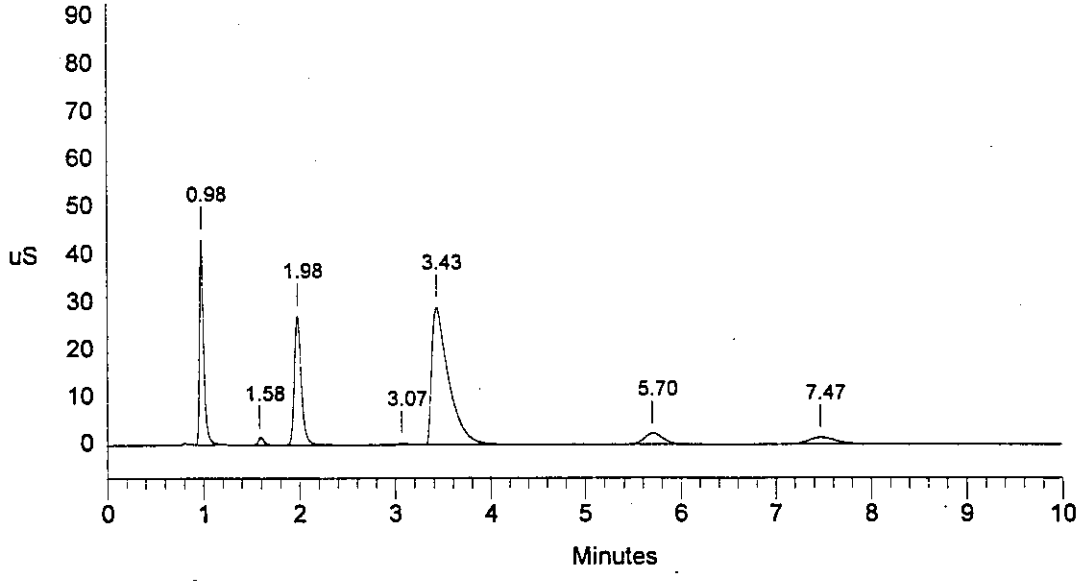
==============================================================================
| Sample Name: DUP96-2617/118.COMP.W  - A16   Date: 03/14/1996 14:19:20      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D23                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 23  Vial:A16        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	106.373	43240584	131832452	1	4.60
2	1.58	CHLORIDE	12.444	1539732	7324704	1	0.00
3	1.98	NITRITE	272.090	27413868	140442680	1	0.21
4	3.07	BROMIDE	11.078	378836	2899348	1	1.05
5	3.43	NITRATE	782.126	29067148	353405331	1	0.00
6	5.70	PHOSPHATE	167.883	2380926	33683864	1	4.27
7	7.47	SULFATE	64.050	1480454	30174219	1	0.00
		Totals	1416.044	105501550	699762597		

File: 96031421.D23 Sample: DUP96-2617/118.COMP.W - A16



Data Reprocessed On 03/15/1996 15:14:59

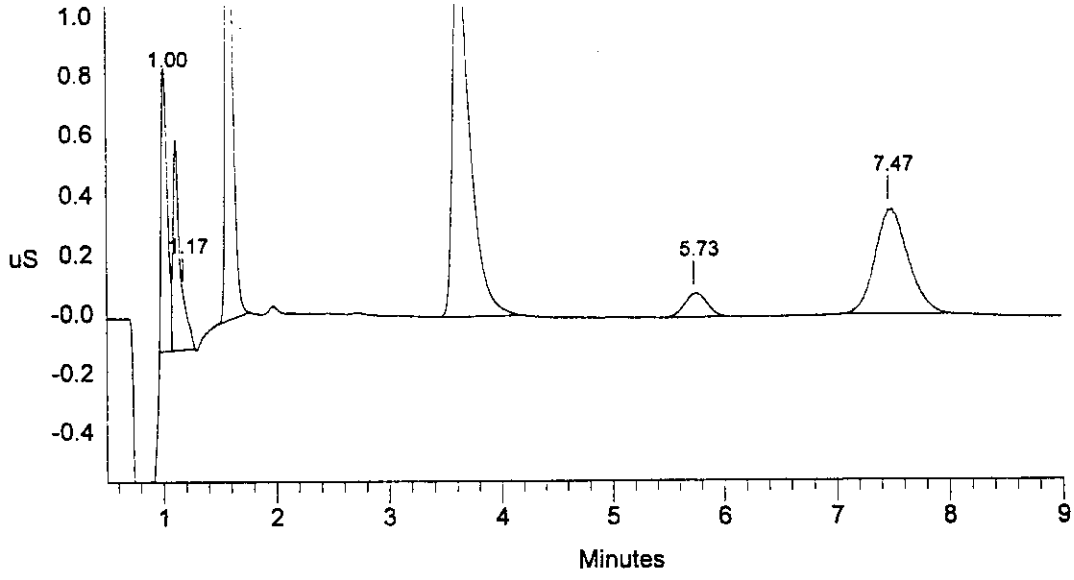
Sample Name: 96-2617/BLK - A13	Date: 03/14/1996 14:31:24
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D24	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 24 Vial:A13	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.50	9.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00	FLUORIDE	0.170	828250	3562934	2	6.37
2	1.17		0.000	196885	3103217	2	
3	1.58	CHLORIDE	0.421	1954113	8578861	1	0.00
4	3.60	NITRATE	1.185	1074020	13399224	1	0.00
5	5.73	PHOSPHATE	0.356	78637	1155743	1	0.02
6	7.47	SULFATE	0.608	349849	7188730	1	0.00
		Totals	2.740	4481753	36988708		

File: 96031421.D24 Sample: 96-2617/BLK - A13



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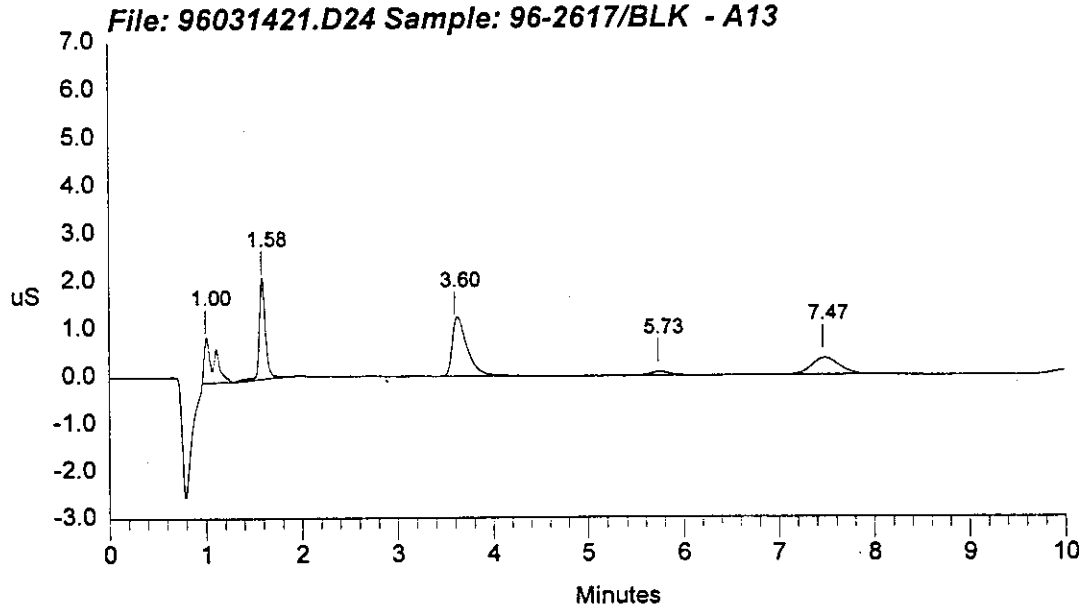
==============================================================================
| Sample Name: 96-2617/BLK  - A13              Date: 03/14/1996 14:31:24      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D24                          |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 24  Vial:A13        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                  |
==============================================================================
```

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	1.00	FLUORIDE	0.244	828250	6666150	1	6.37
2	1.58	CHLORIDE	0.458	1990251	9552394	1	0.00
3	3.60	NITRATE	1.189	1074458	13449301	1	0.00
4	5.73	PHOSPHATE	0.356	78637	1155743	1	0.02
5	7.47	SULFATE	0.608	349849	7188730	1	0.00
		Totals	2.855	4321446	38012318		



Data Reprocessed On 03/15/1996 15:23:34

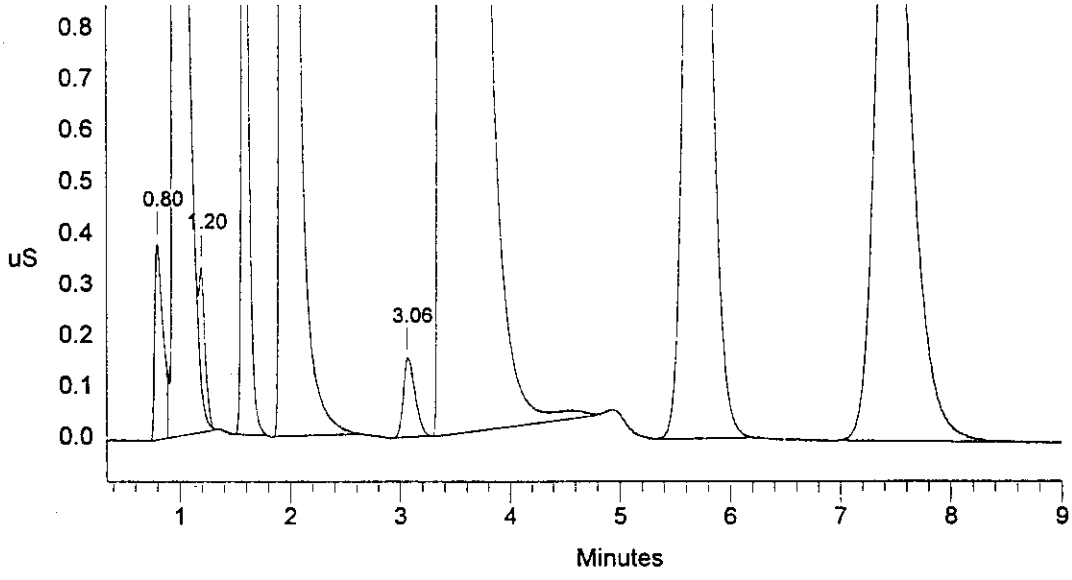
Sample Name: 96-2618/119.COMP.W - A18	Date: 03/14/1996 14:54:43.
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D26	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 26 Vial:A18	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	0.34	9.00		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.80		0.000	383512	1983194	2	
2	0.98	FLUORIDE	126.511	50725341	157786187	3	4.16
3	1.20		0.000	227798	659711	4	
4	1.59	CHLORIDE	11.482	1598206	6570237	1	0.00
5	1.98	NITRITE	230.791	23278231	118459048	1	-0.55
6	3.06	BROMIDE	4.736	150669	1145088	1	0.52
7	3.44	NITRATE	737.052	27287674	329253352	1	0.00
8	5.70	PHOSPHATE	162.631	2308686	32562133	1	4.23
9	7.46	SULFATE	62.930	1433227	29582818	1	0.00
		Totals	1336.133	107393344	678001767		

File: 96031421.D26 Sample: 96-2618/119.COMP.W - A18



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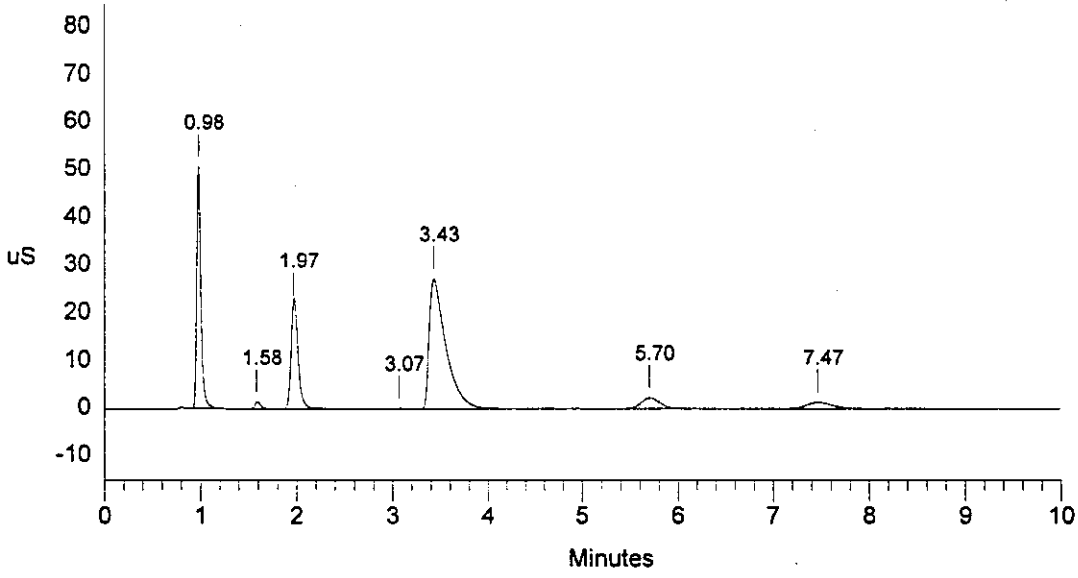
| Sample Name: 96-2618/119.COMP.W  - A18      Date: 03/14/1996 14:54:43      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D26                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 26  Vial:A18        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	125.242	50621162	156148434	1	4.60
2	1.58	CHLORIDE	11.506	1473056	6589576	1	0.00
3	1.97	NITRITE	230.680	21735057	118399980	1	-0.63
4	3.07	BROMIDE	4.702	152653	1135573	1	1.05
5	3.43	NITRATE	734.642	27234443	327979692	1	0.00
6	5.70	PHOSPHATE	162.304	2301168	32492382	1	4.27
7	7.47	SULFATE	62.340	1427045	29270791	1	0.00
		Totals	1331.417	104944584	672016428		

File: 96031421.D26 Sample: 96-2618/119.COMP.W - A18



Data Reprocessed On 03/15/1996 15:26:13

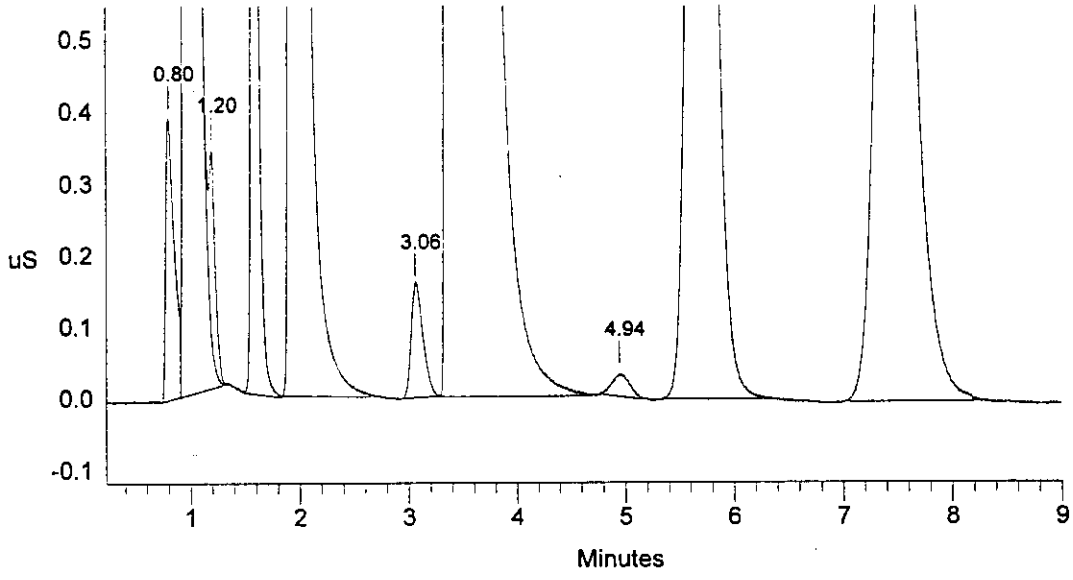
Sample Name:	DUP96-2618/119.COMP.W - A19 Date: 03/14/1996 15:05:59
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D27
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 27 Vial:A19 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	1	3000	5Hz	0.22	9.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.80		0.000	391963	2128098	2	
2	0.98	FLUORIDE	130.825	50734433	163359935	3	3.45
3	1.20		0.000	262761	983193	4	
4	1.59	CHLORIDE	11.646	1620435	6698844	1	0.00
5	1.98	NITRITE	235.118	23727563	120762177	1	-0.55
6	3.06	BROMIDE	4.853	155113	1177166	1	0.52
7	3.42	NITRATE	751.326	27472849	336834011	1	0.00
8	4.94		0.000	30867	346023	1	
9	5.70	PHOSPHATE	168.595	2394363	33835930	1	4.63
10	7.46	SULFATE	63.824	1472314	30055171	1	0.00
		Totals	1366.186	108262659	696180548		

File: 96031421.D27 Sample: DUP96-2618/119.COMP.W - A19



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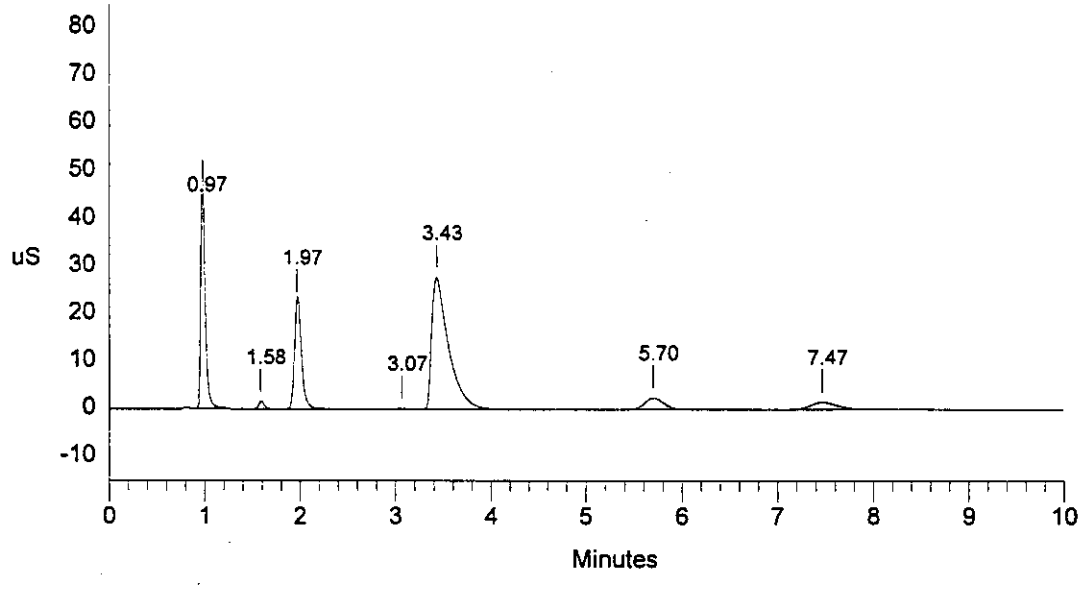
==========================================================================
| Sample Name: DUP96-2618/119.COMP.W  - A19   Date: 03/14/1996 15:05:59   |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D27                     |
| Method     : c:\dx\method\2anions2.met                                 |
| ACI Address: 1  System: 2  Inject#: 27  Vial:A19       Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)             |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	129.983	37684873	162271621	1	2.83
2	1.58	CHLORIDE	11.594	1523312	6658153	1	0.00
3	1.97	NITRITE	234.772	22523221	120578040	1	-0.63
4	3.07	BROMIDE	4.884	158038	1185897	1	1.05
5	3.43	NITRATE	750.513	27739720	336400312	1	0.00
6	5.70	PHOSPHATE	168.167	2393276	33744554	1	4.27
7	7.47	SULFATE	63.733	1477459	30006795	1	0.00
		Totals	1363.646	93499899	690845371		

File: 96031421.D27 Sample: DUP96-2618/119.COMP.W - A19



Data Reprocessed On 03/15/1996 15:28:58

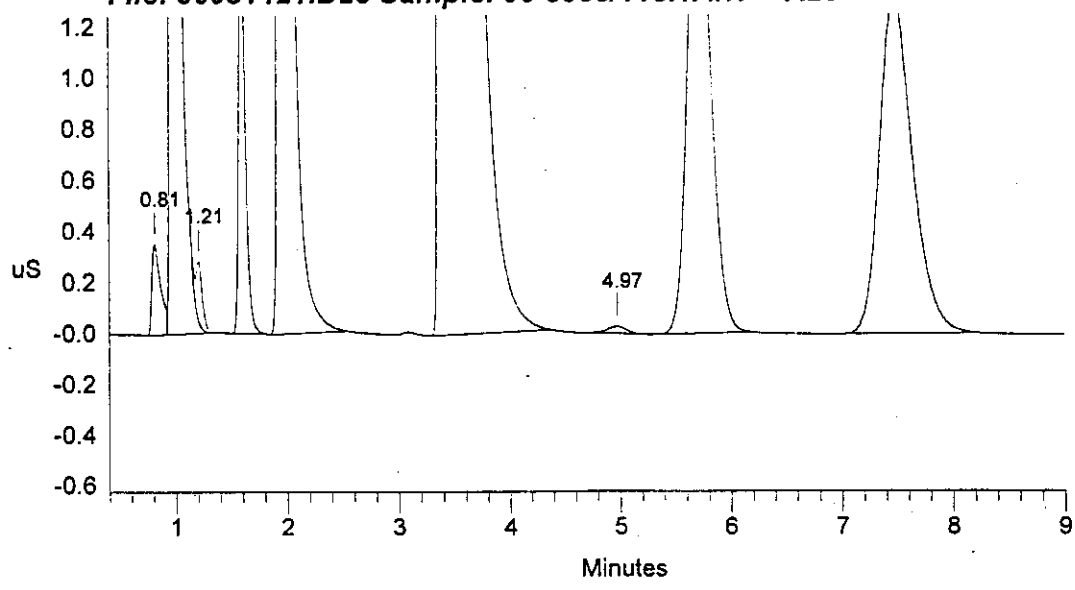
Sample Name: 96-3365/118.1A.W - A20	Date: 03/14/1996 15:17:17
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D28	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 28 Vial:A20	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	1	3000	5Hz	0.40	9.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.81		0.000	356494	1938691	2	
2	0.99	FLUORIDE	95.685	38870412	118099739	3	3.86
3	1.21		0.000	232517	849854	4	
4	1.60	CHLORIDE	11.551	1639765	6624760	1	0.00
5	1.99	NITRITE	243.468	24577394	125206544	1	-0.67
6	3.44	NITRATE	715.299	26264002	317816781	1	0.00
7	4.97		0.000	29546	309940	1	
8	5.72	PHOSPHATE	141.210	1987925	28007393	1	4.43
9	7.49	SULFATE	58.497	1342213	27242286	1	0.00
		Totals	1265.710	95300266	626095989		

File: 96031421.D28 Sample: 96-3365/118.1A.W - A20



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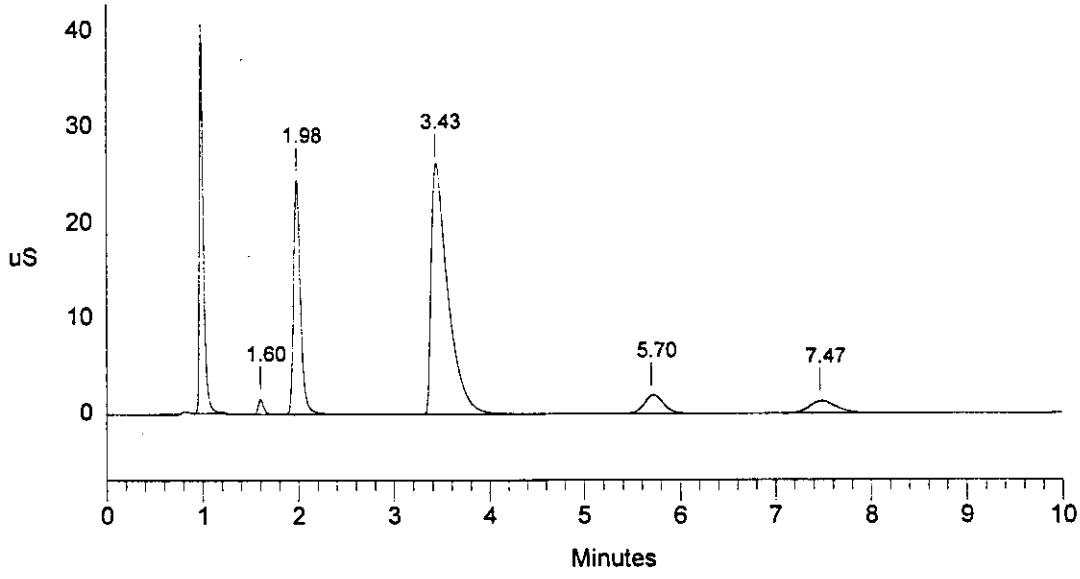
==============================================================================
| Sample Name: 96-3365/118.1A.W  - A20        Date: 03/14/1996 15:17:17      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D28                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 28  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	94.865	37290018	117046976	1	3.51
2	1.60	CHLORIDE	11.604	1641454	6665715	1	0.00
3	1.98	NITRITE	243.567	24489839	125259461	1	-0.83
4	3.43	NITRATE	716.186	25902299	318280442	1	0.00
5	5.70	PHOSPHATE	141.170	1918191	27998887	1	4.27
6	7.47	SULFATE	58.414	1306934	27198272	1	0.00
		Totals	1265.805	92548735	622449753		

File: 96031421.D28 Sample: 96-3365/118.1A.W - A20



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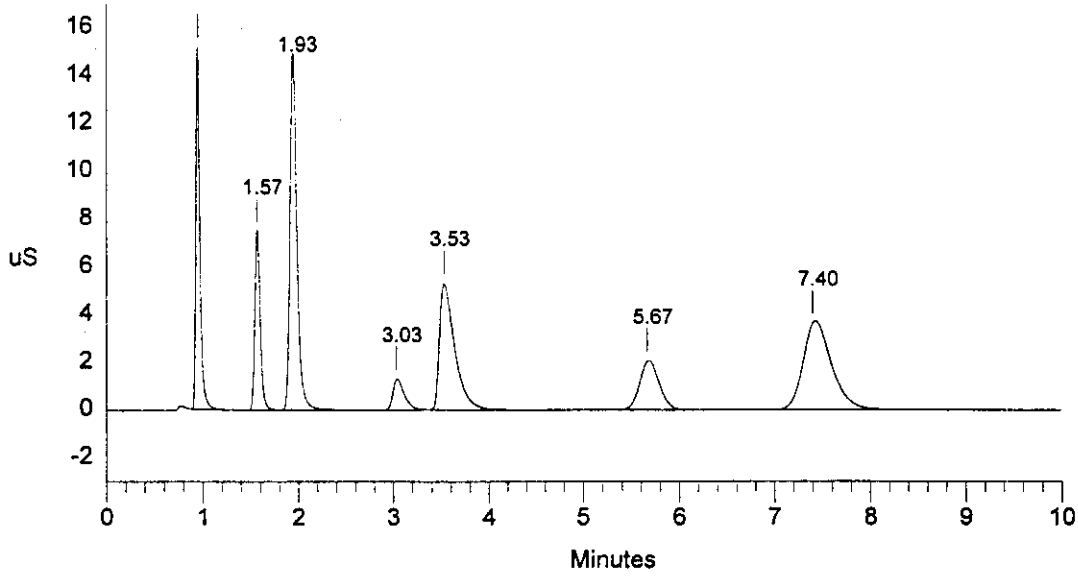
==============================================================================
| Sample Name: A960123V1/LO  - A05            Date: 03/14/1996 15:28:36      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D29                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 29  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	FLUORIDE	22.752	15132441	44376780	1	2.13
2	1.57	CHLORIDE	24.085	7445216	29407107	1	0.00
3	1.93	NITRITE	90.219	13395315	75658615	1	-1.28
4	3.03	BROMIDE	23.791	1277045	10930782	1	1.02
5	3.53	NITRATE	91.321	5283483	58831499	1	0.00
6	5.67	PHOSPHATE	88.302	2026310	29271304	1	0.72
7	7.40	SULFATE	89.841	3637723	76062400	1	0.00
		Totals	430.310	48197533	324538487		

File: 96031421.D29 Sample: A960123V1/LO - A05



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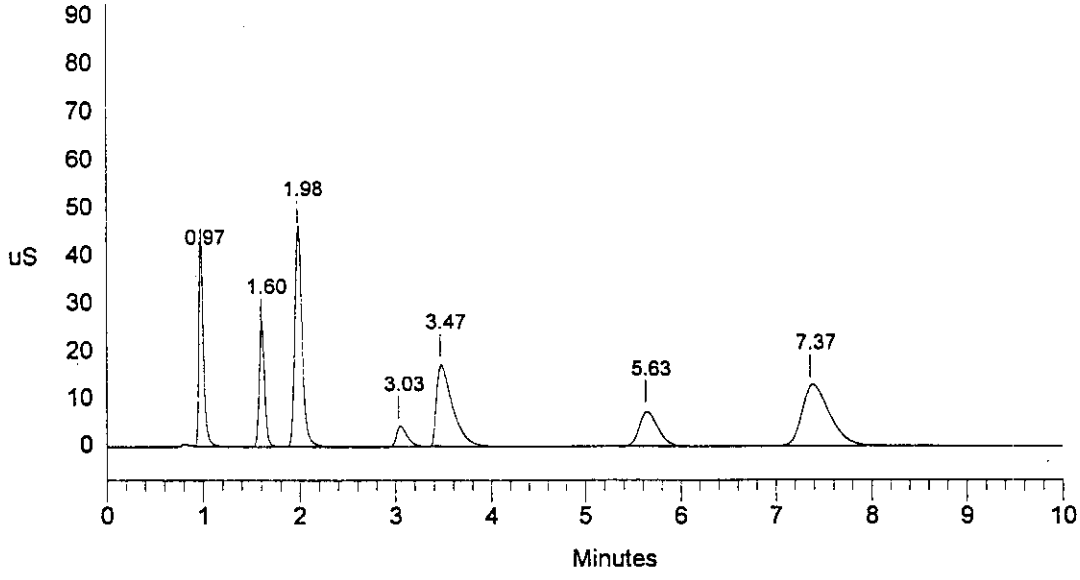
==============================================================================
| Sample Name: A960123V2/MID  - A05          Date: 03/14/1996 15:40:00       |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D30                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 30  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	FLUORIDE	23.652	34535198	147142960	1	1.75
2	1.60	CHLORIDE	24.908	24437953	101548554	1	0.00
3	1.98	NITRITE	95.344	44830769	249427052	1	-0.83
4	3.03	BROMIDE	24.114	3924408	34948445	1	-1.09
5	3.47	NITRATE	95.138	16883425	199915273	1	0.00
6	5.63	PHOSPHATE	93.791	7115488	101614924	1	2.06
7	7.37	SULFATE	94.328	12575434	260828456	1	0.00
		Totals	451.276	144302675	1095425663		

File: 96031421.D30 Sample: A960123V2/MID - A05



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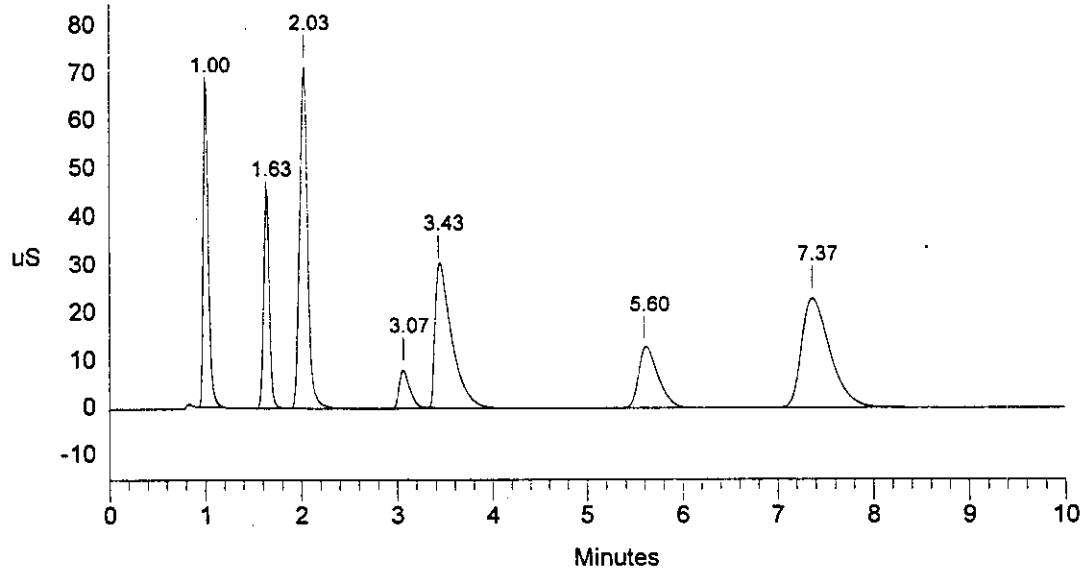
==============================================================================
| Sample Name: A960123V3/HI  - A05            Date: 03/14/1996 15:51:27      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D31                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 31  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00	FLUORIDE	24.000	62252265	253398797	1	3.11
2	1.63	CHLORIDE	25.288	40693614	185205572	1	0.00
3	2.03	NITRITE	95.477	71322511	419472616	1	-0.41
4	3.07	BROMIDE	24.105	8063087	61072738	1	-2.04
5	3.43	NITRATE	96.856	29369259	367084083	1	0.00
6	5.60	PHOSPHATE	95.171	12493249	185088669	1	2.44
7	7.37	SULFATE	95.626	23058386	473889459	1	0.00
		Totals	456.522	247252371	1945211934		

File: 96031421.D31 Sample: A960123V3/HI - A05



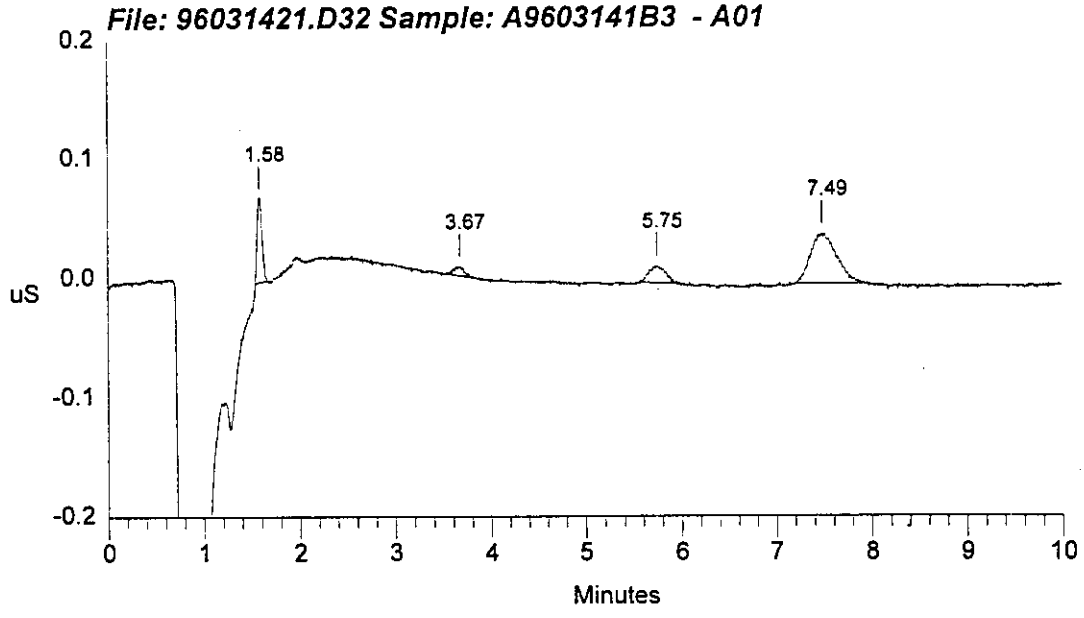
Data Reprocessed On 03/15/1996 15:34:32

Sample Name: A9603141B3 - A01	Date: 03/14/1996 16:03:31
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D32	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 32 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

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	1.58	CHLORIDE	0.101	70033	248192	1	0.00
2	3.67	NITRATE	0.168	7391	54971	1	0.00
3	5.75	PHOSPHATE	0.210	14570	167800	1	-1.75
4	7.49	SULFATE	0.239	41851	789163	1	0.00
		Totals	0.720	133845	1260125		



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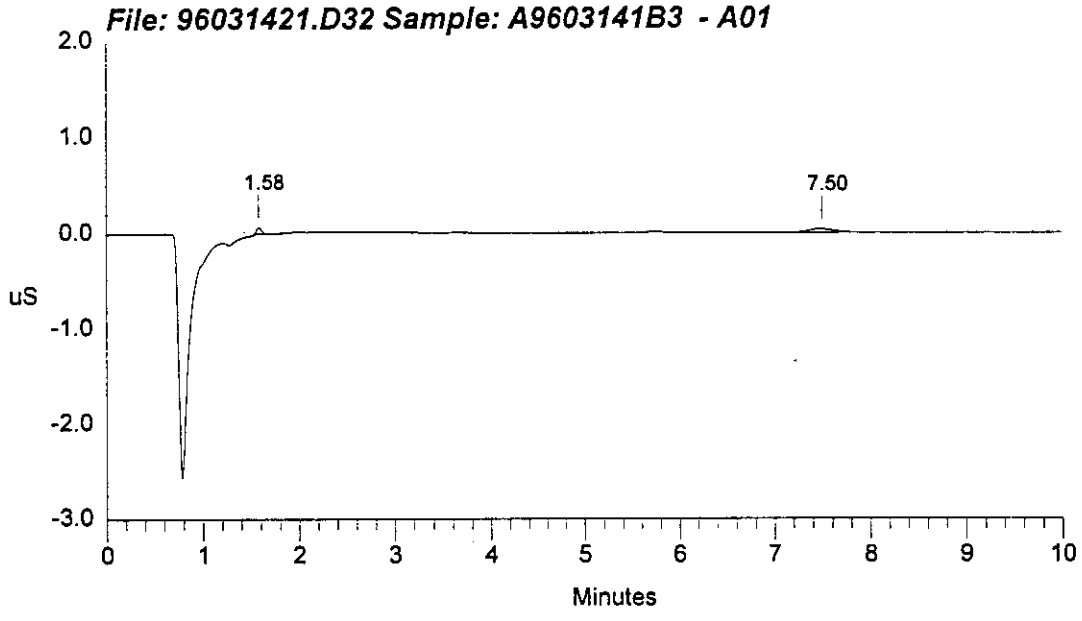
==============================================================================
| Sample Name: A9603141B3  - A01              Date: 03/14/1996 16:03:31      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D32                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 32  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	1.58	CHLORIDE	0.101	70033	248192	1	0.00
2	7.50	SULFATE	0.235	37543	710850	1	0.00
		Totals	0.336	107576	959042		



Data Reprocessed On 03/18/1996 15:53:34

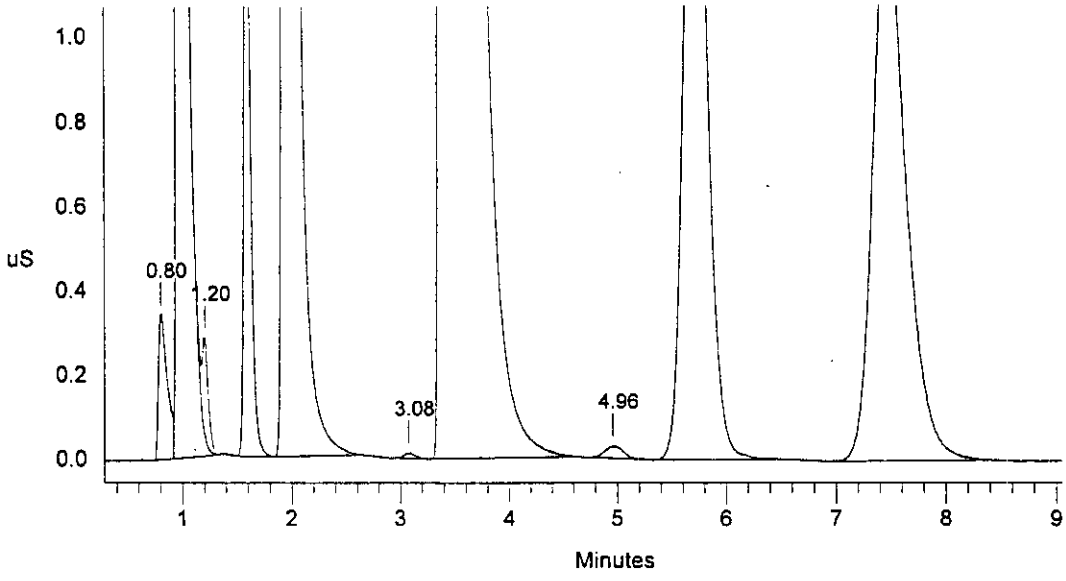
Sample Name: DUP96-3365/118.1A.W - A21	Date: 03/14/1996 16:14:46
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D33	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 33 Vial:A21	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	1	3000	5Hz	0.29	9.06	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.80		0.000	342187	1903106	2	
2	0.98	FLUORIDE	90.659	36907341	111651519	3	3.72
3	1.20		0.000	231825	746354	4	
4	1.60	CHLORIDE	11.456	1604573	6550441	1	0.00
5	1.98	NITRITE	241.376	24020532	124092941	1	-0.96
6	3.08	BROMIDE	0.922	12488	94889	1	0.54
7	3.44	NITRATE	710.297	26032068	315206463	1	0.00
8	4.96		0.000	28154	326242	1	
9	5.72	PHOSPHATE	138.876	1929062	27513070	1	4.47
10	7.48	SULFATE	58.236	1320307	27104633	1	0.00
		Totals	1251.822	92428539	615189658		

File: 96031421.D33 Sample: DUP96-3365/118.1A.W - A21



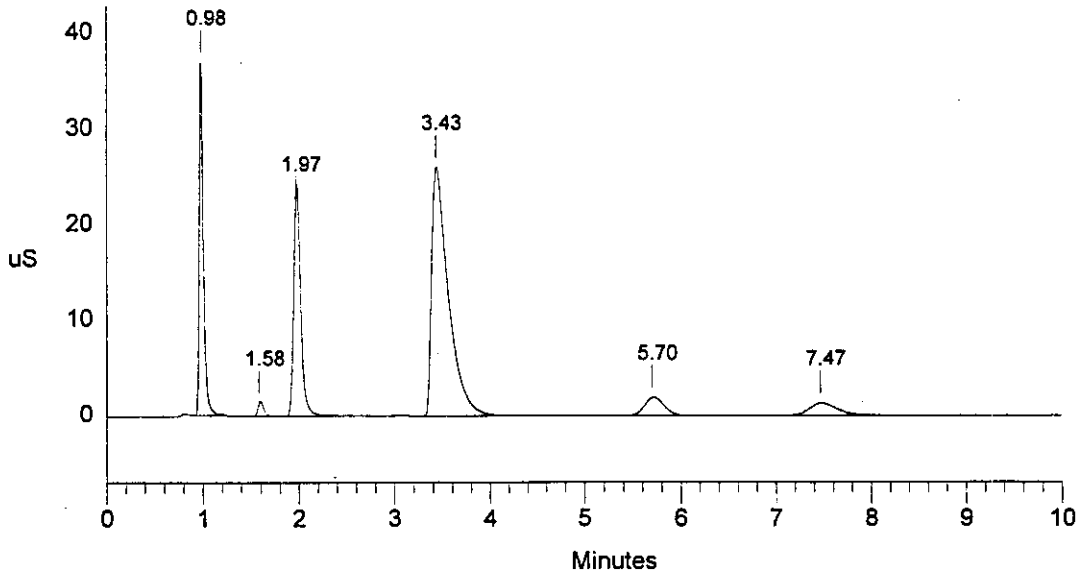
```
==============================================================================
| Sample Name: DUP96-3365/118.1A.W  - A21     Date: 03/14/1996 16:14:46      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D33                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 33  Vial:A21        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	89.766	36810901	110506399	1	4.60
2	1.58	CHLORIDE	11.423	1356186	6523852	1	0.00
3	1.97	NITRITE	241.137	21666925	123965683	1	-0.63
4	3.43	NITRATE	710.243	25925196	315178336	1	0.00
5	5.70	PHOSPHATE	138.021	1875067	27332160	1	4.27
6	7.47	SULFATE	57.661	1291017	26800920	1	0.00
		Totals	1248.249	88925293	610307350		

File: 96031421.D33 Sample: DUP96-3365/118.1A.W - A21



Data Reprocessed On 03/15/1996 15:40:27

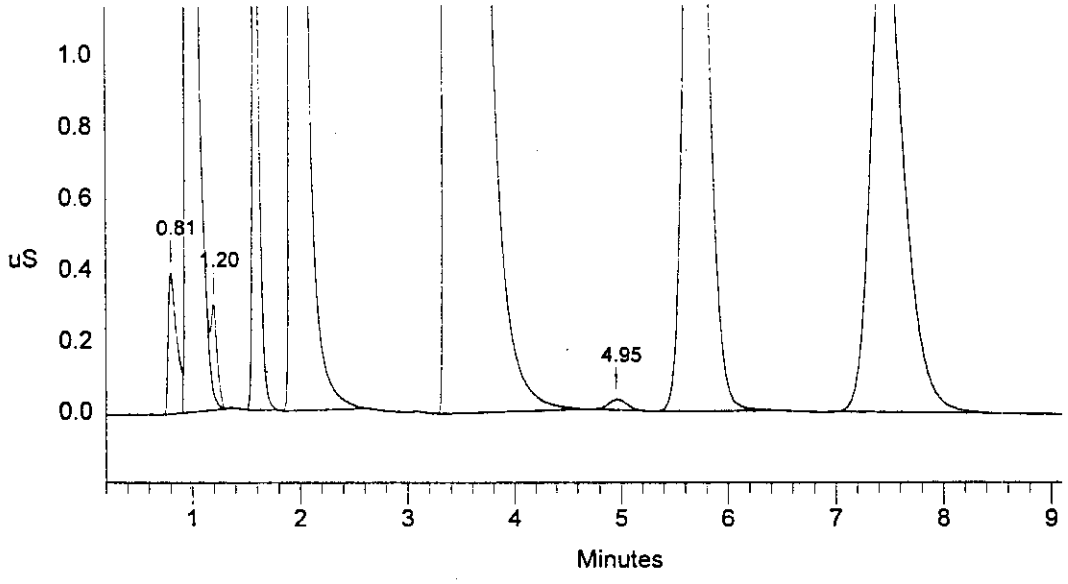
Sample Name: 96-3366/118.1B.W - A22		Date: 03/14/1996 16:26:01
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D34		
Method : c:\dx\method\2anions2.met		
ACI Address: 1 System: 2 Inject#: 34 Vial:A22		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	1	3000	5Hz	0.20	9.10	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.81		0.000	396551	2178139	2	
2	0.98	FLUORIDE	100.655	40203005	124481790	3	3.59
3	1.20		0.000	245826	812908	4	
4	1.59	CHLORIDE	12.236	1738639	7161646	1	0.00
5	1.98	NITRITE	261.766	26416519	134947068	1	-0.59
6	3.42	NITRATE	764.272	28036492	343763051	1	0.00
7	4.95		0.000	28736	342523	1	
8	5.70	PHOSPHATE	177.179	2509181	35673756	1	4.67
9	7.47	SULFATE	62.818	1445056	29523504	1	0.00
		Totals	1378.926	101020004	678884387		

File: 96031421.D34 Sample: 96-3366/118.1B.W - A22



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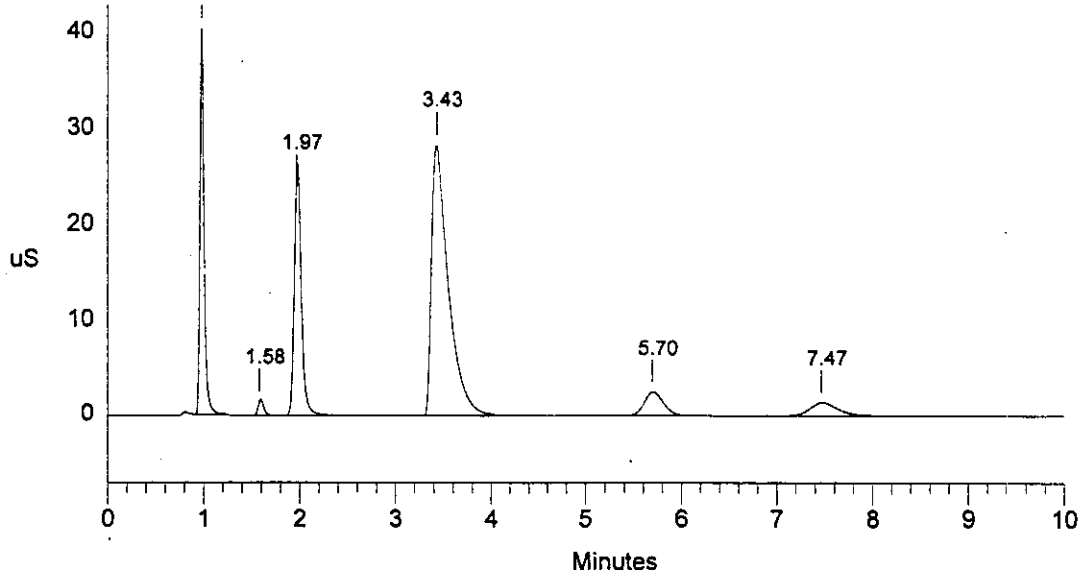
==============================================================================
| Sample Name: 96-3366/118.1B.W  - A22        Date: 03/14/1996 16:26:01      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D34                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 34  Vial:A22        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	99.519	40343993	123022730	1	4.60
2	1.58	CHLORIDE	12.244	1547007	7167890	1	0.00
3	1.97	NITRITE	261.452	24000823	134779813	1	-0.63
4	3.43	NITRATE	763.570	28389390	343385746	1	0.00
5	5.70	PHOSPHATE	175.894	2505589	35398294	1	4.27
6	7.47	SULFATE	62.418	1436476	29312016	1	0.00
		Totals	1375.096	98223279	673066489		

File: 96031421.D34 Sample: 96-3366/118.1B.W - A22



Data Reprocessed On 03/15/1996 15:42:55

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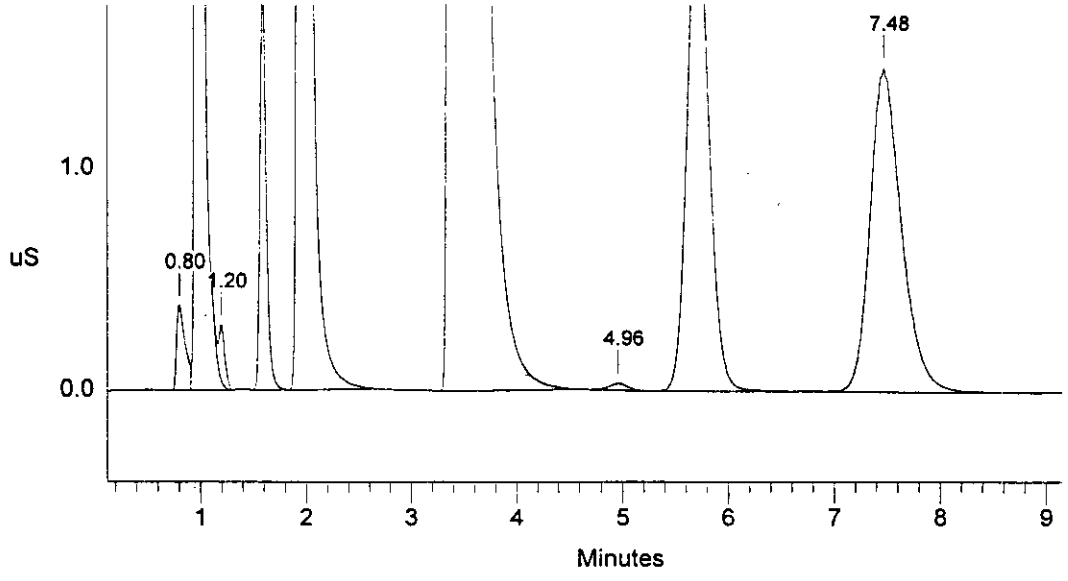
| Sample Name: DUP96-3366/118.1B.W  - A23     Date: 03/14/1996 16:37:16      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D35               |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 35  Vial:A23        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	0.12	9.15	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.80		0.000	379421	2098025	2	
2	0.98	FLUORIDE	78.171	31889364	95658593	3	3.45
3	1.20		0.000	248913	823997	4	
4	1.59	CHLORIDE	12.524	1815025	7387652	1	0.00
5	1.98	NITRITE	268.193	26872817	138368197	1	-0.55
6	3.42	NITRATE	779.087	29052735	351756892	1	0.00
7	4.96		0.000	30836	370185	1	
8	5.70	PHOSPHATE	159.369	2233697	31866381	1	4.63
9	7.48	SULFATE	63.528	1450053	29898722	1	0.00
		Totals	1360.871	93972861	658228643		

File: 96031421.D35 Sample: DUP96-3366/118.1B.W - A23



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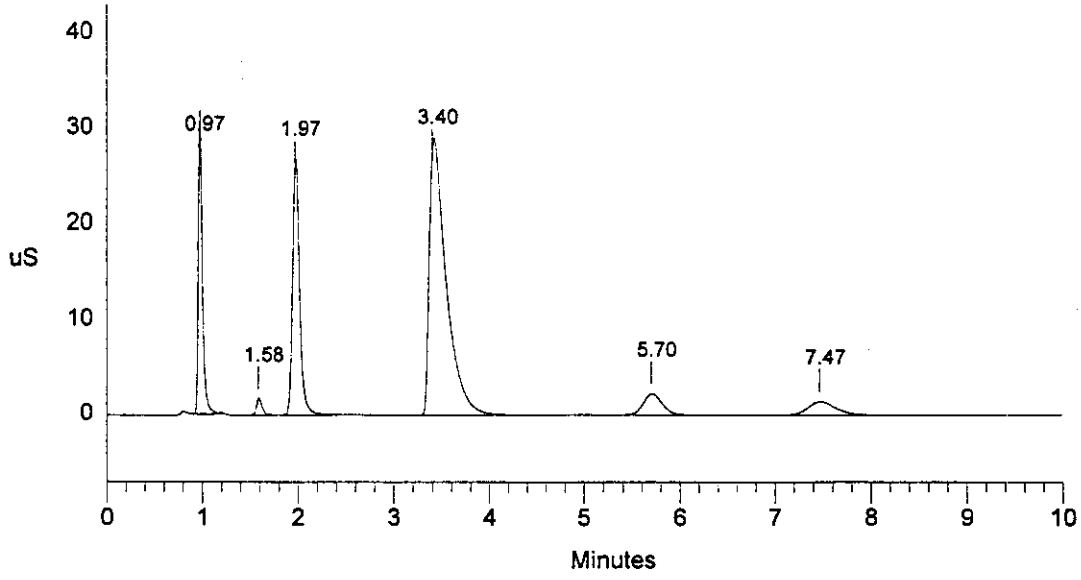
| Sample Name: DUP96-3366/118.1B.W  - A23     Date: 03/14/1996 16:37:16      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D35                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 35  Vial:A23        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	1	3000	5Hz	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	77.043	25735110	94215966	1	2.83
2	1.58	CHLORIDE	12.503	1679257	7371563	1	0.00
3	1.97	NITRITE	267.942	25321609	138234335	1	-0.63
4	3.40	NITRATE	779.198	26534419	351816935	1	0.00
5	5.70	PHOSPHATE	157.674	2218445	31505242	1	5.29
6	7.47	SULFATE	62.679	1425212	29450254	1	0.00
		Totals	1357.039	82914052	652594294		

File: 96031421.D35 Sample: DUP96-3366/118.1B.W - A23



Data Reprocessed On 03/15/1996 15:46:52

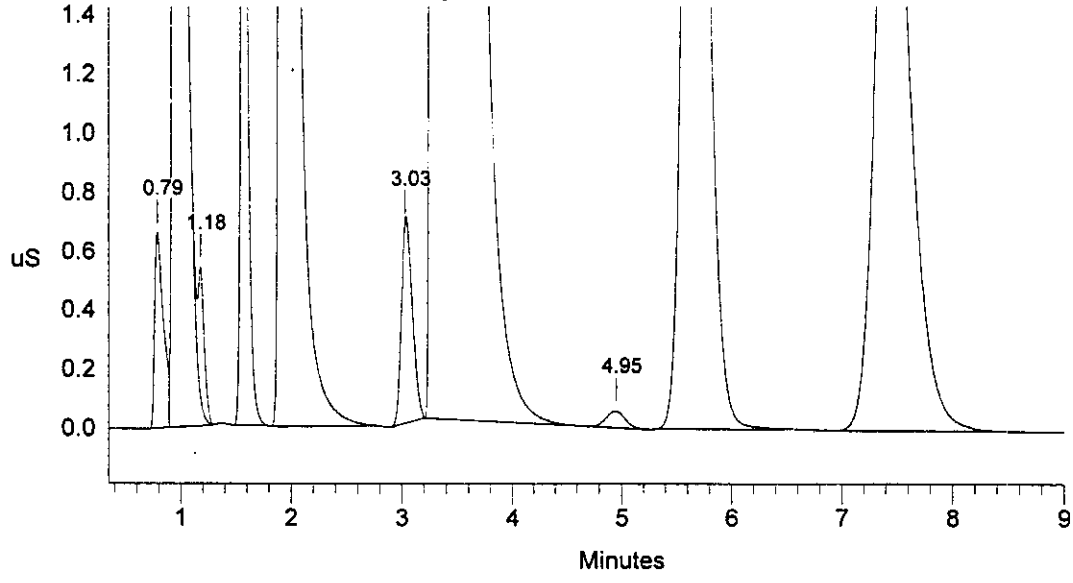
Sample Name: 96-2617/118.COMP.W - A15	Date: 03/14/1996 16:48:37
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D36	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 36 Vial:A15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.35	9.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.79		0.000	663435	3659337	2	
2	0.97	FLUORIDE	104.260	65549602	219104880	3	3.04
3	1.18		0.000	437613	1626374	4	
4	1.58	CHLORIDE	11.368	3009198	12447052	1	0.00
5	1.97	NITRITE	274.743	44517880	239401603	1	-0.42
6	3.03	BROMIDE	10.654	675915	4757647	1	0.17
7	3.34	NITRATE	729.330	49712545	630727154	1	0.00
8	4.95		0.000	56858	682682	1	
9	5.66	PHOSPHATE	174.059	4286362	60358533	1	6.43
10	7.43	SULFATE	62.804	2524163	51777189	1	0.00
		Totals	1367.216	171433571	1224542451		

File: 96031421.D36 Sample: 96-2617/118.COMP.W - A15



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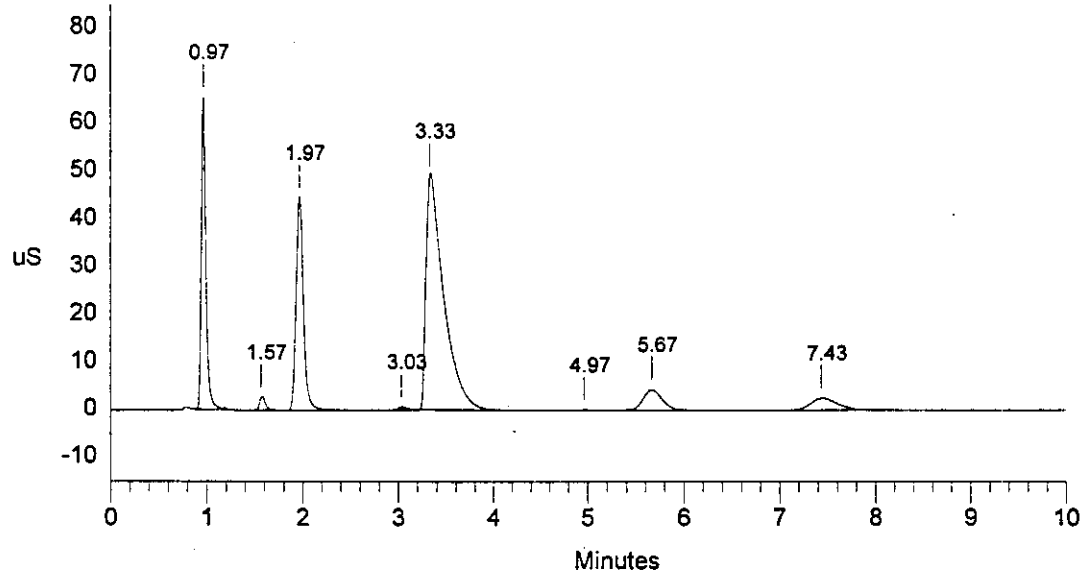
| Sample Name: 96-2617/118.COMP.W  - A15      Date: 03/14/1996 16:48:37      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D36                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 36  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	103.188	65350735	216776197	1	3.92
2	1.57	CHLORIDE	11.389	2703837	12474521	1	0.00
3	1.97	NITRITE	274.781	44517453	239435763	1	0.43
4	3.03	BROMIDE	10.580	674461	4723312	1	1.02
5	3.33	NITRATE	724.482	48890231	624463985	1	0.00
6	4.97	PHOSPHATE	5.639	53370	653501	1	-6.42
7	5.67		0.000	4305170	60138668	1	
8	7.43	SULFATE	62.597	2522632	51592856	1	0.00
		Totals	1192.656	169017890	1210258803		

File: 96031421.D36 Sample: 96-2617/118.COMP.W - A15



Data Reprocessed On 03/15/1996 15:49:45

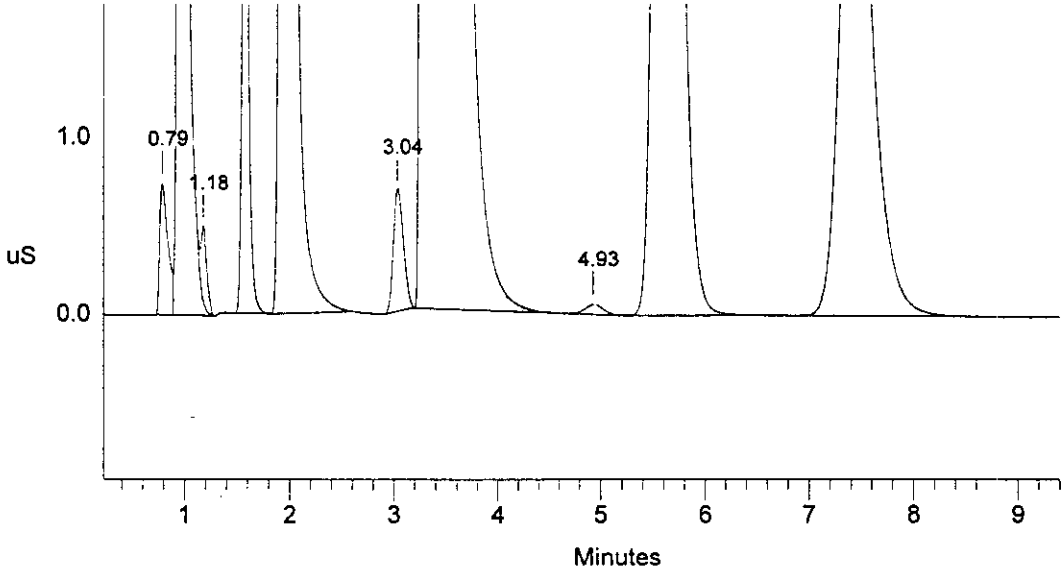
Sample Name:	MS96-2617/118.COMP.W - A17 Date: 03/14/1996 16:59:57
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D37
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 37 Vial:A17 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	1	3000	5Hz	0.22	9.40	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.79		0.000	741287	4042367	2	
2	0.96	FLUORIDE	84.349	53556309	175982910	3	2.90
3	1.18		0.000	404074	1335822	4	
4	1.58	CHLORIDE	12.153	3244307	13481786	1	0.00
5	1.97	NITRITE	276.851	45084067	241273397	1	-0.04
6	3.04	BROMIDE	10.477	675610	4675422	1	0.49
7	3.33	NITRATE	766.911	53304911	681540521	1	0.00
8	4.93		0.000	58111	669434	1	
9	5.61	PHOSPHATE	348.874	9141142	129148556	1	5.81
10	7.44	SULFATE	83.183	3423912	70049885	1	0.00
11	9.69		0.000	3868	48371	1	
		Totals	1582.797	169637596	1322248470		

File: 96031421.D37 Sample: MS96-2617/118.COMP.W - A17



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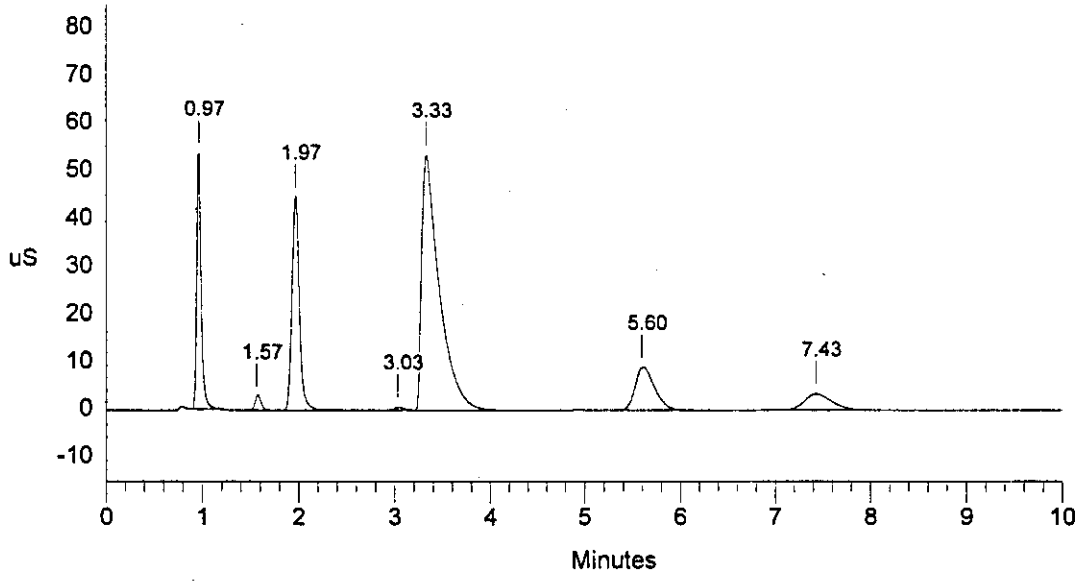
| Sample Name: MS96-2617/118.COMP.W  - A17    Date: 03/14/1996 16:59:57      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D37                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 37  Vial:A17        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	82.779	53626857	172594797	1	3.92
2	1.57	CHLORIDE	12.162	2887276	13494564	1	0.00
3	1.97	NITRITE	276.864	44650047	241284945	1	0.43
4	3.03	BROMIDE	9.594	652358	4264978	1	1.02
5	3.33	NITRATE	767.028	53414360	681704787	1	0.00
6	5.60	PHOSPHATE	348.279	9019775	128899859	1	5.51
7	7.43	SULFATE	83.041	3413521	69922448	1	0.00
		Totals	1579.747	167664194	1312166377		

File: 96031421.D37 Sample: MS96-2617/118.COMP.W - A17



Data Reprocessed On 03/15/1996 15:54:51

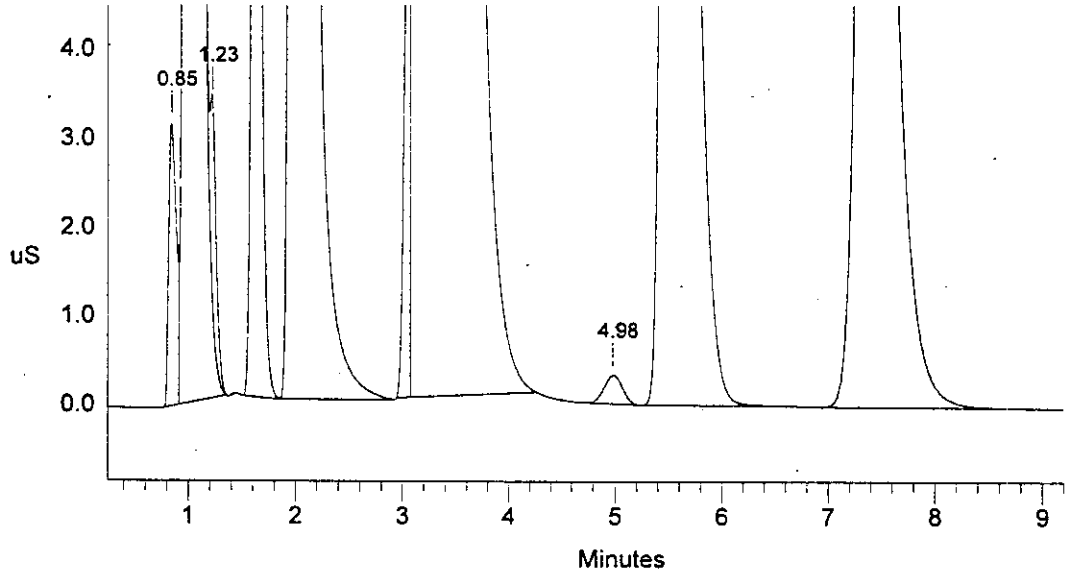
Sample Name: 96-2617/118.COMP.W - A15	Date: 03/14/1996 17:11:21
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D38	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 38 Vial:A15	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	25	1	3000	5Hz	0.25	9.20	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.85		0.000	3170554	15574979	2	
2	1.03	FLUORIDE	90.453	180170107	1026489860	3	7.43
3	1.23		0.000	2309364	6687148	4	
4	1.62	CHLORIDE	10.964	12535159	72230715	1	0.00
5	2.09	NITRITE	261.762	132191997	1161083418	1	3.37
6	3.05	BROMIDE	9.595	5527742	22642721	2	-0.11
7	3.14	NITRATE	-644.120	313545280	3904546956	2	0.32
8	4.98		0.000	312680	3689667	1	
9	5.53	PHOSPHATE	168.057	25979920	402692156	1	0.78
10	7.41	SULFATE	66.799	15444149	313523457	1	0.00
		Totals	-36.489	691186952	6929161077		

File: 96031421.D38 Sample: 96-2617/118.COMP.W - A15



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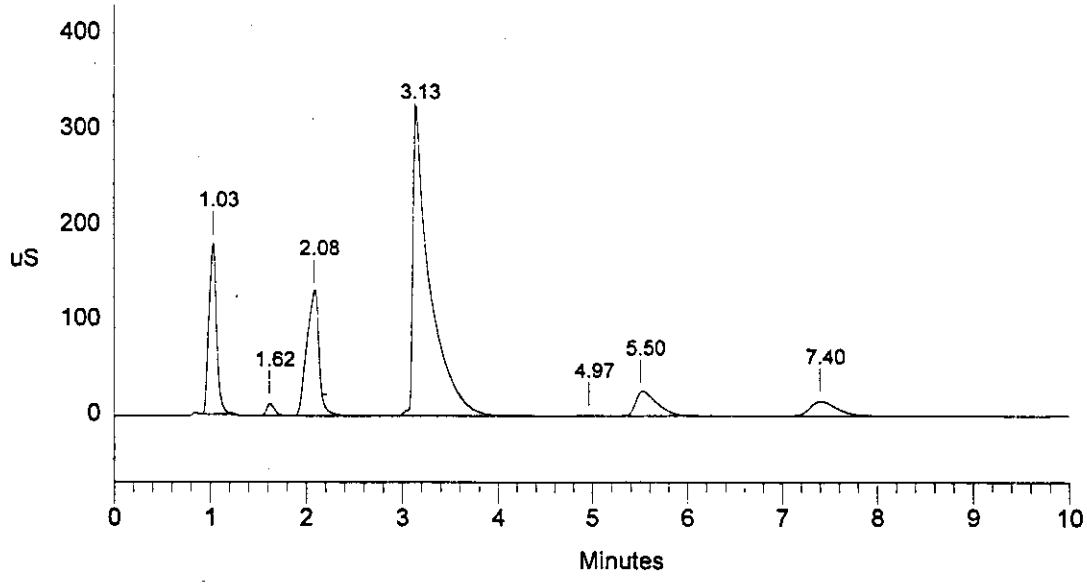
| Sample Name: 96-2617/118.COMP.W  - A15      Date: 03/14/1996 17:11:21      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D38                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 38  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.03	FLUORIDE	88.277	178576207	999478579	1	7.65
2	1.62	CHLORIDE	10.968	12323223	72258910	1	0.00
3	2.08	NITRITE	261.589	129256913	1160307773	1	3.09
4	3.13	BROMIDE	-9208.813	292738202	3933222070	1	1.12
5	4.97	PHOSPHATE	2.937	305666	3725339	1	-0.45
6	5.50		0.000	24177845	402519751	1	
7	7.40	SULFATE	66.741	15387932	313214657	1	0.00
		Totals	-8778.303	652765988	6884727080		

File: 96031421.D38 Sample: 96-2617/118.COMP.W - A15



Data Reprocessed On 03/15/1996 15:57:01

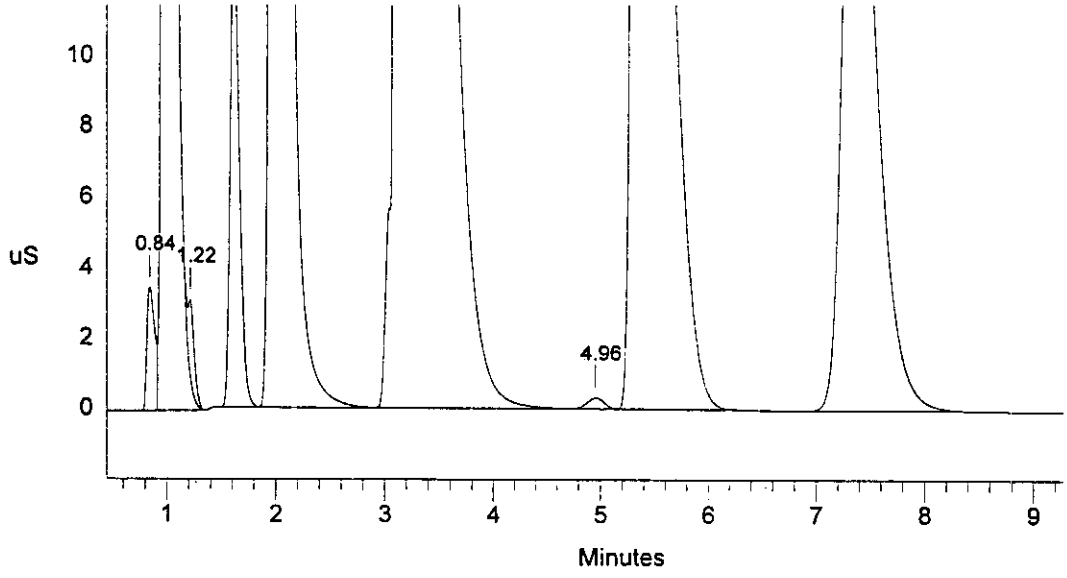
Sample Name:	MS96-2617/118.COMP.W - A17 Date: 03/14/1996 17:22:51
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D39
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 39 Vial:A17 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	25	1	3000	5Hz	0.45	9.28	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.84		0.000	3492601	16863739	2	
2	1.02	FLUORIDE	76.583	154419932	856520773	3	6.61
3	1.22		0.000	2162478	7787423	4	
4	1.62	CHLORIDE	11.806	13364588	78321405	1	0.00
5	2.08	NITRITE	262.778	132143171	1165629098	1	3.09
6	3.13	NITRATE	-835.682	343504540	4189978446	1	0.00
7	4.96		0.000	310603	3380430	1	
8	5.37	PHOSPHATE	186.389	46346046	863399023	1	-1.83
9	7.37	SULFATE	88.289	20925205	431258241	1	0.00
		Totals	-209.837	716669164	7613138579		

File: 96031421.D39 Sample: MS96-2617/118.COMP.W - A17



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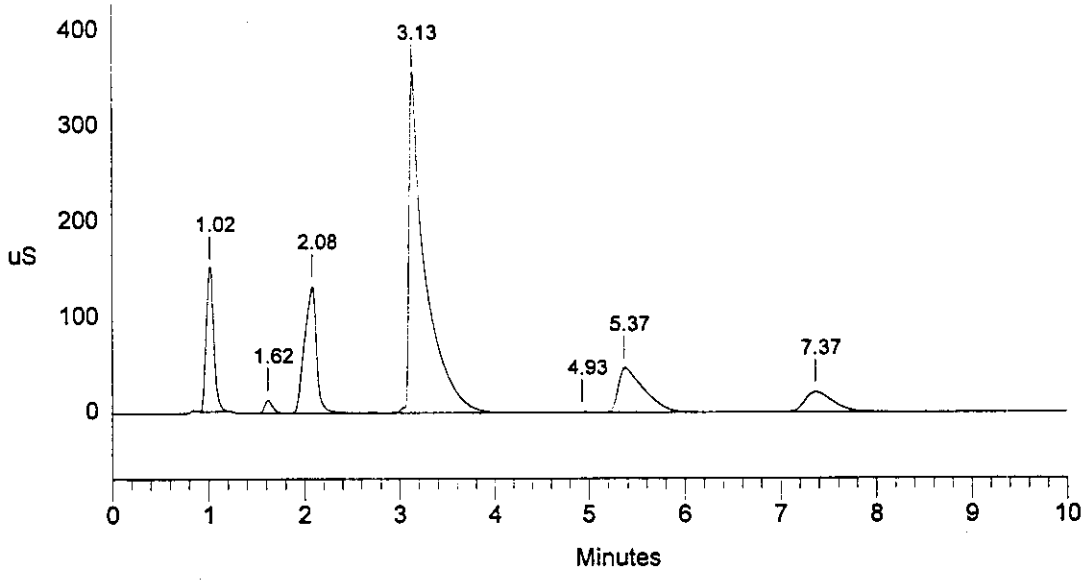
==============================================================================
| Sample Name: MS96-2617/118.COMP.W  - A17    Date: 03/14/1996 17:22:51      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D39                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 39  Vial:A17        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	73.858	149348749	823711821	1	5.91
2	1.62	CHLORIDE	11.938	13401010	79278599	1	0.00
3	2.08	NITRITE	262.759	132142576	1165543562	1	3.09
4	3.13	BROMIDE	-10568.608	351070377	4189763069	1	1.12
5	4.93	PHOSPHATE	2.704	285035	3330148	1	-1.12
6	5.37		0.000	46065430	863872226	1	
7	7.37	SULFATE	88.609	20932458	433089243	1	0.00
		Totals	-10128.739	713245635	7558588668		

File: 96031421.D39 Sample: MS96-2617/118.COMP.W - A17



Data Reprocessed On 03/15/1996 16:03:55

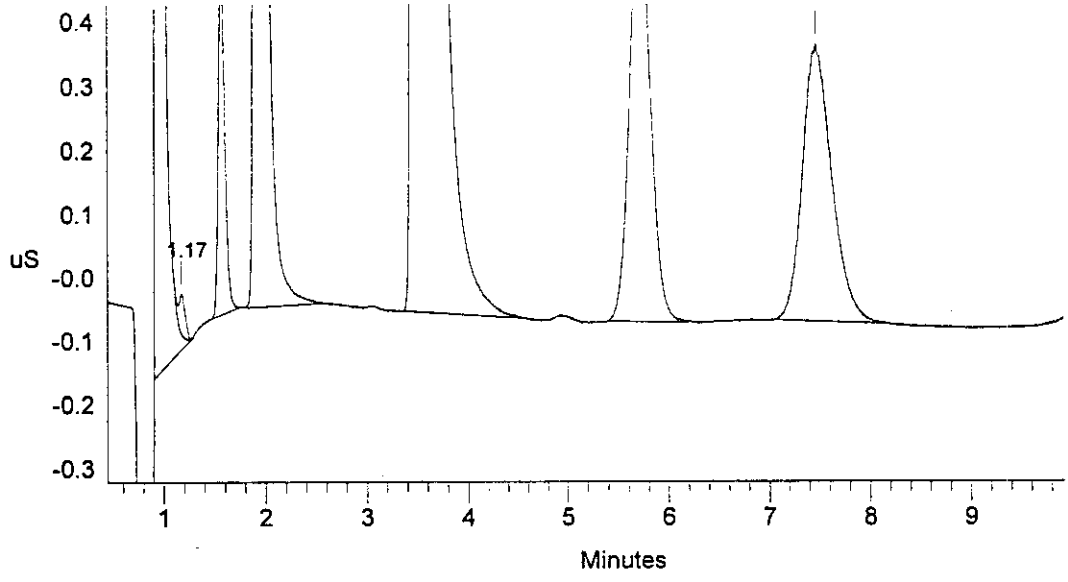
Sample Name: 96-3365/118.1A.W - A24	Date: 03/14/1996 17:34:55
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D40	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 40 Vial:A24	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	100	3000	5Hz	0.45	9.92	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	89.805	9725282	34251979	3	2.05
2	1.17		0.000	61058	229670	4	
3	1.57	CHLORIDE	18.462	530485	2405231	1	0.00
4	1.95	NITRITE	233.060	6655277	36994938	1	-1.02
5	3.53	NITRATE	677.079	7779818	89400374	1	0.00
6	5.71	PHOSPHATE	159.117	661558	9586099	1	1.75
7	7.47	SULFATE	69.830	433317	8757179	1	0.00
		Totals	1247.354	25846795	181625469		

File: 96031421.D40 Sample: 96-3365/118.1A.W - A24



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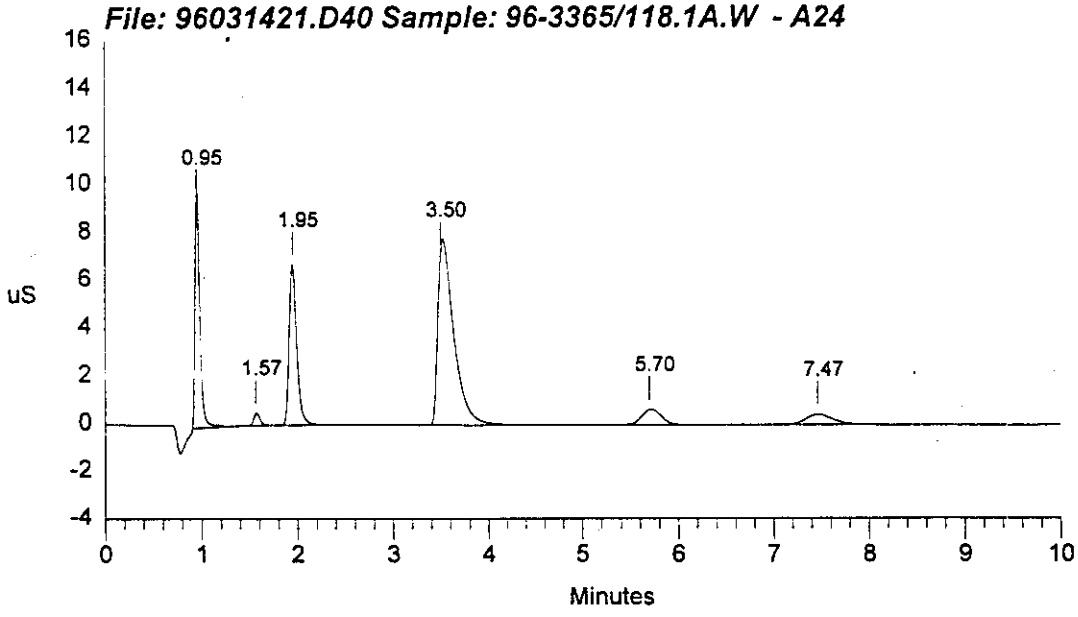
| Sample Name: 96-3365/118.1A.W  - A24        Date: 03/14/1996 17:34:55      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D40                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 40  Vial:A24        Detector:PED-Cond. |
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	0.95	FLUORIDE	90.395	9405475	34501210	1	2.13
2	1.57	CHLORIDE	18.458	517480	2404328	1	0.00
3	1.95	NITRITE	232.606	6699073	36914452	1	-0.43
4	3.50	NITRATE	677.106	7105987	89404118	1	0.00
5	5.70	PHOSPHATE	158.391	646513	9536238	1	2.28
6	7.47	SULFATE	69.083	425923	8627060	1	0.00
		Totals	1246.040	24800451	181387407		



Data Reprocessed On 03/15/1996 16:07:54

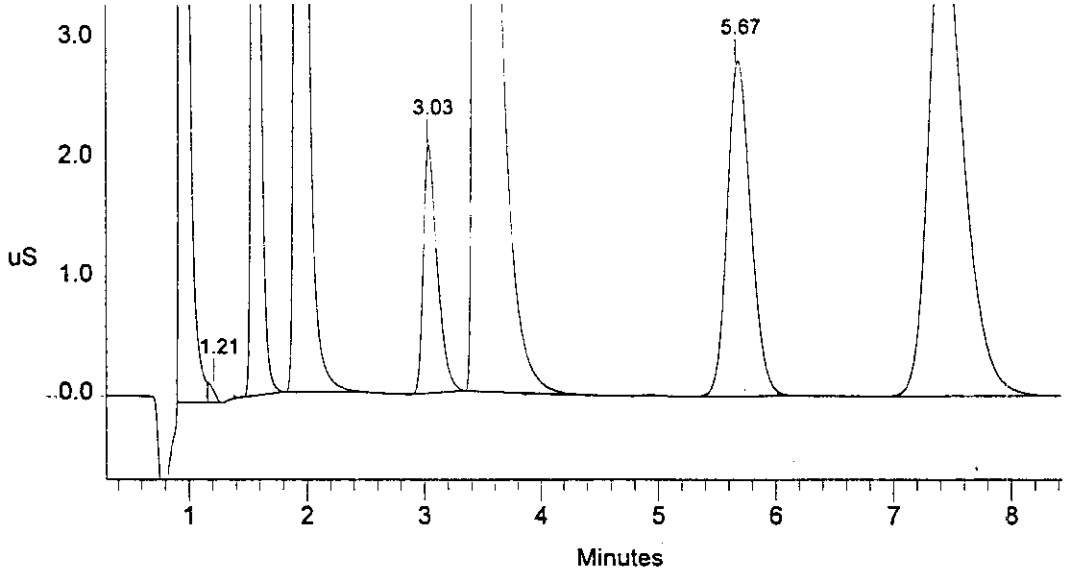
Sample Name: MS96-3365/118.1A.W - A25	Date: 03/14/1996 17:47:01
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D41	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 41 Vial:A25	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	100	3000	5Hz	0.30	8.43	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	274.229	29335635	112614603	2	2.13
2	1.21		0.000	97561	578092	2	
3	1.57	CHLORIDE	183.090	9845690	46539559	1	0.00
4	1.95	NITRITE	685.538	21249680	117246390	1	-0.43
5	3.03	BROMIDE	182.157	2022134	16993830	1	1.02
6	3.47	NITRATE	1162.133	13175823	159615984	1	0.00
7	5.67	PHOSPHATE	585.604	2722562	39549716	1	2.66
8	7.43	SULFATE	493.104	4146828	84023368	1	0.00
		Totals	3565.855	82595914	577161543		

File: 96031421.D41 Sample: MS96-3365/118.1A.W - A25



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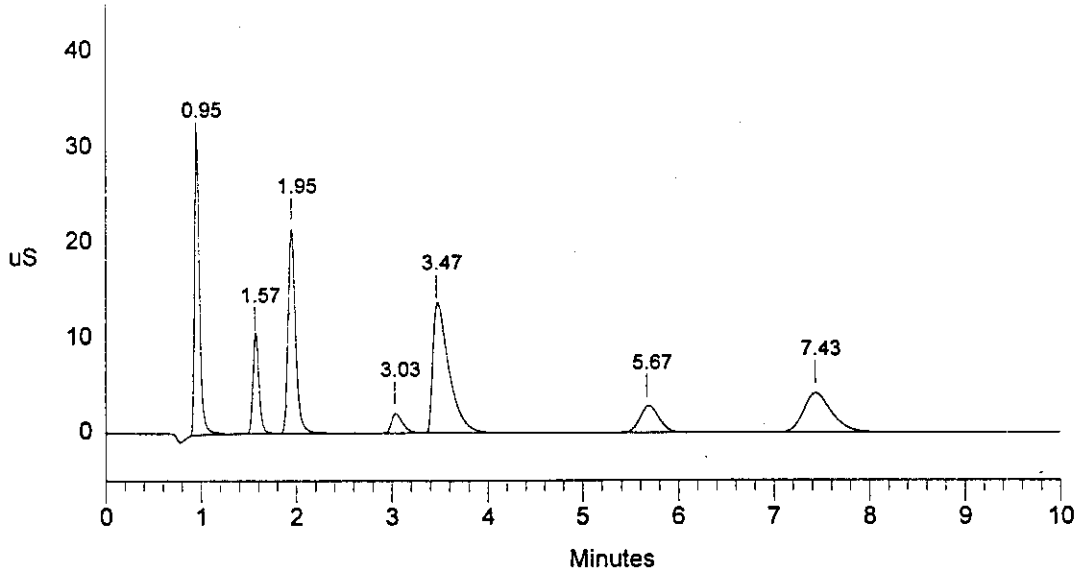
==============================================================================
| Sample Name: MS96-3365/118.1A.W  - A25      Date: 03/14/1996 17:47:01      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D41                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 41  Vial:A25        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	0.95	FLUORIDE	279.290	29438387	114778451	2	2.13
2	1.57	CHLORIDE	185.507	9867359	47209072	2	0.00
3	1.95	NITRITE	685.538	21249680	117246390	1	-0.43
4	3.03	BROMIDE	182.157	2022134	16993830	1	1.02
5	3.47	NITRATE	1150.025	13124639	157809283	1	0.00
6	5.67	PHOSPHATE	585.604	2722562	39549716	1	2.66
7	7.43	SULFATE	493.104	4146828	84023368	1	0.00
		Totals	3561.225	82571590	577610111		

File: 96031421.D41 Sample: MS96-3365/118.1A.W - A25



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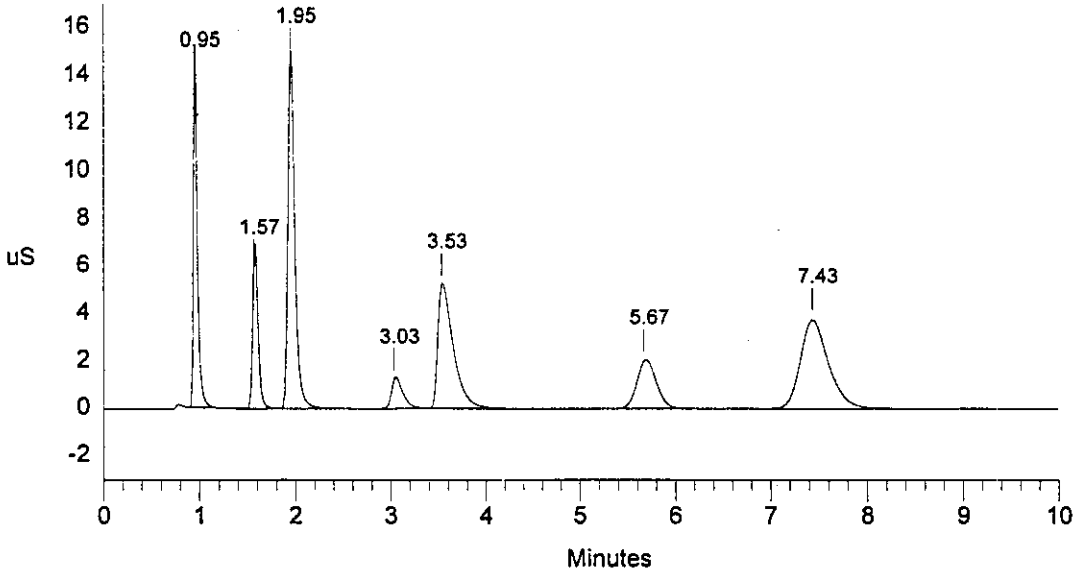
==============================================================================
| Sample Name: A960123V1/LO  - A35            Date: 03/14/1996 17:58:21      |
| Data File  : l:\iag\ic\icdata\9603142\96031421.D42                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 42  Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	FLUORIDE	22.507	13571495	43859797	1	2.13
2	1.57	CHLORIDE	22.280	5776604	26974130	1	0.00
3	1.95	NITRITE	90.819	14600309	76191304	1	-0.43
4	3.03	BROMIDE	23.608	1157349	10843792	1	1.02
5	3.53	NITRATE	91.453	5179432	58921748	1	0.00
6	5.67	PHOSPHATE	87.943	1974412	29144313	1	0.72
7	7.43	SULFATE	89.489	3723444	75743601	1	0.00
		Totals	428.098	45983044	321678685		

File: 96031421.D42 Sample: A960123V1/LO - A35



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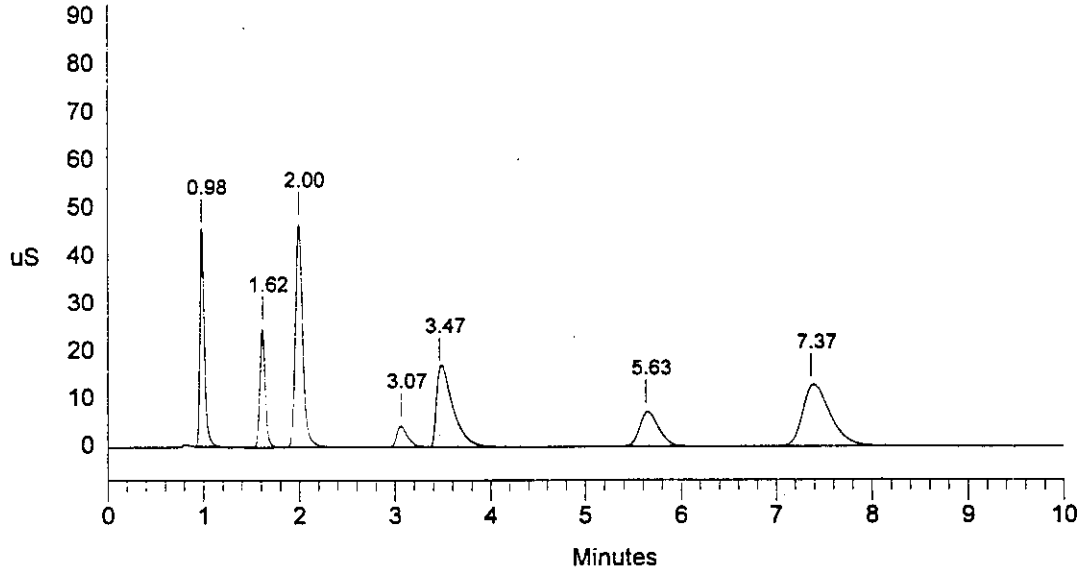
==============================================================================
| Sample Name: A960123V2/MID  - A35            Date: 03/14/1996 18:09:42      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D43                          |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 43  Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO             Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	23.912	44980211	148814870	1	2.44
2	1.62	CHLORIDE	23.679	24860926	96013748	1	0.00
3	2.00	NITRITE	95.793	46645733	250621681	1	-1.03
4	3.07	BROMIDE	24.004	4400206	34778788	1	-1.03
5	3.47	NITRATE	96.171	16032508	202319298	1	0.00
6	5.63	PHOSPHATE	94.127	7088795	102015706	1	2.06
7	7.37	SULFATE	94.477	12513133	261282738	1	0.00
		Totals	452.163	156521512	1095846831		

File: 96031421.D43 Sample: A960123V2/MID - A35



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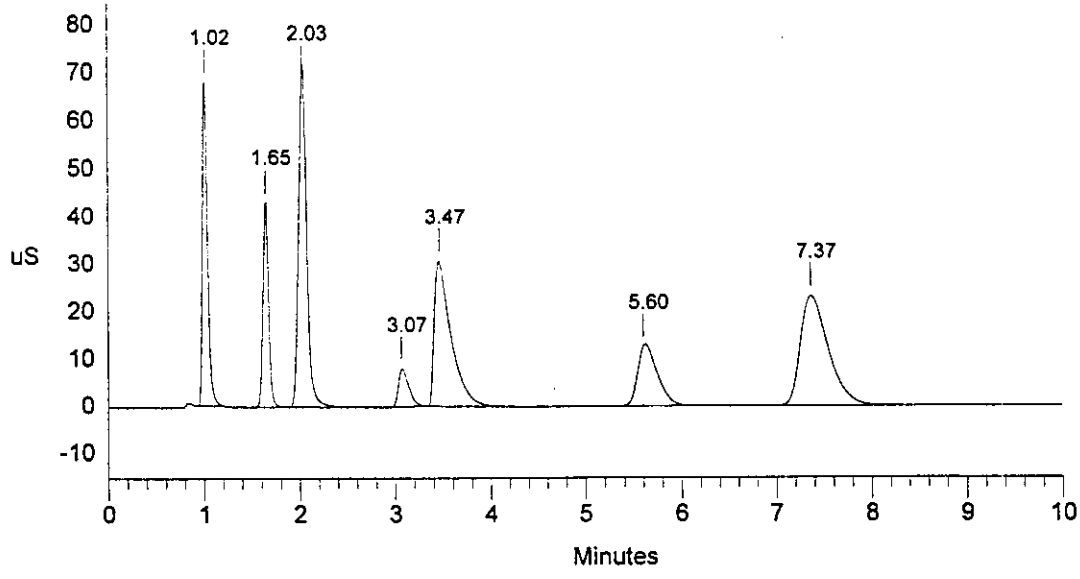
==============================================================================
| Sample Name: A960123V3/HI  - A35            Date: 03/14/1996 18:21:12      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D44                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 44  Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	24.110	67840298	254608470	1	3.77
2	1.65	CHLORIDE	24.091	43064082	174864865	1	0.00
3	2.03	NITRITE	96.047	68903917	422010190	1	-1.41
4	3.07	BROMIDE	23.898	7826410	60483427	1	-3.03
5	3.47	NITRATE	97.175	30501494	368549475	1	0.00
6	5.60	PHOSPHATE	95.691	12514962	186300643	1	1.45
7	7.37	SULFATE	95.761	23116059	474686037	1	0.00
		Totals	456.773	253767223	1941503108		

File: 96031421.D44 Sample: A960123V3/HI - A35



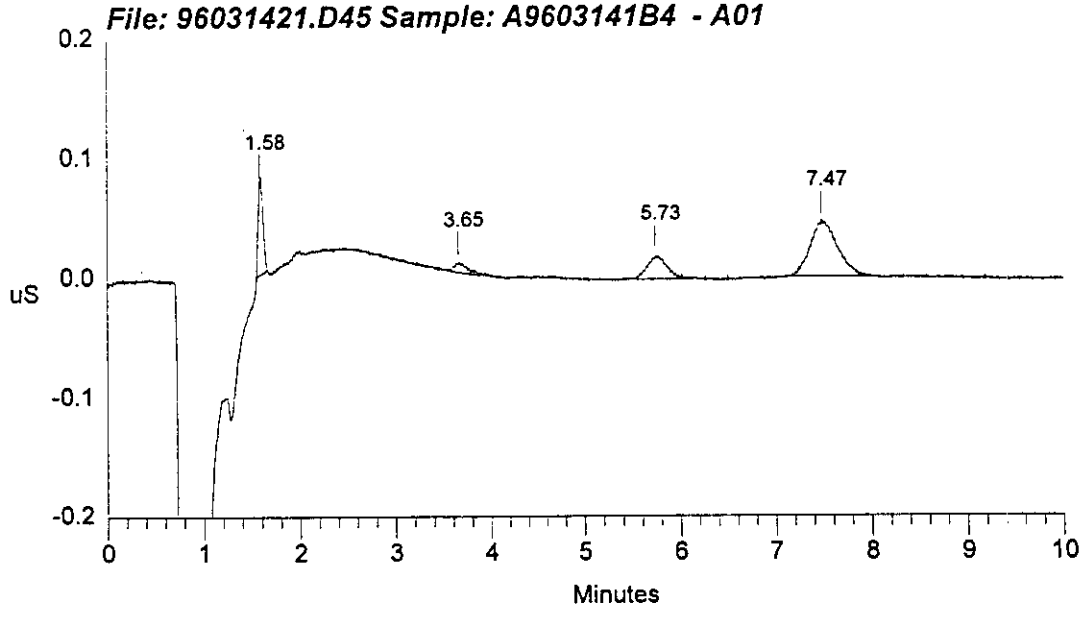
Data Reprocessed On 03/15/1996 16:13:56

Sample Name: A9603141B4 - A01	Date: 03/14/1996 18:33:23
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D45	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 45 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

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	1.58	CHLORIDE	0.102	73121	274447	1	0.00
2	3.65	NITRATE	0.170	6365	76903	1	0.00
3	5.73	PHOSPHATE	0.227	18030	284312	1	-1.44
4	7.47	SULFATE	0.246	43638	896501	1	0.00
		Totals	0.746	141154	1532164		



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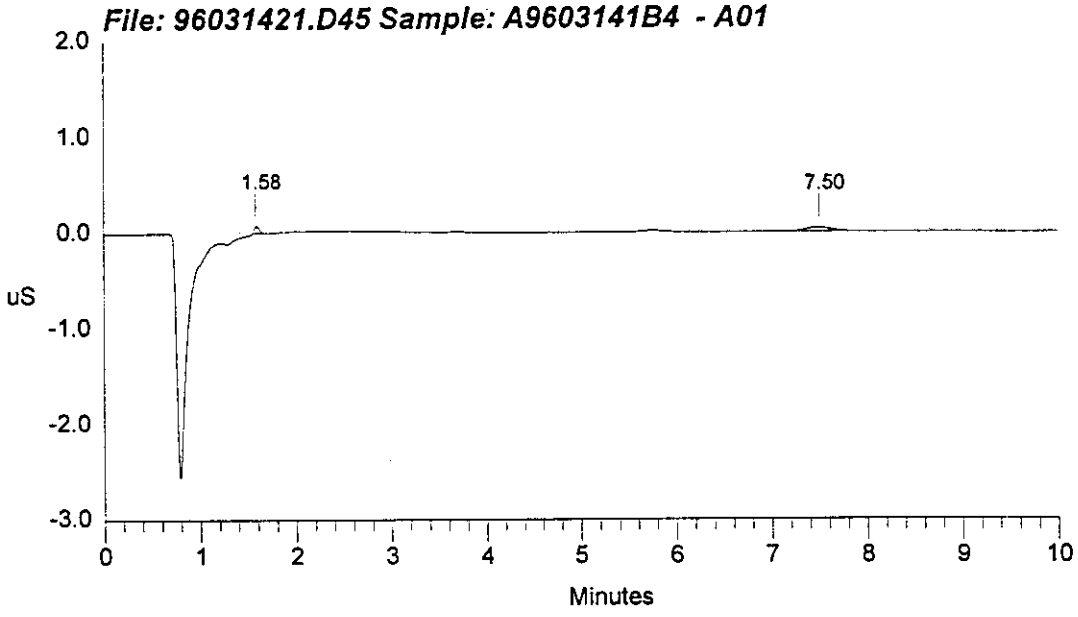
==============================================================================
| Sample Name: A9603141B4  - A01                Date: 03/14/1996 18:33:23     |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D45                          |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 45  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO              Column: AG4A/AS4A (28411/5758)                |
==============================================================================
```

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	1.58	CHLORIDE	0.102	73121	274447	1	0.00
2	7.50	SULFATE	0.240	41612	805586	1	0.00
		Totals	0.343	114733	1080033		



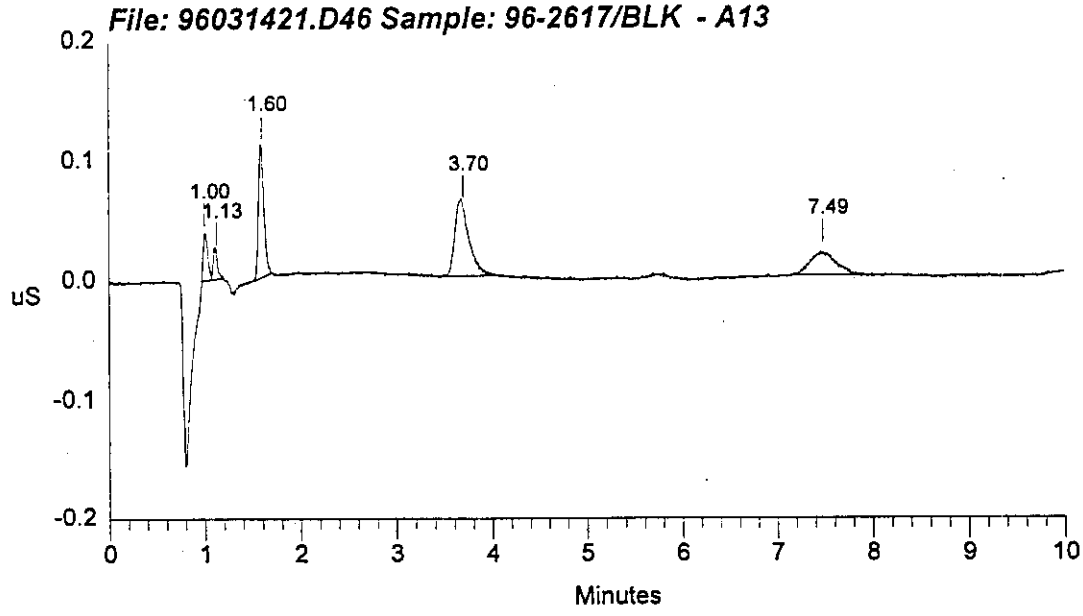
Data Reprocessed On 03/15/1996 16:16:04

Sample Name: 96-2617/BLK - A13	Date: 03/14/1996 18:44:49
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D46	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 46 Vial:A13	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

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	1.00	FLUORIDE	1.760	36837	127825	2	5.26
2	1.13		0.000	18995	80044	2	
3	1.60	CHLORIDE	2.180	107550	443148	1	0.00
4	3.70	NITRATE	4.270	56137	644408	1	0.00
5	7.49	SULFATE	4.282	18759	350919	1	0.00
		Totals	12.493	238278	1646344		



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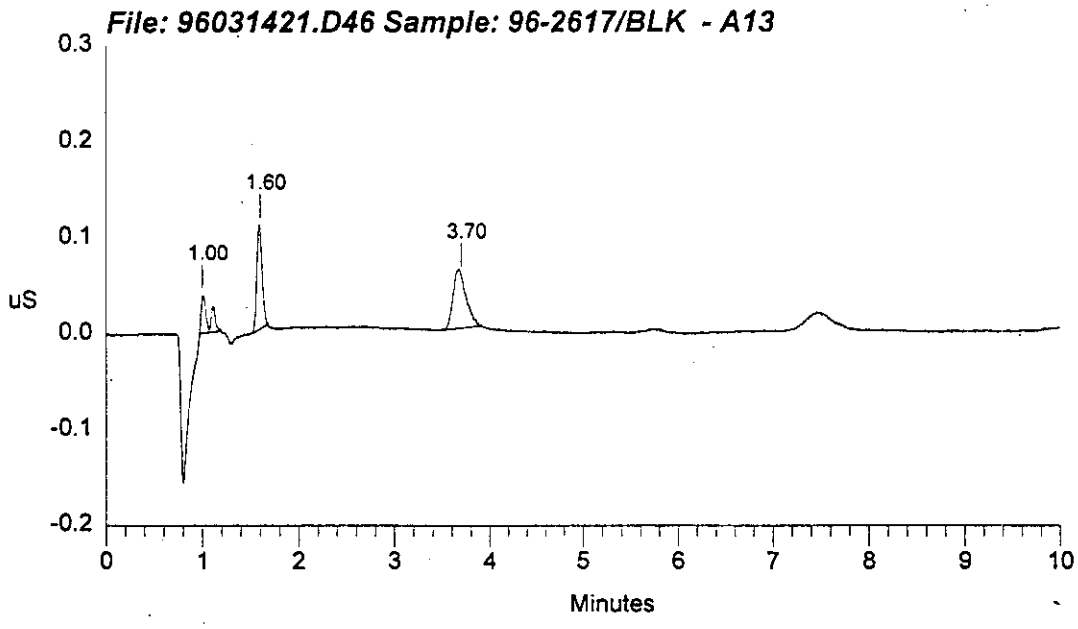
==============================================================================
| Sample Name: 96-2617/BLK  - A13              Date: 03/14/1996 18:44:49      |
| Data File  : l:\iag\ic\icdata\9603142\96031421.D46                          |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 46  Vial:A13        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                  |
==============================================================================
```

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	1.00	FLUORIDE	1.798	36837	207941	1	5.26
2	1.60	CHLORIDE	2.165	105668	423442	1	0.00
3	3.70	NITRATE	4.178	54223	584378	1	0.00
		Totals	8.141	196728	1215761		



Data Reprocessed On 03/15/1996 15:17:39

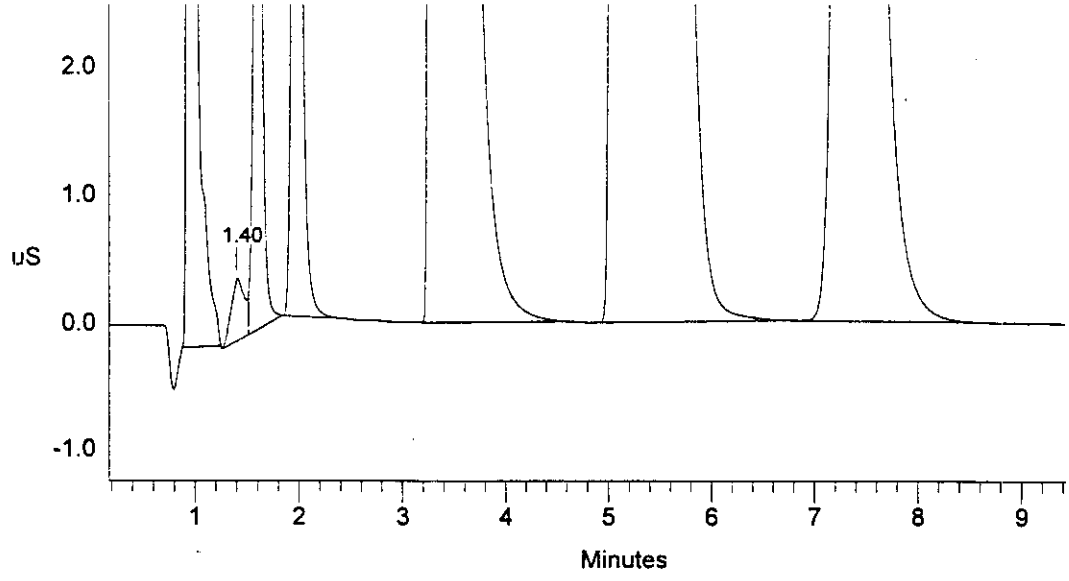
Sample Name: 96-2617/BS - A14	Date: 03/14/1996 14:43:29
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D25	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 25 Vial:A14	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	0.17	9.42	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95	FLUORIDE	2.856	25905413	117482212	1	0.00
2	1.40		0.000	475296	4318820	2	
3	1.60	CHLORIDE	1.268	5652595	31118577	2	0.00
4	1.97	NITRITE	3.061	7909172	49941959	1	-1.67
5	3.30	NITRATE	46.480	67216458	994431293	1	0.00
6	5.13	PHOSPHATE	-119.853	83982393	1929431661	1	-6.10
7	7.33	SULFATE	22.118	20988195	432295225	1	0.00
		Totals	-44.070	212129521	3559019747		

File: 96031421.D25 Sample: 96-2617/BS - A14



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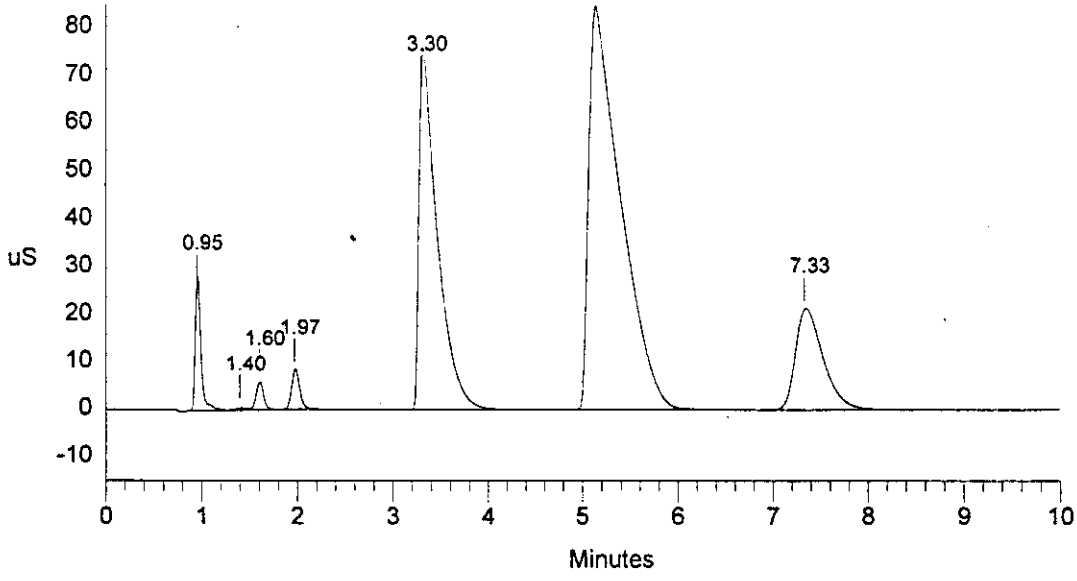
==============================================================================
| Sample Name: 96-2617/BS  - A14                Date: 03/14/1996 14:43:29     |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D25                          |
| Method     : c:\dx\method\2anions2.met                                      |
| ACI Address: 1  System: 2  Inject#: 25  Vial:A14        Detector:PED-Cond.|
| Analyst    : MMO              Column: AG4A/AS4A (28411/5758)                |
==============================================================================
```

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	0.95	FLUORIDE	2.856	25905413	117482212	1	0.00
2	1.40		0.000	475296	3807130	2	
3	1.60	CHLORIDE	1.278	5652595	31403855	2	0.00
4	1.97	NITRITE	3.061	7909172	49941959	1	-1.67
5	3.30	BROMIDE	-66.030	67216458	994431293	1	7.61
6	5.13	PHOSPHATE	-119.853	83982393	1929431661	1	-2.30
7	7.33	SULFATE	22.118	20988195	432295225	1	0.00
		Totals	-156.570	212129521	3558793335		

File: 96031421.D25 Sample: 96-2617/BS - A14



Data Reprocessed On 03/15/1996 16:19:35

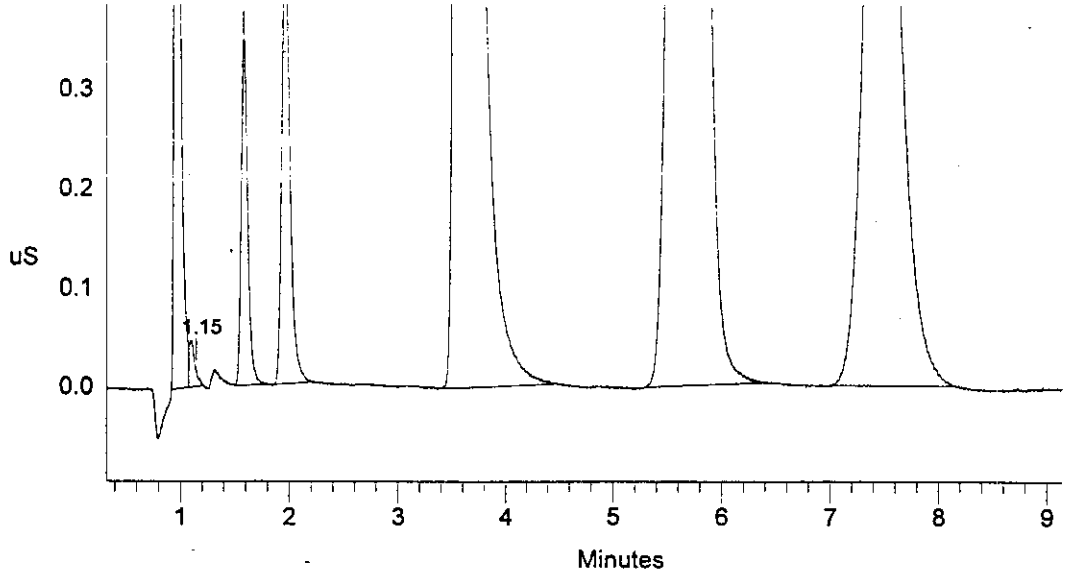
Sample Name: 96-2617/BS - A14	Date: 03/14/1996 18:56:15
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D47	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 47 Vial:A14	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.32	9.15	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	3.888	1488944	4598631	2	2.83
2	1.15		0.000	15469	174515	2	
3	1.58	CHLORIDE	2.942	342623	1431582	1	0.00
4	1.97	NITRITE	7.521	449141	2345343	1	-0.63
5	3.57	NITRATE	59.204	3021537	37043685	1	0.00
6	5.63	PHOSPHATE	194.082	4563116	67844832	1	-0.80
7	7.43	SULFATE	24.877	864796	18276914	1	0.00
		Totals	292.514	10745625	131715502		

File: 96031421.D47 Sample: 96-2617/BS - A14



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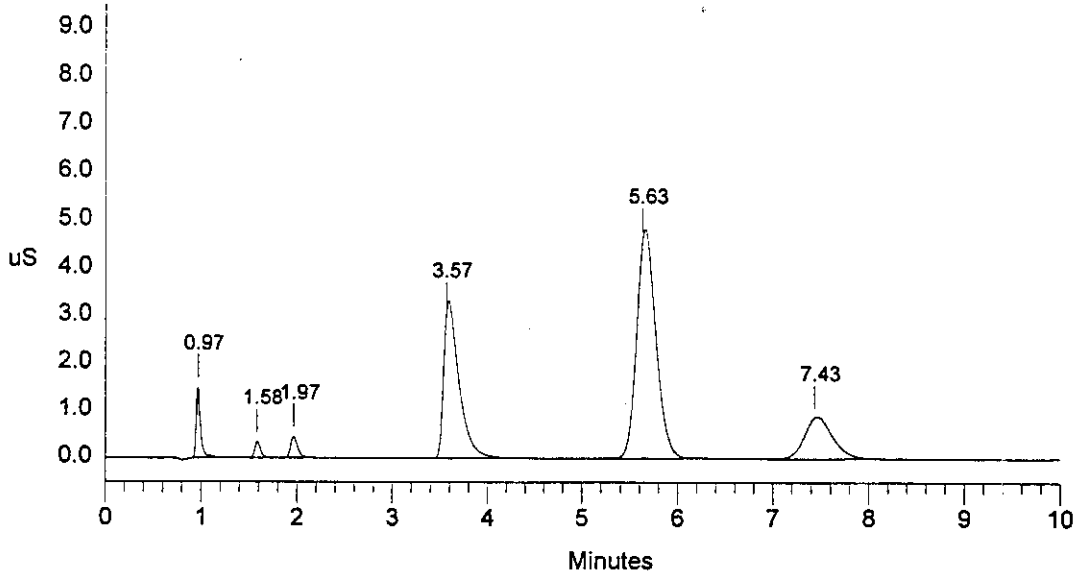
==========================================================================
| Sample Name: 96-2617/BS  - A14              Date: 03/14/1996 18:56:15    |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D47                       |
| Method     : c:\dx\method\2anions2.met                                   |
| ACI Address: 1  System: 2  Inject#: 47  Vial:A14        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)               |
==========================================================================
```

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	3.971	1488944	4773145	1	2.83
2	1.58	CHLORIDE	2.920	341428	1403136	1	0.00
3	1.97	NITRITE	7.481	447895	2309343	1	-0.63
4	3.57	NITRATE	58.767	3019824	36749787	1	0.00
5	5.63	PHOSPHATE	193.463	4560455	67612073	1	-0.80
6	7.43	SULFATE	24.771	863768	18184452	1	0.00
		Totals	291.373	10722314	131031937		

File: 96031421.D47 Sample: 96-2617/BS - A14



Data Reprocessed On 03/15/1996 16:22:27

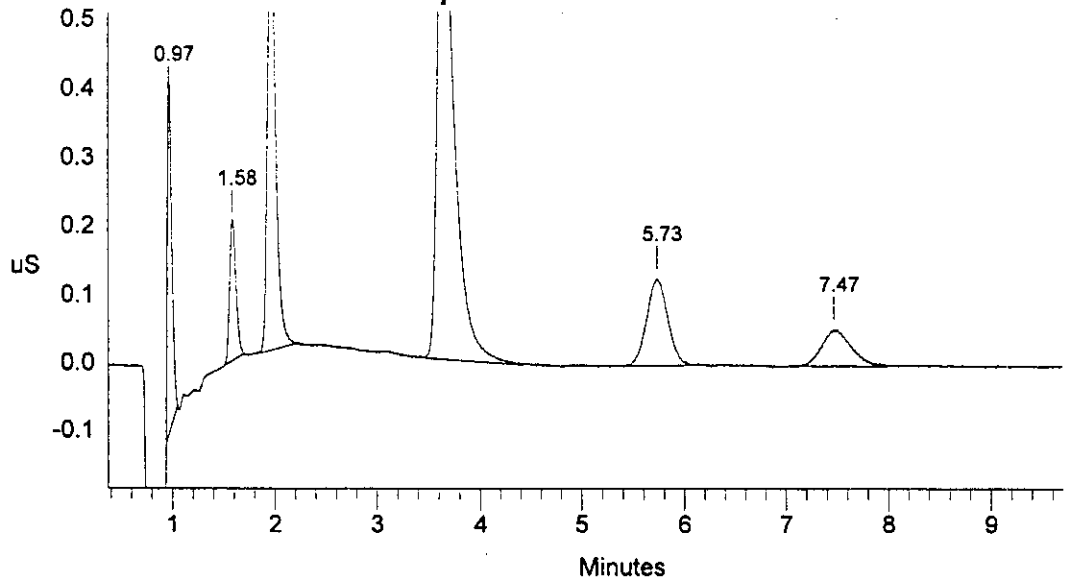
Sample Name: 96-2607/118.2A.W - A26	Date: 03/14/1996 19:08:25
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D48	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 48 Vial:A26	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	100	3000	5Hz	0.37	9.70	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	12.127	489569	1525118	1	2.83
2	1.58	CHLORIDE	12.609	201679	886112	1	0.00
3	1.97	NITRITE	44.459	633455	3560125	1	-0.63
4	3.63	NITRATE	80.679	730637	8417601	1	0.00
5	5.73	PHOSPHATE	45.397	126211	1820386	1	-0.90
6	7.47	SULFATE	25.619	53726	1079714	1	0.00
		Totals	220.889	2235278	17289055		

File: 96031421.D48 Sample: 96-2607/118.2A.W - A26



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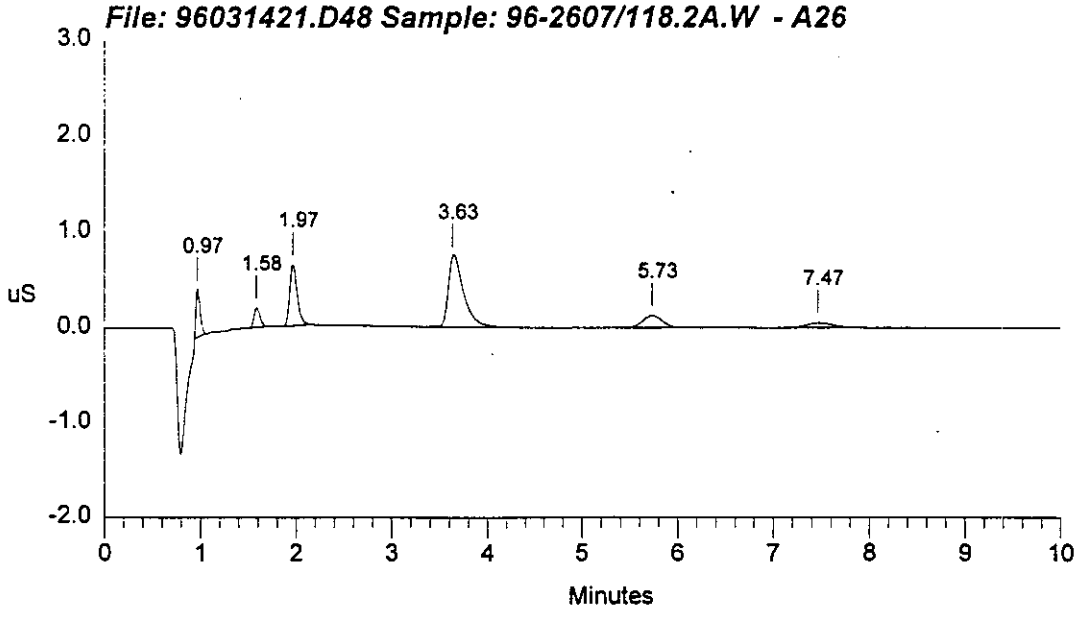
==============================================================================
| Sample Name: 96-2607/118.2A.W  - A26        Date: 03/14/1996 19:08:25      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D48                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 48  Vial:A26        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	12.127	489569	1525118	1	2.83
2	1.58	CHLORIDE	12.642	202533	894828	1	0.00
3	1.97	NITRITE	44.070	631010	3491023	1	-0.63
4	3.63	NITRATE	79.528	729564	8266418	1	0.00
5	5.73	PHOSPHATE	44.624	124991	1767909	1	-0.90
6	7.47	SULFATE	24.662	50467	913842	1	0.00
		Totals	217.652	2228135	16859138		



Data Reprocessed On 03/15/1996 16:23:39

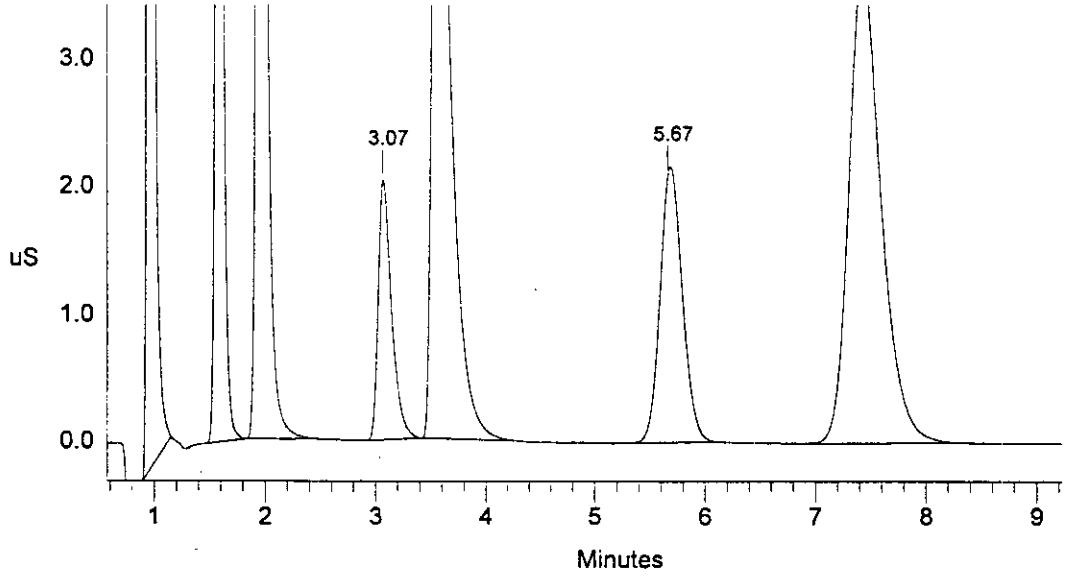
Sample Name:	MS96-2607/118.2A.W - A27 Date: 03/14/1996 19:20:34
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D49
Method :	c:\dx\method\2anions2.met
ACI Address:	1 System: 2 Inject#: 49 Vial:A27 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A (28411/5758)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	100	3000	5Hz	0.57	9.23	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97	FLUORIDE	188.375	21967502	76017531	1	2.83
2	1.58	CHLORIDE	175.858	10089259	44539951	1	0.00
3	1.97	NITRITE	469.262	14489648	78881138	1	-0.63
4	3.07	BROMIDE	183.247	2008788	17099506	1	1.05
5	3.57	NITRATE	533.215	6120854	69364976	1	0.00
6	5.67	PHOSPHATE	457.410	2063276	30397615	1	-0.22
7	7.43	SULFATE	445.386	3695118	75371576	1	0.00
		Totals	2452.752	60434445	391672294		

File: 96031421.D49 Sample: MS96-2607/118.2A.W - A27



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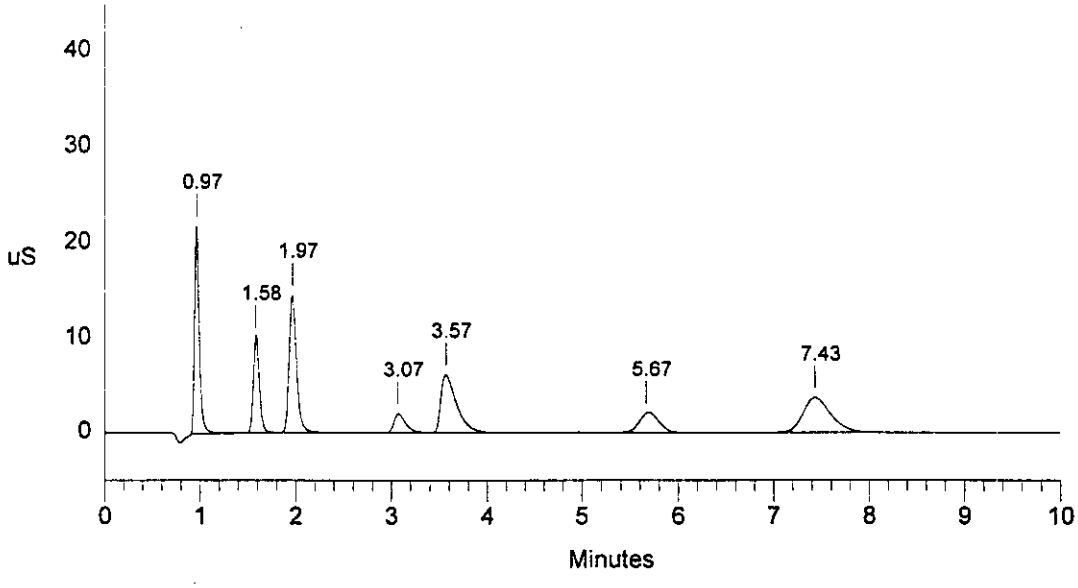
==========================================================================
| Sample Name: MS96-2607/118.2A.W  - A27      Date: 03/14/1996 19:20:34    |
| Data File  : l:\iag\ic\icdata\9603142\96031421.D49                      |
| Method     : c:\dx\method\2anions2.met                                  |
| ACI Address: 1  System: 2  Inject#: 49  Vial:A27        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)              |
==========================================================================
```

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	188.402	21860850	76029156	2	2.83
2	1.58	CHLORIDE	177.121	10100761	44888702	2	0.00
3	1.97	NITRITE	469.262	14489648	78881138	1	-0.63
4	3.07	BROMIDE	183.247	2008788	17099506	1	1.05
5	3.57	NITRATE	533.904	6121401	69460246	1	0.00
6	5.67	PHOSPHATE	457.410	2063276	30397615	1	-0.22
7	7.43	SULFATE	445.386	3695118	75371576	1	0.00
		Totals	2454.732	60339842	392127939		

File: 96031421.D49 Sample: MS96-2607/118.2A.W - A27



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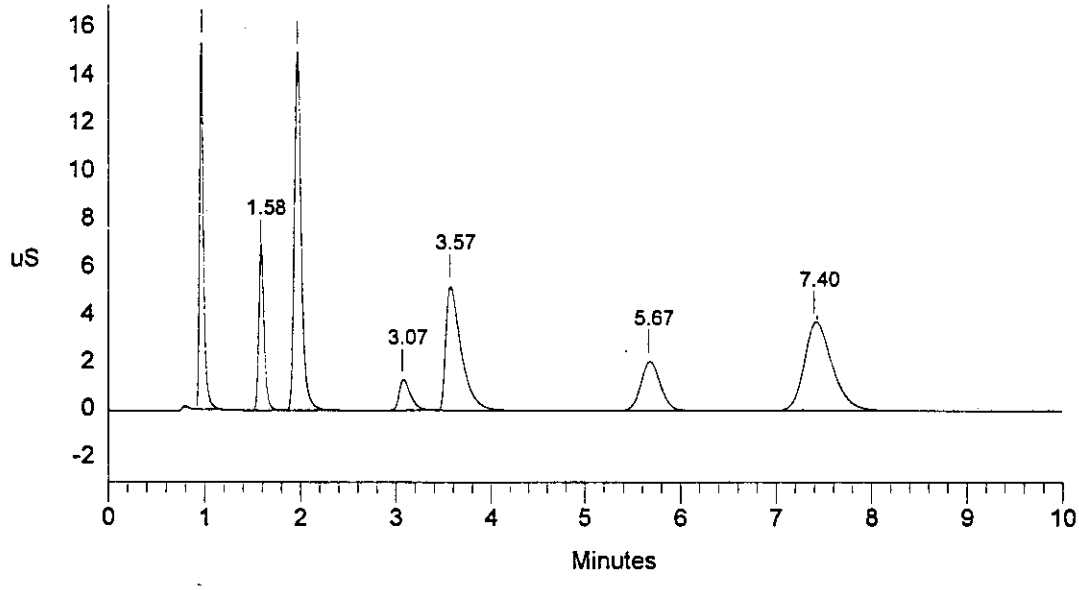
==============================================================================
| Sample Name: A960123V1/LO  - A35            Date: 03/14/1996 19:32:01      |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D50                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 50  Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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	22.723	15334106	44315936	1	2.83
2	1.58	CHLORIDE	22.396	6648284	27130832	1	0.00
3	1.97	NITRITE	90.829	14892094	76200065	1	-0.63
4	3.07	BROMIDE	23.728	1219377	10900969	1	1.05
5	3.57	NITRATE	91.550	5191612	58988072	1	0.00
6	5.67	PHOSPHATE	88.617	2047270	29382965	1	-0.22
7	7.40	SULFATE	90.195	3682475	76382872	1	0.00
		Totals	430.039	49015216	323301711		

File: 96031421.D50 Sample: A960123V1/LO - A35



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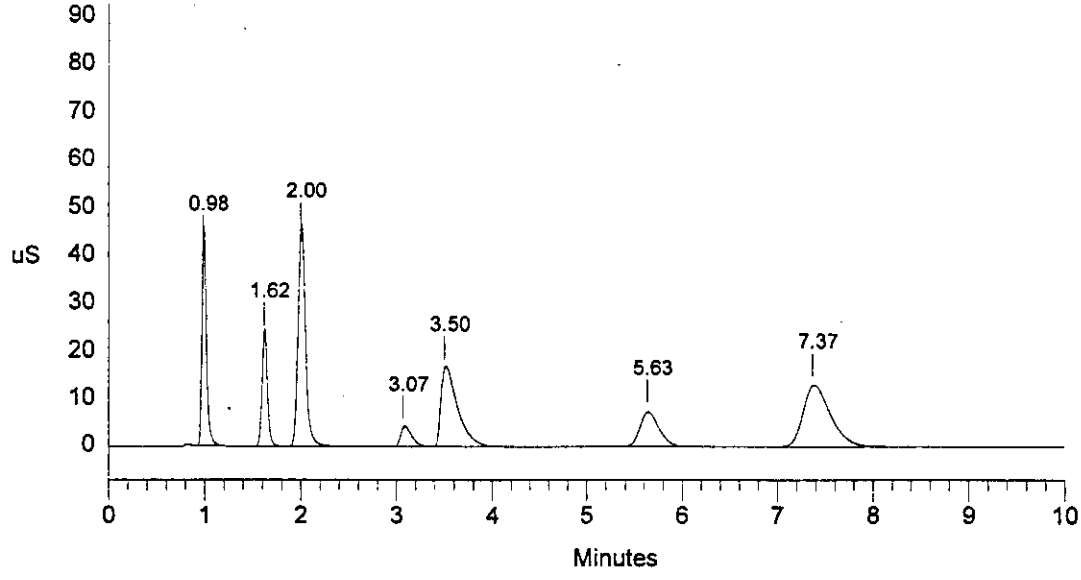
==========================================================================
| Sample Name: A960123V2/MID  - A35          Date: 03/14/1996 19:43:34    |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D51                      |
| Method     : c:\dx\method\2anions2.met                                  |
| ACI Address: 1  System: 2  Inject#: 51  Vial:A35       Detector:PED-Cond.|
| Analyst    : MMO           Column: AG4A/AS4A (28411/5758)               |
==========================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98	FLUORIDE	24.068	41515131	149822565	1	2.44
2	1.62	CHLORIDE	23.728	23379009	96230965	1	0.00
3	2.00	NITRITE	96.331	44378255	252056497	1	-1.03
4	3.07	BROMIDE	24.157	3793304	35015269	1	-1.03
5	3.50	NITRATE	96.127	16340451	202214914	1	0.00
6	5.63	PHOSPHATE	94.601	7294973	102582325	1	1.09
7	7.37	SULFATE	94.932	12880628	262668998	1	0.00
		Totals	453.943	149581751	1100591533		

File: 96031421.D51 Sample: A960123V2/MID - A35



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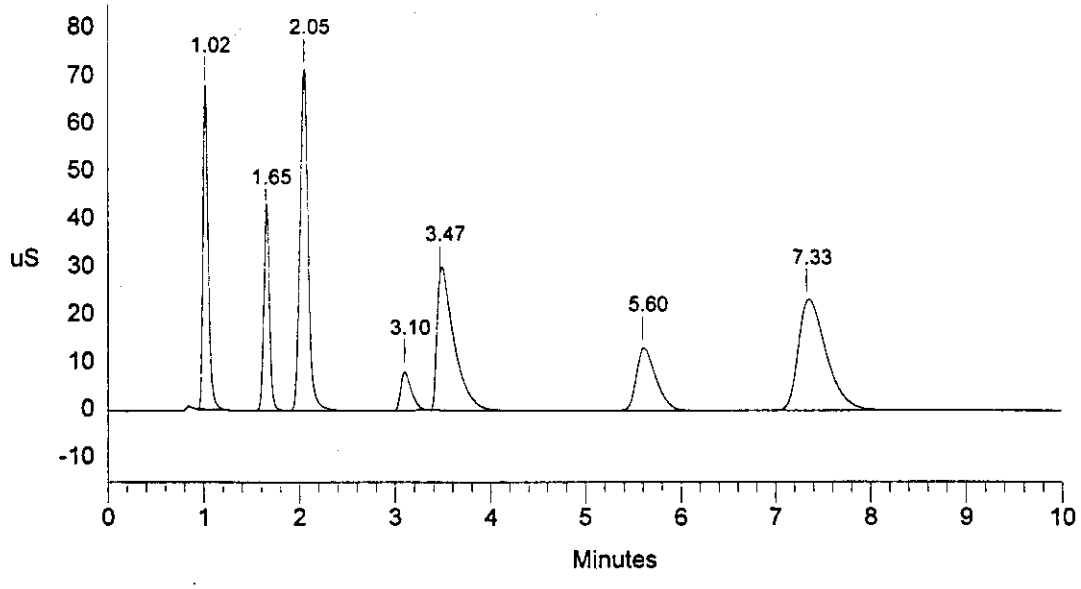
==============================================================================
| Sample Name: A960123V3/HI  - A35            Date: 03/14/1996 19:55:07      |
| Data File  : l:\iag\ic\icdata\9603142\96031421.D52                         |
| Method     : c:\dx\method\2anions2.met                                     |
| ACI Address: 1  System: 2  Inject#: 52  Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)                 |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02	FLUORIDE	24.043	66864269	253871606	1	3.77
2	1.65	CHLORIDE	24.074	39479019	174718182	1	0.00
3	2.05	NITRITE	96.195	70915909	422665182	1	-0.61
4	3.10	BROMIDE	24.098	7999514	61055349	1	-1.98
5	3.47	NITRATE	97.332	27490006	369272517	1	0.00
6	5.60	PHOSPHATE	96.050	12872136	187139849	1	1.45
7	7.33	SULFATE	96.129	22709157	476862040	1	0.00
		Totals	457.921	248330009	1945584724		

File: 96031421.D52 Sample: A960123V3/HI - A35



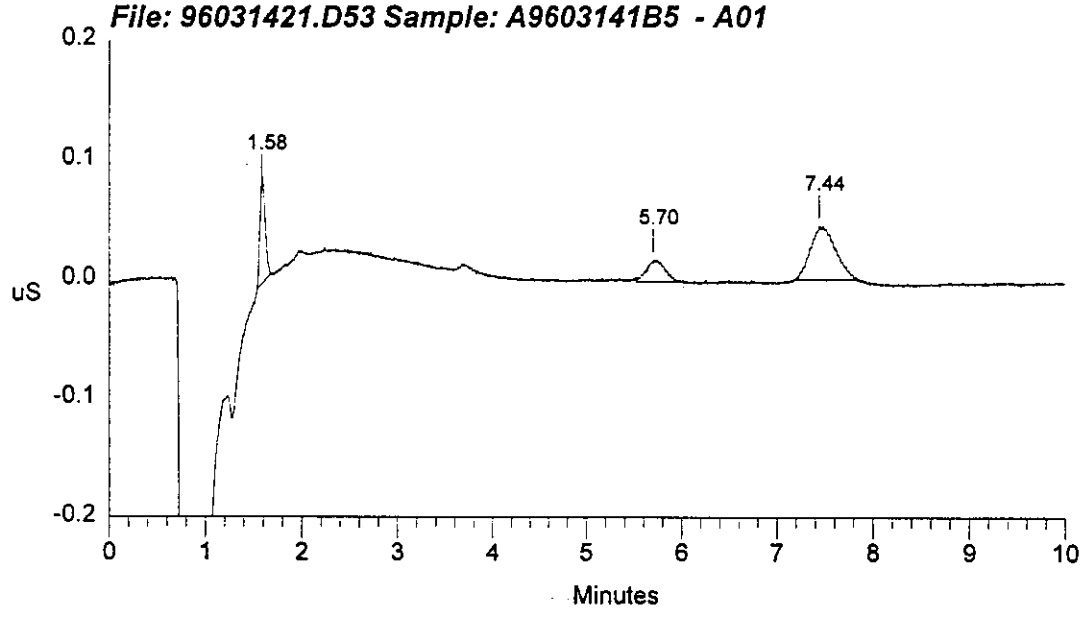
Data Reprocessed On 03/15/1996 16:25:19

Sample Name: A9603141B5 - A01	Date: 03/14/1996 20:07:17
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9603142\96031421.D53	
Method : c:\dx\method\2anions2.met	
ACI Address: 1 System: 2 Inject#: 53 Vial:A01	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A (28411/5758)	

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	1.58	CHLORIDE	0.105	80661	329059	1	0.00
2	5.70	PHOSPHATE	0.222	16313	248378	1	4.27
3	7.44	SULFATE	0.241	42781	810549	1	0.00
		Totals	0.567	139755	1387986		

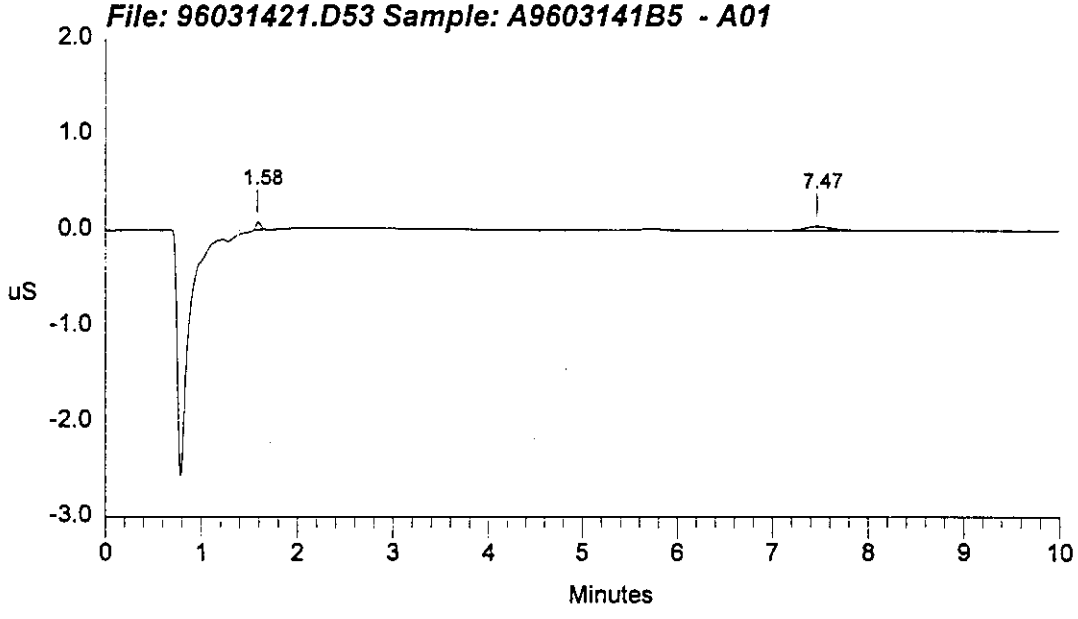


```
==========================================================================
| Sample Name: A9603141B5  - A01              Date: 03/14/1996 20:07:17   |
| Data File  : 1:\iag\ic\icdata\9603142\96031421.D53                      |
| Method     : c:\dx\method\2anions2.met                                  |
| ACI Address: 1  System: 2  Inject#: 53  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A (28411/5758)              |
==========================================================================
```

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	1.58	CHLORIDE	0.102	71643	271535	1	0.00
2	7.47	SULFATE	0.243	43214	853772	1	0.00
		Totals	0.346	114858	1125308		



AI-450 AS3500 Editor - 02291SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A05	10	1	A960123V1/LO acc	1anions1	96022911	2	1	
2	A05	30	1	A960123V2/MID acc	1anions1	96022911	2	1	
3	A05	50	1	A960123V3/HI acc	1anions1	96022911	2	1	
4	A01	100	1	A9602291B1 acc	1anions1	96022911	1	1	
5	A35	50	1	96-2605-BS	1anions1	96022911	1	1	
6	A36	50	1	96-2611-BS	1anions1	96022911	1	1	
7	A07	10	1	96-2605-BLK	1anions1	96022911	1	1	
8	A07	25	1	96-2605-BLK	1anions1	96022911	1	1	
9	A07	50	1	96-2605-BLK	1anions1	96022911	1	1	
10	A20	10	1	96-2611-BLK	1anions1	96022911	1	1	
11	A20	25	1	96-2611-BLK	1anions1	96022911	1	1	
12	A20	50	1	96-2611-BLK	1anions1	96022911	1	1	
13	A05	10	1	A960123V1/LO acc	1anions1	96022911	2	1	
14	A05	30	1	A960123V2/MID acc	1anions1	96022911	2	1	
15	A05	50	1	A960123V3/HI acc	1anions1	96022911	2	1	
16	A01	100	1	A9602291B2 acc	1anions1	96022911	1	1	
17	A40	100	1	NO RUN	1shutdn	96022911	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	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
2	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
3	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
5	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A36	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
7	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
10	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
11	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
13	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

16	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A40	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

Comment:

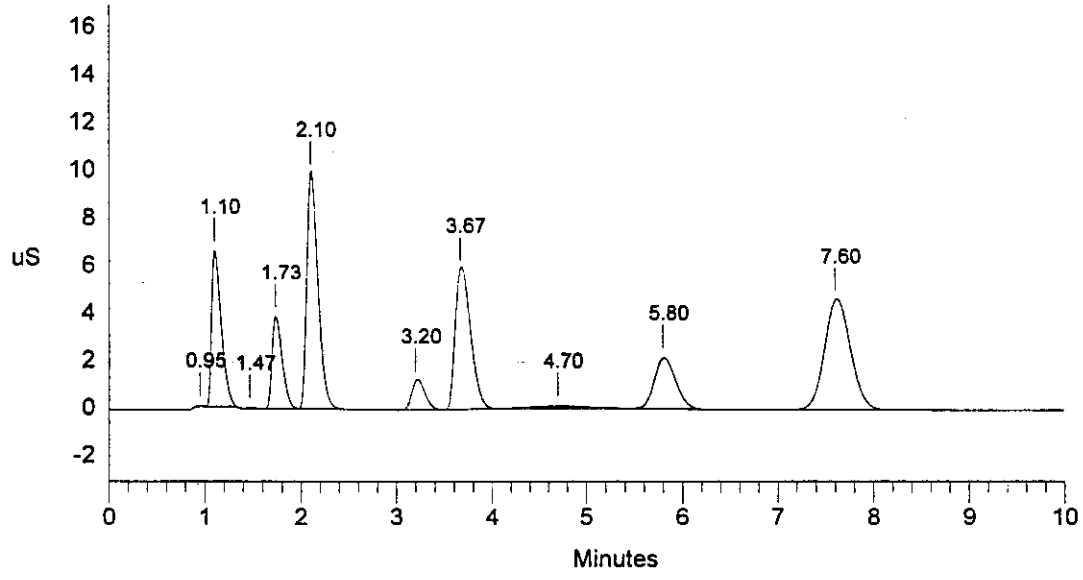
```
==============================================================================
| Sample Name: A960123V1/LO  - A05            Date: 02/29/1996 11:36:38      |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D01                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 1   Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	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	48361	208515	2	
2	1.10	FLUORIDE	23.547	6541037	45650178	2	0.96
3	1.47		0.000	29486	227539	1	
4	1.73	CHLORIDE	23.135	3846576	28525293	1	0.00
5	2.10	NITRITE	95.631	9833248	80939064	1	0.96
6	3.20	BROMIDE	24.503	1196117	12240180	1	-3.08
7	3.67	NITRATE	95.942	5843794	67116042	1	0.00
8	4.70		0.000	110060	4966590	1	
9	5.80	PHOSPHATE	95.297	2122200	33269976	1	-1.36
10	7.60	SULFATE	96.607	4579977	87763262	1	0.00
		Totals	454.662	34150855	360906639		

File: 96022911.D01 Sample: A960123V1/LO - A05



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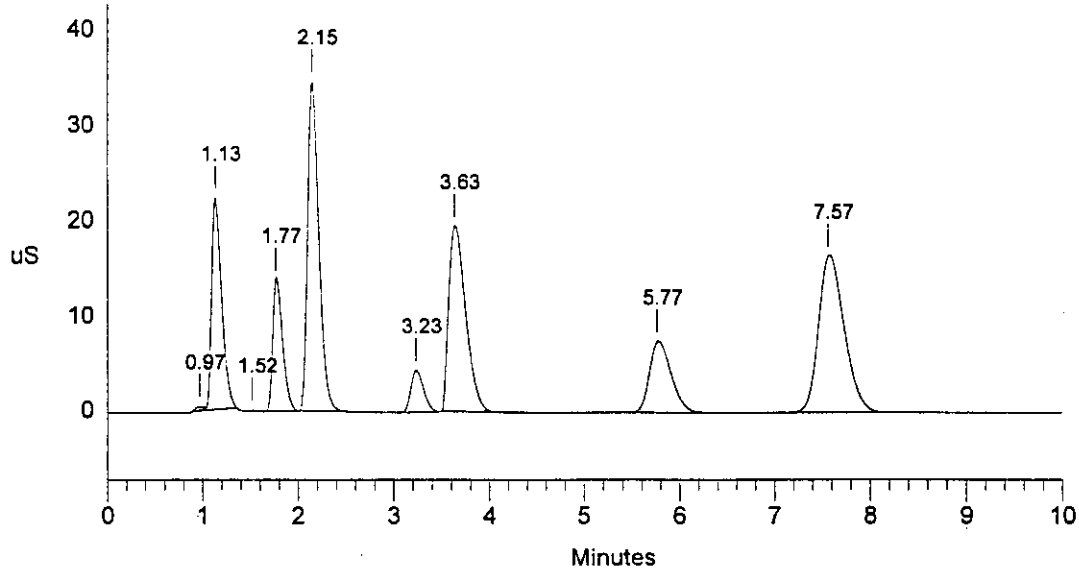
==============================================================================
| Sample Name: A960123V2/MID  - A05          Date: 02/29/1996 11:48:08       |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D02                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 2   Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	401188	2161944	2	
2	1.13	FLUORIDE	25.682	22177555	162009088	2	2.06
3	1.52		0.000	86283	589475	1	
4	1.77	CHLORIDE	24.676	13716006	99725805	1	0.00
5	2.15	NITRITE	103.657	34439709	281431549	1	1.42
6	3.23	BROMIDE	25.837	4342322	40145427	1	-3.92
7	3.63	NITRATE	102.854	19369863	236795129	1	0.00
8	5.77	PHOSPHATE	104.640	7410580	119501876	1	-1.03
9	7.57	SULFATE	103.754	16408371	309653210	1	0.00
		Totals	491.100	118351877	1252013502		

File: 96022911.D02 Sample: A960123V2/MID - A05



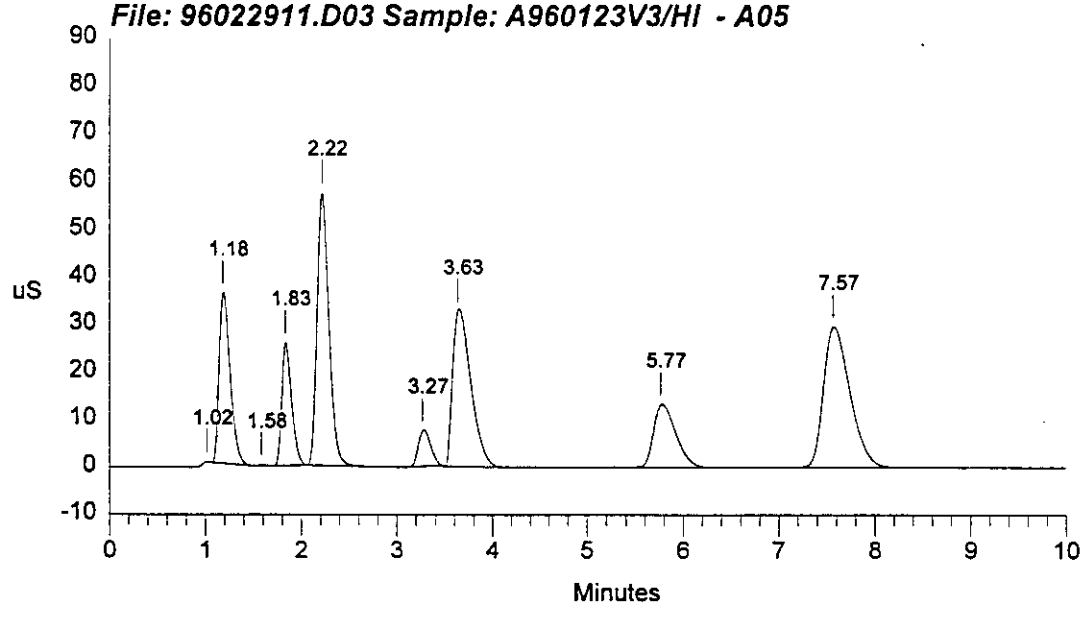
Data Reprocessed On 02/29/1996 16:23:48

Sample Name: A960123V3/HI - A05	Date: 02/29/1996 11:59:49
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D03	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 3 Vial:A05	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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	34257	78221	1	
2	1.18	FLUORIDE	25.700	35744707	288275510	1	2.69
3	1.58		0.000	120538	785858	1	
4	1.83	CHLORIDE	24.870	25764411	181881693	1	0.00
5	2.22	NITRITE	103.869	57170496	490894348	1	0.76
6	3.27	BROMIDE	25.249	7495841	67721145	1	-4.64
7	3.63	NITRATE	104.217	32489310	436241004	1	0.00
8	5.77	PHOSPHATE	104.890	13167805	217707009	1	-2.90
9	7.57	SULFATE	104.043	29485984	566087860	1	0.00
		Totals	492.837	201473349	2249672649		



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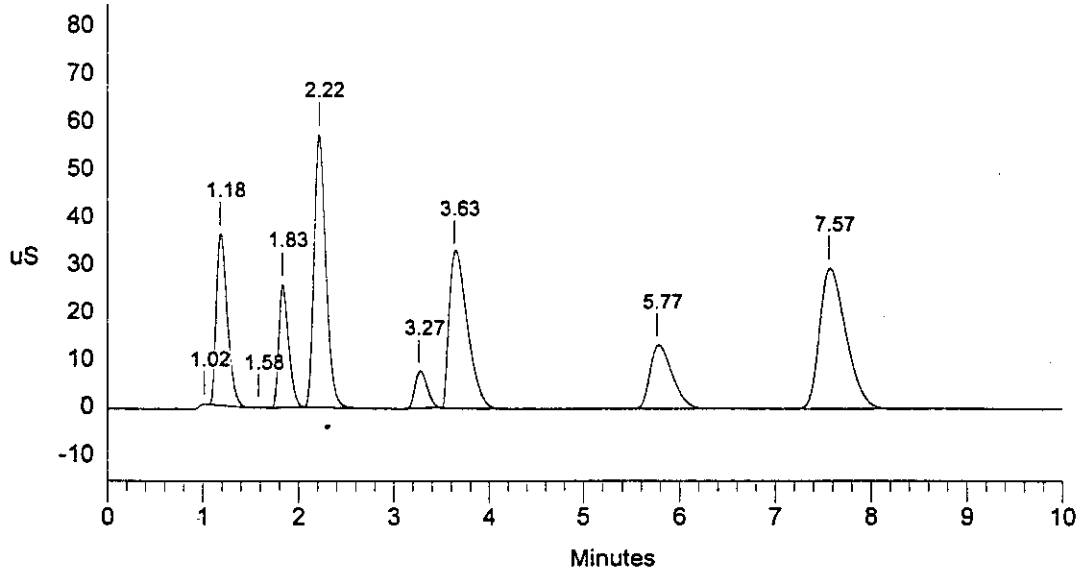
==============================================================================
| Sample Name: A960123V3/HI  - A05            Date: 02/29/1996 11:59:49      |
| Data File  : l:\iag\ic\icdata\9602291\96022911.D03                         |
| Method     : c:\dx\method\lanions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 3   Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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	34257	78221	1	
2	1.18	FLUORIDE	25.700	35744707	288275510	1	2.69
3	1.58		0.000	120538	785858	1	
4	1.83	CHLORIDE	24.870	25764411	181881693	1	0.00
5	2.22	NITRITE	103.869	57170496	490894348	1	0.76
6	3.27		0.000	7495841	67721145	1	
7	3.63	BROMIDE	85.938	32489310	436241004	1	4.05
8	5.77	PHOSPHATE	104.890	13167805	217707009	1	-1.03
9	7.57	SULFATE	104.043	29485984	566087860	1	0.00
		Totals	449.309	201473349	2249672649		

File: 96022911.D03 Sample: A960123V3/HI - A05



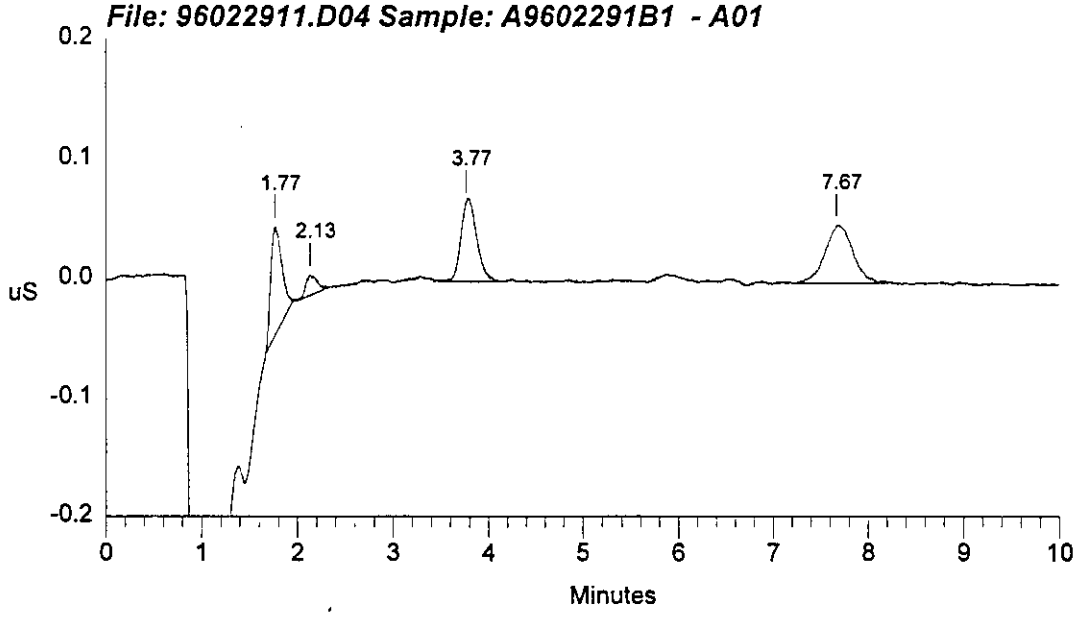
Data Reprocessed On 02/29/1996 16:30:27

Sample Name: A9602291B1 - A01	Date: 02/29/1996 12:11:53
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.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 (10196/12484)	

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	1.77	CHLORIDE	0.071	90467	718346	1	0.00
2	2.13	NITRITE	0.223	16828	139555	1	0.63
3	3.77	NITRATE	0.244	65406	793840	1	0.00
4	7.67	SULFATE	0.206	47454	996765	1	0.00
		Totals	0.744	220155	2648506		



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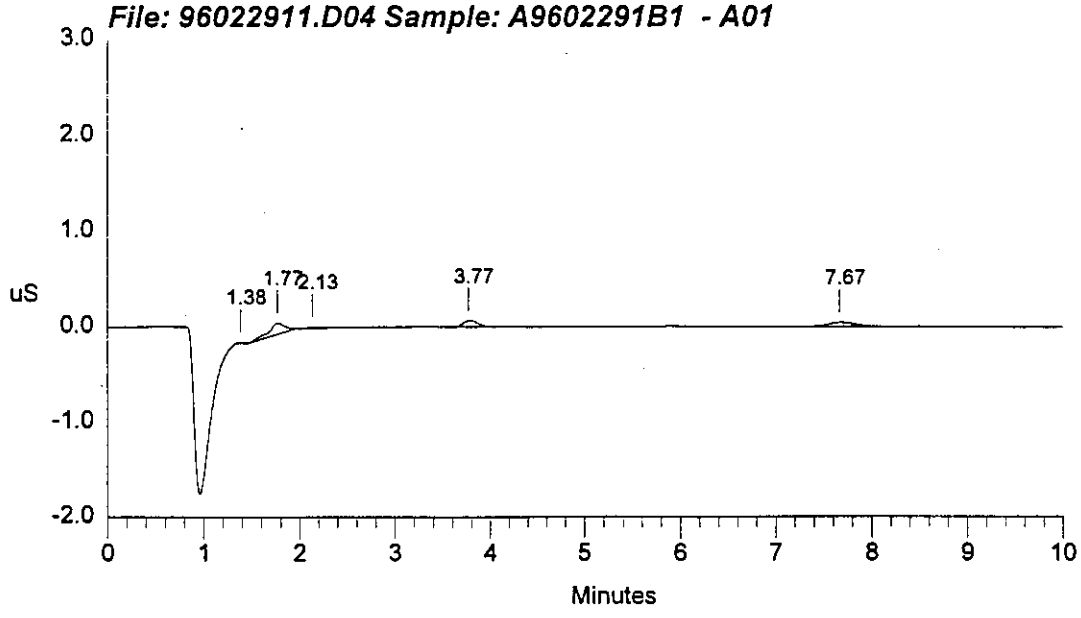
==============================================================================
| Sample Name: A9602291B1  - A01                Date: 02/29/1996 12:11:53     |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D04                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 4   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.38		0.000	15059	59467	1	
2	1.77	CHLORIDE	0.097	119280	1376447	1	0.00
3	2.13	NITRITE	0.223	16828	139555	1	0.63
4	3.77	NITRATE	0.244	65406	793840	1	0.00
5	7.67	SULFATE	0.206	47454	996765	1	0.00
		Totals	0.771	264027	3366073		



Data Reprocessed on 2/29/1996 4:39:09 pm MMO
2-29-96

DataDReprReprocessedOnd00/29/1996 16:39:09

Sample Name: 96-2605-BS - A35	Date: 02/29/1996 12:23:19
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D05	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 5 Vial:A35	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

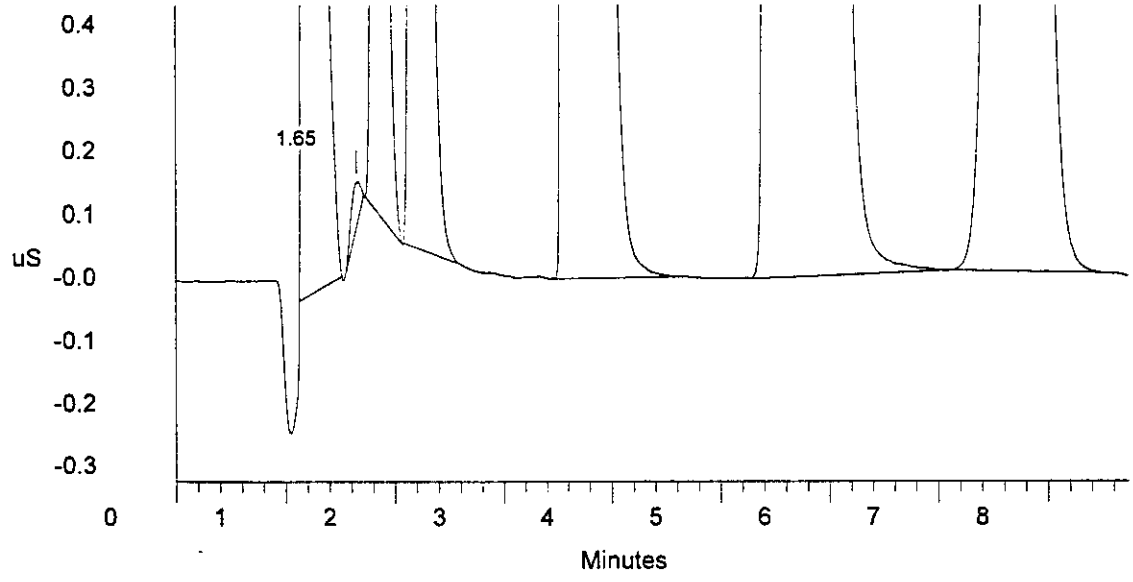
Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	1	2833	5Hz	0.00	8.75	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.20	FLUORIDE	3.300	8635375	65313333	1	4.13
2	1.65		0.000	69041	432064	1	
3	1.83	CHLORIDE	1.411	2099918	16803482	1	0.00
4	2.22	NITRITE	5.477	5290402	44453075	1	0.76
5	3.63	NITRATE	62.880	37962318	555438433	1	0.09
6	5.57	PHOSPHATE	47.098	53546585	1156145627	1	-6.27
7	7.67	SULFATE	26.500	13680323	258972846	1	0.00
		Totals	146.665	121283963	2097558860		

p0X

File: 96022911.D05 Sample: 96-2605-BS - A35



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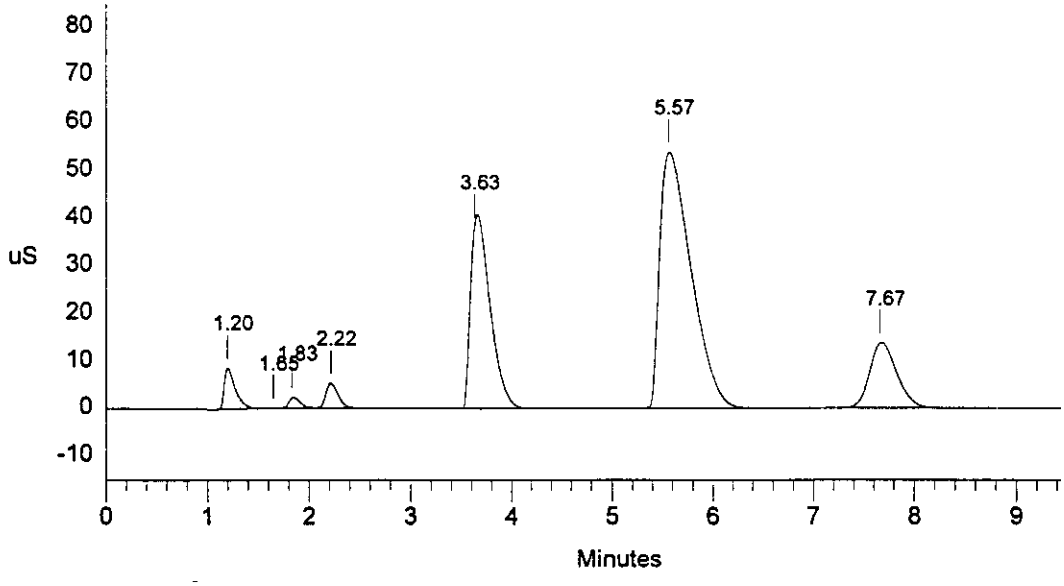
==============================================================================
| Sample Name: 96-2605-BS  - A35                Date: 02/29/1996 12:23:19     |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D05                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	2833	5Hz	0.00	9.44	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.20	FLUORIDE	3.300	8635375	65313333	1	4.13
2	1.65		0.000	69041	432064	1	
3	1.83	CHLORIDE	1.411	2099918	16803482	1	0.00
4	2.22	NITRITE	5.449	5288868	44203420	1	0.76
5	3.63	BROMIDE	38.925	37962618	555525792	1	4.05
6	5.57	PHOSPHATE	47.098	53546585	1156145627	1	-4.46
7	7.67	SULFATE	26.500	13680323	258972846	1	0.00
		Totals	122.682	121282728	2097396565		

File: 96022911.D05 Sample: 96-2605-BS - A35



Data Reprocessed On 02/29/1996 16:31:58

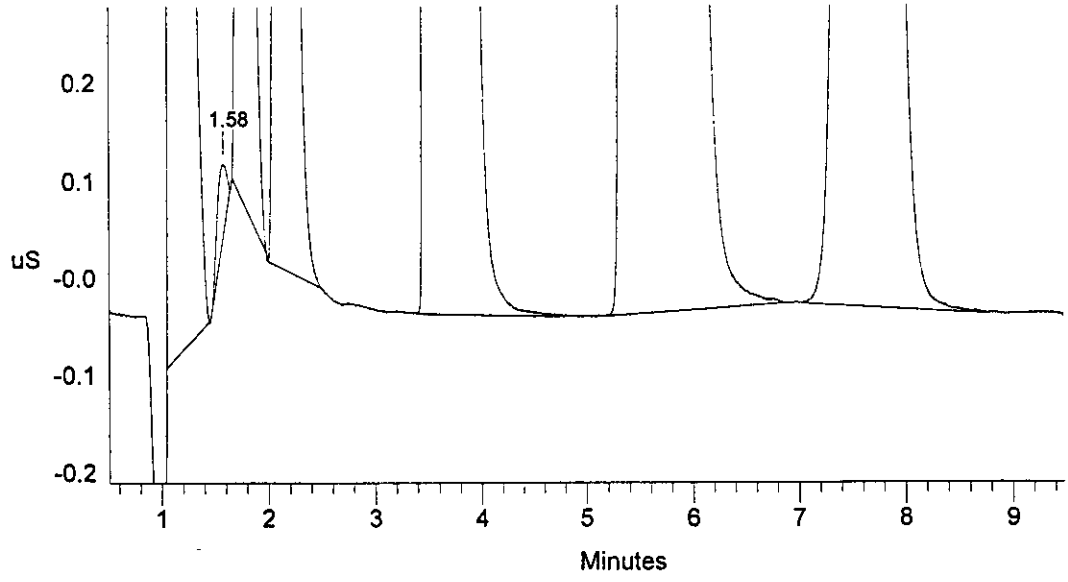
Sample Name: 96-2611-BS - A36	Date: 02/29/1996 12:37:22
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D06	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 6 Vial:A36	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	1	3000	5Hz	0.51	9.48	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12	FLUORIDE	3.279	8396206	64883256	1	0.56
2	1.58		0.000	73515	509880	1	
3	1.77	CHLORIDE	1.382	2161650	16438409	1	0.00
4	2.13	NITRITE	5.338	5102881	43217498	1	0.63
5	3.57	NITRATE	62.956	39751419	556342040	1	-0.09
6	5.50	PHOSPHATE	46.925	53690314	1156985725	1	-7.22
7	7.60	SULFATE	26.451	13747736	258447124	1	0.00
		Totals	146.332	122923721	2096823932		

File: 96022911.D06 Sample: 96-2611-BS - A36



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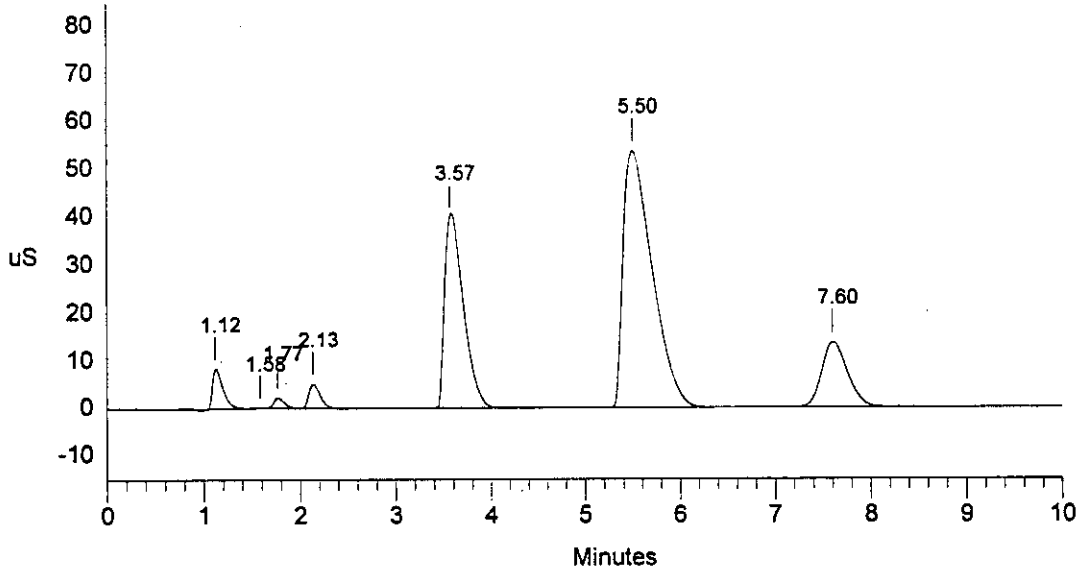
==============================================================================
| Sample Name: 96-2611-BS  - A36                Date: 02/29/1996 12:37:22     |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D06                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A36        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	3000	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	FLUORIDE	3.279	8396206	64883256	1	0.56
2	1.58		0.000	73515	509880	1	
3	1.77	CHLORIDE	1.382	2161650	16438409	1	0.00
4	2.13	NITRITE	5.303	5101693	42906021	1	0.63
5	3.57	BROMIDE	38.876	39750601	556296096	1	5.99
6	5.50	PHOSPHATE	46.925	53690314	1156985725	1	-3.84
7	7.60	SULFATE	26.451	13747736	258447124	1	0.00
		Totals	122.218	122921716	2096466511		

File: 96022911.D06 Sample: 96-2611-BS - A36



Data Reprocessed On 02/29/1996 16:33:29

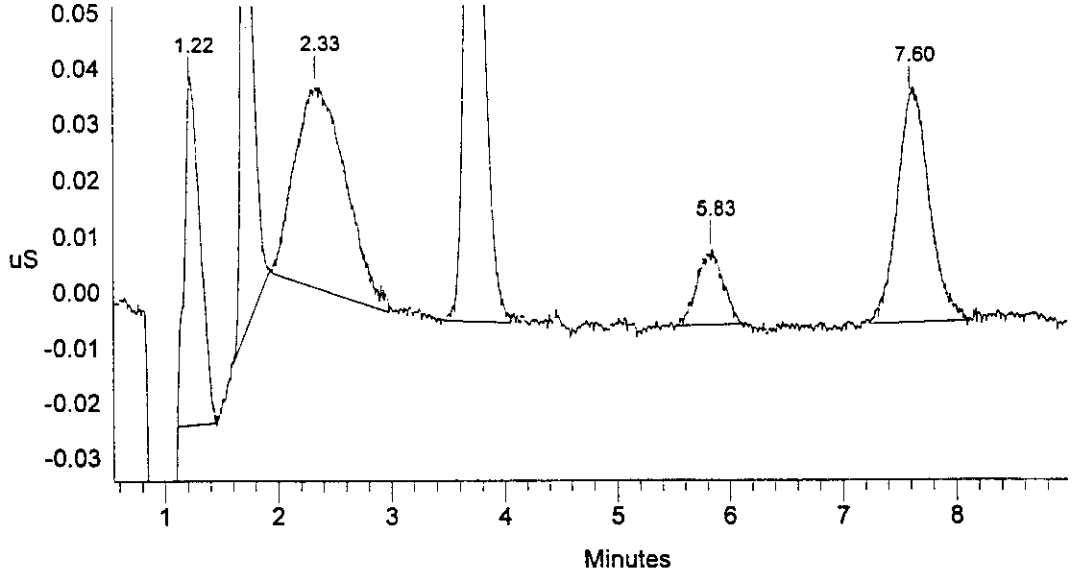
Sample Name: 96-2605-BLK - A07	Date: 02/29/1996 12:48:45
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D07	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 7 Vial:A07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	3000	5Hz	0.55	8.98	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.22		0.000	60193	601059	1	
2	1.72	CHLORIDE	0.704	91287	698794	1	0.00
3	2.33		0.000	35547	1129511	1	
4	3.73	NITRATE	2.888	128687	1428786	1	0.00
5	5.83	PHOSPHATE	1.560	12797	214210	1	-2.56
6	7.60	SULFATE	1.963	39790	811756	1	0.00
		Totals	7.115	368301	4884115		

File: 96022911.D07 Sample: 96-2605-BLK - A07



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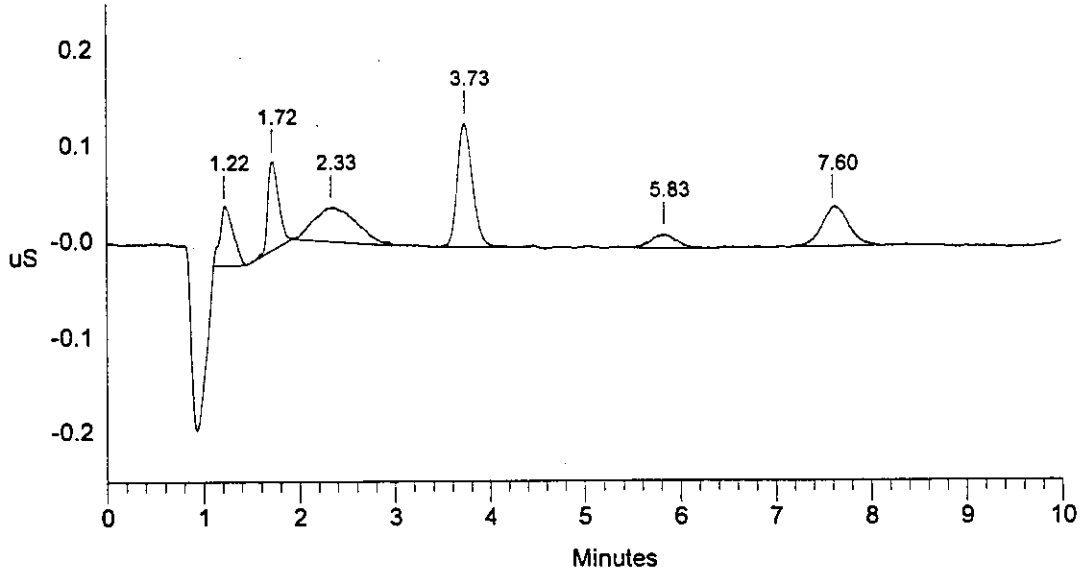
==============================================================================
| Sample Name: 96-2605-BLK  - A07              Date: 02/29/1996 12:48:45      |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D07                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 7   Vial:A07        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.22		0.000	60193	601059	1	
2	1.72	CHLORIDE	0.716	92782	730229	1	0.00
3	2.33		0.000	35547	1129511	1	
4	3.73	NITRATE	2.891	128629	1433036	1	0.00
5	5.83	PHOSPHATE	1.646	14083	274704	1	-2.56
6	7.60	SULFATE	1.963	39790	811756	1	0.00
		Totals	7.217	371024	4980295		

File: 96022911.D07 Sample: 96-2605-BLK - A07



Data Reprocessed On 02/29/1996 16:34:06

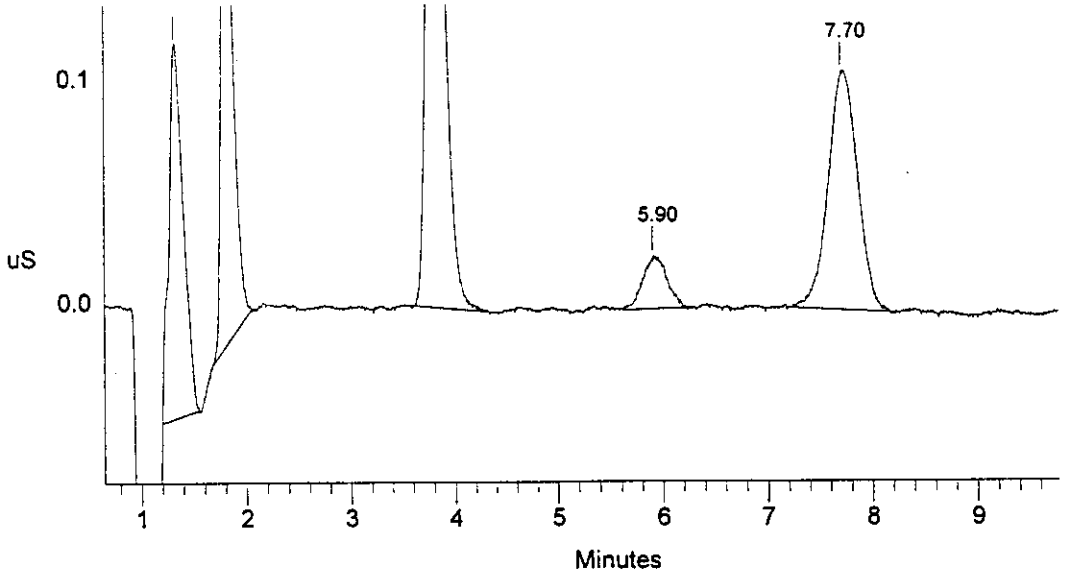
Sample Name: 96-2605-BLK - A07	Date: 02/29/1996 13:00:13
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D08	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 8 Vial:A07	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	1	3000	5Hz	0.65	9.77	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.32		0.000	165981	1608735	1	
2	1.80	CHLORIDE	0.478	234804	1931710	1	0.00
3	3.80	NITRATE	1.783	320386	3660779	1	0.00
4	5.90	PHOSPHATE	0.718	21921	378944	1	-3.18
5	7.70	SULFATE	1.067	104376	2100164	1	0.00
		Totals	4.046	847468	9680332		

File: 96022911.D08 Sample: 96-2605-BLK - A07



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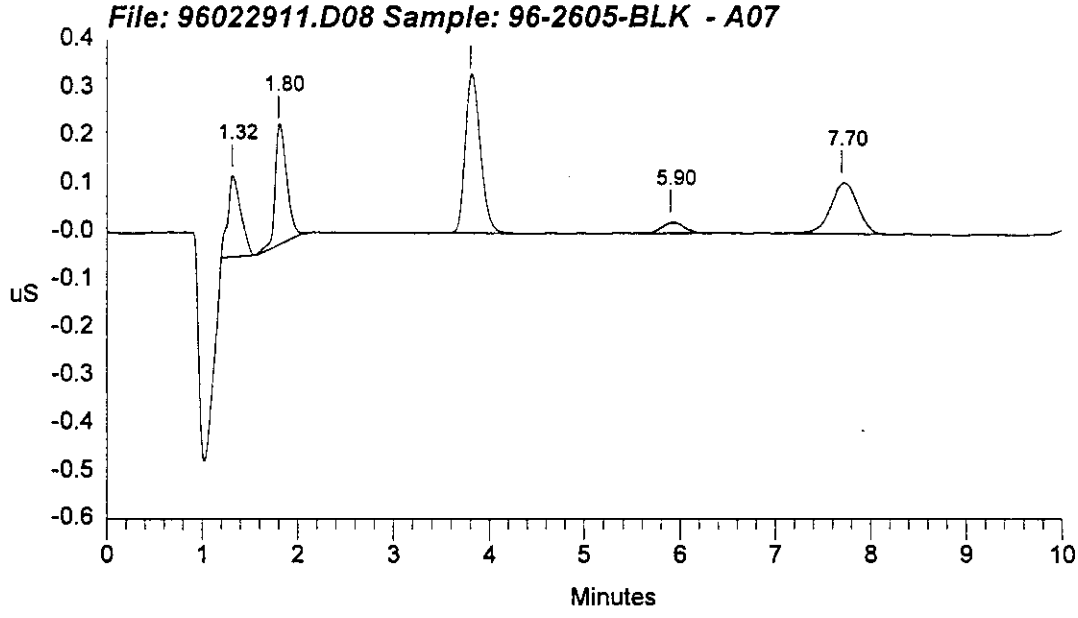
| Sample Name: 96-2605-BLK  - A07              Date: 02/29/1996 13:00:13      |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D08                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A07        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.32		0.000	165981	1608735	1	
2	1.80	CHLORIDE	0.504	242028	2092532	1	0.00
3	3.80	NITRATE	1.783	320386	3660779	1	0.00
4	5.90	PHOSPHATE	0.718	21921	378944	1	-3.18
5	7.70	SULFATE	1.067	104376	2100164	1	0.00
		Totals	4.071	854692	9841154		



Data Reprocessed On 02/29/1996 16:35:27

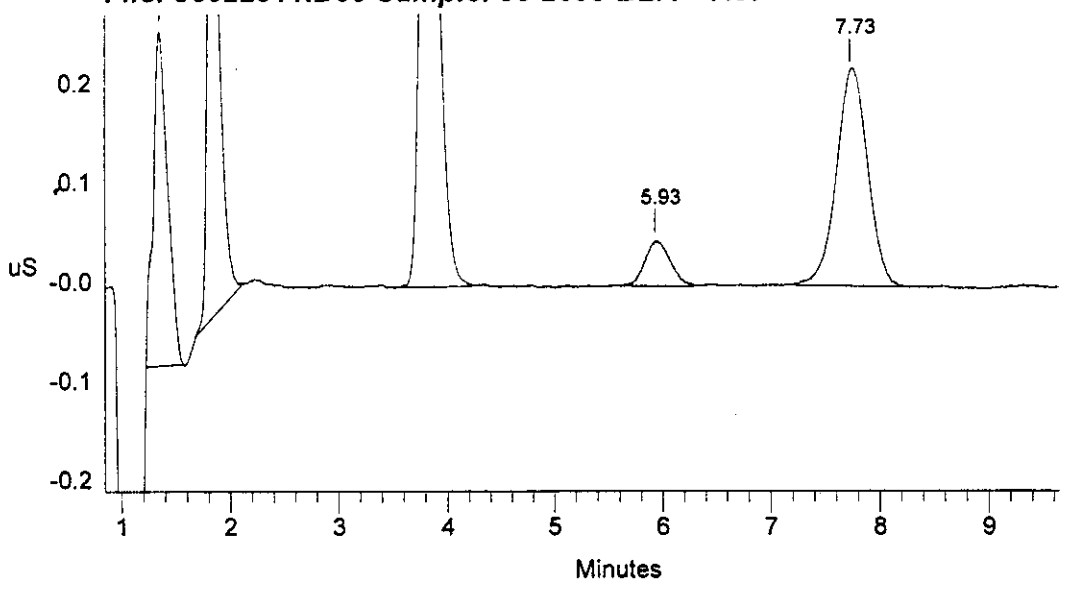
Sample Name: 96-2605-BLK - A07	Date: 02/29/1996 13:11:55
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D09	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 9 Vial:A07	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	3000	5Hz	0.85	9.65	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.35		0.000	336800	3079526	1	
2	1.83	CHLORIDE	0.408	498969	4056480	1	0.00
3	3.83	NITRATE	1.452	686159	7661344	1	0.00
4	5.93	PHOSPHATE	0.461	44099	735956	1	-3.48
5	7.73	SULFATE	0.782	215451	4376290	1	0.00
		Totals	3.103	1781478	19909596		

File: 96022911.D09 Sample: 96-2605-BLK - A07



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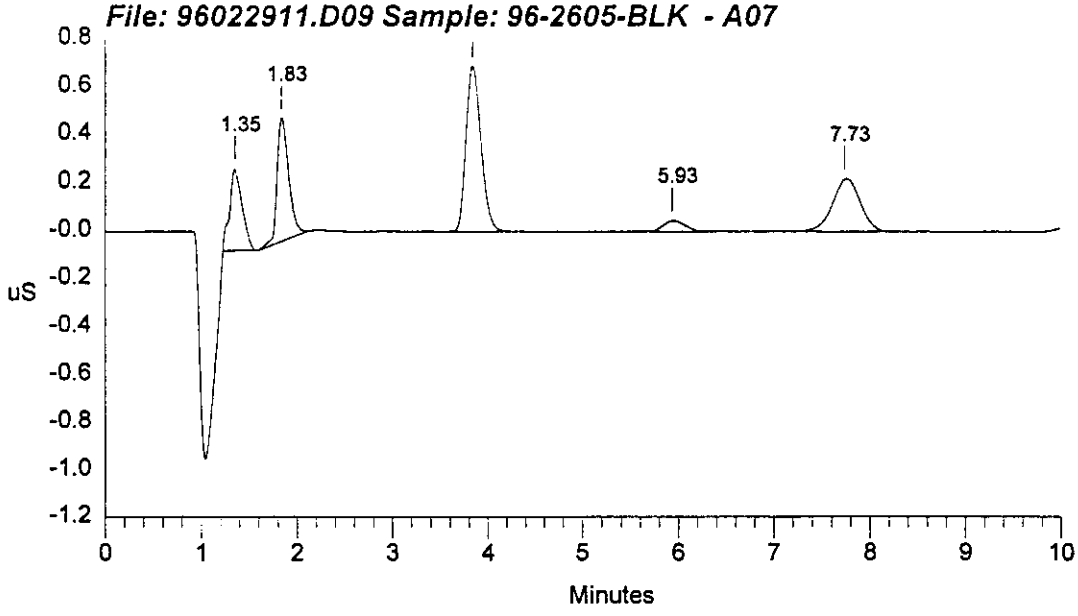
==============================================================================
| Sample Name: 96-2605-BLK  - A07              Date: 02/29/1996 13:11:55      |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D09                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 9   Vial:A07        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.35		0.000	336800	3079526	1	
2	1.83	CHLORIDE	0.426	508689	4282494	1	0.00
3	3.83	NITRATE	1.452	686159	7661344	1	0.00
4	5.93	PHOSPHATE	0.461	44099	735956	1	-3.48
5	7.73	SULFATE	0.782	215451	4376290	1	0.00
		Totals	3.121	1791199	20135611		



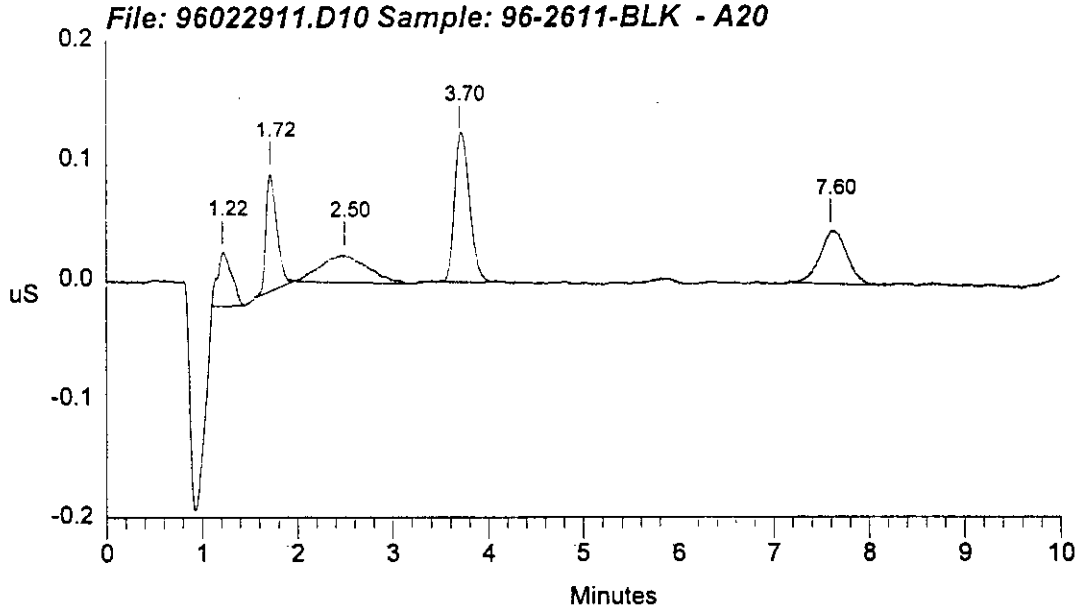
Data Reprocessed On 02/29/1996 16:36:47

Sample Name: 96-2611-BLK - A20	Date: 02/29/1996 13:23:16
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D10	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 10 Vial:A20	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.22		0.000	43293	470036	1	
2	1.72	CHLORIDE	0.729	97191	762660	1	0.00
3	2.50		0.000	22807	794066	1	
4	3.70	NITRATE	2.848	120065	1371514	1	0.00
5	7.60	SULFATE	1.991	42637	863910	1	0.00
		Totals	5.569	325994	4262186		



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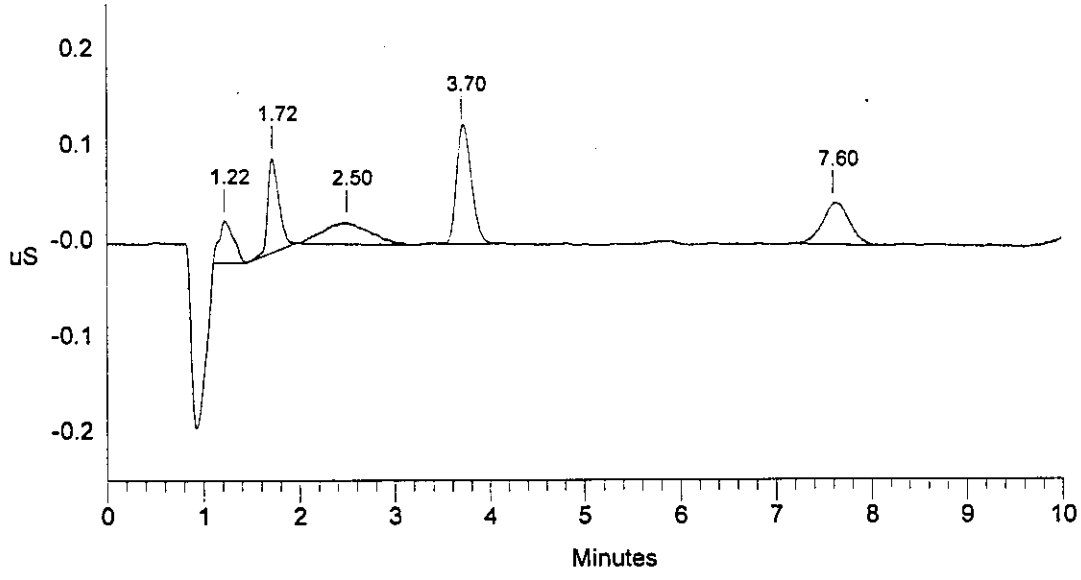
==============================================================================
| Sample Name: 96-2611-BLK  - A20              Date: 02/29/1996 13:23:16      |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D10                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 10  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.22		0.000	43338	471585	1	
2	1.72	CHLORIDE	0.742	98492	795227	1	0.00
3	2.50		0.000	22807	794066	1	
4	3.70	NITRATE	2.848	120065	1371514	1	0.00
5	7.60	SULFATE	1.991	42637	863910	1	0.00
		Totals	5.582	327339	4296303		

File: 96022911.D10 Sample: 96-2611-BLK - A20

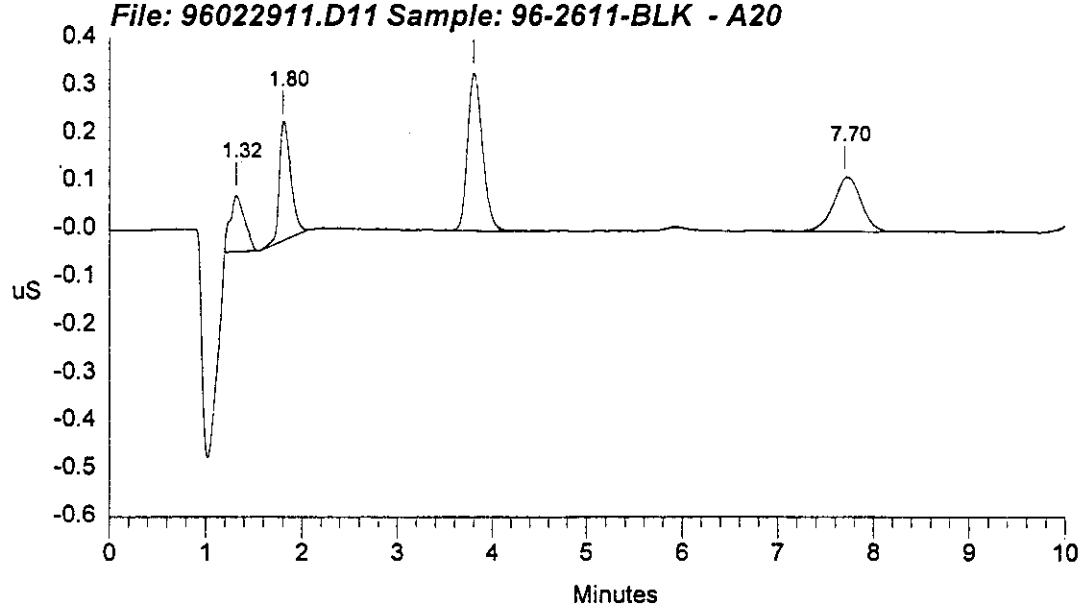


```
==============================================================================
| Sample Name: 96-2611-BLK  - A20            Date: 02/29/1996 13:34:45       |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D11                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 11  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.32		0.000	118041	1237776	1	
2	1.80	CHLORIDE	0.500	244761	2063988	1	0.00
3	3.80	NITRATE	1.796	329759	3708249	1	0.00
4	7.70	SULFATE	1.108	110832	2289288	1	0.00
		Totals	3.404	803393	9299301		



Data Reprocessed On 02/29/1996 16:37:34

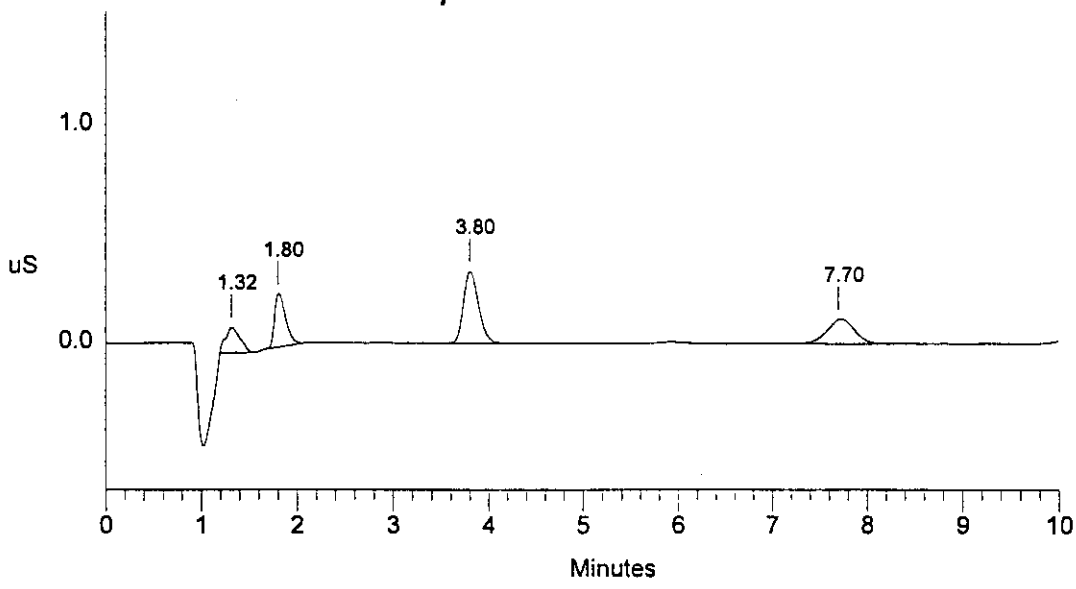
Sample Name: 96-2611-BLK - A20	Date: 02/29/1996 13:34:45
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D11	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 11 Vial:A20	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.32		0.000	118041	1237776	1	
2	1.80	CHLORIDE	0.484	240318	1967323	1	0.00
3	3.80	NITRATE	1.796	329759	3708249	1	0.00
4	7.70	SULFATE	1.108	110832	2289288	1	0.00
		Totals	3.388	798950	9202636		

File: 96022911.D11 Sample: 96-2611-BLK - A20



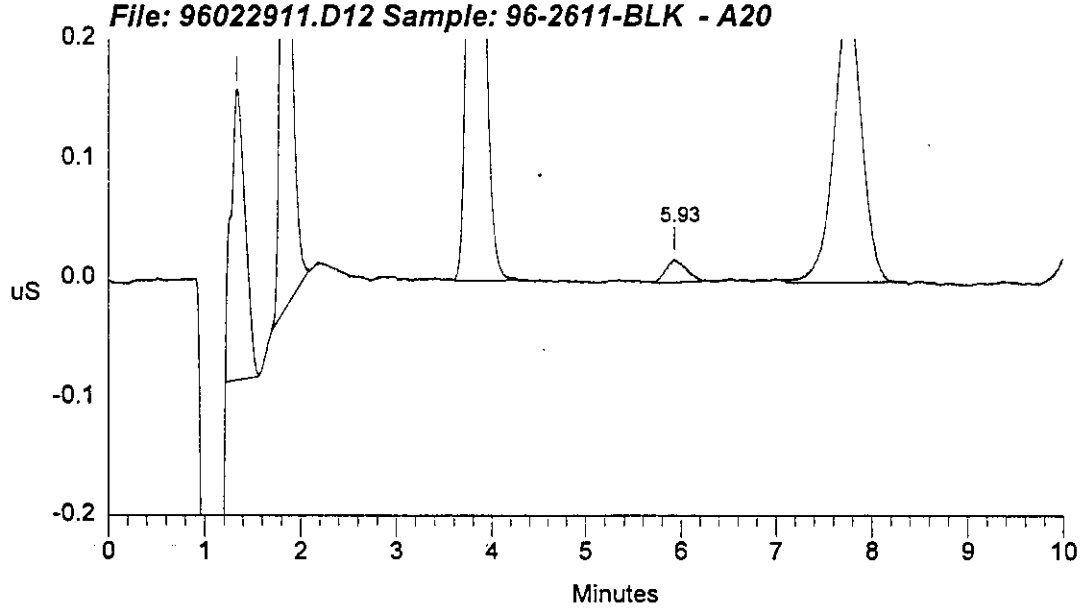
Data Reprocessed On 02/29/1996 16:38:13

Sample Name: 96-2611-BLK - A20	Date: 02/29/1996 13:46:25
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D12	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 12 Vial:A20	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	242687	2553306	1	
2	1.83	CHLORIDE	0.403	499974	3986338	1	0.00
3	3.80	NITRATE	1.433	659008	7527074	1	0.00
4	5.93	PHOSPHATE	0.334	19204	289997	1	-2.63
5	7.73	SULFATE	0.822	230082	4743006	1	0.00
		Totals	2.992	1650954	19099722		



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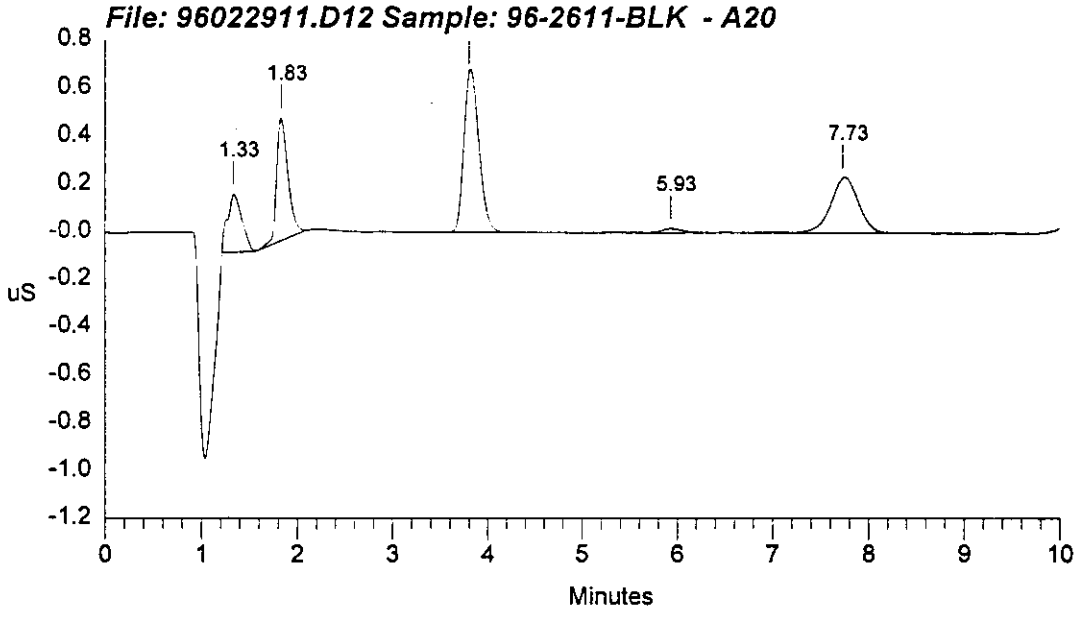
==============================================================================
| Sample Name: 96-2611-BLK  - A20            Date: 02/29/1996 13:46:25       |
| Data File  : l:\iag\ic\icdata\9602291\96022911.D12                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 12  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	242687	2553306	1	
2	1.83	CHLORIDE	0.421	510091	4214968	1	0.00
3	3.80	NITRATE	1.433	659008	7527074	1	0.00
4	5.93	PHOSPHATE	0.334	19204	289997	1	-2.63
5	7.73	SULFATE	0.822	230082	4743006	1	0.00
		Totals	3.010	1661071	19328351		



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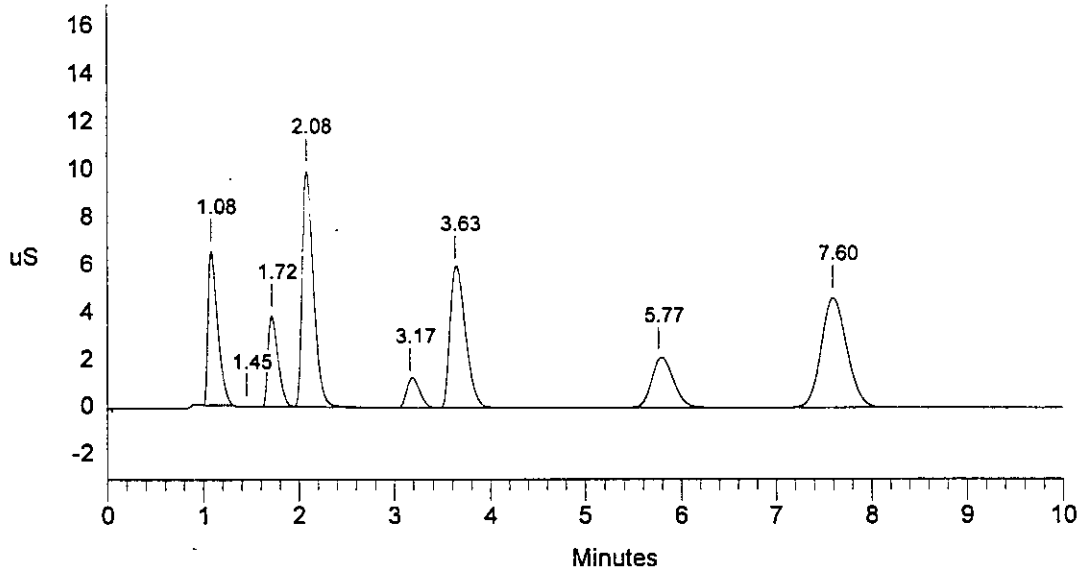
==============================================================================
| Sample Name: A960123V1/LO  - A05            Date: 02/29/1996 13:57:56      |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D13                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 13  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	23.388	6491571	45322098	1	0.40
2	1.45		0.000	27817	195896	1	
3	1.72	CHLORIDE	22.978	3844851	28319903	1	0.00
4	2.08	NITRITE	96.750	9936094	81945565	1	1.13
5	3.17	BROMIDE	24.350	1173336	12162039	1	-3.16
6	3.63	NITRATE	95.597	5882857	66857857	1	0.00
7	5.77	PHOSPHATE	97.033	2037137	33909010	1	-1.03
8	7.60	SULFATE	95.915	4640072	87096849	1	0.00
		Totals	456.011	34033734	355809217		

File: 96022911.D13 Sample: A960123V1/LO - A05



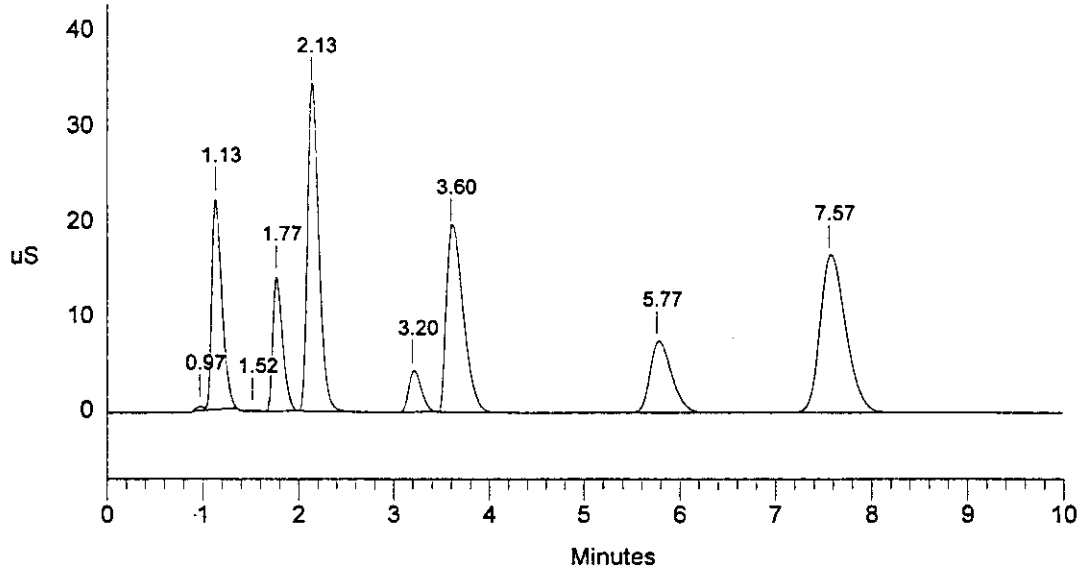
```
==============================================================================
| Sample Name: A960123V2/MID  - A05          Date: 02/29/1996 14:09:25       |
| Data File  : 1:\iag\ic\icdata\9602291\96022911.D14                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	386985	2085347	2	
2	1.13	FLUORIDE	25.650	22087386	161786600	2	2.06
3	1.52		0.000	84647	554707	1	
4	1.77	CHLORIDE	24.642	13990023	99574675	1	0.00
5	2.13	NITRITE	104.289	33701641	283264838	1	0.63
6	3.20	BROMIDE	25.561	4137123	39694594	1	-4.91
7	3.60	NITRATE	104.313	19025411	240550979	1	0.00
8	5.77	PHOSPHATE	104.290	7242713	119054729	1	-0.11
9	7.57	SULFATE	103.568	16315714	309030084	1	0.00
		Totals	492.312	116971643	1255596554		

File: 96022911.D14 Sample: A960123V2/MID - A05



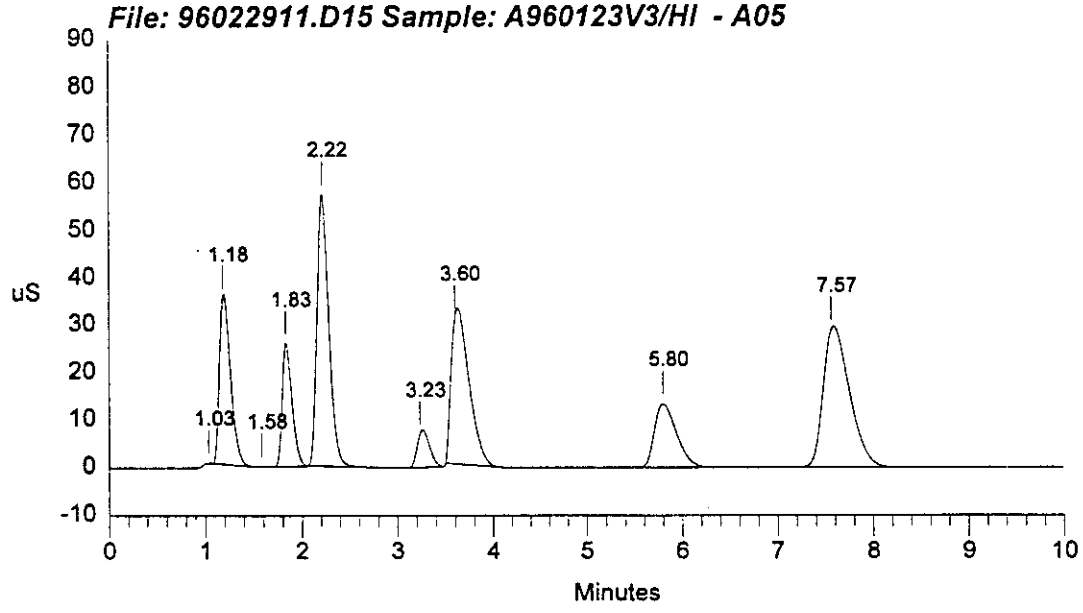
Data Reprocessed On 02/29/1996 16:38:50

Sample Name: A960123V3/HI - A05	Date: 02/29/1996 14:21:06
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D15	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 15 Vial:A05	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	76626	183283	1	
2	1.18	FLUORIDE	25.510	34842429	285781008	1	2.69
3	1.58		0.000	116800	778995	1	
4	1.83	CHLORIDE	24.819	25800917	181424182	1	0.00
5	2.22	NITRITE	103.328	57099639	488060271	1	0.76
6	3.23	BROMIDE	25.937	6895473	69747016	1	-4.45
7	3.60	NITRATE	101.552	30604737	422520455	1	0.00
8	5.80	PHOSPHATE	104.487	13342559	216666585	1	-2.25
9	7.57	SULFATE	103.767	28918267	564208833	1	0.00
		Totals	489.398	197697446	2229370629		



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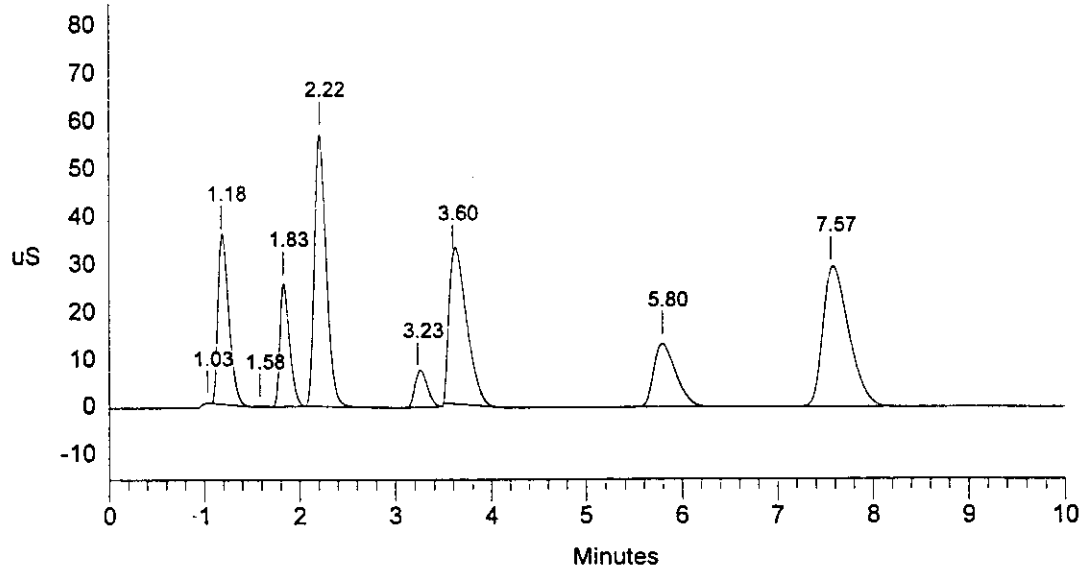
==============================================================================
| Sample Name: A960123V3/HI  - A05            Date: 02/29/1996 14:21:06      |
| Data File  : l:\iag\ic\icdata\9602291\96022911.D15                         |
| Method     : c:\dx\method\lanions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 15  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	76626	183283	1	
2	1.18	FLUORIDE	25.510	34842429	285781008	1	2.69
3	1.58		0.000	116800	778995	1	
4	1.83	CHLORIDE	24.819	25800917	181424182	1	0.00
5	2.22	NITRITE	103.328	57099639	488060271	1	0.76
6	3.23		0.000	6895473	69747016	1	
7	3.60	BROMIDE	85.998	30604737	422520455	1	3.09
8	5.80	PHOSPHATE	104.487	13342559	216666585	1	0.47
9	7.57	SULFATE	103.767	28918267	564208833	1	0.00
		Totals	447.909	197697446	2229370629		

File: 96022911.D15 Sample: A960123V3/HI - A05



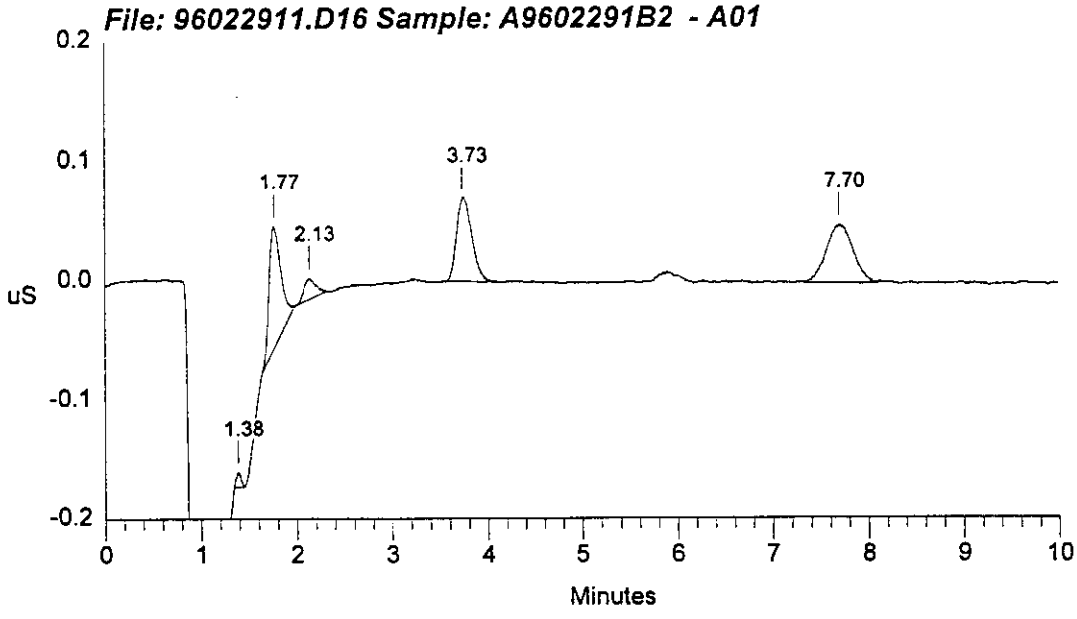
Data Reprocessed On 02/29/1996 16:39:31

Sample Name: A9602291B2 - A01	Date: 02/29/1996 14:33:13
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602291\96022911.D16	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 16 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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	1.38		0.000	11868	40845	1	
2	1.77	CHLORIDE	0.077	101382	864643	1	0.00
3	2.13	NITRITE	0.223	17256	147540	1	0.63
4	3.73	NITRATE	0.243	67914	778853	1	0.00
5	7.70	SULFATE	0.204	47747	944721	1	0.00
		Totals	0.747	246167	2776603		



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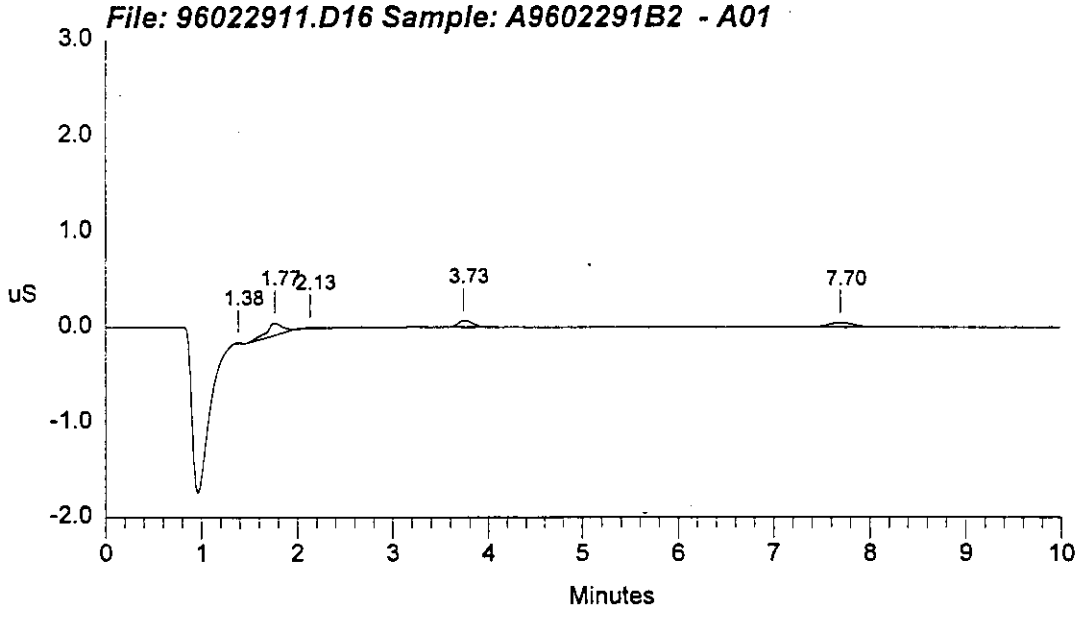
==============================================================================
| Sample Name: A9602291B2  - A01              Date: 02/29/1996 14:33:13      |
| Data File  : l:\iag\ic\icdata\9602291\96022911.D16                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 16  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.38		0.000	11868	40845	1	
2	1.77	CHLORIDE	0.104	128820	1529661	1	0.00
3	2.13	NITRITE	0.223	17256	147540	1	0.63
4	3.73	NITRATE	0.243	67914	778853	1	0.00
5	7.70	SULFATE	0.204	47747	944721	1	0.00
		Totals	0.773	273604	3441621		



****REPORT GENERATION FOR SOLID SAMPLES****

This compiled data sheet may be used for report generation, DIL(EX)=EXTRACTION DILUTION&DIL(AN)=ANALYTICAL DILUTION=(100/INJ VOL) X MANUAL DILUTION (from Data Review Sheet

Divide ug/g values in this table by the product, DIL(EX)*DIL(AN), to obtain the concentrations in the analyzed solutions.

Approx. DL values (ug/g, solids) may be found by multiplying DIL(EX)*DIL(AN by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902 METHOD: PNL-MA 599-ALO-212, Var. Loop Size

The blank and blank spike are reported in ug/ml. ~~The final volume of the blank and blank spike was assumed to be 50ml.~~ and ug/g assuming an average process factor for samples extracted with that blank. MO 3/19/96

Analyst M. O'Neill 3/4/96 Reviewer [signature] MAR 21 1996

********** Units of Measurement: ug/g (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL (EX)	%SOLI	SAM. WT.	DIL.VOL.	DIL. (AN)	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d07	96-2605-BLK - A07	100	96.9069				1	24.2267175	32.643176	48.4534349	24.2267175	115.712617	48.4534349	57.2468612
02/27.d07	96-2605-BLK - A07	100	1		MO 3-21-96	~~50.4163~~	1	0	0.336851	0	0	1.19406	0.251593	0.590741
02/27.d08	96-2605-BS - A08	100	101.216		0.5	50.1078	10	270.56853	161.209123	658.183792	0	6026.96387	21001.5285	2473.98255
02/27.d09	96-2605/118.1AA.W - A09	25	92.5884	100	0.5461	50.0164	40	8310.36028	1085.61697	25521.7945	1458.04436	72371.0386	15040.0522	5985.20747
02/27.d10	DUP96-2605118.1AA.W -	25	94.1464	100	0.5381	50.1221	40	NR 8774.64603	NR 1107.03976	25430.366	1464.83389	72146.7715	15204.0854	5973.20569
02/27.d11	96-2606/118.1AB.W - A11	30	95.1802	100	0.531	50.0097	33.3333	8874.88981	1027.40391	24257.3469	2529.44306	68142.5696	23081.1096	5626.54099
02/27.d12	DUP96-2606/118.1AB.W -	30	92.0815	100	0.5495	50.0493	33.3333	9232.64655	1026.15656	23969.9269	2508.61392	67347.6013	26563.1269	5560.37994
02/27.d13	96-2607/118.2A.W - A13	30	98.7486	100	0.5124	50.0864	33.3333	7358.73832	1133.59482	28041.2546	199.069346	77984.9561	17161.1301	6437.48269
02/27.d14	DUP96-2607/118.2A.W - A	30	100.232	100	0.5044	50.0524	33.3333	7188.78806	1147.30058	28618.717	209.448884	79452.0559	17352.1883	6547.41632
02/27.d15	96-2608/118.2B.W - A15	30	99.8685	100	0.5064	50.067	33.3333	8259.73278	1151.20398	28366.8438	489.496383	79344.9109	16860.2967	6549.61483
02/28.d60	96-2608/118.2B.W - A15	50	99.8685	100	0.5064	50.067	20	8460.36856	1111.95567	NR 29172.7824	NR 449.549989	NR 74875.197	NR 17316.1963	NR 6530.47004
02/27.d20	DUP96-2608/118.2B.W - A	30	99.3452	100	0.5099	50.1462	33.3333	7913.49813	1208.44453	28355.5939	490.365751	79313.4052	16563.4221	6558.99633
02/27.d21	MS96-2608/118.2B.W - A1	30	95.5328	100	0.5308	50.178	33.3333	6665.81888	1285.68016	28640.7277	474.614497	83770.7847	35143.0708	8777.8767
02/28.d61	MS96-2608/118.2B.W - A1	50	95.5328	100	0.5308	50.178	20	6845.14346	1253.01751	29410.4353	424.80275	77174.2462	35868.2602	8826.42646
02/27.d22	96-2609/118.3A.W - A18	30	100.183	100	0.5043	50.018	33.3333	13470.0086	1118.36316	27580.1867	417.158113	76327.3436	14715.0832	6814.93031
02/27.d23	DUP96-2609/118.3A.W - A	30	98.0694	100	0.5161	50.0975	33.3333	13888.8779	1093.23807	27399.0119	418.456102	75707.8837	14675.7865	6825.36311
02/27.d24	96-2611-BLK - A20	100	1		MO 3-21-96	~~50.0270~~	1	0	0.33919	0	0	1.17744	0.190409	0.616832
02/27.d24	96-2611-BLK - A20	100	96.4031				1	24.1007688	32.6989591	48.2015377	24.1007688	113.508837	48.2015377	59.4645018
02/27.d25	96-2611-BS - A21	100	101.099		0.5	50.0497	10	263.423586	164.060062	646.172771	0	5986.01459	20800.595	2451.63012
02/27.d26	96-2611/119.1A.W - A22	30	96.5312	100	0.5241	50.0679	33.3333	10559.3545	1095.61943	24946.9432	0	78894.9468	13091.8504	6140.53281
02/27.d27	DUP96-2611/119.1A.W - A	30	93.0683	100	0.5445	50.1312	33.3333	11453.3597	1088.36885	25124.3513	0	79120.9151	13159.302	6185.64626
02/27.d28	96-2612/119.1B.W - A24	30	95.8522	100	0.5291	50.1863	33.3333	10724.6153	982.782211	21749.0563	0	70505.2373	31961.4374	5798.4831
02/27.d29	DUP96-2612/119.1B.W - A	30	98.046	100	0.5172	50.1922	33.3333	10466.0201	1001.00081	21842.8878	0	71095.0298	30445.1512	5859.75943
02/27.d34	96-2613/119.2A.W - A26	30	94.8513	100	0.5333	50.0509	33.3333	12263.7992	1076.29671	25418.8213	405.130783	77112.2125	11745.9111	6362.79615
02/27.d35	DUP96-2613/119.2A.W - A	30	95.9905	100	0.5269	50.0505	33.3333	13593.6002	1084.86555	25830.7584	420.877113	78084.3447	11711.9942	6493.95962
02/27.d36	96-2614/119.2B.W - A28	30	94.5423	100	0.5348	50.0264	33.3333	10491.3545	1066.71085	24755.4178	195.798909	76366.415	16365.8322	6518.74547
02/27.d37	DUP96-2614/119.2B.W - A	30	97.404	100	0.519	50.0337	33.3333	10911.8831	1091.87988	24959.0076	197.834436	77044.5551	16298.8139	6586.83174

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

NR - Not reported

• Blank reported as ug/g using an average of all the process factors extracted with that blank.

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****REPORT GENERATION FOR SOLID SAMPLES****

This compiled data sheet may be used for report generation, DIL(EX)=EXTRACTION DILUTION&DIL(AN)=ANALYTICAL DILUTION=(100/INJ VOL) X MANUAL DILUTION (from Data Review Sheet

Divide ug/g values in this table by the product, DIL(EX)*DIL(AN), to obtain the concentrations in the analyzed solutions.

Approx. DL values (ug/g, solids) may be found by multiplying DIL(EX)*DIL(AN by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. Mitchell 3/14/96

Reviewer [signature] MAR 21 1996

********** Units of Measurement: ug/g (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL (EX)	%SOLI	SAM. WT.	DIL.VOL.	DIL. (AN)	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d38	96-2615/119.3A.W - A30	30	100.563	100	0.5035	50.1298	33.3333	10699.2638	1093.70945	25855.4647	719.244267	76883.5737	13846.3723	6577.53216
02/28.d62	96-2615/119.3A.W - A30	30	100.563	100	0.5035	50.1298	33.3333	10731.4438	1086.76057	25902.0253	702.935014	76979.8122	13933.6607	6599.46488
02/28.d66	96-2615/119.3A.W - A30	50	100.563	100	0.5035	50.1298	20	10868.3096	1058.41195	26725.2312	691.636799	73310.7835	14183.76	6558.94818
02/27.d39	DUP96-2615/119.3A.W - A	30	99.1956	100	0.5096	50.0405	33.3333	10406.5158	1075.63788	25934.2051	731.439909	76911.1439	14227.8296	6558.96475
02/27.d40	MS96-2615/119.3A.W - A3	30	93.6703	100	0.5423	50.2551	33.3333	8173.37941	1167.68451	26398.5367	722.419959	81769.5761	32617.4948	8675.31167
02/28.d63	MS96-2615/119.3A.W - A3	30	93.6703	100	0.5423	50.2551	33.3333	8173.37004	1164.0501	26403.0329	704.364073	81516.8537	32563.8217	8695.41332
02/28.d67	MS96-2615/119.3A.W - A3	50	93.6703	100	0.5423	50.2551	20	8350.45373	1133.84143	27138.7194	647.006943	75376.5786	33254.6401	8742.37024
02/27.d41	96-2616/119.3B.W - A33	30	97.2808	100	0.5196	50.0275	33.3333	11193.9063	1039.07561	24291.7922	1353.66223	72696.0882	13955.9998	6450.93258
02/27.d42	DUP96-2616/119.3B.W - A	30	93.685	100	0.5412	50.1611	33.3333	14694.7669	1041.66433	24567.8501	1348.33267	73195.4966	13324.6244	6631.86459
02/27.d47	96-2605-BS - A35	25	101.216		0.5	50.1078	4	319.484005	147.270722	568.806368	0	6437.3324	18359.4977	2578.84191
02/27.d48	96-2611-BS - A36	25	101.099		0.5	50.0497	4	318.651155	144.541812	562.382599	0	6441.34607	18350.451	2569.88609
02/27.d49	96-2605/118.1AA.W - A09	30	92.5884	100	0.5461	50.0164	33.3333	8444.5671	1067.42335	25850.8536	1457.924	72487.8851	15456.9775	5937.52447
02/27.d50	DUP96-2605118.1AA.W -	30	94.1464	100	0.5381	50.1221	33.3333	8939.77888	1089.67915	25809.0229	1445.5527	72325.3673	15442.37	5958.85777

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

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Print

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst: M. O'Neill 3/4/96

Reviewer: BJ Cook MAR 21 1996

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d07	96-2605-BLK - A07	100	1.0	0.0	0.3	0.0	0.0	1.2	0.3	0.6
02/27.d08	96-2605-BS - A08	100	10.0	2.7	1.6	6.5	0.0	59.5	207.5	24.4
02/27.d09	96-2605/118.1AA.W - A09	25	40.0	89.8	11.7	275.6	15.7	781.6	162.4	64.6
02/27.d10	DUP96-2605118.1AA.W - A1	25	40.0	93.2	11.8	270.1	15.6	766.3	161.5	63.4
02/27.d11	96-2606/118.1AB.W - A11	30	33.3	93.2	10.8	254.9	26.6	715.9	242.5	59.1
02/27.d12	DUP96-2606/118.1AB.W - A	30	33.3	100.3	11.1	260.3	27.2	731.4	288.5	60.4
02/27.d13	96-2607/118.2A.W - A13	30	33.3	74.5	11.5	284.0	2.0	789.7	173.8	65.2
02/27.d14	DUP96-2607/118.2A.W - A14	30	33.3	71.7	11.4	285.5	2.1	792.7	173.1	65.3
02/27.d15	96-2608/118.2B.W - A15	30	33.3	82.7	11.5	284.0	4.9	794.5	168.8	65.6
02/28.d60	96-2608/118.2B.W - A15	50	20.0	84.7	11.1	292.1	4.5	749.7	173.4	65.4
02/27.d20	DUP96-2608/118.2B.W - A16	30	33.3	79.7	12.2	285.4	4.9	798.4	166.7	66.0
02/27.d21	MS96-2608/118.2B.W - A17	30	33.3	69.8	13.5	299.8	5.0	876.9	367.9	91.9
02/28.d61	MS96-2608/118.2B.W - A17	50	20.0	71.7	13.1	307.9	4.4	807.8	375.5	92.4
02/27.d22	96-2609/118.3A.W - A18	30	33.3	134.5	11.2	275.3	4.2	761.9	146.9	68.0
02/27.d23	DUP96-2609/118.3A.W - A19	30	33.3	141.6	11.1	279.4	4.3	772.0	149.6	69.6
02/27.d24	96-2611-BLK - A20	100	1.0	0.0	0.3	0.0	0.0	1.2	0.2	0.6
02/27.d25	96-2611-BS - A21	100	10.0	2.6	1.6	6.4	0.0	59.2	205.7	24.2
02/27.d26	96-2611/119.1A.W - A22	30	33.3	109.4	11.3	258.4	0.0	817.3	135.6	63.6
02/27.d27	DUP96-2611/119.1A.W - A23	30	33.3	123.1	11.7	270.0	0.0	850.1	141.4	66.5
02/27.d28	96-2612/119.1B.W - A24	30	33.3	111.9	10.3	226.9	0.0	735.6	333.4	60.5
02/27.d29	DUP96-2612/119.1B.W - A25	30	33.3	106.7	10.2	222.8	0.0	725.1	310.5	59.8
02/27.d34	96-2613/119.2A.W - A26	30	33.3	129.3	11.3	268.0	4.3	813.0	123.8	67.1
02/27.d35	DUP96-2613/119.2A.W - A27	30	33.3	141.6	11.3	269.1	4.4	813.5	122.0	67.7
02/27.d36	96-2614/119.2B.W - A28	30	33.3	111.0	11.3	261.8	2.1	807.7	173.1	69.0
02/27.d37	DUP96-2614/119.2B.W - A29	30	33.3	112.0	11.2	256.2	2.0	791.0	167.3	67.6

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst.... M. O'Neill 3/9/96

Reviewer.... [signature] MAR 21 1996

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d38	96-2615/119.3A.W - A30	30	33.3	106.4	10.9	257.1	7.2	764.5	137.7	65.4
02/28.d62	96-2615/119.3A.W - A30	30	33.3	106.7	10.8	257.6	7.0	765.5	138.6	65.6
02/28.d66	96-2615/119.3A.W - A30	50	20.0	108.1	10.5	265.8	6.9	729.0	141.0	65.2
02/27.d39	DUP96-2615/119.3A.W - A31	30	33.3	104.9	10.8	261.4	7.4	775.3	143.4	66.1
02/27.d40	MS96-2615/119.3A.W - A32	30	33.3	87.3	12.5	281.8	7.7	873.0	348.2	92.6
02/28.d63	MS96-2615/119.3A.W - A32	30	33.3	87.3	12.4	281.9	7.5	870.3	347.6	92.8
02/28.d67	MS96-2615/119.3A.W - A32	50	20.0	89.1	12.1	289.7	6.9	804.7	355.0	93.3
02/27.d41	96-2616/119.3B.W - A33	30	33.3	115.1	10.7	249.7	13.9	747.3	143.5	66.3
02/27.d42	DUP96-2616/119.3B.W - A34	30	33.3	156.9	11.1	262.2	14.4	781.3	142.2	70.8
02/27.d47	96-2605-BS - A35	25	4.0	3.2	1.5	5.6	0.0	63.6	181.4	25.5
02/27.d48	96-2611-BS - A36	25	4.0	3.2	1.4	5.6	0.0	63.7	181.5	25.4
02/27.d49	96-2605/118.1AA.W - A09	30	33.3	91.2	11.5	279.2	15.7	782.9	166.9	64.1
02/27.d50	DUP96-2605118.1AA.W - A1	30	33.3	95.0	11.6	274.1	15.4	768.2	164.0	63.3

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neil 3/4/96 Reviewer RJ Cook MAR 21 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d01	DDI - A01	100	1	0.00	0.00	0.00	0.00	1.05	0.00	0.00
02/27.d02	A960123V1/LO - A04	10	2	1.20	1.17	4.80	1.23	4.84	4.94	4.84
02/27.d03	A960123V2/MID - A04	30	2	3.93	3.74	15.74	3.92	15.54	15.83	15.66
02/27.d04	A960123V3/HI - A04	50	2	6.47	6.25	26.12	6.48	26.08	26.42	26.15
02/27.d05	A9602271B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/27.d06	DILUTION BLANK - A06	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/27.d07	96-2605-BLK - A07	100	1	0.00	0.34	0.00	0.00	1.19	0.25	0.59
02/27.d08	96-2605-BS - A08	100	10	0.27	0.16	0.65	0.00	5.95	20.75	2.44
02/27.d09	96-2605/118.1AA.W - A	25	10	2.24	0.29	6.89	0.39	19.54	4.06	1.62
02/27.d10	DUP96-2605118.1AA.W	25	10	2.33	0.29	6.75	0.39	19.16	4.04	1.59
02/27.d11	96-2606/118.1AB.W - A1	30	10	2.80	0.32	7.65	0.80	21.48	7.27	1.77
02/27.d12	DUP96-2606/118.1AB.W	30	10	3.01	0.33	7.81	0.82	21.94	8.65	1.81
02/27.d13	96-2607/118.2A.W - A13	30	10	2.24	0.34	8.52	0.06	23.69	5.21	1.96
02/27.d14	DUP96-2607/118.2A.W -	30	10	2.15	0.34	8.57	0.06	23.78	5.19	1.96
02/27.d15	96-2608/118.2B.W - A15	30	10	2.48	0.35	8.52	0.15	23.83	5.06	1.97
02/27.d16	A960123V1/LO - A04	10	2	1.21	1.17	4.87	1.23	4.87	4.97	4.87
02/27.d17	A960123V2/MID - A04	30	2	3.86	3.72	15.71	3.82	15.66	15.75	15.60
02/27.d18	A960123V3/HI - A04	50	2	6.43	6.21	26.09	6.46	26.05	26.28	26.05
02/27.d19	A9602271B2 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.14	0.00
02/27.d20	DUP96-2608/118.2B.W -	30	10	2.39	0.36	8.56	0.15	23.95	5.00	1.98
02/27.d21	MS96-2608/118.2B.W -	30	10	2.09	152 0.40	241 8.99	0.15	138 26.31	90 11.04	105 2.76
02/27.d22	96-2609/118.3A.W - A18	30	10	4.03	0.33	8.26	0.12	22.86	4.41	2.04
02/27.d23	DUP96-2609/118.3A.W -	30	10	4.25	0.33	8.38	0.13	23.16	4.49	2.09
02/27.d24	96-2611-BLK - A20	100	10	0.00	0.34	0.00	0.00	1.18	0.19	0.62
02/27.d25	96-2611-BS - A21	100	10	0.26	0.16	0.64	0.00	5.92	20.57	2.42

SAMPLES ANALYZED ON: 02/27/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst.....M. O'Neill 3/4/96..... Reviewer.....[signature] MAR 21 1996.....

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d37	96-2611/119.1A.W - A22	30	10	3.28	0.34	7.75	0.00	24.52	4.07	1.91
02/27.d38	DUP96-2611/119.1A.W -	30	10	3.69	0.35	8.10	0.00	25.50	4.24	1.99
02/27.d39	96-2612/119.1B.W - A24	30	10	3.36	0.31	6.81	0.00	22.07	10.00	1.81
02/27.d40	DUP96-2612/119.1B.W -	30	10	3.20	0.31	6.68	0.00	21.75	9.32	1.79
02/27.d41	A960123V1/LO - A05	10	2	1.19	1.15	4.81	1.22	4.77	4.88	4.80
02/27.d42	A960123V2/MID - A05	30	2	3.88	3.69	15.65	3.87	15.50	15.65	15.53
02/27.d43	A960123V3/HI - A05	50	2	6.40	6.18	25.93	6.38	25.97	26.13	25.93
02/27.d44	A9602271B3 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.14	0.00
02/27.d45	96-2613/119.2A.W - A26	30	10	3.88	0.34	8.04	0.13	24.39	3.72	2.01
02/27.d46	DUP96-2613/119.2A.W -	30	10	4.25	0.34	8.07	0.13	24.40	3.66	2.03
02/27.d47	96-2614/119.2B.W - A28	30	10	3.33	0.34	7.86	0.06	24.23	5.19	2.07
02/27.d48	DUP96-2614/119.2B.W -	30	10	3.36	0.34	7.69	0.06	23.73	5.02	2.03
02/27.d49	96-2615/119.3A.W - A30	30	10	3.19	0.33	7.71	0.21	22.94	4.13	1.96
02/27.d50	DUP96-2615/119.3A.W -	30	10	3.15	0.33	7.84	0.22	23.26	4.30	1.98
02/27.d51	MS96-2615/119.3A.W -	30	10	2.62	121 0.37	379 8.45	0.23	180 26.19	96 10.45	109 2.78
02/27.d52	96-2616/119.3B.W - A33	30	10	3.45	0.32	7.49	0.42	22.42	4.30	1.99
02/27.d53	DUP96-2616/119.3B.W -	30	10	4.71	0.33	7.87	0.43	23.44	4.27	2.12
02/27.d54	A960123V1/LO - A05	10	2	1.21	1.17	4.79	1.22	4.86	4.95	4.86
02/27.d56	A960123V2/MID - A05	30	2	3.88	3.70	15.73	3.90	15.57	15.74	15.61
02/27.d57	A960123V3/HI - A05	50	2	6.46	6.22	26.08	6.25	26.09	26.32	26.07
02/27.d58	A9602271B4 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.14	0.00
02/27.d59	96-2605-BS - A35	25	1	0.79	0.36	1.40	0.00	15.90	45.35	6.37
02/27.d60	96-2611-BS - A36	25	1	0.79	0.36	1.39	0.00	15.93	45.38	6.35
02/27.d61	96-2605/118.1AA.W - A	30	10	2.74	0.35	8.38	0.47	23.49	5.01	1.92
02/27.d62	DUP96-2605118.1AA.W	30	10	2.85	0.35	8.22	0.46	23.05	4.92	1.90

SAMPLES ANALYZED ON: 02/27/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/4/96 Reviewer MAR 21 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/27.d51	A960123V1/LO - A03	10	2	1.19	1.17	4.85	1.23	4.87	4.97	4.88
02/27.d52	A960123V2/MID - A03	30	2	3.87	3.70	15.78	3.91	15.54	15.79	15.63
02/27.d53	A960123V3/HI - A03	50	2	6.38	6.25	26.00	6.42	26.21	26.39	26.14
02/27.d54	A9602271B5 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.15	0.00
02/27.d56	A960123V1/LO - A02	10	2	1.20	1.16	4.78	1.22	4.80	4.94	4.84
02/27.d57	A960123V2/MID - A02	30	2	3.88	3.70	15.68	3.86	15.64	15.74	15.58
02/27.d58	A960123V3/HI - A02	50	2	6.45	6.20	25.97	6.34	25.98	26.25	26.01
02/27.d59	A9602281B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.16
02/27.d60	96-2608/118.2B.W - A15	50	10	4.24	0.56	14.61	0.23	37.49	8.67	3.27
02/27.d61	MS96-2608/118.2B.W -	50	10	3.58	192 0.66	240 15.39	0.22	40.39	92 18.77	109 4.62
02/27.d62	96-2615/119.3A.W - A30	30	10	3.20	0.32	7.73	0.21	22.96	4.16	1.97
02/27.d63	MS96-2615/119.3A.W -	30	10	2.62	0.37	8.46	0.23	26.11	10.43	2.78
02/27.d64	A960123V1/LO - A02	10	2	1.20	1.16	4.84	1.22	4.84	4.95	4.86
02/27.d65	A960123V2/MID - A02	30	2	3.85	3.68	15.64	3.85	15.60	15.64	15.53
02/27.d66	96-2615/119.3A.W - A30	50	10	5.40	0.53	13.29	0.34	36.45	7.05	3.26
02/27.d67	MS96-2615/119.3A.W -	50	10	4.46	145 0.61	369 14.49	0.35	40.24	97 17.75	113 4.67
02/27.d68	A960123V1/LO - A02	10	2	1.18	1.15	4.75	1.22	4.76	4.85	4.77
02/27.d69	A960123V2/MID - A02	30	2	3.84	3.69	15.56	3.85	15.57	15.61	15.49
02/27.d70	A960123V3/HI - A02	50	2	6.31	6.18	25.78	6.28	26.03	26.09	25.88
02/27.d71	A9602281B2 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.00	0.00

SAMPLES ANALYZED ON: 02/27/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

1301

****REPORT GENERATION FOR SOLID SAMPLES****

This compiled data sheet may be used for report generation, DIL(EX)=EXTRACTION DILUTION&DIL(AN)=ANALYTICAL DILUTION=(100/INJ VOL) X MANUAL DILUTION (from Data Review Sheet

Divide ug/g values in this table by the product, DIL(EX)*DIL(AN), to obtain the concentrations in the analyzed solutions.

Approx. DL values (ug/g, solids) may be found by multiplying DIL(EX)*DIL(AN by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/21/96

Reviewer BJ Cole MAR 21 1996

********** Units of Measurement: ug/g (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL (EX)	%SOLI	SAM. WT.	DIL.VOL.	DIL. (AN)	F	Cl	NO2	Br	NO3	PO4	SO4	
02/29.d09	96-2605-BLK - A07	50	101.216		0.5	50.1078	2	0	41.3389424	0	0	146.967656	46.6622967	79.1490901	1
02/29.d05	96-2605-BS - A35	50	101.216				2	333.982435	142.796545	554.375214	0	6364.44184	4767.0408	2682.24424	1
02/29.d08	96-2605-BLK - A07	25	101.216				4	0	48.4279086	0	0	180.41752	72.6750111	107.979253	2
02/27.d47	96-2605-BS - A35	25	101.216				4	319.485268	147.271304	568.808616	0	6437.35784	18359.5702	2578.8521	2
02/29.d07	96-2605-BLK - A07	10	101.216				10	0	71.2453351	0	0	292.353307	157.857486	198.665753	3
02/27.d08	96-2605-BS - A08	100	101.216				10	270.569599	161.20976	658.186393	0	6026.98769	21001.6115	2473.99232	3
02/29.d12	96-2611-BLK - A20	50	101.099			50.0499	2	0	40.7274289	0	0	144.897109	33.7253121	83.103378	4
02/29.d06	96-2611-BS - A36	50	101.099				2	331.524852	139.760269	539.65433	0	6364.78864	4744.11101	2674.19998	4
02/29.d11	96-2611-BLK - A20	25	101.099				4	0	48.9462721	0	0	181.556617	0	112.032857	5
02/27.d48	96-2611-BS - A36	25	101.099				4	318.649894	144.54124	562.380374	0	6441.32059	18350.3784	2569.87592	5
02/29.d10	96-2611-BLK - A20	10	101.099				10	0	73.7434304	0	0	287.944106	0	201.31945	6
02/27.d25	96-2611-BS - A21	100	101.099				10	263.422543	164.059413	646.170215	0	5985.99091	20800.5127	2451.62042	6
	NOMINAL VALUES FOR 96-2605-BS (ug/ml):							296	109	642		5928	21736	2470	
								113%	93%	86%				105%	1
								108%							2
										103%		97%	96%		3
	NOMINAL VALUES FOR 96-2611-BS (ug/ml)							297	109	643		5935	21761	2473	
									91%						4
								107%						94%	5
										100%		96%	96%	NR 91%	6

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

NR - NOT Reported.

1302

WHC-SD-WM-DP-170, REV. 1

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst.....M. O'Neill 3/21/96..... Reviewer.....BM..... MAR 21 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/29.d01	A960123V1/LO - A05	10	2	1.18	1.16	4.78	1.23	4.80	4.76	4.83
02/29.d02	A960123V2/MID - A05	30	2	3.85	3.70	15.55	3.88	15.43	15.70	15.56
02/29.d03	A960123V3/HI - A05	50	2	6.42	6.22	25.97	6.31	26.05	26.22	26.01
02/29.d04	A9602291B1 - A01	100	1	0.00	0.07	0.22	0.00	0.24	0.00	0.21
02/29.d05	96-2605-BS - A35	50	1	1.65	0.71	2.74	0.00	31.44	23.55	13.25
02/29.d06	96-2611-BS - A36	50	1	1.64	0.69	2.67	0.00	31.48	23.46	13.23
02/29.d07	96-2605-BLK - A07	10	1	0.00	0.07	0.00	0.00	0.29	0.16	0.20
02/29.d08	96-2605-BLK - A07	25	1	0.00	0.12	0.00	0.00	0.45	0.18	0.27
02/29.d09	96-2605-BLK - A07	50	1	0.00	0.20	0.00	0.00	0.73	0.23	0.39
02/29.d10	96-2611-BLK - A20	10	1	0.00	0.07	0.00	0.00	0.28	0.00	0.20
02/29.d11	96-2611-BLK - A20	25	1	0.00	0.12	0.00	0.00	0.45	0.00	0.28
02/29.d12	96-2611-BLK - A20	50	1	0.00	0.20	0.00	0.00	0.72	0.17	0.41
02/29.d13	A960123V1/LO - A05	10	2	1.17	1.15	4.84	1.22	4.78	4.85	4.80
02/29.d14	A960123V2/MID - A05	30	2	3.85	3.70	15.64	3.83	15.65	15.64	15.54
02/29.d15	A960123V3/HI - A05	50	2	6.38	6.20	25.83	6.48	25.39	26.12	25.94
02/29.d16	A9602291B2 - A01	100	1	0.00	0.08	0.22	0.00	0.24	0.00	0.20

SAMPLES ANALYZED ON: 02/29/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/4/96 Reviewer [illegible] MAR 21 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/29.d09	96-2605-BLK - A07	50	1	0.00	0.20	0.00	0.00	0.73	0.23	0.39
02/29.d05	96-2605-BS - A35	50	1	110 1.65	93 0.71	94 2.74	0.00	31.44	23.55	103 13.25
02/29.d08	96-2605-BLK - A07	25	1	0.00	0.12	0.00	0.00	0.45	0.18	0.27
02/27.d47	96-2605-BS - A35	25	1	105 0.79	86 0.36	86 1.40	0.00	103 15.90	45.35	98 6.37
02/29.d07	96-2605-BLK - A07	10	1	0.00	0.07	0.00	0.00	0.29	0.16	0.20
02/27.d08	96-2605-BS - A08	100	10	NR 90 0.27	82 0.16	100 0.65	0.00	94 5.95	94 20.75	NR 90 2.44
02/29.d12	96-2611-BLK - A20	50	1	0.00	0.20	0.00	0.00	0.72	0.17	0.41
02/29.d06	96-2611-BS - A36	50	1	109 1.64	99 0.69	92 2.67	0.00	31.48	23.46	103 13.23
02/29.d11	96-2611-BLK - A20	25	1	0.00	0.12	0.00	0.00	0.45	0.00	0.28
02/27.d48	96-2611-BS - A36	25	1	105 0.79	86 0.36	95 1.39	0.00	103 15.93	45.38	97 6.35
02/29.d10	96-2611-BLK - A20	10	1	0.00	0.07	0.00	0.00	0.28	0.00	0.20
02/27.d25	96-2611-BS - A21	100	10	87 0.26	92 0.16	98 0.64	0.00	94 5.92	94 20.57	89 2.42

SAMPLES ANALYZED ON: 02/29/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

NR - Not reported

DIONEX METHOD PARAMETERS - 1ANIONS1.MET

Method Comment: CALIBRATED ON 02/08/96 *** FLOW RATE: 1.8 MLS/MIN***
Column ID: AG4A/AS4A-SC (10196/12484)
Analyst ID: MMO

System Parameters

System Name: ANIONS 1

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\9512081\95120811.D14

-- 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
0.90	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	5.0
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: 10:52 on Thu, 08 Feb 1996

Component # 1 FLUORIDE Retention Time 1.12
Reference Comp. CHLORIDE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 8.98228E-002
K1 = 3.06900E-008
K2 = -1.20106E-017

Level	Amount	Area	Height
1	2.50000E-001	6944317	1063771
2	5.00000E-001	14575896	2171652
3	1.25000E+000	35991444	5637021
4	2.50000E+000	78435806	11585285
5	5.00000E+000	174998636	24384380
6	7.50000E+000	268671392	34650432

Component # 2 CHLORIDE Retention Time 1.75
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 5.73881E-002
K1 = 5.19304E-008
K2 = -5.23536E-017

Level	Amount	Area	Height
1	2.50000E-001	4515184	621573
2	5.00000E-001	9297523	1260820
3	1.25000E+000	22118489	3101443
4	2.50000E+000	48400258	7023323
5	5.00000E+000	108252330	15740463
6	7.50000E+000	173148141	23036914

Component # 3 NITRITE Retention Time 2.15
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.72228E-001
K1 = 7.07111E-008
K2 = -1.33003E-017

Level	Amount	Area	Height
1	5.00000E-001	5752483	695278
2	1.00000E+000	11968845	1504855
3	5.00000E+000	63030672	8061329
4	1.00000E+001	138877397	17783420
5	2.00000E+001	300186802	36660781
6	3.00000E+001	458416254	52476900

Component # 4 BROMIDE Retention Time 3.20
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 3.79981E-002
K1 = 1.23714E-007
K2 = -1.06360E-016

Level	Amount	Area	Height
1	2.50000E-001	1945367	174792
2	5.00000E-001	3952082	400146
3	1.25000E+000	9396671	901834
4	2.50000E+000	20051500	2130527
5	5.00000E+000	41995758	4482978
6	7.50000E+000	63668900	7283522

Component # 5 NITRATE Retention Time 3.57
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.42750E-001
K1 = 8.81194E-008
K2 = -4.04346E-017

Level	Amount	Area	Height
1	5.00000E-001	4932971	453048
2	1.00000E+000	10263193	915214
3	5.00000E+000	51895882	4367382
4	1.00000E+001	113891295	9579023
5	2.00000E+001	258510050	19885920
6	3.00000E+001	415929401	29945485

Component # 6 PHOSPHATE Retention Time 5.83
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.80689E-001
K1 = 1.78633E-007
K2 = -1.64244E-016

Level	Amount	Area	Height
1	5.00000E-001	2554652	153767
2	1.00000E+000	5271635	307864
3	5.00000E+000	26137505	1599636
4	1.00000E+001	57130192	3521194
5	2.00000E+001	127102595	7715480
6	3.00000E+001	205259271	11729031

Component # 7 SULFATE Retention Time 7.67
Reference Comp. SULFATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.07918E-001
K1 = 6.82977E-008
K2 = -2.44238E-017

Level	Amount	Area	Height
1	5.00000E-001	6637652	331756
2	1.00000E+000	13722522	697653
3	5.00000E+000	67438145	3468747
4	1.00000E+001	148376917	7737137
5	2.00000E+001	333735425	16737063
6	3.00000E+001	538685075	26628359

Timed Events File: C:\DX\METHOD\3500.TE

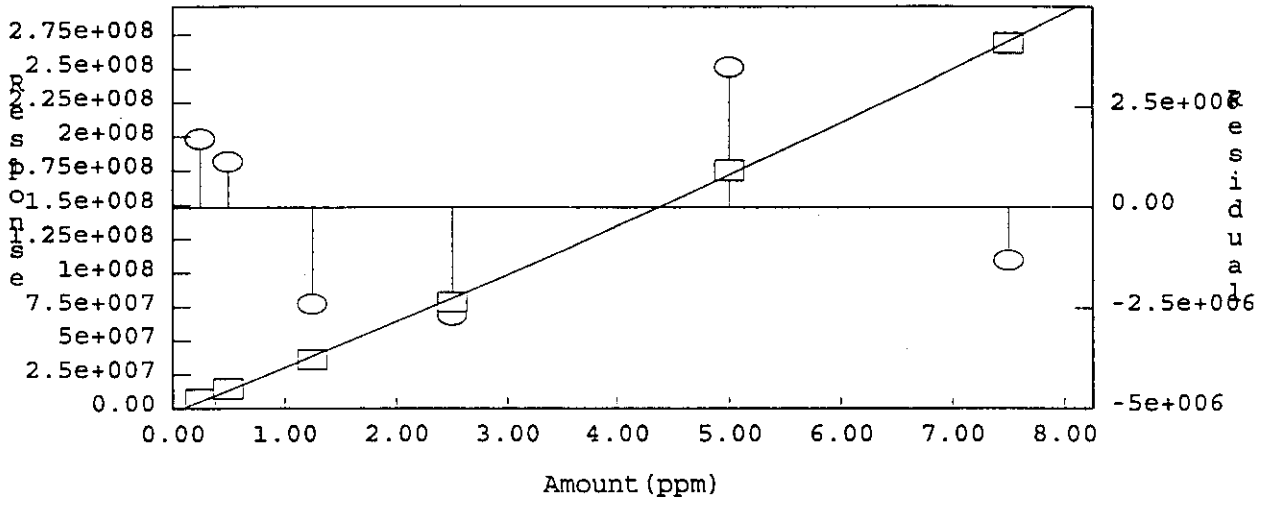
Step	Time	Description
Init		PED AutoOffset Off
Init		PED Cell ON
Init		PED Recorder Mark OFF
Init		PED Recorder Range = 0.100 uS
Init		ACI Autosmp OFF
Init		ACI RLY 2 OFF
Init		ACI TTL 1 OFF
Init		ACI TTL 2 OFF
Init		ACI Regen ON
Init		GPM Start
Init		GPM Hold Gradient Clock
Init		GPM Reset ON
1	0.0	PED AutoOffset ON
1	0.0	GPM Run Gradient Clock
1	0.0	GPM Reset OFF
2	0.1	PED AutoOffset Off
2	0.1	Start Sampling

```
 Lo Pressure Limit = 0
Hi Pressure Limit = 3000
Eluent 1 -
Eluent 2 -
Eluent 3 -
Eluent 4 -
V5 Off - Off
V5 On  - On
V6 Off - Off
V6 On  - On
```

Time	Flow	%1	%2	%3	%4	V5	V6	Comment
0.0	1.8	100	0	0	0	0	0	

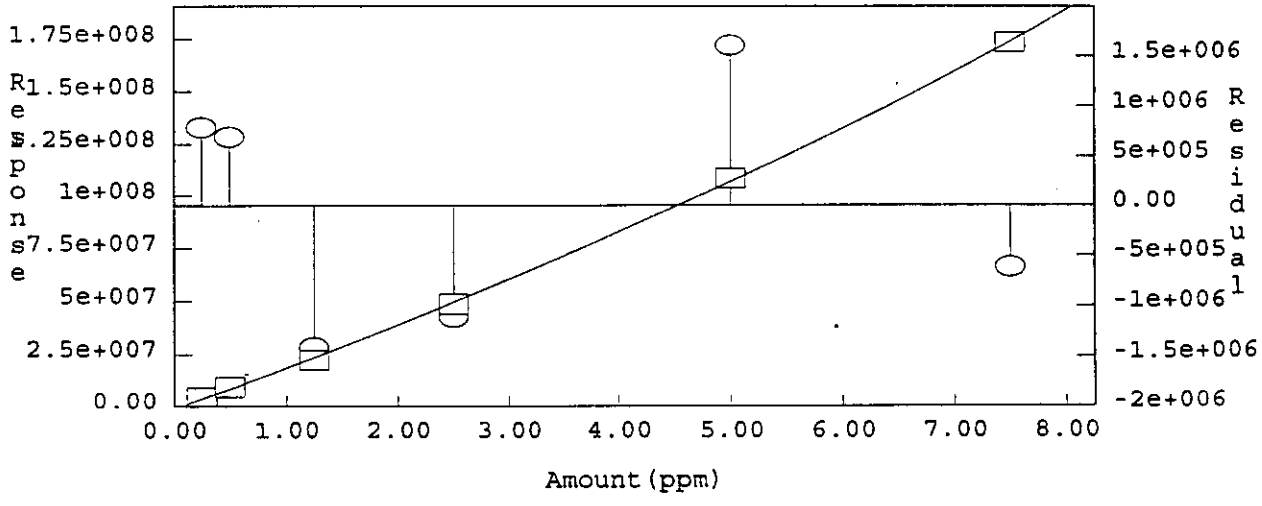
```
 PED file: C:\DX\METHOD\1ANIONS1.PCD
Temperature:   1.7  Deg. C
```

Method: 1ANIONS1.MET - Last Updated: 10:52 Component: FLUORIDE
Fit Type: Quadratic
r^2 = 0.999405 Sum(abs(Residuals)) = 1.2715e+007
Amt = (-1.201058e-017 * Resp²)+
(3.068996e-008 * Resp)+ 0.0898
Standardization: External
Calibration: Area



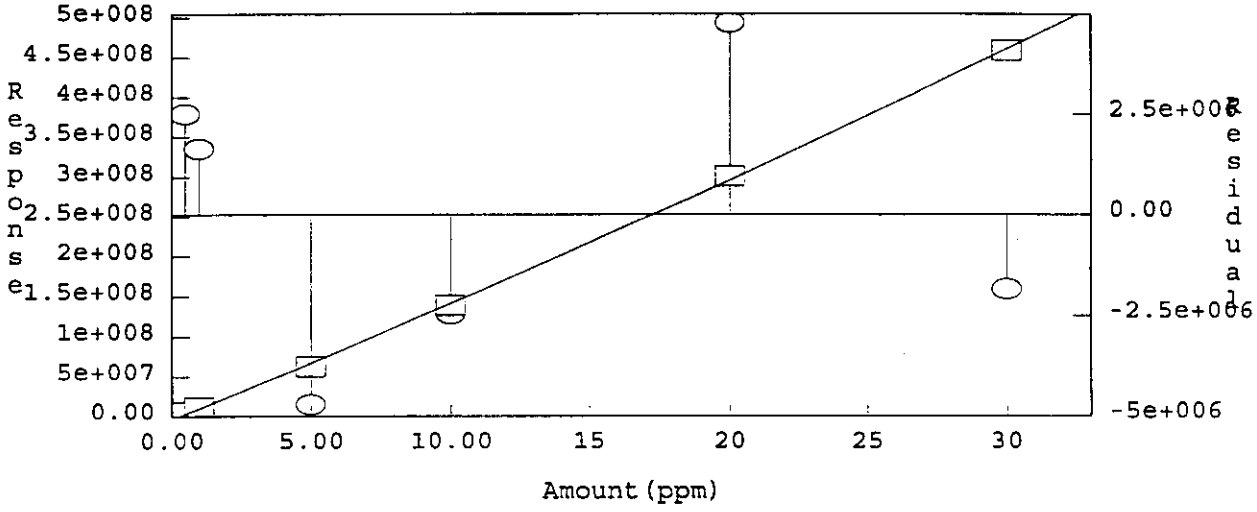
Method: C:\DX\METHOD\1ANIONS1.MET

Component: CHLORIDE
Fit Type: Quadratic
r^2 = 0.999632 Sum(abs(Residuals)) = 6.2213e+006
Amt = (-5.235360e-017 * Resp²)+
(5.193040e-008 * Resp)+ 0.0574
Standardization: External
Calibration: Area



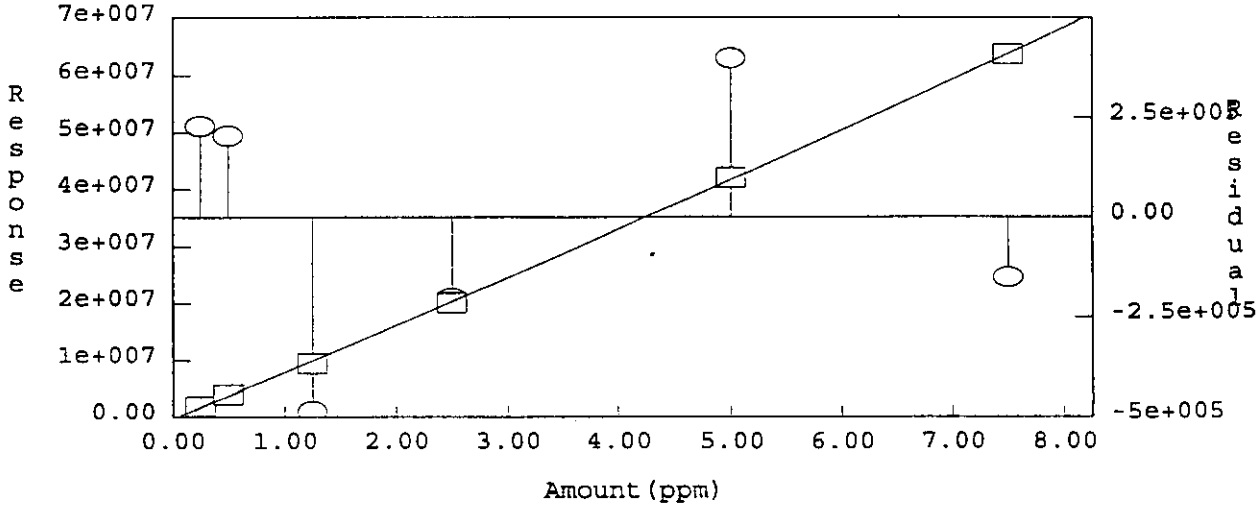
Method: C:\DX\METHOD\1ANIONS1.MET

Component: NITRITE
Fit Type: Quadratic
r^2 = 0.999595 Sum(abs(Residuals)) = 1.7951e+007
Amt = (-1.330032e-017 * Resp²)+
(7.071107e-008 * Resp)+ 0.2722
Standardization: External
Calibration: Area



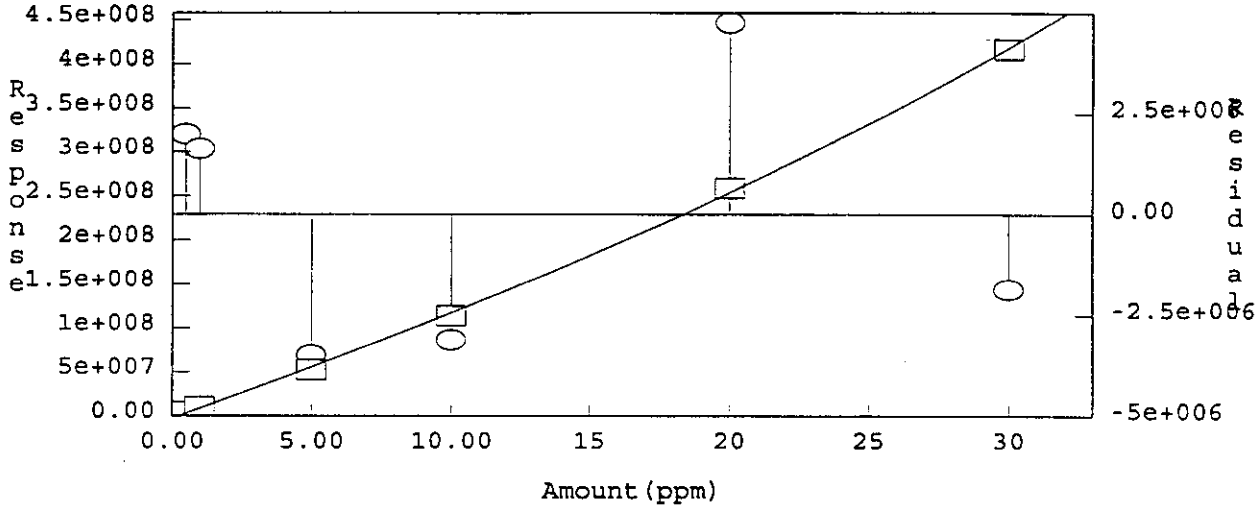
Method: C:\DX\METHOD\1ANIONS1.MET

Component: BROMIDE
Fit Type: Quadratic
r^2 = 0.999809 Sum(abs(Residuals)) = 1.6693e+006
Amt = (-1.063598e-016 * Resp²)+
(1.237141e-007 * Resp)+ 0.0380
Standardization: External
Calibration: Area



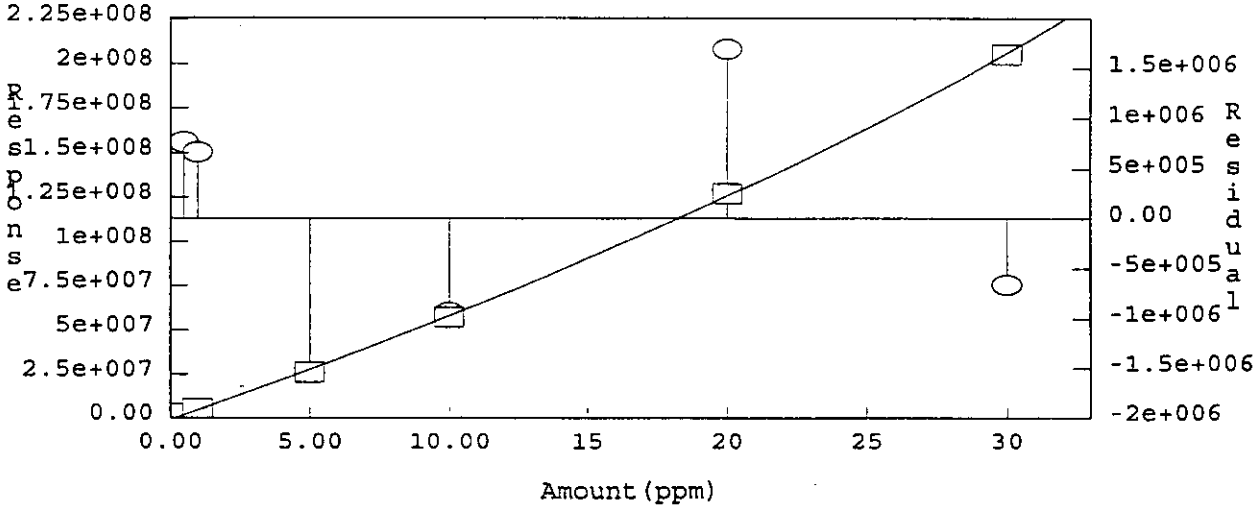
Method: C:\DX\METHOD\1ANIONS1.MET

Component: NITRATE
Fit Type: Quadratic
r^2 = 0.999549 Sum(abs(Residuals)) = 1.6869e+007
Amt = (-4.043465e-017 * Resp²)+
(8.811941e-008 * Resp)+ 0.2428
Standardization: External
Calibration: Area



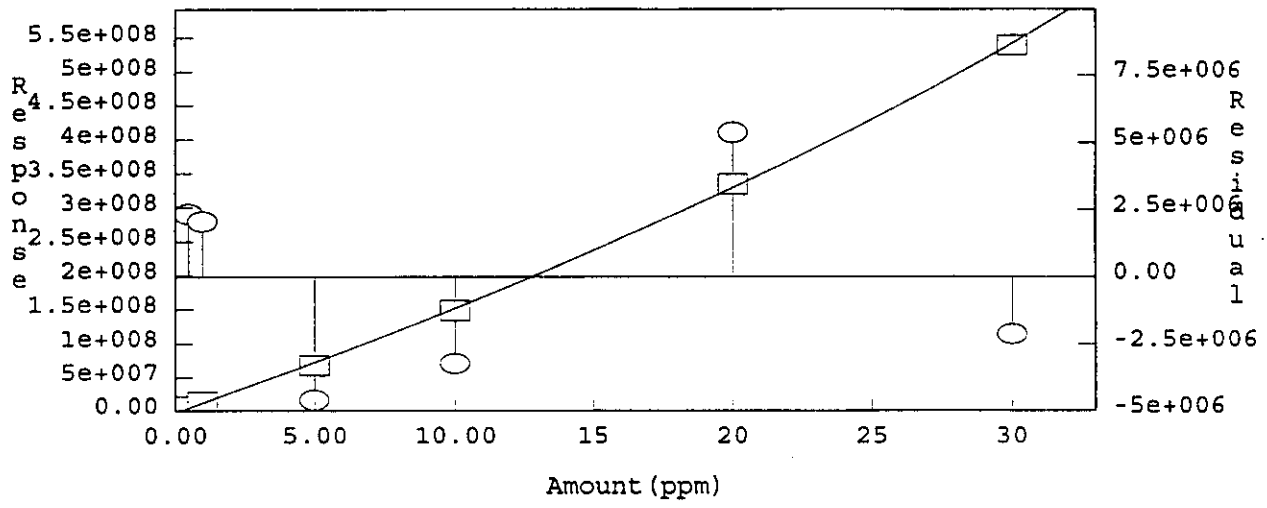
Method: C:\DX\METHOD\1ANIONS1.MET

Component: PHOSPHATE
Fit Type: Quadratic
r^2 = 0.999735 Sum(abs(Residuals)) = 6.2652e+006
Amt = (-1.642445e-016 * Resp²)+
(1.786326e-007 * Resp)+ 0.1807
Standardization: External
Calibration: Area



Method: C:\DX\METHOD\1ANIONS1.MET

Component: SULFATE
Fit Type: Quadratic
r^2 = 0.999624 Sum(abs(Residuals)) = 1.9726e+007
Amt = (-2.442378e-017 * Resp²)+
(6.829774e-008 * Resp)+ 0.2079
Standardization: External
Calibration: Area



DIONEX METHOD PARAMETERS - 1ANIONS1.MET

Method Comment: CALIBRATED ON 02/23/96 *** FLOW RATE: 1.8 MLS/MIN***
Column ID: AG4A/AS4A-SC (10196/12484)
Analyst ID: MMO

System Parameters

System Name: ANIONS 1

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\9512081\95120811.D14

-- 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
0.90	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	5.0
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: 13:36 on Fri, 23 Feb 1996

Component # 1 FLUORIDE Retention Time 1.28
Reference Comp. CHLORIDE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 4.82320E-002
K1 = 2.52257E-008
K2 = -1.07726E-017

Level	Amount	Area	Height
1	2.50000E-001	9523357	1343285
2	5.00000E-001	20322455	2732426
3	1.25000E+000	44629791	6537710
4	2.50000E+000	99867255	13969188
5	5.00000E+000	219435022	29691393
6	7.50000E+000	345543883	42130071

Component # 2 CHLORIDE Retention Time 1.92
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 4.24441E-002
K1 = 4.00140E-008
K2 = -3.33337E-017

Level	Amount	Area	Height
1	2.50000E-001	6093509	791167
2	5.00000E-001	12909890	1737522
3	1.25000E+000	28838346	3852665
4	2.50000E+000	63412074	8721712
5	5.00000E+000	142514215	20036422
6	7.50000E+000	229869269	30278847

Component # 3 NITRITE Retention Time 2.30
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 2.14742E-001
K1 = 5.72048E-008
K2 = -9.66506E-018

Level	Amount	Area	Height
1	5.00000E-001	7903947	934922
2	1.00000E+000	16517432	2025522
3	5.00000E+000	78468785	9521984
4	1.00000E+001	173184043	20996531
5	2.00000E+001	375096440	44508971
6	3.00000E+001	574493441	64016632

Component # 4 BROMIDE Retention Time 3.33
Reference Comp. CHLORIDE Window Size 8.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 4.07819E-003
K1 = 1.01219E-007
K2 = -1.19152E-016

Level	Amount	Area	Height
1	2.50000E-001	2627755	272024
2	5.00000E-001	5485202	576556
3	1.25000E+000	11809978	1142880
4	2.50000E+000	24865894	2663069
5	5.00000E+000	53383332	5756882
6	7.50000E+000	81684039	9292839

Component # 5 NITRATE Retention Time 3.70
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.88344E-001
K1 = 7.03737E-008
K2 = -2.54015E-017

Level	Amount	Area	Height
1	5.00000E-001	6743115	629834
2	1.00000E+000	14123835	1240703
3	5.00000E+000	64860830	5750922
4	1.00000E+001	144331725	12536138
5	2.00000E+001	323435782	26150379
6	3.00000E+001	519822826	39459601

Component # 6 PHOSPHATE Retention Time 5.93
Reference Comp. NITRATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.25338E-001
K1 = 1.42982E-007
K2 = -1.06147E-016

Level	Amount	Area	Height
1	5.00000E-001	3501034	216635
2	1.00000E+000	7370734	436890
3	5.00000E+000	32741032	2051261
4	1.00000E+001	71685623	4528068
5	2.00000E+001	159792028	9951222
6	3.00000E+001	257637992	15575932

Component # 7 SULFATE Retention Time 7.73
Reference Comp. SULFATE Window Size 10.00 %
Amount = K0 + K1*Area + K2*Area**2
K0 = 1.51881E-001
K1 = 5.47075E-008
K2 = -1.59473E-017

Level	Amount	Area	Height
1	5.00000E-001	9097601	464452
2	1.00000E+000	19042360	988823
3	5.00000E+000	84530747	4392539
4	1.00000E+001	186452240	9899680
5	2.00000E+001	419545717	22239624
6	3.00000E+001	677810053	34874952

Timed Events File: C:\DX\METHOD\3500.TE

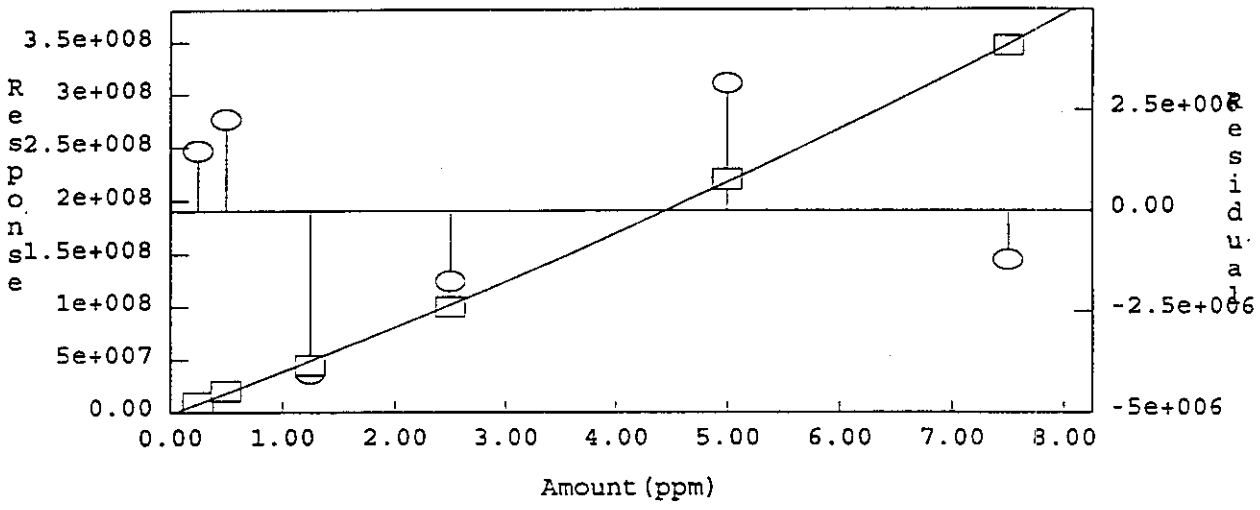
Step	Time	Description
Init		PED AutoOffset Off
Init		PED Cell ON
Init		PED Recorder Mark OFF
Init		PED Recorder Range = 0.100 uS
Init		ACI Autosmp OFF
Init		ACI RLY 2 OFF
Init		ACI TTL 1 OFF
Init		ACI TTL 2 OFF
Init		ACI Regen ON
Init		GPM Start
Init		GPM Hold Gradient Clock
Init		GPM Reset ON
1	0.0	PED AutoOffset ON
1	0.0	GPM Run Gradient Clock
1	0.0	GPM Reset OFF
2	0.1	PED AutoOffset Off
2	0.1	Start Sampling

```
 Lo Pressure Limit = 0
Hi Pressure Limit = 3000
Eluent 1 -
Eluent 2 -
Eluent 3 -
Eluent 4 -
V5 Off - Off
V5 On  - On
V6 Off - Off
V6 On  - On
```

Time	Flow	%1	%2	%3	%4	V5	V6	Comment
0.0	1.8	100	0	0	0	0	0	

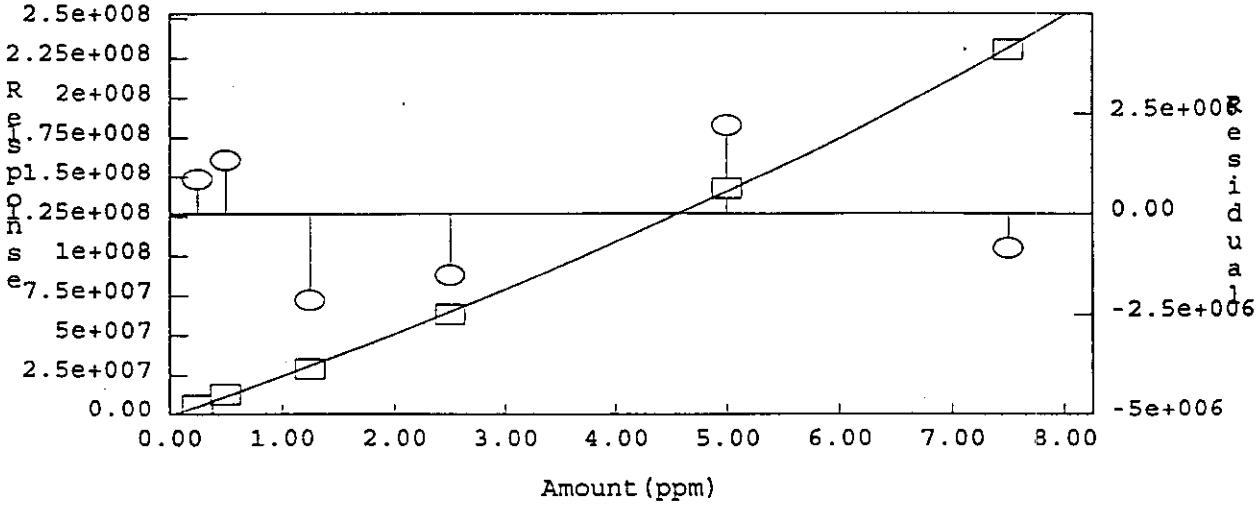
```
 PED file: C:\DX\METHOD\1ANIONS1.PCD
Temperature:   1.7  Deg. C
```

Method: 1ANIONS1.MET - Last Updated: 13:36 Component: FLUORIDE
Fit Type: Quadratic
r^2 = 0.999506 Sum(abs(Residuals)) = 1.3896e+007
Amt = (-1.077257e-017 * Resp²)+
(2.522569e-008 * Resp)+ 0.0482
Standardization: External
Calibration: Area



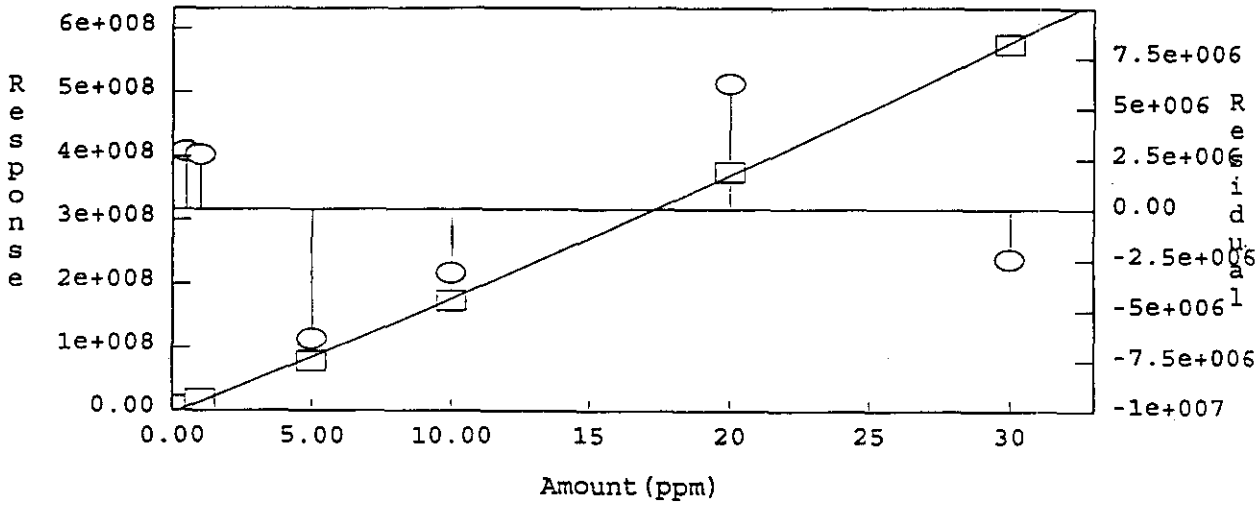
Method: C:\DX\METHOD\1ANIONS1.MET

Component: CHLORIDE
Fit Type: Quadratic
r^2 = 0.999546 Sum(abs(Residuals)) = 8.9756e+006
Amt = (-3.333368e-017 * Resp²)+
(4.001398e-008 * Resp)+ 0.0424
Standardization: External
Calibration: Area



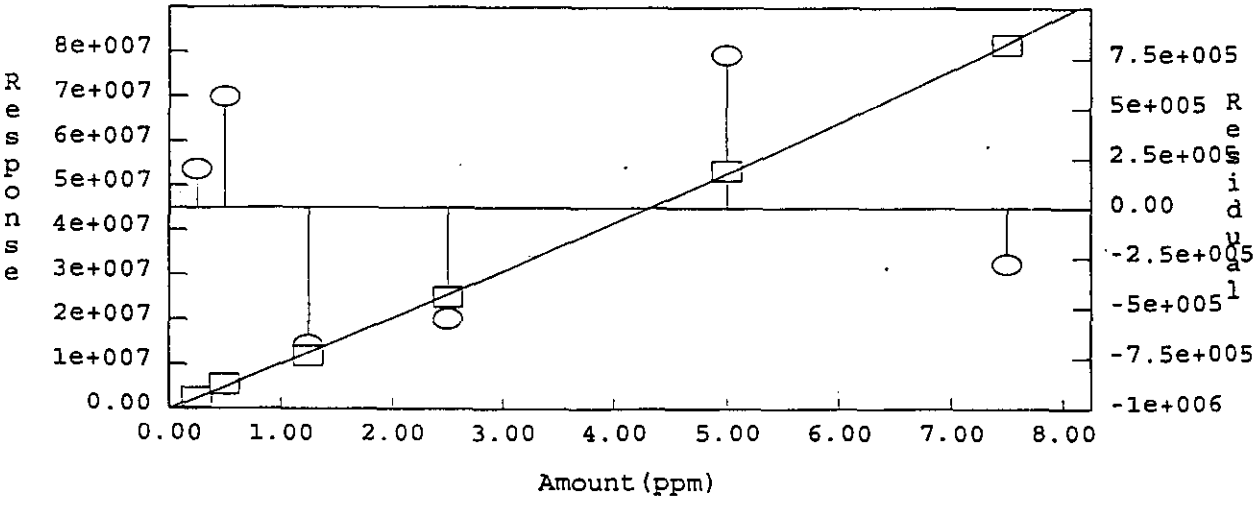
Method: C:\DX\METHOD\1ANIONS1.MET

Component: NITRITE
Fit Type: Quadratic
r^2 = 0.999540 Sum(abs(Residuals)) = 2.3854e+007
Amt = (-9.665059e-018 * Resp²)+
(5.720483e-008 * Resp)+ 0.2147
Standardization: External
Calibration: Area



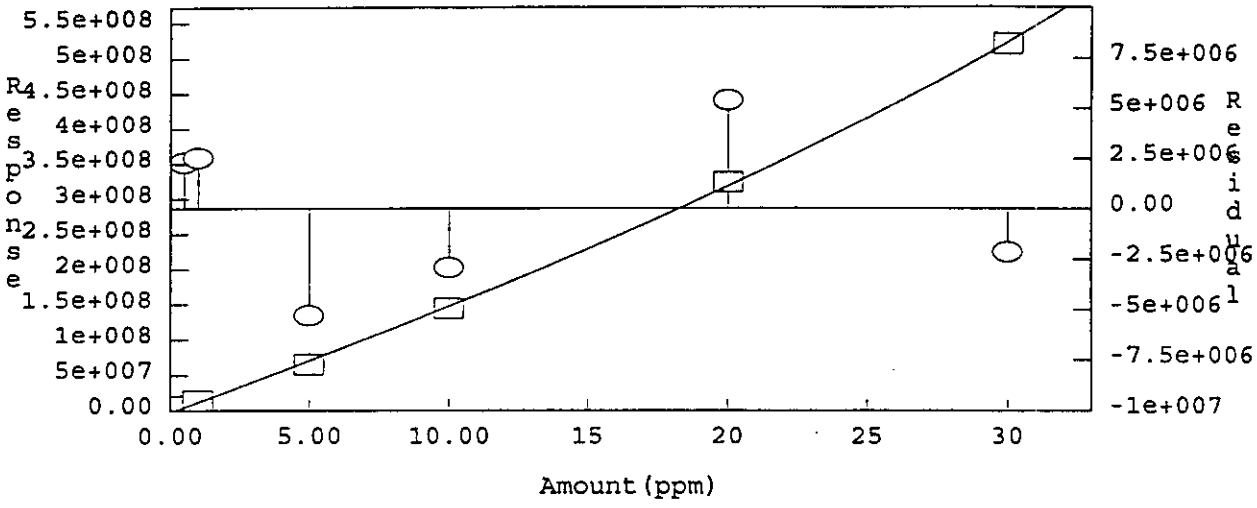
Method: C:\DX\METHOD\1ANIONS1.MET

Component: BROMIDE
Fit Type: Quadratic
r^2 = 0.999614 Sum(abs(Residuals)) = 3.0326e+006
Amt = (-1.191519e-016 * Resp²)+
(1.012187e-007 * Resp)+ 0.0041
Standardization: External
Calibration: Area



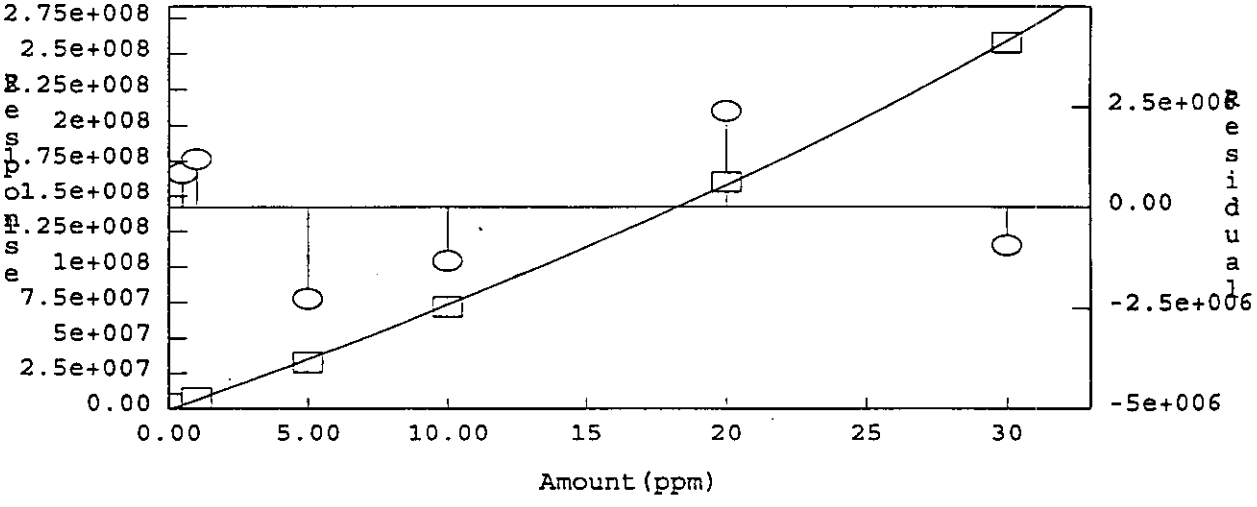
Method: C:\DX\METHOD\1ANIONS1.MET

Component: NITRATE
Fit Type: Quadratic
r^2 = 0.999549 Sum(abs(Residuals)) = 2.0596e+007
Amt = (-2.540146e-017 * Resp²)+
(7.037365e-008 * Resp)+ 0.1883
Standardization: External
Calibration: Area



Method: C:\DX\METHOD\1ANIONS1.MET

Component: PHOSPHATE
Fit Type: Quadratic
r^2 = 0.999645 Sum(abs(Residuals)) = 9.0381e+006
Amt = (-1.061472e-016 * Resp²)+
(1.429816e-007 * Resp)+ 0.1253
Standardization: External
Calibration: Area



AI-450 AS3500 Editor - 02271SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A01	100	1	ddi	1anions1	96022711	1	1	
2	A04	10	1	A960123V1/LO acc.	1anions1	96022711	2	1	
3	A04	30	1	A960123V2/MID acc.	1anions1	96022711	2	1	
4	A04	50	1	A960123V3/HI acc.	1anions1	96022711	2	1	
5	A01	100	1	A9602271B1 acc.	1anions1	96022711	1	1	
6	A06	100	1	DILUTION BLANK	1anions1	96022711	1	1	
7	A07	100	1	96-2605-BLK	1anions1	96022711	1	1	
8	A08	100	1	96-2605-BS	1anions1	96022711	10	1	
9	A09	25	1	96-2605/118.1AA.W	1anions1	96022711	10	1	
10	A10	25	1	DUP96-2605118.1AA.W	1anions1	96022711	10	1	
11	A11	30	1	96-2606/118.1AB.W	1anions1	96022711	10	1	
12	A12	30	1	DUP96-2606/118.1AB.W	1anions1	96022711	10	1	
13	A13	30	1	96-2607/118.2A.W	1anions1	96022711	10	1	
14	A14	30	1	DUP96-2607/118.2A.W	1anions1	96022711	10	1	
15	A15	30	1	96-2608/118.2B.W	1anions1	96022711	10	1	
16	A04	10	1	A960123V1/LO acc.	1anions1	96022711	2	1	
17	A04	30	1	A960123V2/MID acc.	1anions1	96022711	2	1	
18	A04	50	1	A960123V3/HI acc.	1anions1	96022711	2	1	
19	A01	100	1	A9602271B2 acc.	1anions1	96022711	1	1	
20	A16	30	1	DUP96-2608/118.2B.W	1anions1	96022711	10	1	
21	A17	30	1	MS96-2608/118.2B.W	1anions1	96022711	10	1	
22	A18	30	1	96-2609/118.3A.W	1anions1	96022711	10	1	
23	A19	30	1	DUP96-2609/118.3A.W	1anions1	96022711	10	1	
24	A20	100	1	96-2611-BLK	1anions1	96022711	10	1	
25	A21	100	1	96-2611-BS	1anions1	96022711	10	1	
26	A22	30	1	96-2611/119.1A.W	1anions1	96022711	10	1	
27	A23	30	1	DUP96-2611/119.1A.W	1anions1	96022711	10	1	
28	A24	30	1	96-2612/119.1B.W	1anions1	96022711	10	1	
29	A25	30	1	DUP96-2612/119.1B.W	1anions1	96022711	10	1	
30	A05	10	1	A960123V1/LO acc.	1anions1	96022711	2	1	
31	A05	30	1	A960123V2/MID acc.	1anions1	96022711	2	1	
32	A05	50	1	A960123V3/HI acc.	1anions1	96022711	2	1	
33	A01	100	1	A9602271B3 acc.	1anions1	96022711	1	1	
34	A26	30	1	96-2613/119.2A.W	1anions1	96022711	10	1	
35	A27	30	1	DUP96-2613/119.2A.W	1anions1	96022711	10	1	
36	A28	30	1	96-2614/119.2B.W	1anions1	96022711	10	1	
37	A29	30	1	DUP96-2614/119.2B.W	1anions1	96022711	10	1	
38	A30	30	1	96-2615/119.3A.W	1anions1	96022711	10	1	
39	A31	30	1	DUP96-2615/119.3A.W	1anions1	96022711	10	1	
40	A32	30	1	MS96-2615/119.3A.W	1anions1	96022711	10	1	
41	A33	30	1	96-2616/119.3B.W	1anions1	96022711	10	1	
42	A34	30	1	DUP96-2616/119.3B.W	1anions1	96022711	10	1	
43	A05	10	1	A960123V1/LO acc	1anions1	96022711	2	1	
44	A05	30	1	A960123V2/MID acc	1anions1	96022711	2	1	
45	A05	50	1	A960123V3/HI acc	1anions1	96022711	2	1	
46	A01	100	1	A9602271B4 acc	1anions1	96022711	1	1	

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
47	A35	25	1	96-2605-BS	1anions1	96022711	1	1	
48	A36	25	1	96-2611-BS	1anions1	96022711	1	1	
49	A09	30	1	96-2605/118.1AA.W	1anions1	96022711	10	1	
50	A10	30	1	DUP96-2605118.1AA.W	1anions1	96022711	10	1	
51	A03	10	1	A960123V1/LO acc	1anions1	96022711	2	1	
52	A03	30	1	A960123V2/MID acc	1anions1	96022711	2	1	
53	A03	50	1	A960123V3/HI acc	1anions1	96022711	2	1	
54	A01	100	1	A9602271B5 acc	1anions1	96022711	1	1	
55	A40	100	1	NO RUN	1shutdn	96022711	1	1	
56	A02	10	1	A960123V1/LO acc	1anions1	96022811	2	1	
57	A02	30	1	A960123V2/MID acc	1anions1	96022811	2	1	
58	A02	50	1	A960123V3/HI acc	1anions1	96022811	2	1	
59	A01	100	1	A9602281B1 acc.	1anions1	96022811	1	1	
60	A15	50	1	96-2608/118.2B.W	1anions1	96022811	10	1	
61	A17	50	1	MS96-2608/118.2B.W	1anions1	96022811	10	1	
62	A30	30	1	96-2615/119.3A.W	1anions1	96022811	10	1	
63	A32	30	1	MS96-2615/119.3A.W	1anions1	96022811	10	1	
64	A02	10	1	A960123V1/LO acc	1anions1	96022811	2	1	
65	A02	30	1	A960123V2/MID acc.	1anions1	96022811	2	1	
66	A30	50	1	96-2615/119.3A.W	1anions1	96022811	10	1	
67	A32	50	1	MS96-2615/119.3A.W	1anions1	96022811	10	1	
68	A02	10	1	A960123V1/LO acc	1anions1	96022811	2	1	
69	A02	30	1	A960123V2/MIDacc	1anions1	96022811	2	1	
70	A02	50	1	A960123V3/HI acc	1anions1	96022811	2	1	
71	A01	100	1	A9602281B2 acc.	1anions1	96022811	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	A01	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
2	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
3	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
5	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A06	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
7	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A08	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
10	A10	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

11	A11	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A12	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
13	A13	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
16	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
18	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
19	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
20	A16	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
21	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
22	A18	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
23	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
24	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
25	A21	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
26	A22	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
27	A23	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
28	A24	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
29	A25	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
30	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
31	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
32	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
33	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
34	A26	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
35	A27	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
36	A28	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
37	A29	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
38	A30	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
39	A31	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
40	A32	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
41	A33	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
42	A34	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
43	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
44	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
45	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
46	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
47	A35	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
48	A36	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
49	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
50	A10	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
51	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
52	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
53	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
54	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
55	A40	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
56	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

57	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
58	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
59	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
60	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
61	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
62	A30	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
63	A32	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
64	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
65	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
66	A30	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
67	A32	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
68	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
69	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
70	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
71	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

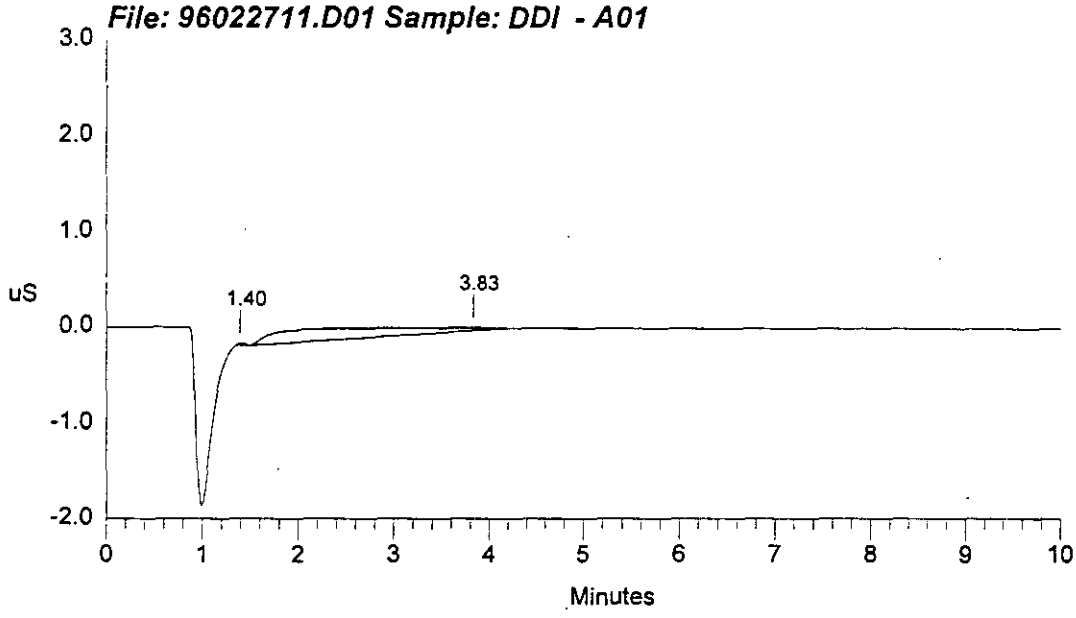
Comment:

```
==============================================================================
| Sample Name: DDI  - A01                      Date: 02/27/1996 09:30:40      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D01                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 1   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.40		0.000	23750	119899	1	
2	3.83	NITRATE	1.055	29236	12368014	1	0.00
		Totals	1.055	52986	12487913		



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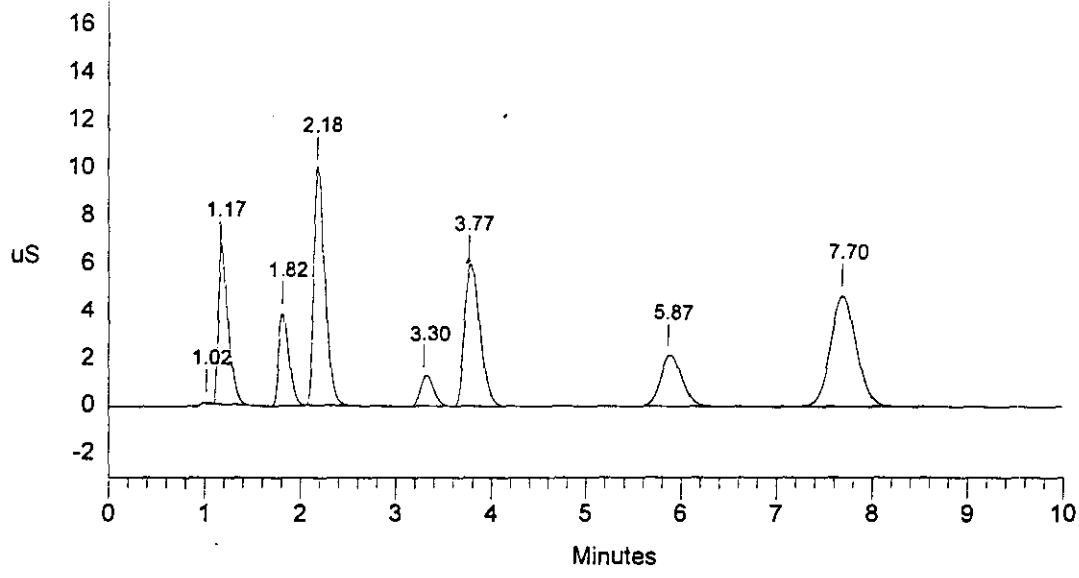
==========================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/27/1996 09:42:03   |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D02                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 2   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	47553	224029	2	
2	1.17	FLUORIDE	24.099	6304129	46790140	2	2.17
3	1.82	CHLORIDE	23.347	3882077	28803606	1	0.00
4	2.18	NITRITE	95.997	9894507	81268274	1	0.15
5	3.30	BROMIDE	24.596	1193754	12287242	1	-4.63
6	3.77	NITRATE	96.765	5813707	67730580	1	0.00
7	5.87	PHOSPHATE	98.842	2109817	34575419	1	-2.87
8	7.70	SULFATE	96.842	4669560	87989576	1	0.00
		Totals	460.488	33915103	359668866		

File: 96022711.D02 Sample: A960123V1/LO - A04



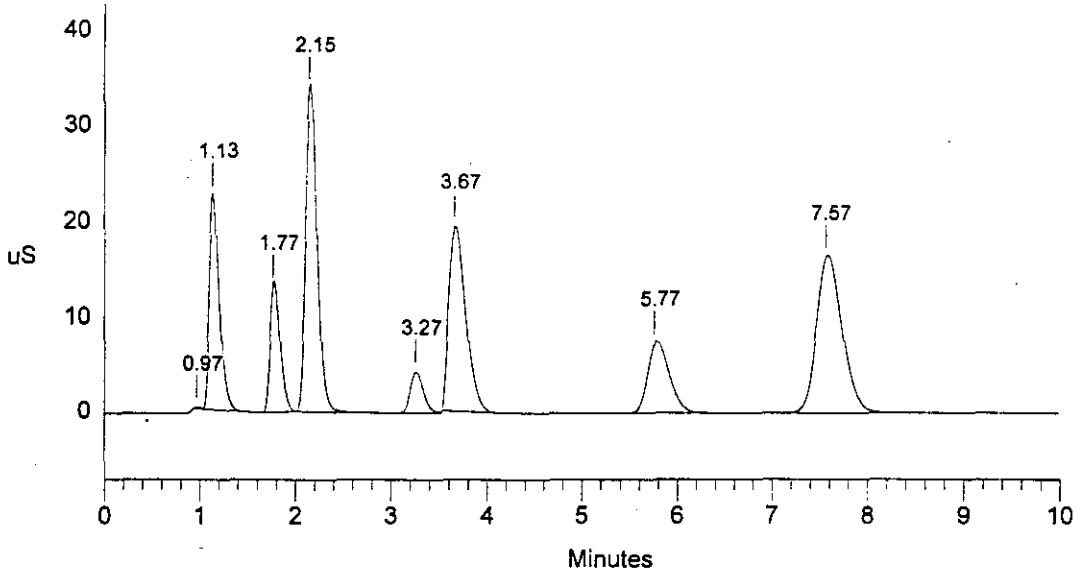
```
==================================================================================
| Sample Name: A960123V2/MID  - A04            Date: 02/27/1996 09:53:36          |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D03                              |
| Method     : c:\dx\method\1anions1.met                                          |
| ACI Address: 1  System: 1  Inject#: 3   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)                 |
==================================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	113467	552875	2	
2	1.13	FLUORIDE	26.201	22473391	165597564	2	2.06
3	1.77	CHLORIDE	24.928	13159631	100859815	1	0.00
4	2.15	NITRITE	104.954	33825727	285194987	1	1.42
5	3.27	BROMIDE	26.126	4394566	40618774	1	-2.92
6	3.67	NITRATE	103.600	19407464	238714462	1	0.00
7	5.77	PHOSPHATE	105.550	7395005	120662882	1	-1.93
8	7.57	SULFATE	104.401	16368359	311818187	1	0.00
		Totals	495.760	117137609	1264019546		

File: 96022711.D03 Sample: A960123V2/MID - A04



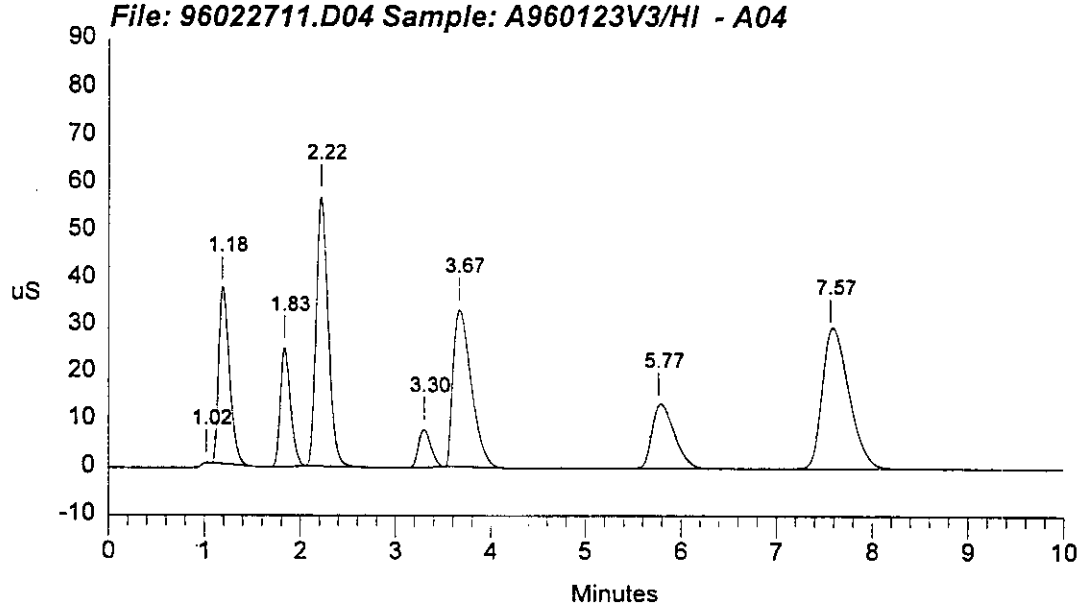
Data Reprocessed On 02/28/1996 10:00:34

Sample Name: A960123V3/HI - A04	Date: 02/27/1996 10:05:18
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D04	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 4 Vial:A04	Detector:PED-Cond.
Analyst : MO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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	89136	273030	1	
2	1.18	FLUORIDE	25.881	36814043	290666518	1	2.69
3	1.83	CHLORIDE	25.012	24909654	183153456	1	0.00
4	2.22	NITRITE	104.482	56740352	494107452	1	0.76
5	3.30	BROMIDE	25.923	7819864	69707998	1	-4.55
6	3.67	NITRATE	104.325	32873813	436803876	1	0.00
7	5.77	PHOSPHATE	105.664	13078278	219712908	1	-2.72
8	7.57	SULFATE	104.580	28796070	569758602	1	0.00
		Totals	495.868	201121209	2264183842		



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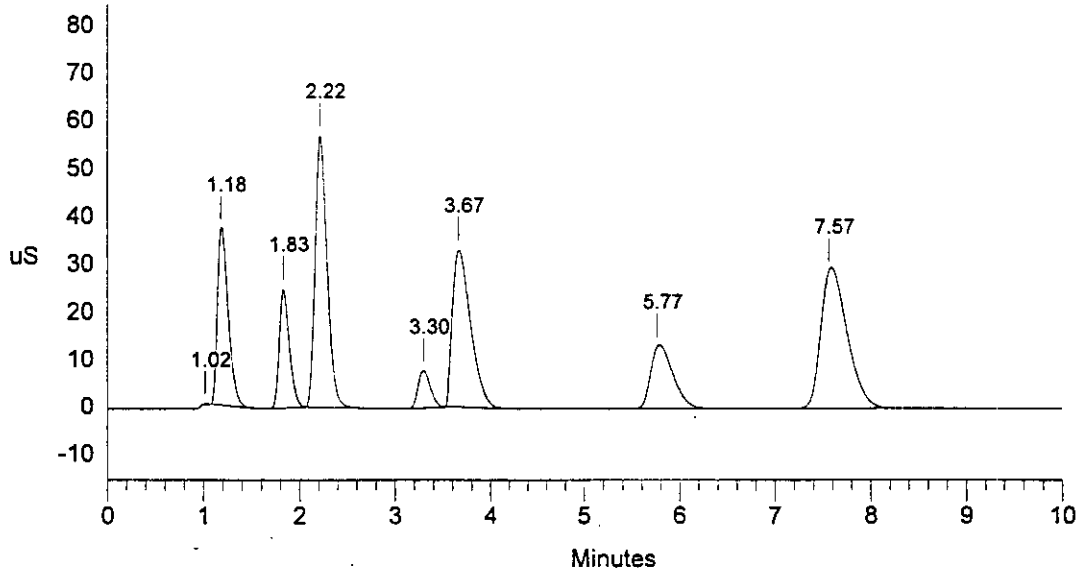
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/27/1996 10:05:18      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D04                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 4   Vial:A04      Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	2	3000	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	89136	273030	1	
2	1.18	FLUORIDE	25.881	36814043	290666518	1	2.69
3	1.83	CHLORIDE	25.012	24909654	183153456	1	0.00
4	2.22	NITRITE	104.482	56740352	494107452	1	0.76
5	3.30		0.000	7819864	69707998	1	
6	3.67	BROMIDE	85.932	32873813	436803876	1	5.00
7	5.77	PHOSPHATE	105.664	13078278	219712908	1	-1.93
8	7.57	SULFATE	104.580	28796070	569758602	1	0.00
		Totals	451.551	201121209	2264183842		

File: 96022711.D04 Sample: A960123V3/HI - A04



Data Reprocessed On 02/28/1996 10:01:40

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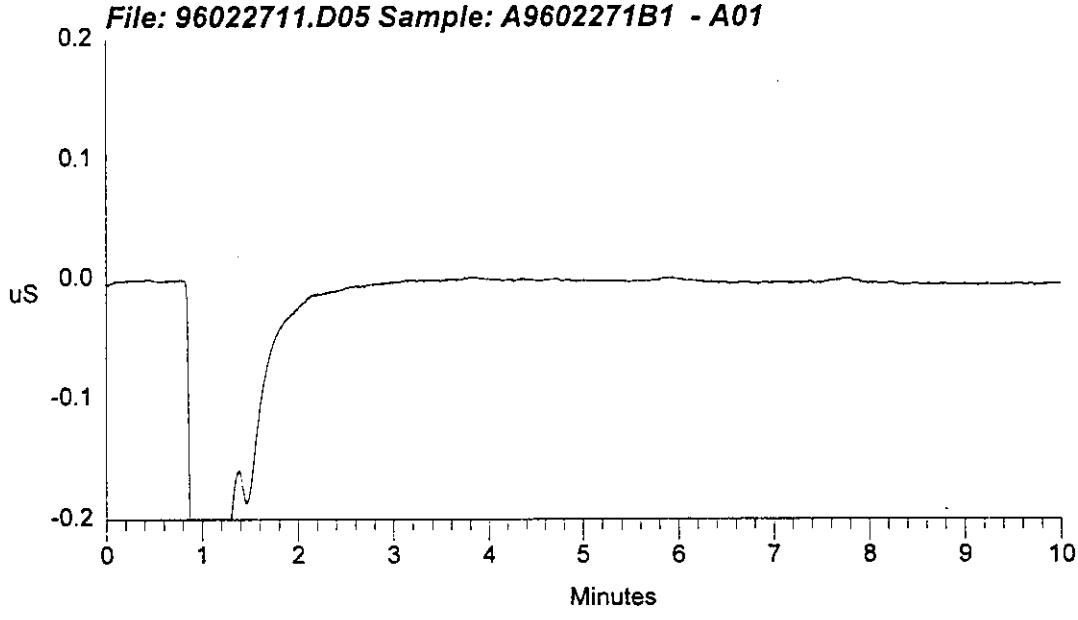
==============================================================================
| Sample Name: A9602271B1  - A01              Date: 02/27/1996 10:17:23      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D05                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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
		Totals	0.000	0	0		

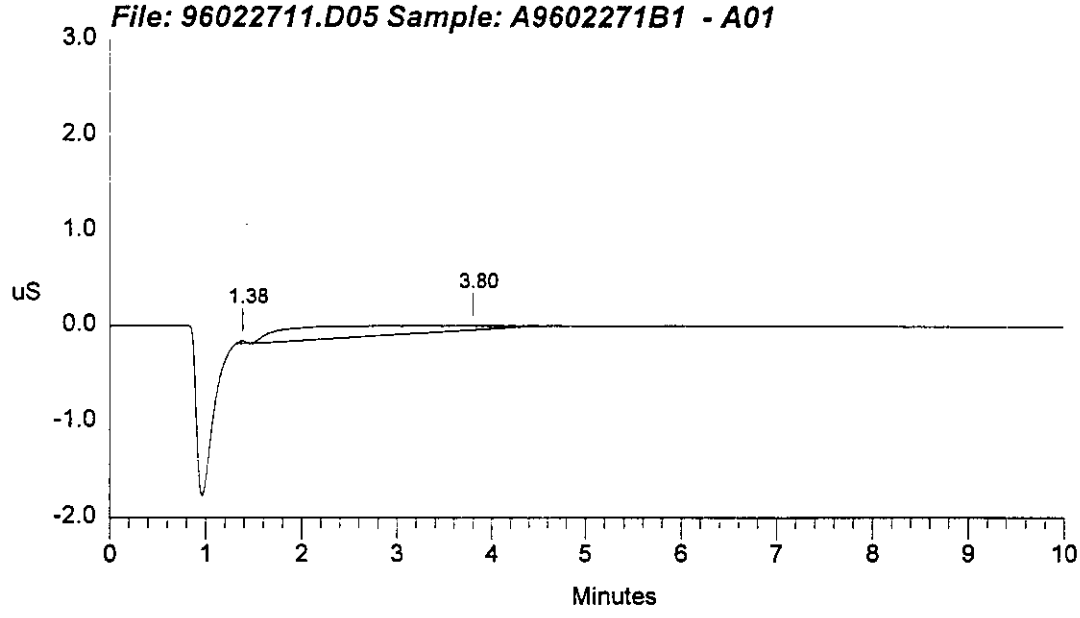


```
==========================================================================
| Sample Name: A9602271B1  - A01              Date: 02/27/1996 10:17:23   |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D05                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

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	1.38		0.000	26635	126749	1	
2	3.80	NITRATE	1.168	45395	13984462	1	0.00
		Totals	1.168	72030	14111210		



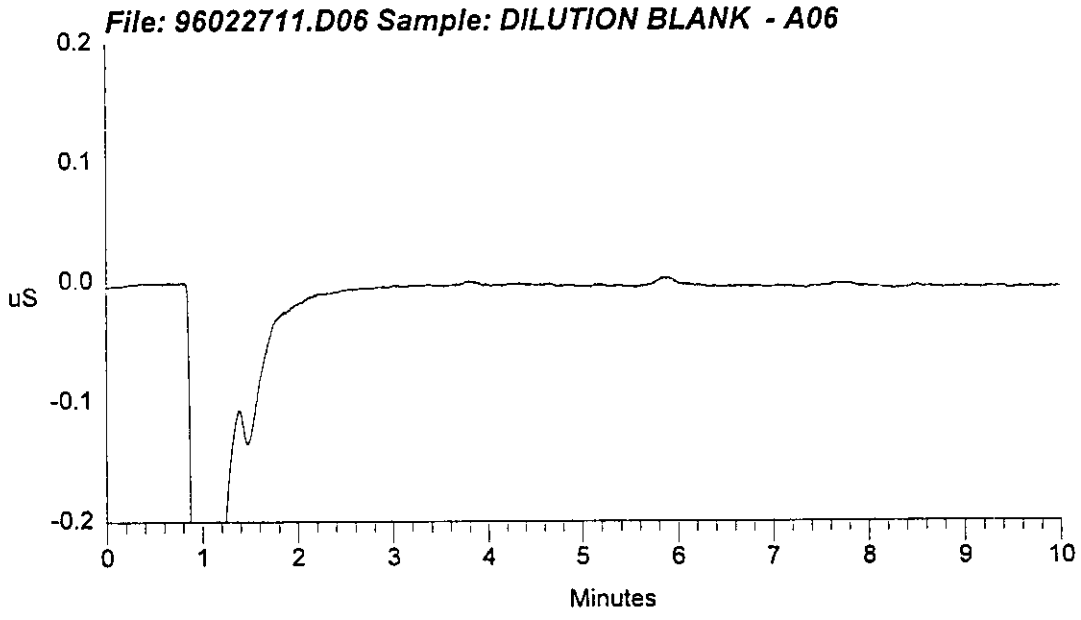
Data Reprocessed On 02/28/1996 10:02:51

Sample Name: DILUTION BLANK - A06	Date: 02/27/1996 10:33:52
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.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 (10196/12484)	

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
		Totals	0.000	0	0		

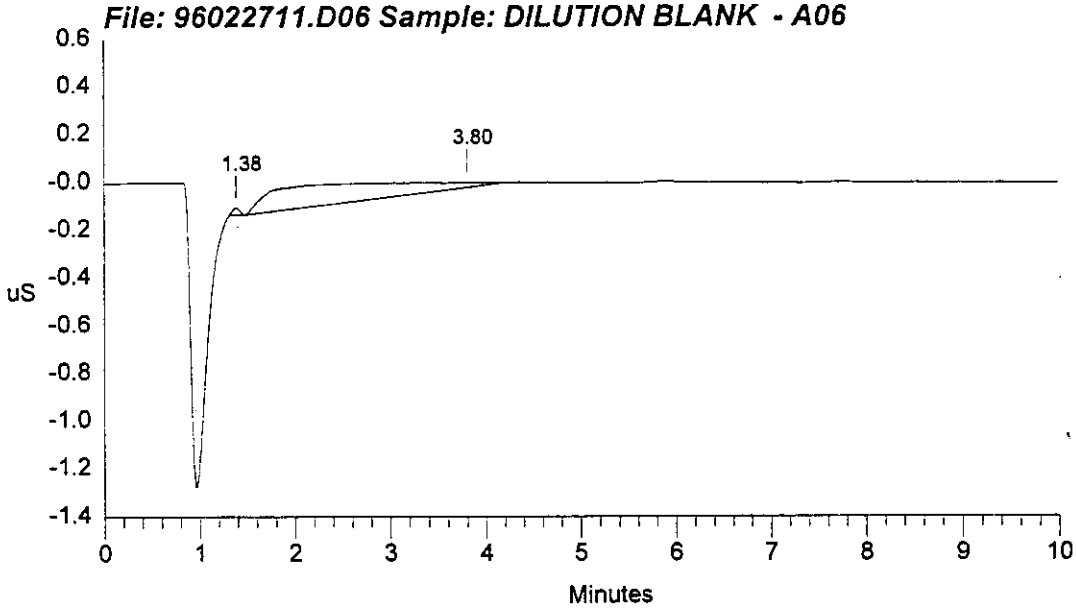


```
==============================================================================
| Sample Name: DILUTION BLANK  - A06          Date: 02/27/1996 10:33:52      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D06                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.38		0.000	27772	149366	1	
2	3.80	NITRATE	0.809	22713	8854834	1	0.00
		Totals	0.809	50485	9004200		



Data Reprocessed On 02/28/1996 10:53:33

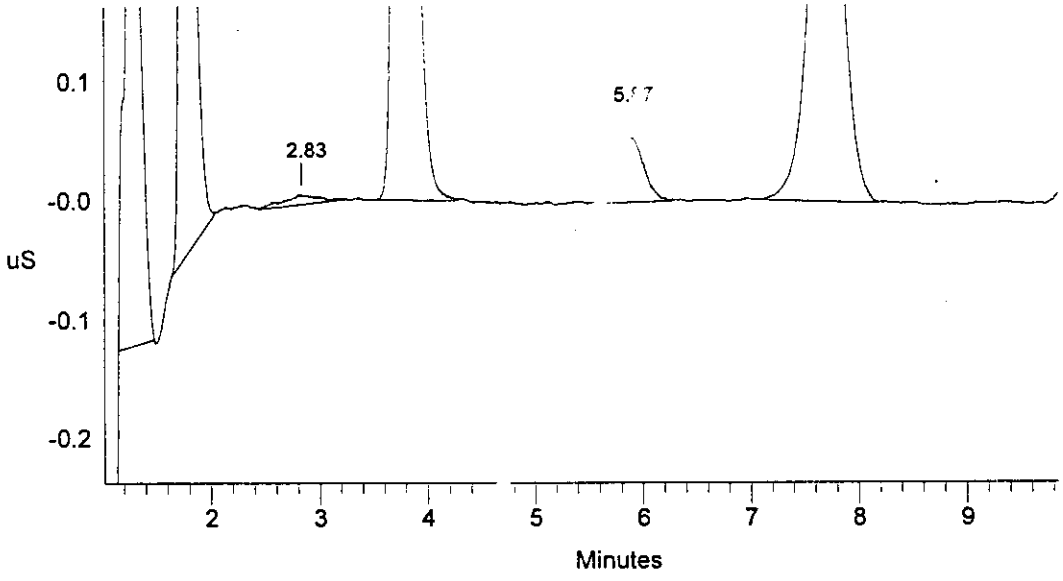
Sample Name: 96-2605-BLK - A07	Date: 02/27/1996 10:45:57
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D07	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 7 Vial:A07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	1.02	9.85		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.27		0.000	604509	5434910	1	
2	1.77	CHLORIDE	0.337	93039[illegible]	7403268	1	0.00
3	2.83		0.000	795[illegible]	190176	1	
4	3.77	NITRATE	1.194	12516[illegible]4	14365605	1	0.00
5	5.87	PHOSPHATE	0.252	52[illegible]72	883595	1	-2.87
6	7.70	SULFATE	0.591	39[illegible]665	8040786	1	0.00
		Totals	2.373	3[illegible]44988	36318340		

File: 96022711.D07 Sample: 96-2605-BLK - A07



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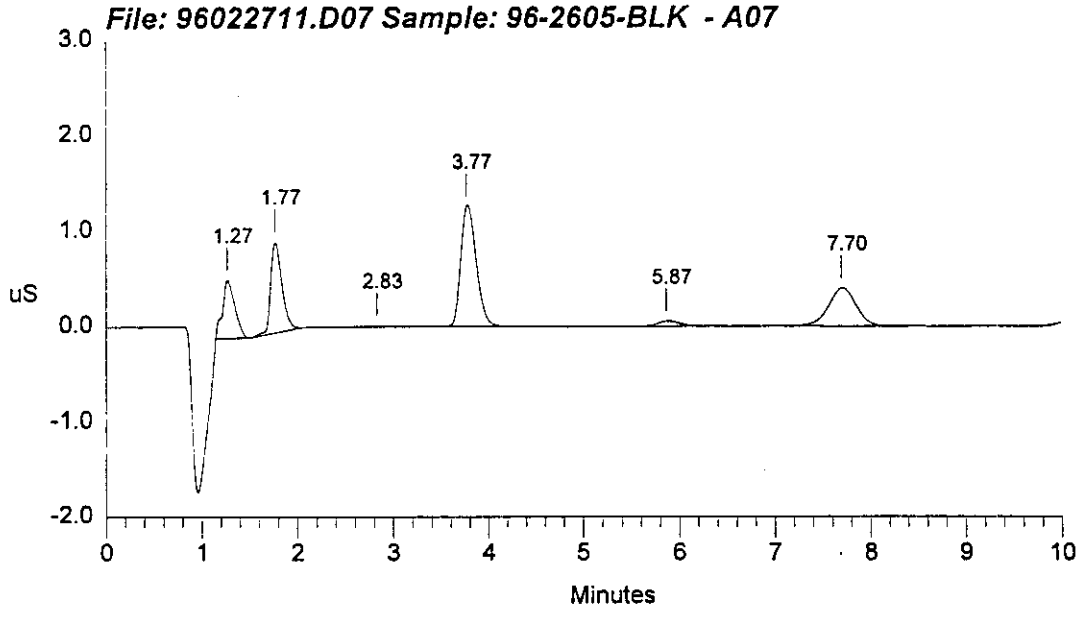
==============================================================================
| Sample Name: 96-2605-BLK  - A07              Date: 02/27/1996 10:45:57      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D07                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 7   Vial:A07        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.27		0.000	604509	5434910	1	
2	1.77	CHLORIDE	0.354	949804	7848140	1	0.00
3	2.83		0.000	7951	190176	1	
4	3.77	NITRATE	1.197	1252167	14405320	1	0.00
5	5.87	PHOSPHATE	0.251	52571	879570	1	-2.87
6	7.70	SULFATE	0.592	397695	8055002	1	0.00
		Totals	2.394	3264697	36813119		



Data Reprocessed On 02/28/1996 10:08:19

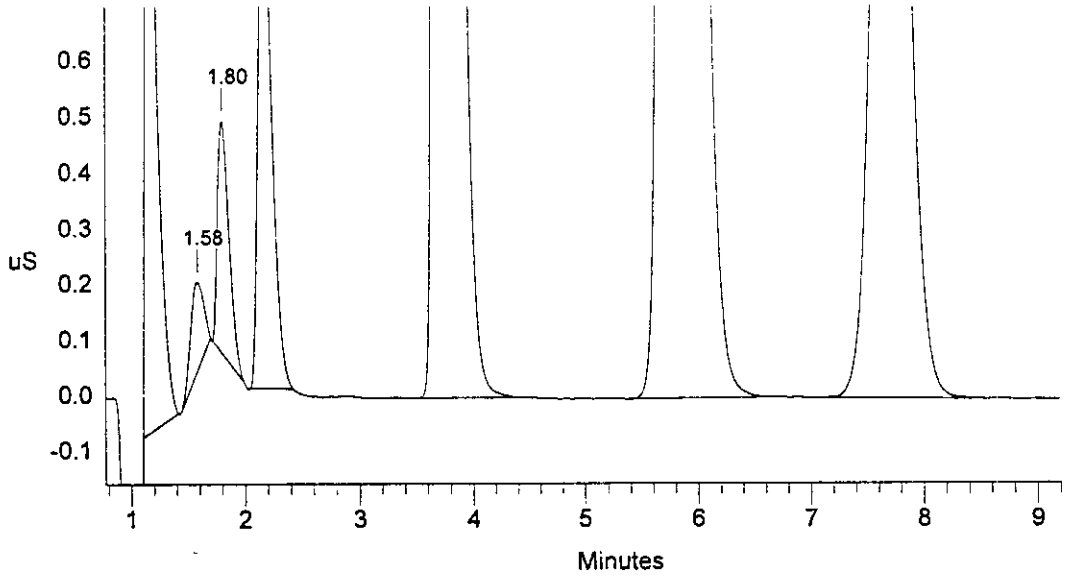
Sample Name: 96-2605-BS - A08	Date: 02/27/1996 11:02:34
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D08	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 8 Vial:A08	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	0.77	9.20		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	2.673	1159942	8717541	1	1.64
2	1.58		0.000	160301	1293415	1	
3	1.80	CHLORIDE	1.593	415272	2926848	1	0.00
4	2.17	NITRITE	6.503	921536	7623455	1	0.31
5	3.73	NITRATE	59.546	7211840	84515606	1	0.00
6	5.80	PHOSPHATE	207.493	10139188	164276884	1	-3.12
7	7.70	SULFATE	24.443	2210804	42427362	1	0.00
		Totals	302.250	22218883	311781109		

File: 96022711.D08 Sample: 96-2605-BS - A08



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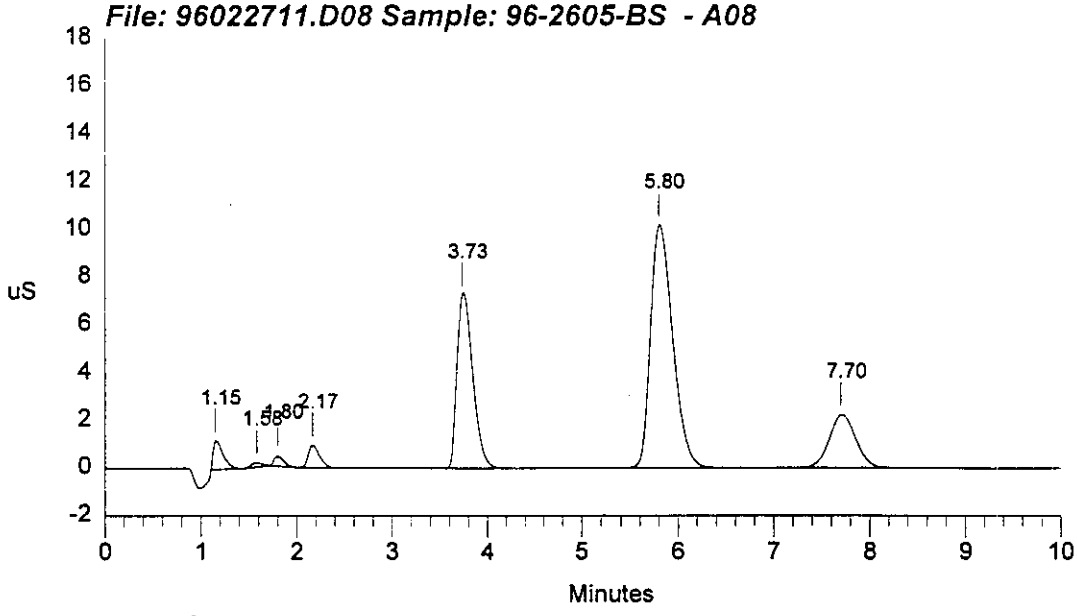
==============================================================================
| Sample Name: 96-2605-BS  - A08                Date: 02/27/1996 11:02:34     |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D08                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A08        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	2.673	1159942	8717541	1	1.64
2	1.58		0.000	160301	1293415	1	
3	1.80	CHLORIDE	1.607	416491	2962191	1	0.00
4	2.17	NITRITE	6.562	924158	7726659	1	0.31
5	3.73	NITRATE	59.599	7212312	84595942	1	0.00
6	5.80	PHOSPHATE	207.670	10140675	164440594	1	-3.12
7	7.70	SULFATE	24.458	2211114	42455360	1	0.00
		Totals	302.568	22224992	312191701		



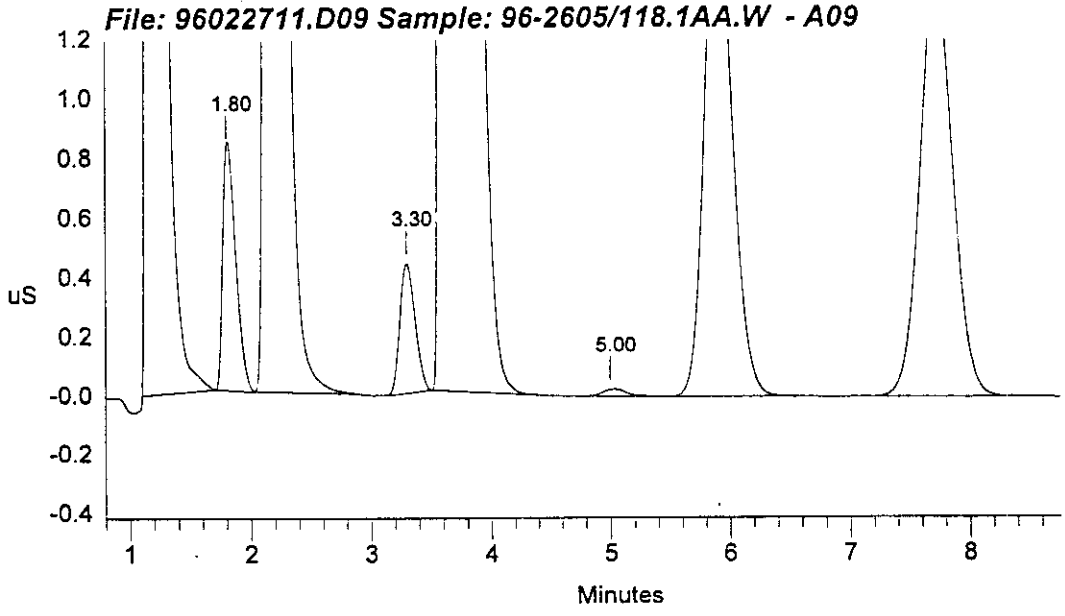
Data Reprocessed On 02/28/1996 10:10:41

Sample Name: 96-2605/118.1AA.W - A09	Date: 02/27/1996 11:14:02
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.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 (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	25	10	3000	5Hz	0.80	8.75	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	89.756	11844847	90541843	1	3.11
2	1.80	CHLORIDE	11.725	813314	6297990	1	0.00
3	2.18	NITRITE	275.648	14417903	119108384	1	1.08
4	3.30	BROMIDE	15.748	436626	3866808	1	-3.75
5	3.67	NITRATE	781.643	24158221	309596983	1	0.00
6	5.00		0.000	23807	353346	1	
7	5.90	PHOSPHATE	162.440	1765646	28112374	1	0.34
8	7.70	SULFATE	64.643	1376027	26976294	1	0.00
		Totals	1401.603	54836392	584854022		



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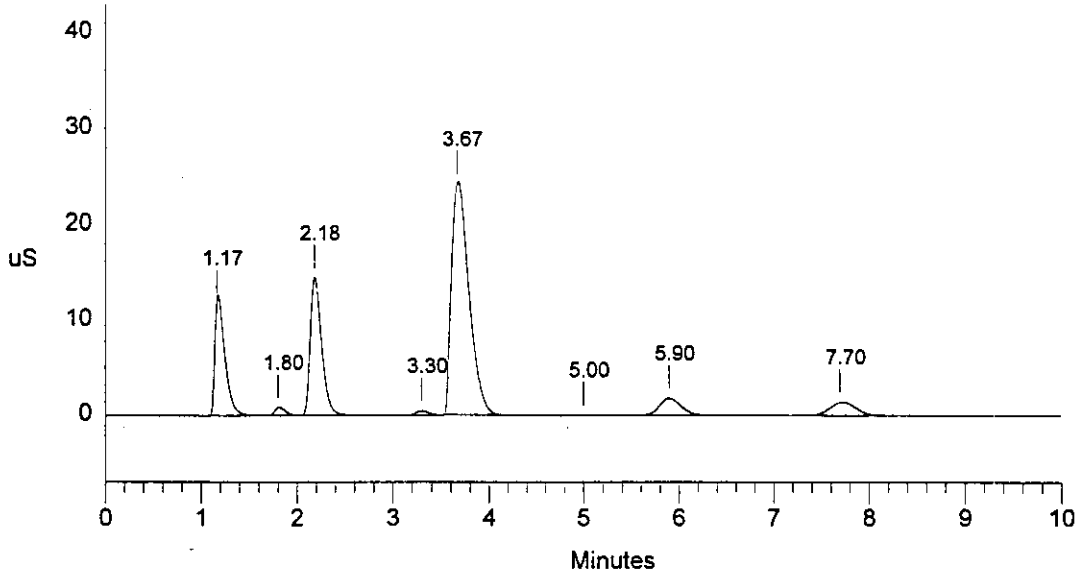
| Sample Name: 96-2605/118.1AA.W  - A09        Date: 02/27/1996 11:14:02      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D09                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 9   Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	10	3000	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	FLUORIDE	89.756	11844847	90541843	1	3.11
2	1.80	CHLORIDE	11.654	809913	6253209	1	0.00
3	2.18	NITRITE	275.127	14409805	118871068	1	1.08
4	3.30	BROMIDE	15.748	436626	3866808	1	-3.75
5	3.67	NITRATE	776.919	24105751	307437866	1	0.00
6	5.00		0.000	23807	353346	1	
7	5.90	PHOSPHATE	162.664	1766166	28153205	1	0.34
8	7.70	SULFATE	64.959	1377048	27122790	1	0.00
		Totals	1396.826	54773964	582600136		

File: 96022711.D09 Sample: 96-2605/118.1AA.W - A09



Data Reprocessed On 02/28/1996 10:12:37

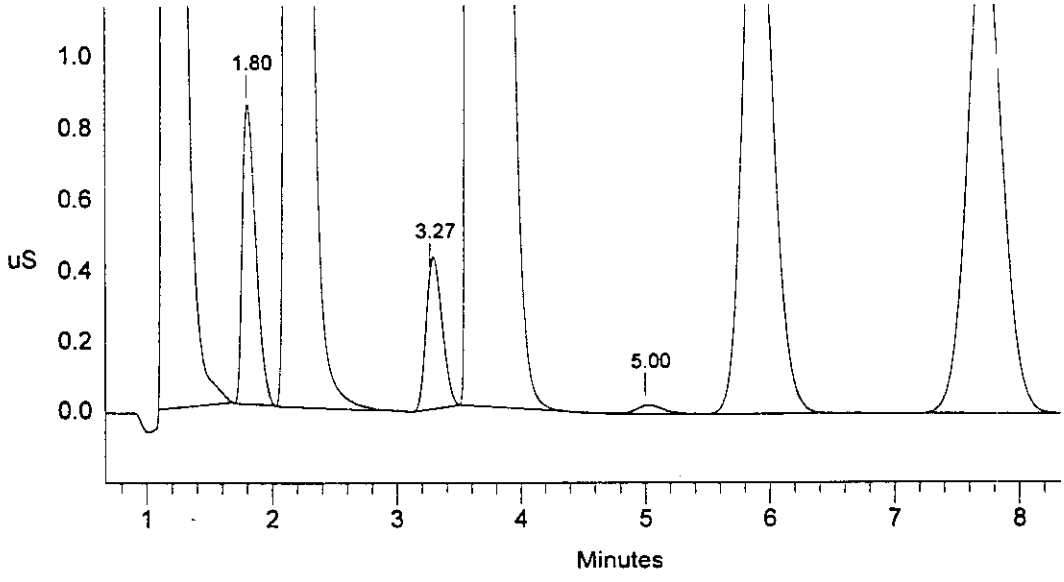
Sample Name:	DUP96-2605118.1AA.W - A10 Date: 02/27/1996 11:25:29
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D10
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 10 Vial:A10 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	10	3000	5Hz	0.67	8.33	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	93.202	12860406	94249713	1	3.11
2	1.80	CHLORIDE	11.759	833580	6319141	1	0.00
3	2.18	NITRITE	270.115	14176911	116589813	1	1.08
4	3.27	BROMIDE	15.559	378972	3819825	1	-4.72
5	3.67	NITRATE	766.325	23901741	302611775	1	0.00
6	5.00		0.000	24503	390067	1	
7	5.90	PHOSPHATE	161.494	1752334	27939705	1	0.34
8	7.70	SULFATE	63.446	1353174	26420519	1	0.00
		Totals	1381.899	55281621	578340559		

File: 96022711.D10 Sample: DUP96-2605118.1AA.W - A10



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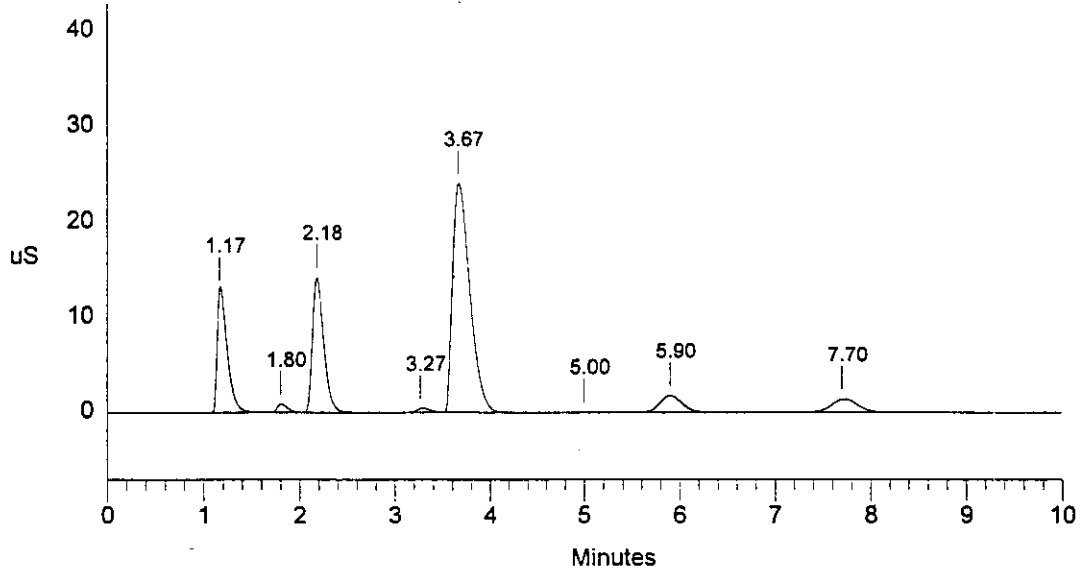
| Sample Name: DUP96-2605118.1AA.W  - A10     Date: 02/27/1996 11:25:29      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D10                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 10  Vial:A10        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	25	10	3000	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	FLUORIDE	93.202	12860406	94249713	1	3.11
2	1.80	CHLORIDE	11.759	833580	6319141	1	0.00
3	2.18	NITRITE	270.131	14176891	116597084	1	1.08
4	3.27	BROMIDE	14.925	373194	3661790	1	-4.72
5	3.67	NITRATE	766.438	23901960	302662909	1	0.00
6	5.00		0.000	24503	390067	1	
7	5.90	PHOSPHATE	161.574	1752495	27954448	1	0.34
8	7.70	SULFATE	63.656	1354530	26517802	1	0.00
		Totals	1381.684	55277559	578352954		

File: 96022711.D10 Sample: DUP96-2605118.1AA.W - A10



Data Reprocessed On 02/28/1996 10:14:19

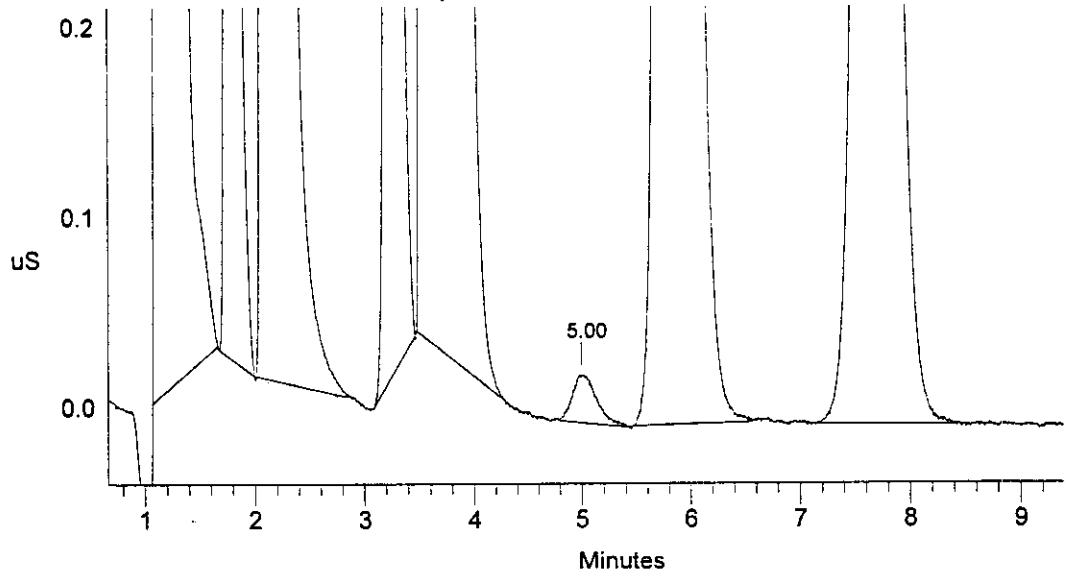
Sample Name: 96-2606/118.1AB.W - A11		Date: 02/27/1996 11:37:03	
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D11			
Method : c:\dx\method\1anions1.met			
ACI Address: 1 System: 1 Inject#: 11 Vial:A11			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.66	9.39	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	93.243	15836092	114585559	1	2.59
2	1.78	CHLORIDE	10.794	943256	7073877	1	0.00
3	2.15	NITRITE	254.857	15557335	132884476	1	0.47
4	3.27	BROMIDE	26.575	893375	7909974	1	-3.83
5	3.63	NITRATE	715.932	26870838	345645914	1	0.00
6	5.00		0.000	24808	386555	1	
7	5.87	PHOSPHATE	242.499	3269474	52012223	1	0.69
8	7.70	SULFATE	59.115	1565709	29901132	1	0.00
		Totals	1403.016	64960887	690399709		

File: 96022711.D11 Sample: 96-2606/118.1AB.W - A11



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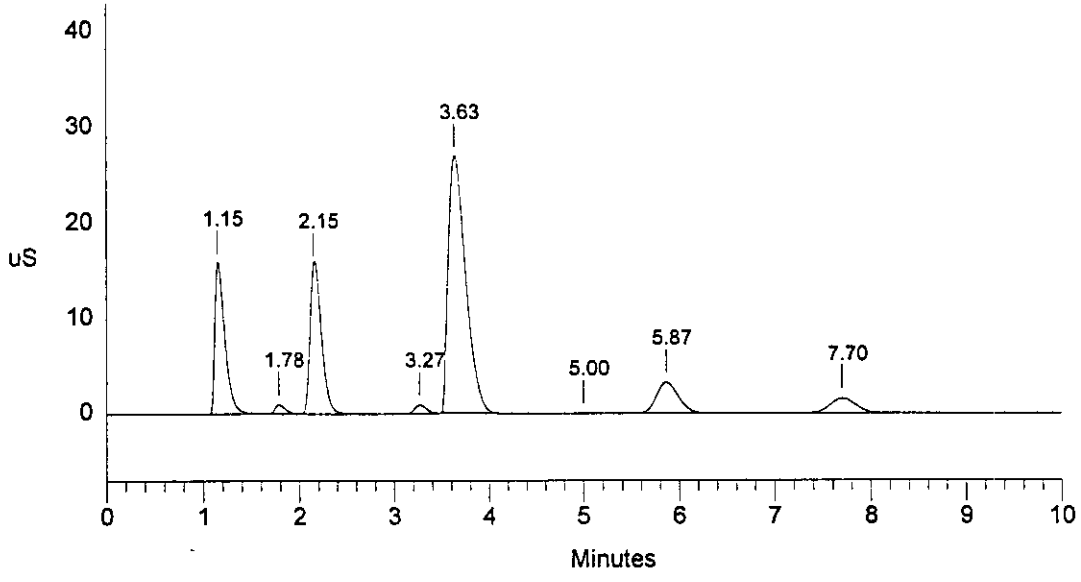
==========================================================================
| Sample Name: 96-2606/118.1AB.W  - A11        Date: 02/27/1996 11:37:03   |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D11                       |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 11  Vial:A11        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	93.243	15836092	114585559	1	2.59
2	1.78	CHLORIDE	10.794	943256	7073877	1	0.00
3	2.15	NITRITE	255.028	15557792	132978287	1	0.47
4	3.27	BROMIDE	26.575	893375	7909974	1	-3.83
5	3.63	NITRATE	708.886	26765958	341651003	1	0.00
6	5.00		0.000	24808	386555	1	
7	5.87	PHOSPHATE	242.499	3269474	52012223	1	0.69
8	7.70	SULFATE	59.303	1566936	30006462	1	0.00
		Totals	1396.329	64857691	686603939		

File: 96022711.D11 Sample: 96-2606/118.1AB.W - A11



Data Reprocessed On 02/28/1996 10:16:01

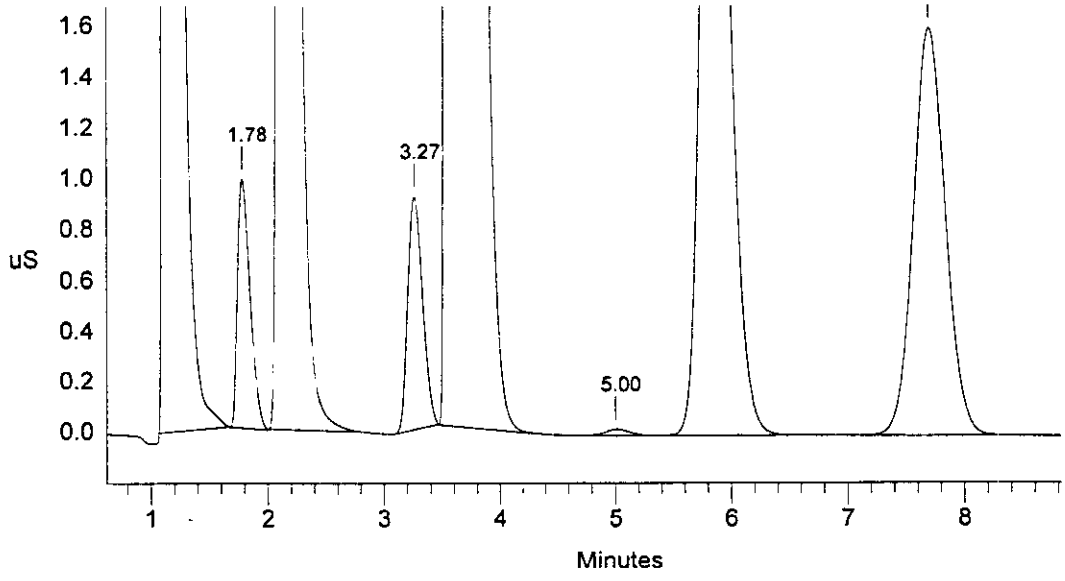
Sample Name: DUP96-2606/118.1AB.W - A12	Date: 02/27/1996 11:48:32
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D12	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 12 Vial:A12	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.62	8.83	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	100.266	17218646	123884318	1	2.59
2	1.78	CHLORIDE	11.144	979438	7339221	1	0.00
3	2.15	NITRITE	260.312	16185485	135881245	1	0.47
4	3.27	BROMIDE	27.243	917061	8111789	1	-3.83
5	3.63	NITRATE	731.391	27607029	354464643	1	0.00
6	5.00		0.000	25535	387483	1	
7	5.83	PHOSPHATE	288.474	3824869	62555319	1	0.12
8	7.70	SULFATE	60.385	1604259	30610509	1	0.00
		Totals	1479.216	68362321	723234526		

File: 96022711.D12 Sample: DUP96-2606/118.1AB.W - A12



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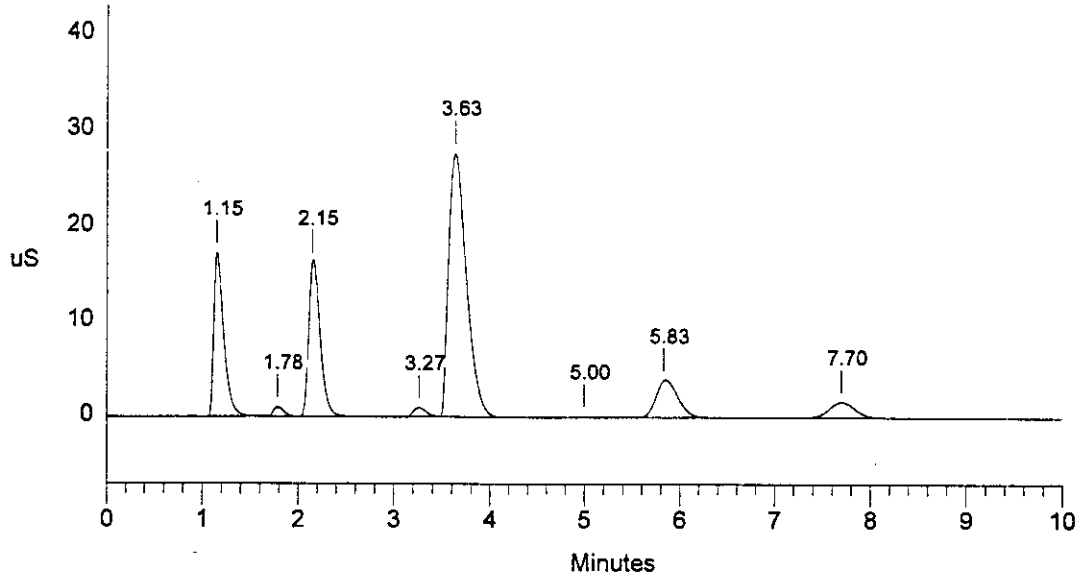
==============================================================================
| Sample Name: DUP96-2606/118.1AB.W  - A12    Date: 02/27/1996 11:48:32      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D12                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 12  Vial:A12        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	100.266	17218646	123884318	1	2.59
2	1.78	CHLORIDE	11.144	979438	7339221	1	0.00
3	2.15	NITRITE	260.599	16186384	136039284	1	0.47
4	3.27	BROMIDE	25.871	897846	7697424	1	-3.83
5	3.63	NITRATE	731.008	27606036	354245214	1	0.00
6	5.00		0.000	25535	387483	1	
7	5.83	PHOSPHATE	288.313	3824482	62518082	1	0.12
8	7.70	SULFATE	60.446	1604475	30644227	1	0.00
		Totals	1477.648	68342841	722755253		

File: 96022711.D12 Sample: DUP96-2606/118.1AB.W - A12



Data Reprocessed On 02/28/1996 10:17:39

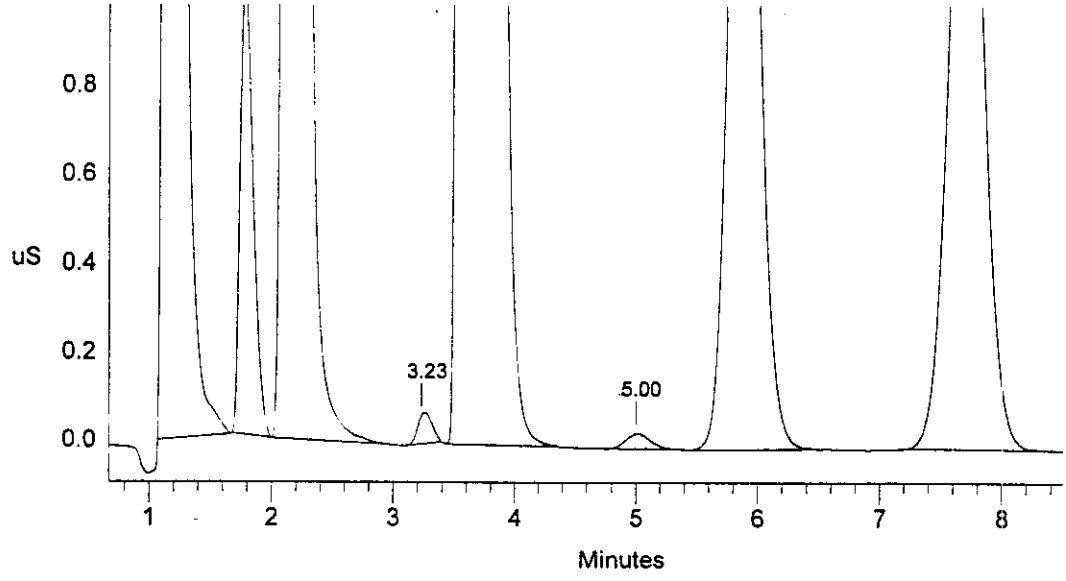
Sample Name: 96-2607/118.2A.W - A13	Date: 02/27/1996 12:00:05
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D13	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 13 Vial:A13	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.67	8.50	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	74.520	12526103	90185093	1	3.56
2	1.77	CHLORIDE	11.480	969099	7593976	1	0.00
3	2.15	NITRITE	283.966	17713040	148913177	1	1.42
4	3.23	BROMIDE	2.016	62462	557571	1	-3.92
5	3.60	NITRATE	789.732	28870719	388447779	1	0.00
6	5.00		0.000	33581	494542	1	
7	5.87	PHOSPHATE	173.786	2296197	36579993	1	1.62
8	7.70	SULFATE	65.191	1758377	33295589	1	0.00
		Totals	1400.689	64229578	706067721		

File: 96022711.D13 Sample: 96-2607/118.2A.W - A13



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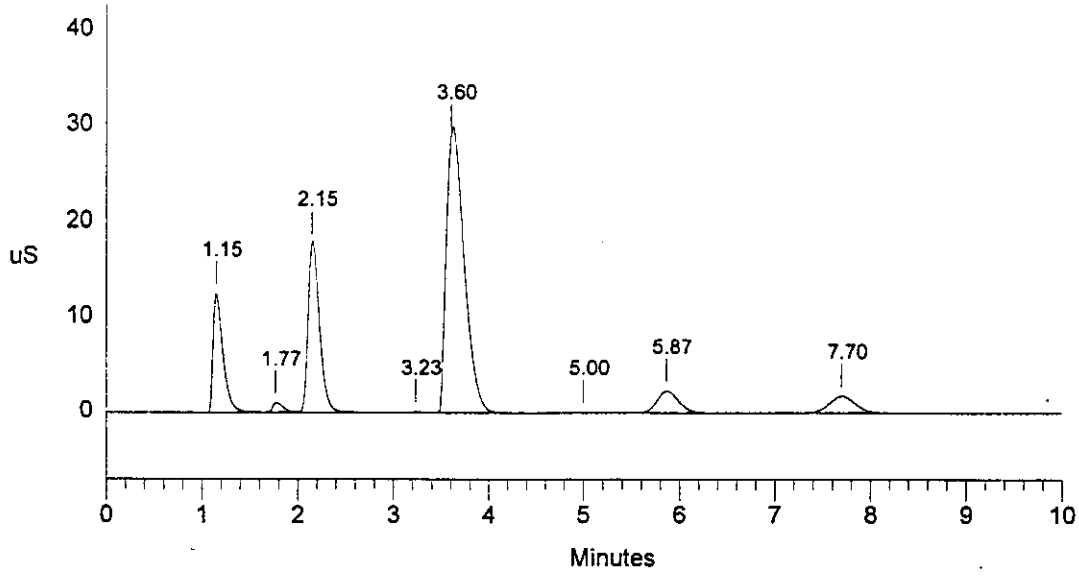
| Sample Name: 96-2607/118.2A.W  - A13        Date: 02/27/1996 12:00:05   |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D13                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 13  Vial:A13        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	74.520	12526103	90185093	1	3.56
2	1.77	CHLORIDE	11.396	966205	7530667	1	0.00
3	2.15	NITRITE	284.025	17713209	148945958	1	1.42
4	3.23	BROMIDE	2.016	62462	557571	1	-3.92
5	3.60	NITRATE	789.824	28871056	388502367	1	0.00
6	5.00		0.000	33581	494542	1	
7	5.87	PHOSPHATE	174.228	2297157	36678185	1	1.62
8	7.70	SULFATE	65.687	1761963	33573037	1	0.00
		Totals	1401.696	64231735	706467419		

File: 96022711.D13 Sample: 96-2607/118.2A.W - A13



Data Reprocessed On 02/28/1996 10:19:18

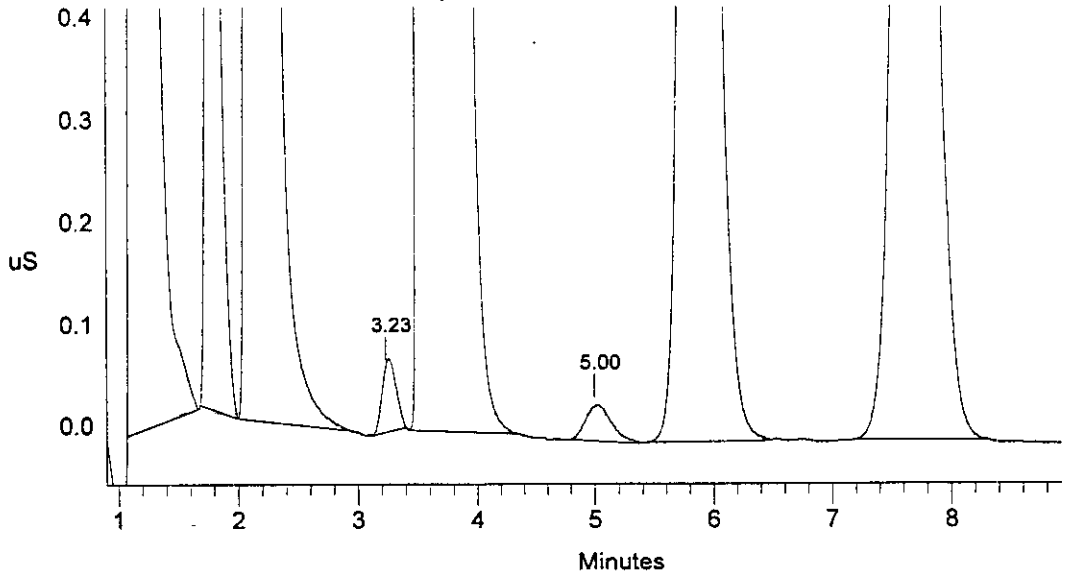
Sample Name:	DUP96-2607/118.2A.W - A14 Date: 02/27/1996 12:11:39
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D14
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 14 Vial:A14 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.90	8.93	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	71.722	12005886	86585764	1	2.59
2	1.78	CHLORIDE	11.446	1008699	7568862	1	0.00
3	2.15	NITRITE	285.526	17978753	149774899	1	0.47
4	3.23	BROMIDE	2.090	62012	579450	1	-4.81
5	3.60	NITRATE	792.685	29091769	390198583	1	0.00
6	5.00		0.000	33453	522460	1	
7	5.87	PHOSPHATE	173.121	2282213	36432506	1	1.62
8	7.70	SULFATE	65.323	1756955	33369589	1	0.00
		Totals	1401.913	64219740	705032113		

File: 96022711.D14 Sample: DUP96-2607/118.2A.W - A14



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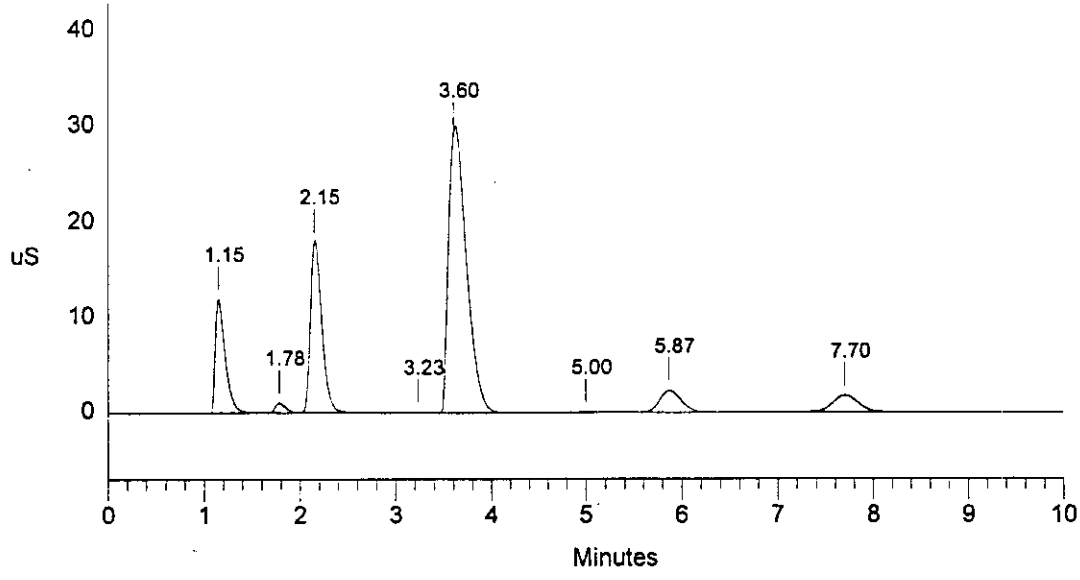
| Sample Name: DUP96-2607/118.2A.W  - A14     Date: 02/27/1996 12:11:39    |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D14                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A14        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	71.722	12005886	86585764	1	2.59
2	1.78	CHLORIDE	11.446	1008699	7568862	1	0.00
3	2.15	NITRITE	285.064	17969374	149519545	1	0.47
4	3.23	BROMIDE	2.090	62012	579450	1	-4.81
5	3.60	NITRATE	792.915	29092455	390335202	1	0.00
6	5.00		0.000	33453	522460	1	
7	5.87	PHOSPHATE	173.267	2282479	36465018	1	1.62
8	7.70	SULFATE	65.606	1758952	33528134	1	0.00
		Totals	1402.110	64213310	705104436		

File: 96022711.D14 Sample: DUP96-2607/118.2A.W - A14



Data Reprocessed On 02/28/1996 10:21:50

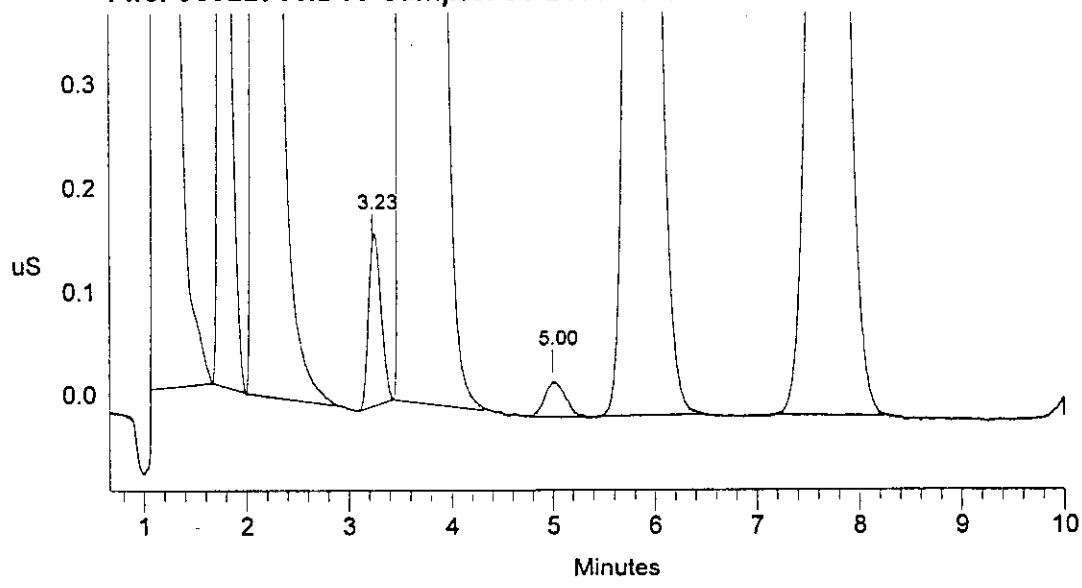
Sample Name: 96-2608/118.2B.W - A15	Date: 02/27/1996 12:23:13
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D15	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 15 Vial:A15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.66	10.00		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	82.706	13218526	100785141	1	2.06
2	1.77	CHLORIDE	11.527	994700	7630119	1	0.00
3	2.15	NITRITE	284.042	18121667	148955557	1	1.42
4	3.23	BROMIDE	4.901	154230	1414784	1	-3.92
5	3.60	NITRATE	794.494	29719289	391273046	1	0.00
6	5.00		0.000	33003	479394	1	
7	5.87	PHOSPHATE	168.825	2231047	35480336	1	1.62
8	7.70	SULFATE	65.582	1766979	33514670	1	0.00
		Totals	1412.079	66239441	719533047		

File: 96022711.D15 Sample: 96-2608/118.2B.W - A15



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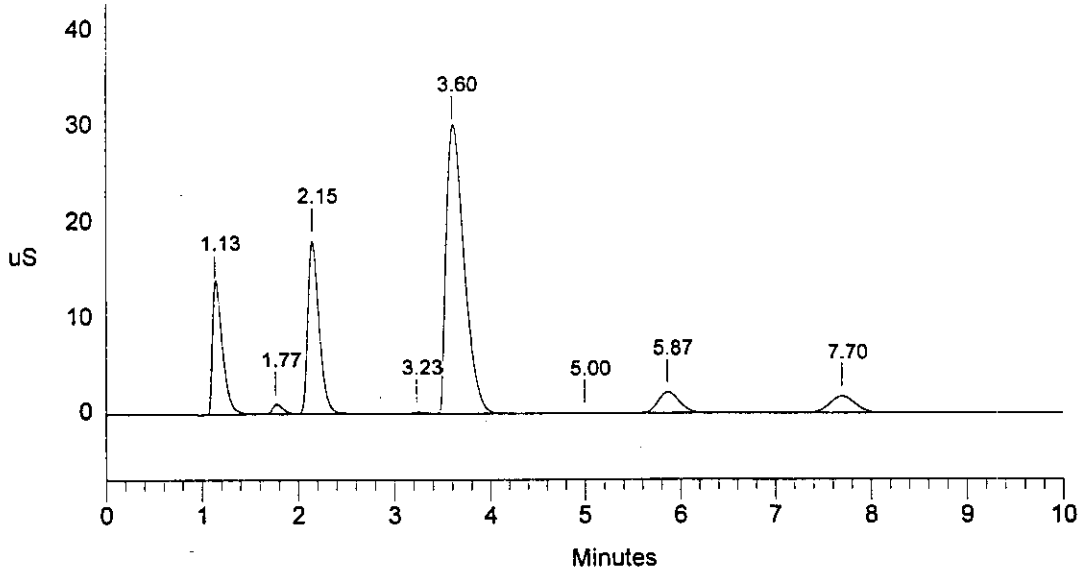
==============================================================================
| Sample Name: 96-2608/118.2B.W  - A15        Date: 02/27/1996 12:23:13      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D15                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 15  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	82.649	13218056	100711306	1	2.06
2	1.77	CHLORIDE	11.497	993962	7607422	1	0.00
3	2.15	NITRITE	284.198	18122105	149041269	1	1.42
4	3.23	BROMIDE	4.598	150202	1324631	1	-3.92
5	3.60	NITRATE	794.525	29719363	391291033	1	0.00
6	5.00		0.000	33003	479394	1	
7	5.87	PHOSPHATE	169.620	2233406	35656399	1	1.62
8	7.70	SULFATE	65.893	1769304	33688258	1	0.00
		Totals	1412.980	66239400	719799712		

File: 96022711.D15 Sample: 96-2608/118.2B.W - A15



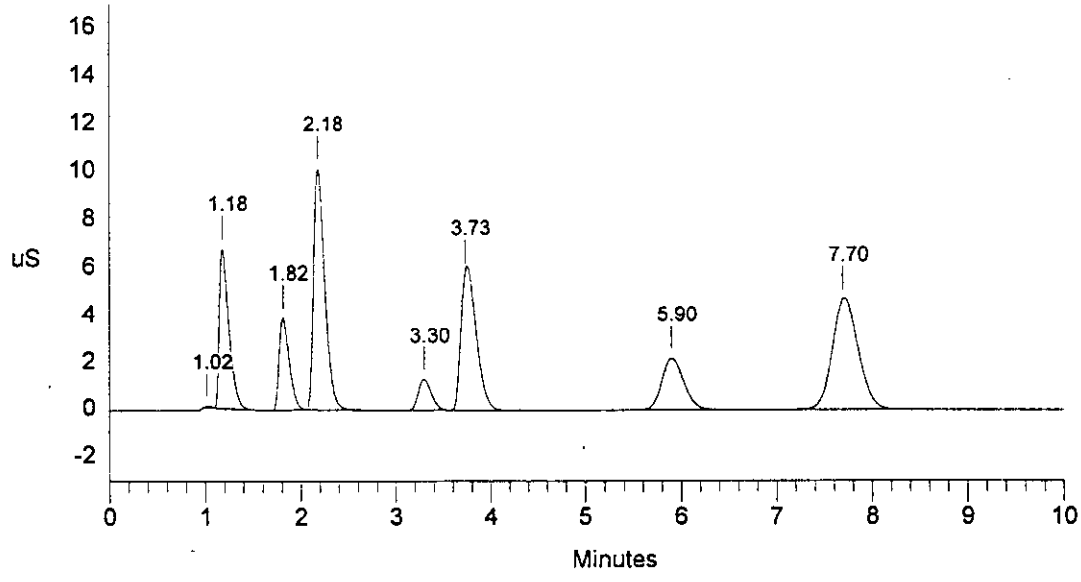
```
==========================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/27/1996 12:34:34   |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D16                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 16  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	45149	220832	2	
2	1.18	FLUORIDE	24.145	6704779	46884758	2	3.63
3	1.82	CHLORIDE	23.380	3897363	28846704	1	0.00
4	2.18	NITRITE	97.334	10093924	82470498	1	0.15
5	3.30	BROMIDE	24.586	1300696	12282338	1	-4.63
6	3.73	NITRATE	97.336	5782448	68157311	1	0.00
7	5.90	PHOSPHATE	99.389	2185445	34777149	1	-1.45
8	7.70	SULFATE	97.497	4674016	88620704	1	0.00
		Totals	463.668	34683820	362260295		

File: 96022711.D16 Sample: A960123V1/LO - A04



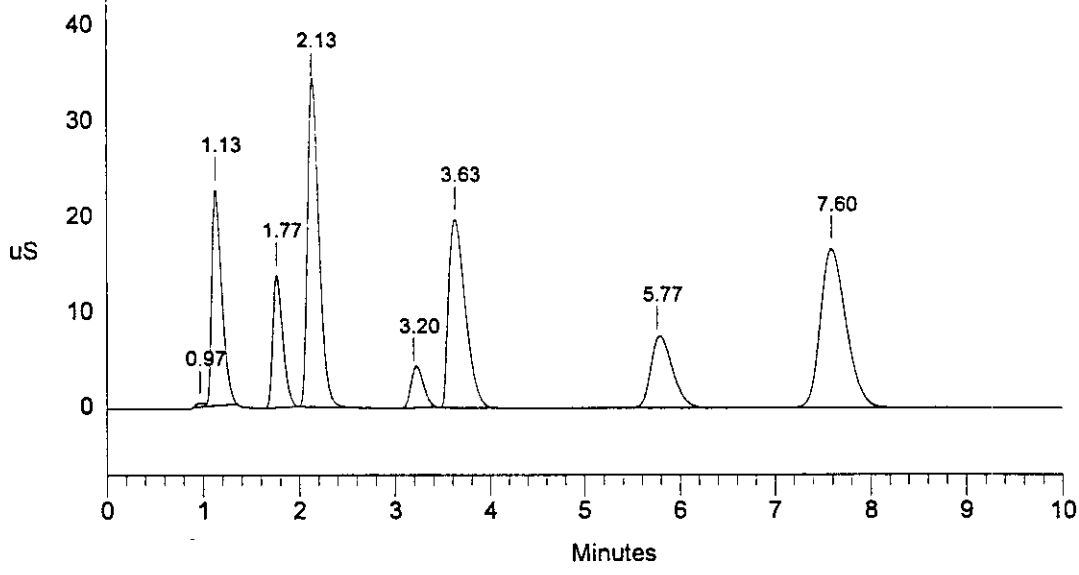
```
==============================================================================
| Sample Name: A960123V2/MID  - A04            Date: 02/27/1996 12:46:08      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D17                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 17  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	398999	2156485	2	
2	1.13	FLUORIDE	25.738	22630932	162399501	2	2.06
3	1.77	CHLORIDE	24.781	13848681	100200622	1	0.00
4	2.13	NITRITE	104.701	33649416	284458979	1	0.63
5	3.20	BROMIDE	25.439	3872133	39494424	1	-4.91
6	3.63	NITRATE	104.421	19742631	240829229	1	0.00
7	5.77	PHOSPHATE	104.968	7223342	119919745	1	-1.03
8	7.60	SULFATE	103.996	16646601	310464489	1	0.00
		Totals	494.044	118012735	1259923474		

File: 96022711.D17 Sample: A960123V2/MID - A04



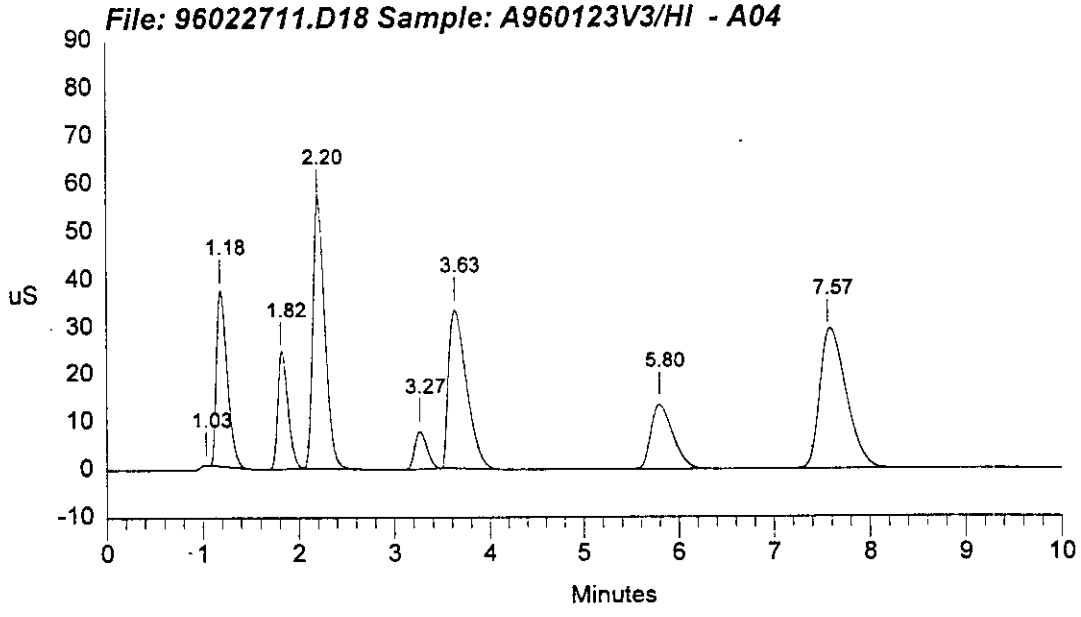
Data Reprocessed On 02/28/1996 10:22:34

Sample Name: A960123V3/HI - A04	Date: 02/27/1996 12:57:50
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D18	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 18 Vial:A04	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	85816	214938	1	
2	1.18	FLUORIDE	25.710	36583290	288408338	1	3.63
3	1.82	CHLORIDE	24.860	24145881	181788428	1	0.00
4	2.20	NITRITE	104.352	55892433	493424898	1	0.92
5	3.27	BROMIDE	25.824	7846326	69414146	1	-3.77
6	3.63	NITRATE	104.200	33278843	436156478	1	0.00
7	5.80	PHOSPHATE	105.108	13376924	218270848	1	-2.34
8	7.57	SULFATE	104.212	28678041	567239013	1	0.00
		Totals	494.265	199887555	2254917086		



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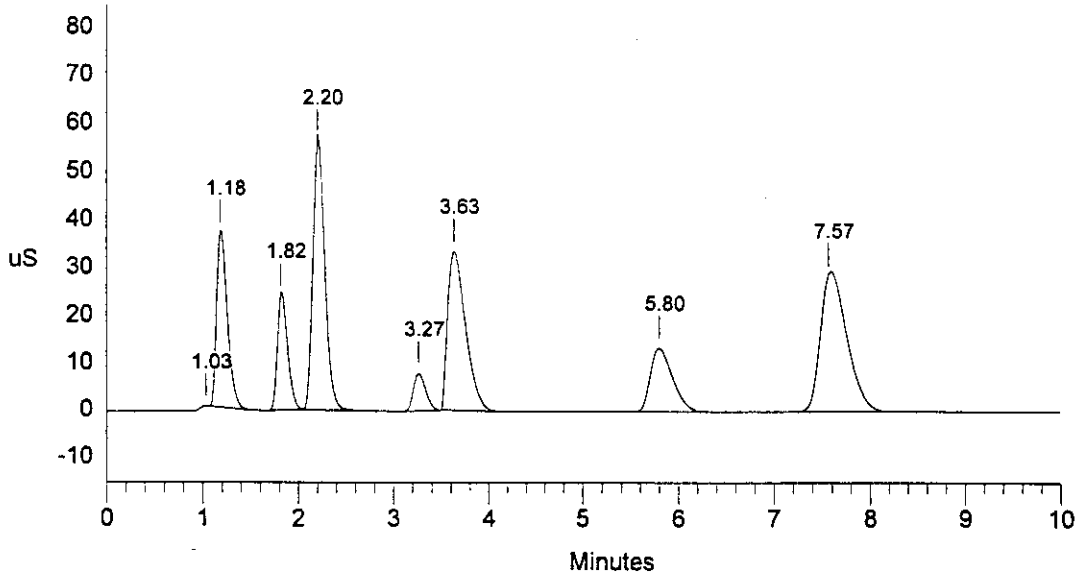
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/27/1996 12:57:50      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D18                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 18  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	85816	214938	1	
2	1.18	FLUORIDE	25.710	36583290	288408338	1	3.63
3	1.82	CHLORIDE	24.860	24145881	181788428	1	0.00
4	2.20	NITRITE	104.352	55892433	493424898	1	0.92
5	3.27		0.000	7846326	69414146	1	
6	3.63	BROMIDE	85.939	33278843	436156478	1	5.00
7	5.80	PHOSPHATE	105.108	13376924	218270848	1	-0.45
8	7.57	SULFATE	104.212	28678041	567239013	1	0.00
		Totals	450.179	199887555	2254917086		

File: 96022711.D18 Sample: A960123V3/HI - A04



Data Reprocessed On 02/28/1996 10:23:23

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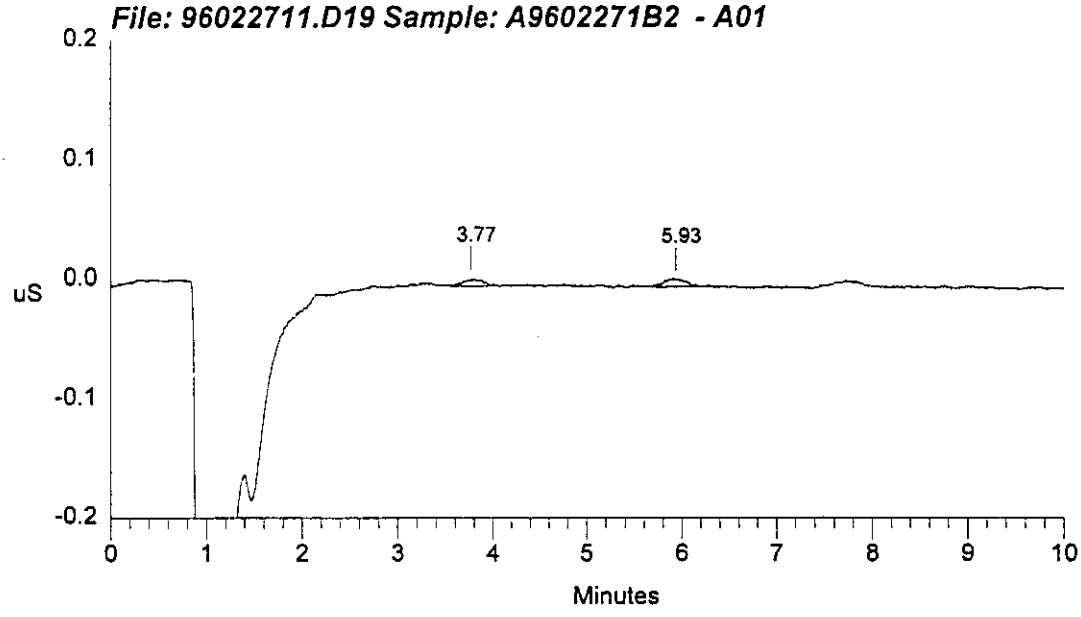
==============================================================================
| Sample Name: A9602271B2  - A01              Date: 02/27/1996 13:10:01      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D19                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 19  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.77	NITRATE	0.194	5251	83303	1	0.00
2	5.93	PHOSPHATE	0.141	4990	109143	1	-1.77
		Totals	0.335	10241	192446		

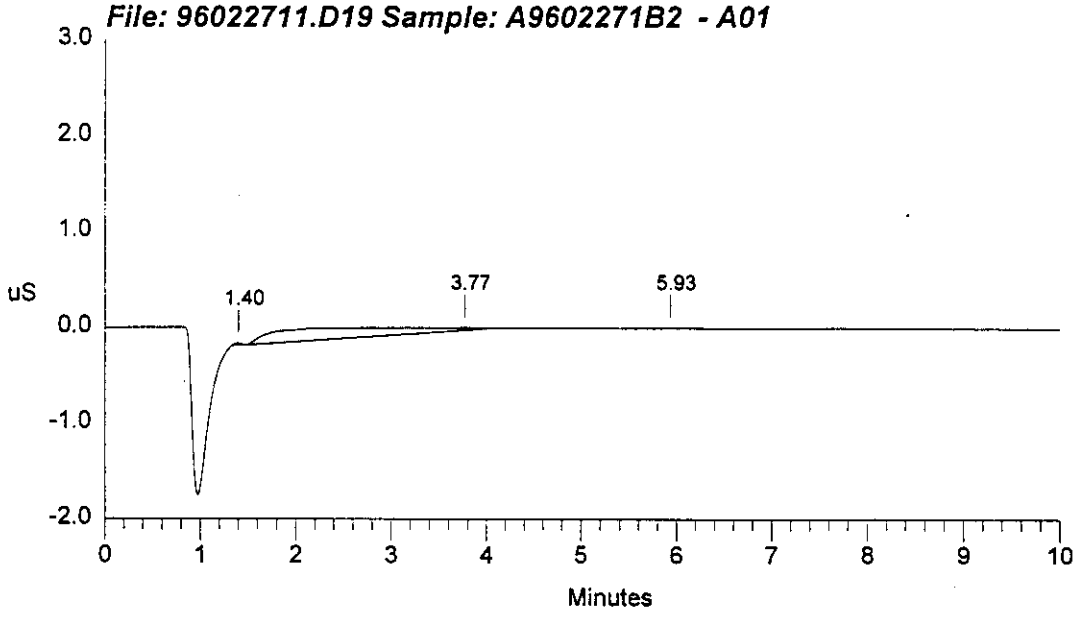


```
==============================================================================
| Sample Name: A9602271B2  - A01                Date: 02/27/1996 13:10:01     |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D19                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 19  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.40		0.000	22500	102470	1	
2	3.77	NITRATE	0.989	25836	11422613	1	0.00
3	5.93	PHOSPHATE	0.142	5031	113485	1	-1.77
		Totals	1.130	53367	11638569		



Data Reprocessed On 02/28/1996 10:24:58

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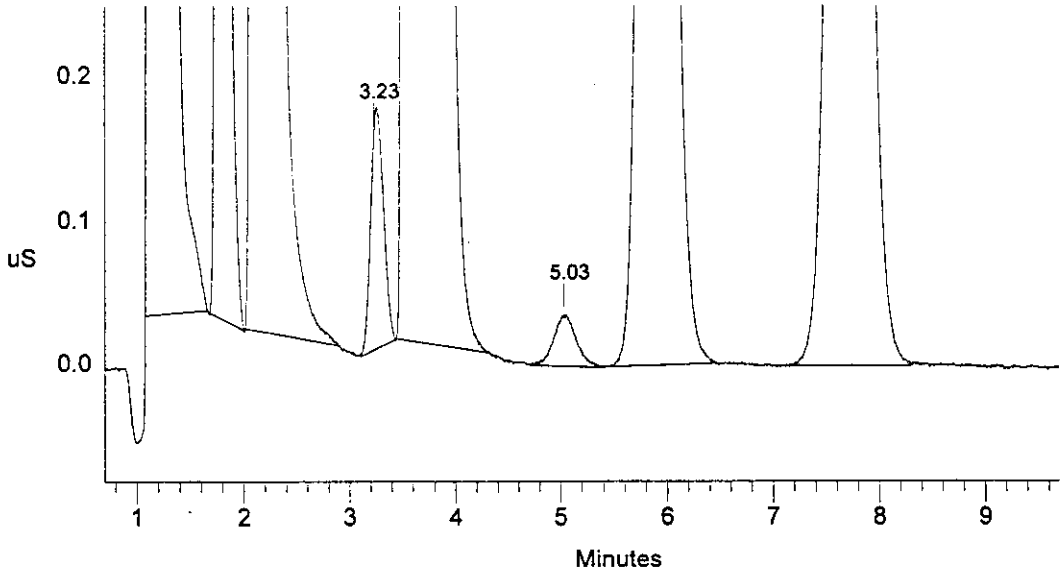
==============================================================================
| Sample Name: DUP96-2608/118.2B.W  - A16     Date: 02/27/1996 13:21:39      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D20               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 20  Vial:A16        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)           |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.70	9.69	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	79.657	13069394	96824253	1	2.59
2	1.78	CHLORIDE	12.164	1078809	8114039	1	0.00
3	2.15	NITRITE	285.425	17561098	149718877	1	0.47
4	3.23	BROMIDE	4.936	148749	1425067	1	-4.81
5	3.60	NITRATE	798.362	29610720	393573651	1	0.00
6	5.03		0.000	34463	522516	1	
7	5.87	PHOSPHATE	166.726	2161997	35015623	1	1.62
8	7.70	SULFATE	66.022	1767180	33760761	1	0.00
		Totals	1413.292	65432410	718954785		

File: 96022711.D20 Sample: DUP96-2608/118.2B.W - A16



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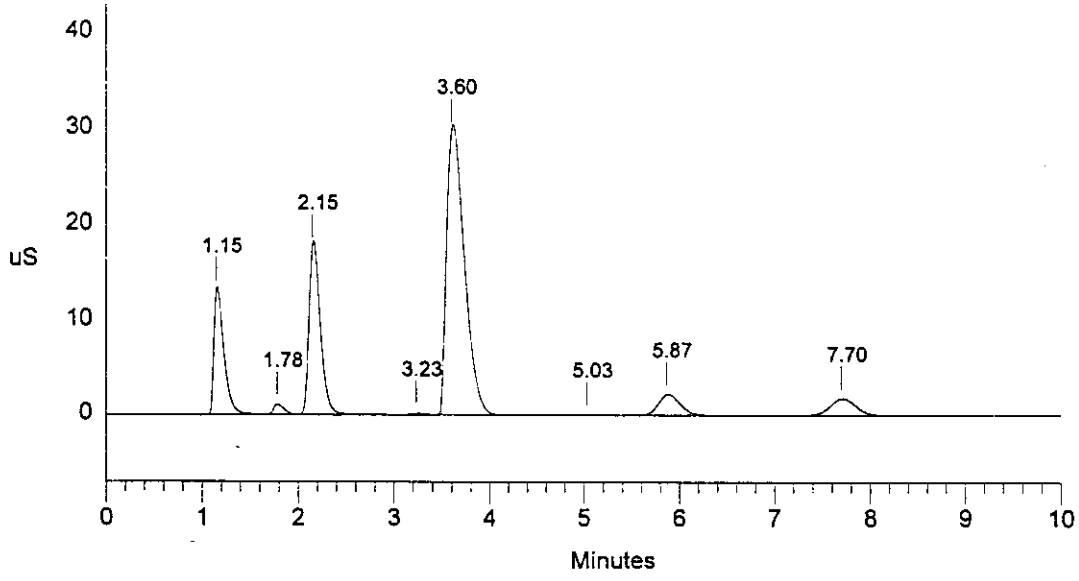
==========================================================================
| Sample Name: DUP96-2608/118.2B.W  - A16     Date: 02/27/1996 13:21:39     |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D20                       |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 20  Vial:A16        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	79.657	13069394	96824253	1	2.59
2	1.78	CHLORIDE	12.164	1078809	8114039	1	0.00
3	2.15	NITRITE	285.694	17561815	149867820	1	0.47
4	3.23	BROMIDE	4.936	148749	1425067	1	-4.81
5	3.60	NITRATE	797.284	29589899	392931712	1	0.00
6	5.03		0.000	34463	522516	1	
7	5.87	PHOSPHATE	166.712	2161954	35012463	1	1.62
8	7.70	SULFATE	66.087	1767358	33797127	1	0.00
		Totals	1412.534	65412442	718494996		

File: 96022711.D20 Sample: DUP96-2608/118.2B.W - A16



Data Reprocessed On 02/28/1996 10:26:46

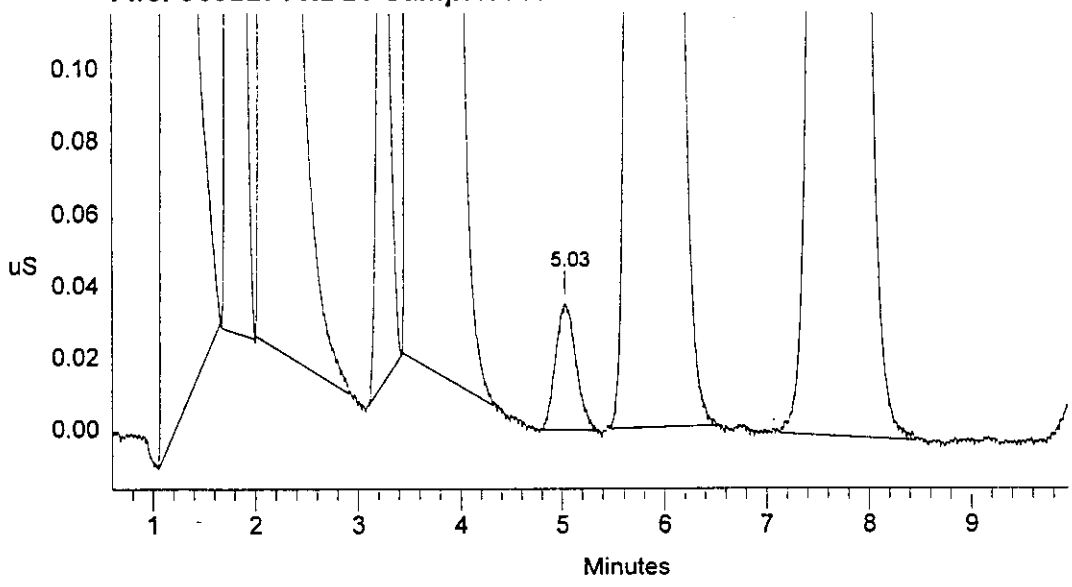
Sample Name:	MS96-2608/118.2B.W - A17 Date: 02/27/1996 13:33:17
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D21
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 21 Vial:A17 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.60	9.94	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	69.775	11557329	84088668	1	2.59
2	1.78	CHLORIDE	13.458	1211080	9098236	1	0.00
3	2.15	NITRITE	299.800	18916818	157670801	1	0.47
4	3.23	BROMIDE	4.968	163499	1434612	1	-4.81
5	3.60	NITRATE	876.880	33725734	441487509	1	0.00
6	5.03		0.000	35013	486661	1	
7	5.83	PHOSPHATE	367.864	5048686	81202832	1	1.05
8	7.70	SULFATE	91.883	2546645	48289737	1	0.00
		Totals	1724.629	73204804	823759055		

File: 96022711.D21 Sample: MS96-2608/118.2B.W - A17



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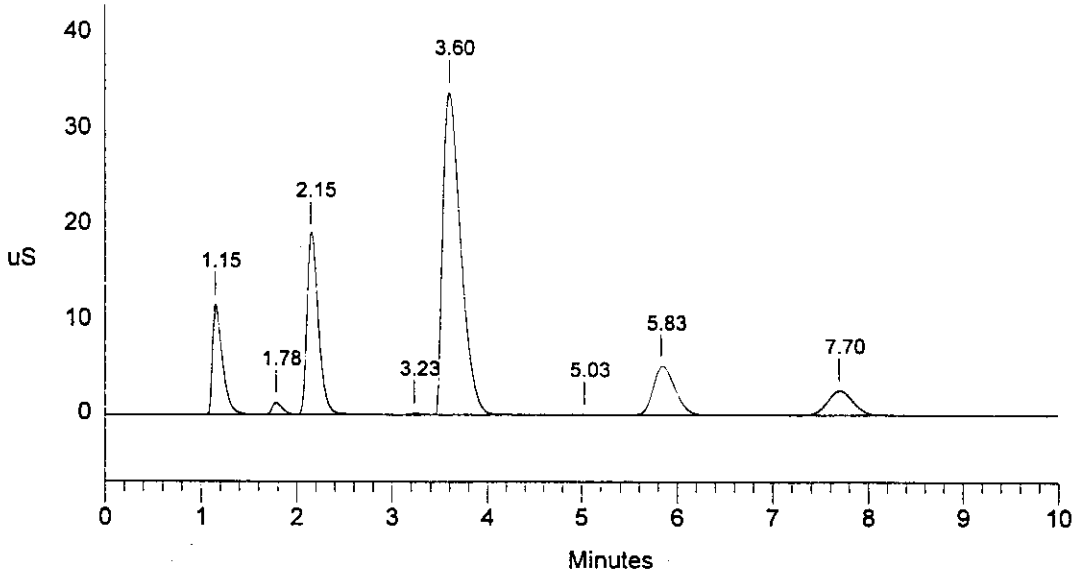
==============================================================================
| Sample Name: MS96-2608/118.2B.W  - A17      Date: 02/27/1996 13:33:17      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D21                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 21  Vial:A17        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	69.426	11536024	83641479	1	2.59
2	1.78	CHLORIDE	13.386	1207238	9043230	1	0.00
3	2.15	NITRITE	299.224	18907159	157351902	1	0.47
4	3.23	BROMIDE	4.720	160124	1360971	1	-4.81
5	3.60	NITRATE	876.848	33725669	441467330	1	0.00
6	5.03		0.000	35013	486661	1	
7	5.83	PHOSPHATE	368.269	5049995	81299436	1	1.05
8	7.70	SULFATE	91.868	2546383	48281128	1	0.00
		Totals	1723.742	73167605	822932135		

File: 96022711.D21 Sample: MS96-2608/118.2B.W - A17



Data Reprocessed On 02/28/1996 10:43:14

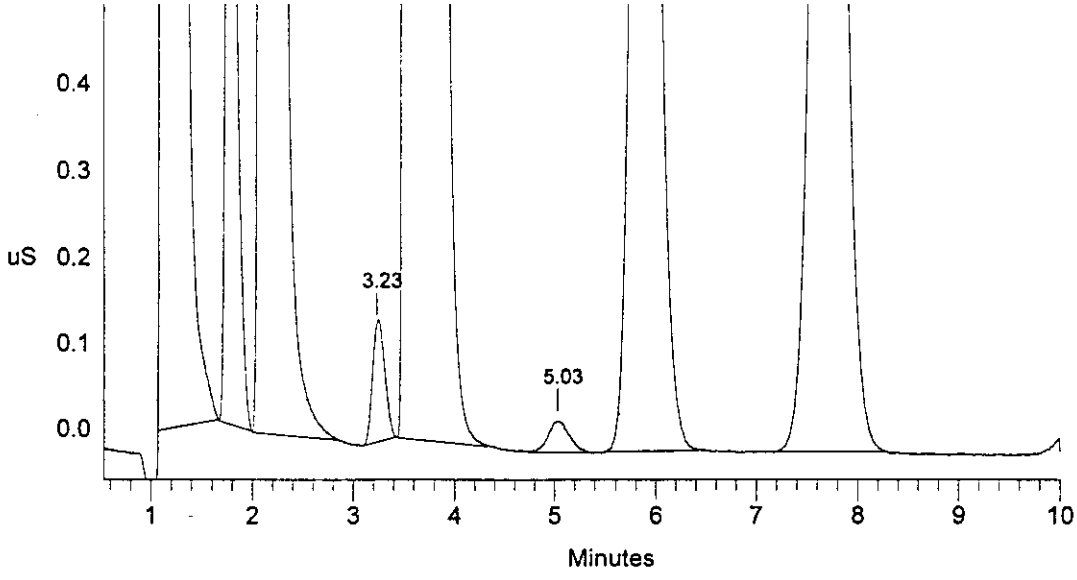
Sample Name: 96-2609/118.3A.W - A18	Date: 02/27/1996 13:44:56
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D22	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 22 Vial:A18	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.54	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	134.454	23750619	170387202	1	3.56
2	1.77	CHLORIDE	11.163	938529	7353813	1	0.00
3	2.15	NITRITE	275.298	17517847	144130972	1	1.42
4	3.23	BROMIDE	4.164	136453	1195540	1	-3.92
5	3.60	NITRATE	761.879	28782447	372081099	1	0.00
6	5.03		0.000	36688	539485	1	
7	5.87	PHOSPHATE	146.882	1895650	30638665	1	1.62
8	7.70	SULFATE	68.025	1836267	34881298	1	0.00
		Totals	1401.865	74894500	761208075		

File: 96022711.D22 Sample: 96-2609/118.3A.W - A18



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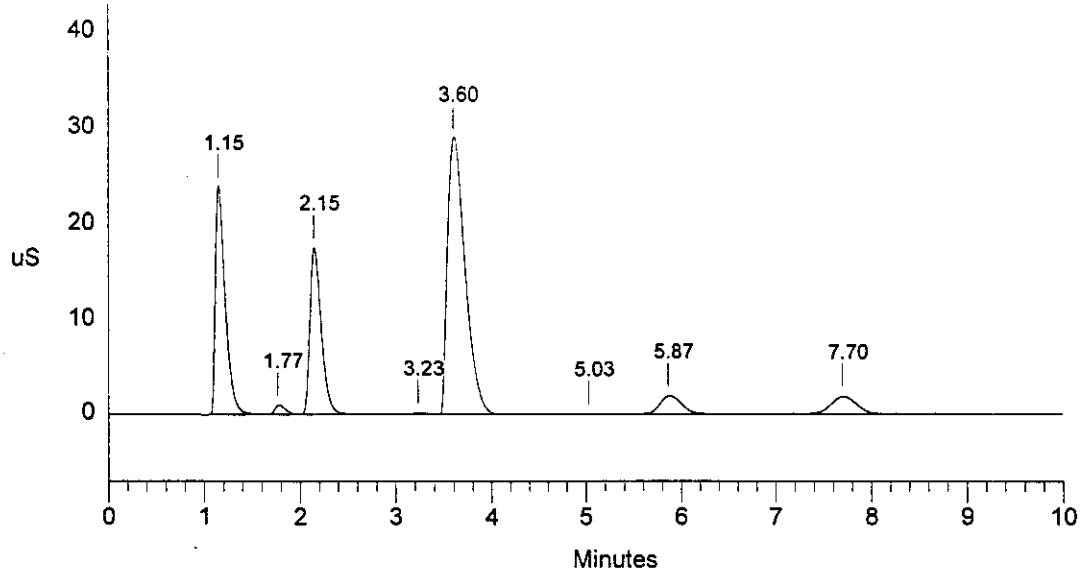
==============================================================================
| Sample Name: 96-2609/118.3A.W  - A18        Date: 02/27/1996 13:44:56      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D22                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 22  Vial:A18        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	134.454	23750619	170387202	1	3.56
2	1.77	CHLORIDE	11.050	933699	7268136	1	0.00
3	2.15	NITRITE	275.470	17518422	144225568	1	1.42
4	3.23	BROMIDE	3.976	133884	1139600	1	-3.92
5	3.60	NITRATE	761.962	28782684	372129488	1	0.00
6	5.03		0.000	36688	539485	1	
7	5.87	PHOSPHATE	147.438	1897448	30760941	1	1.62
8	7.70	SULFATE	68.253	1838018	35009178	1	0.00
		Totals	1402.603	74891462	761459599		

File: 96022711.D22 Sample: 96-2609/118.3A.W - A18



Data Reprocessed On 02/28/1996 10:47:39

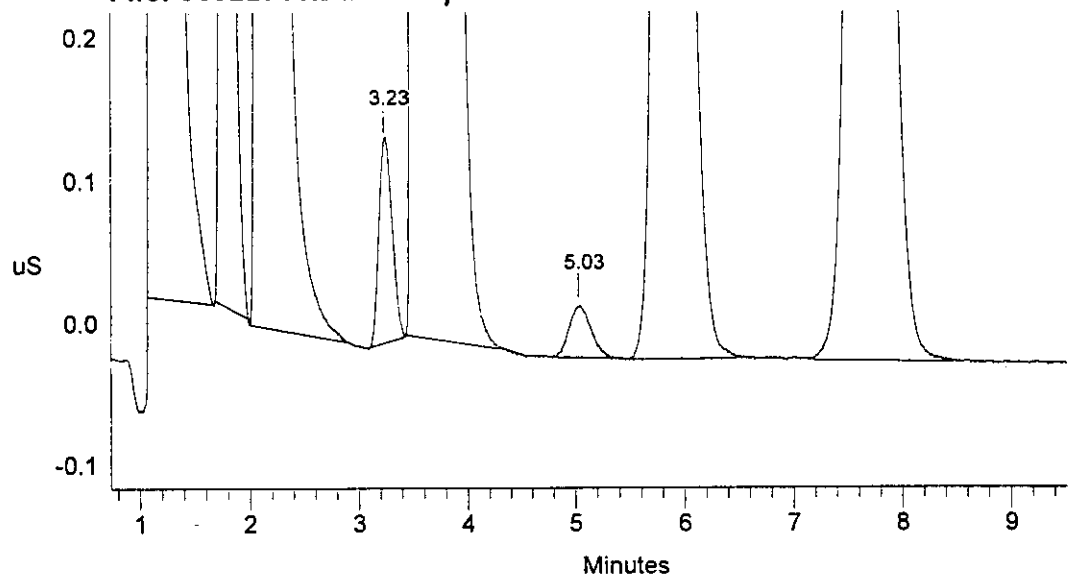
Sample Name:	DUP96-2609/118.3A.W - A19 Date: 02/27/1996 13:56:34
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D23
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 23 Vial:A19 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.73	9.51	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	141.623	25199858	180415463	1	3.56
2	1.77	CHLORIDE	11.148	945106	7341952	1	0.00
3	2.15	NITRITE	279.384	17807504	146384014	1	1.42
4	3.23	BROMIDE	4.267	140589	1226149	1	-3.92
5	3.60	NITRATE	771.983	29357189	377987912	1	0.00
6	5.03		0.000	35618	498492	1	
7	5.87	PHOSPHATE	149.647	1933771	31246800	1	1.62
8	7.70	SULFATE	69.597	1876848	35761741	1	0.00
		Totals	1427.649	77296483	780862523		

File: 96022711.D23 Sample: DUP96-2609/118.3A.W - A19



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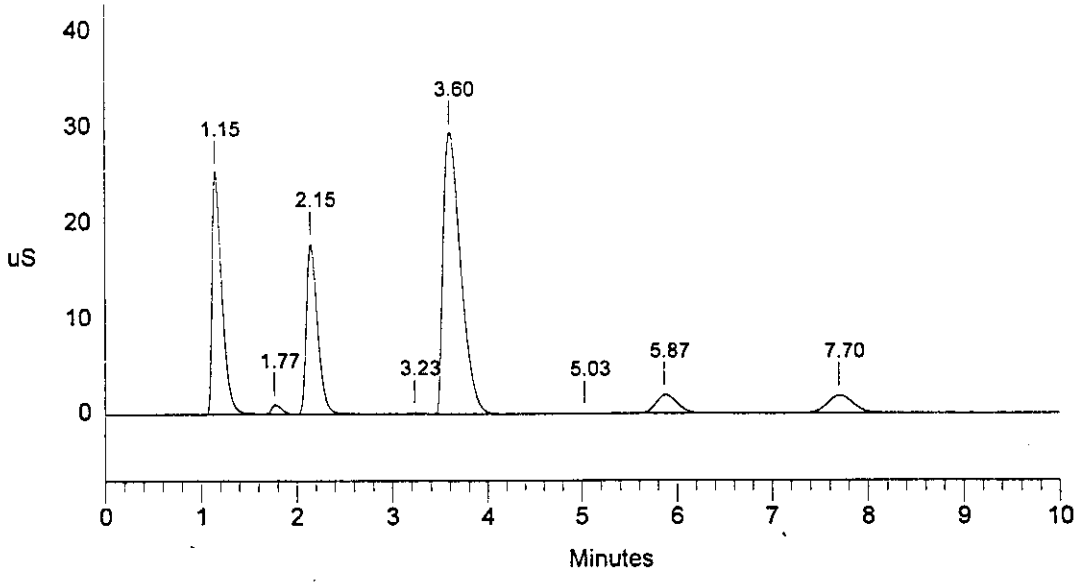
| Sample Name: DUP96-2609/118.3A.W  - A19     Date: 02/27/1996 13:56:34      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D23                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 23  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	142.094	25231694	181077259	1	3.56
2	1.77	CHLORIDE	11.148	945106	7341952	1	0.00
3	2.15	NITRITE	279.532	17807922	146465642	1	1.42
4	3.23	BROMIDE	4.040	137535	1158771	1	-3.92
5	3.60	NITRATE	772.099	29357540	378055579	1	0.00
6	5.03		0.000	35757	504578	1	
7	5.87	PHOSPHATE	149.640	1933712	31245105	1	1.62
8	7.70	SULFATE	69.763	1877702	35854809	1	0.00
		Totals	1428.315	77326969	781703697		

File: 96022711.D23 Sample: DUP96-2609/118.3A.W - A19



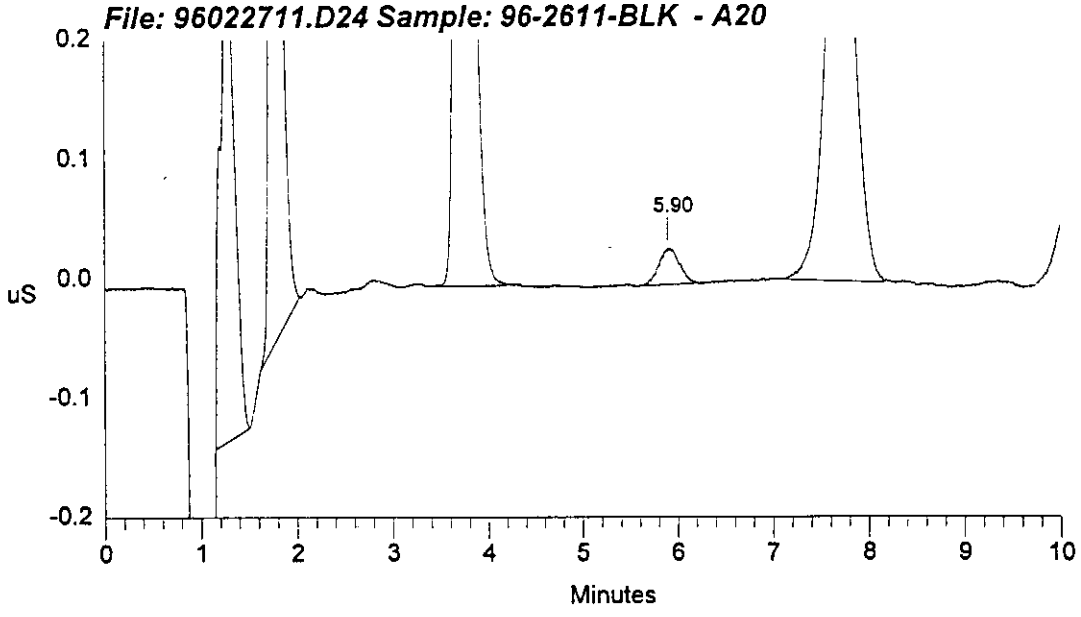
Data Reprocessed On 02/29/1996 16:54:58

Sample Name: 96-2611-BLK - A20	Date: 02/27/1996 14:08:46
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D24	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 24 Vial:A20	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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	1.27		0.000	427228	4414274	1	
2	1.77	CHLORIDE	0.339	936996	7462456	1	0.00
3	3.73	NITRATE	1.177	1253101	14126954	1	0.00
4	5.90	PHOSPHATE	0.190	28710	455256	1	-1.45
5	7.70	SULFATE	0.617	417665	8520027	1	0.00
		Totals	2.324	3063700	34978966		



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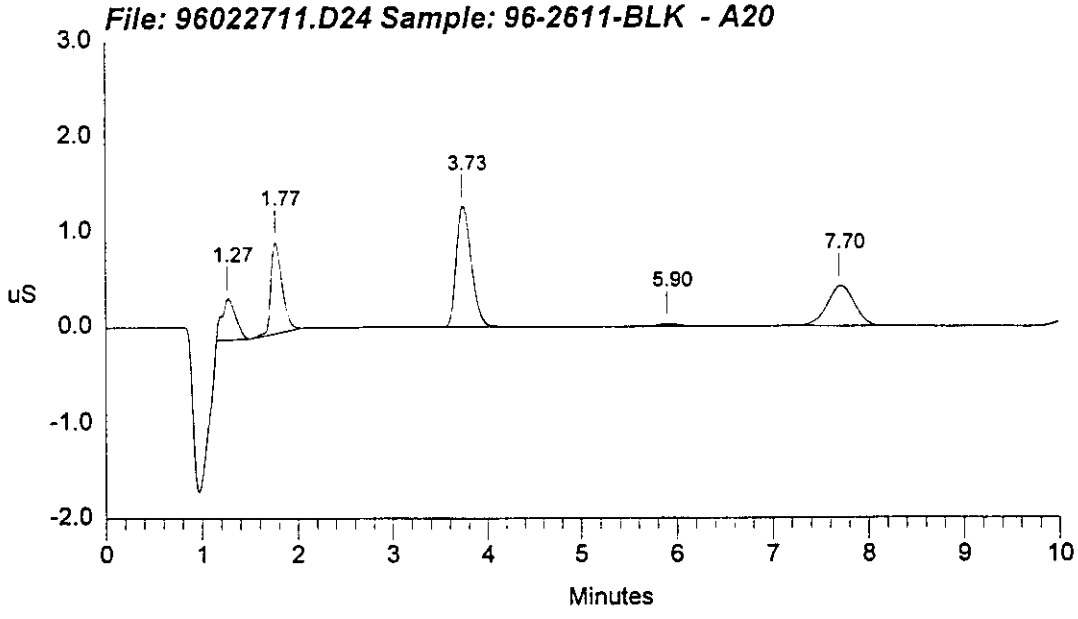
==============================================================================
| Sample Name: 96-2611-BLK  - A20              Date: 02/27/1996 14:08:46      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D24                          |
| Method     : c:\dx\method\lanions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 24  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.27		0.000	427204	4413490	1	
2	1.77	CHLORIDE	3.544	953246	7847624	1	0.00
3	3.73	NITRATE	11.761	1252695	14108252	1	0.00
4	5.90	PHOSPHATE	1.920	28973	466225	1	-1.45
5	7.70	SULFATE	6.185	418013	8550590	1	0.00
		Totals	23.410	3080130	35386181		



Data Reprocessed On 02/28/1996 10:52:10

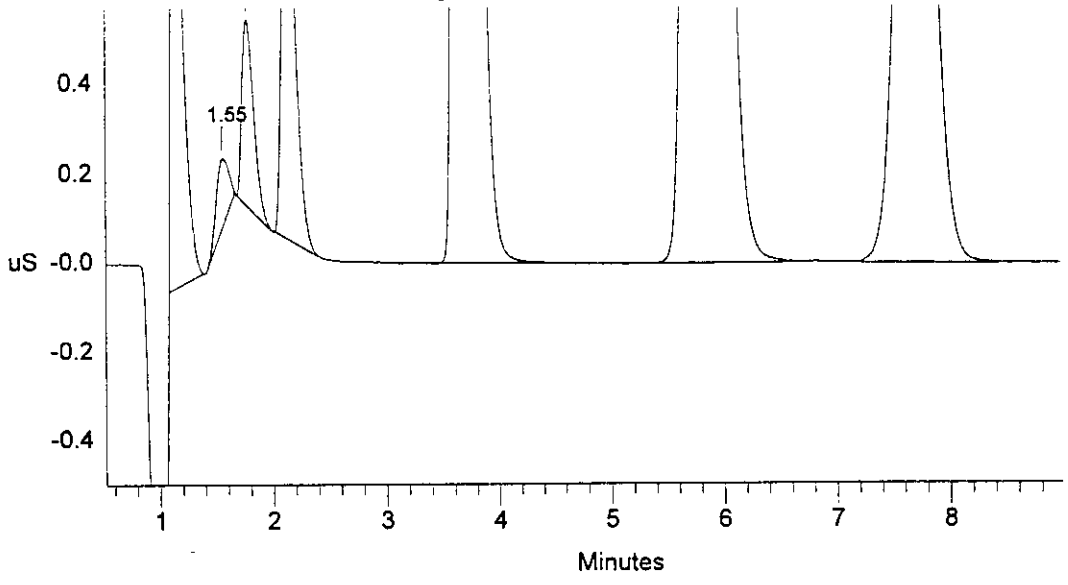
Sample Name: 96-2611-BS - A21	Date: 02/27/1996 14:20:51
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D25	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 25 Vial:A21	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	10	3000	5Hz	0.52	8.98	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	2.606	1185187	8447578	1	2.06
2	1.55		0.000	156588	1176600	1	
3	1.77	CHLORIDE	1.623	411008	3002268	1	0.00
4	2.13	NITRITE	6.391	902035	7428346	1	0.63
5	3.67	NITRATE	59.209	7102905	84006327	1	0.00
6	5.80	PHOSPHATE	205.744	10110317	162661780	1	-1.36
7	7.70	SULFATE	24.250	2211809	42065712	1	0.00
		Totals	299.823	22079849	308788611		

File: 96022711.D25 Sample: 96-2611-BS - A21



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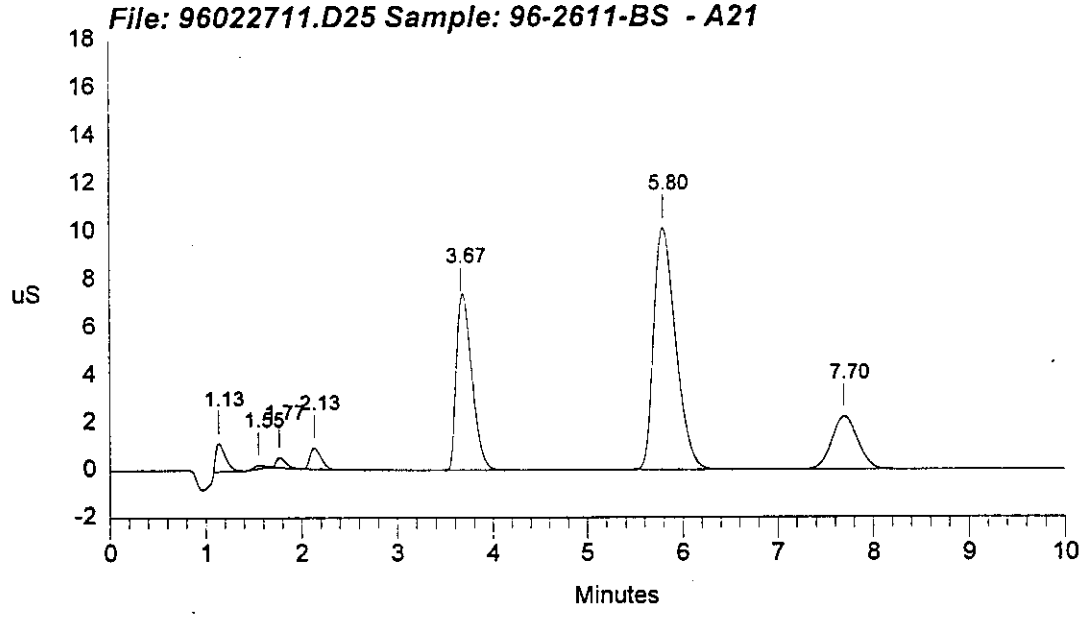
==============================================================================
| Sample Name: 96-2611-BS  - A21                Date: 02/27/1996 14:20:51     |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D25                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 25  Vial:A21        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	2.606	1185187	8447578	1	2.06
2	1.55		0.000	156588	1176600	1	
3	1.77	CHLORIDE	1.623	411008	3002268	1	0.00
4	2.13	NITRITE	5.786	893076	6366927	1	0.63
5	3.67	NITRATE	59.260	7104137	84083342	1	0.00
6	5.80	PHOSPHATE	205.747	10110491	162663827	1	-1.36
7	7.70	SULFATE	24.244	2211668	42055538	1	0.00
		Totals	299.265	22072155	307796080		



Data Reprocessed On 02/28/1996 10:56:58

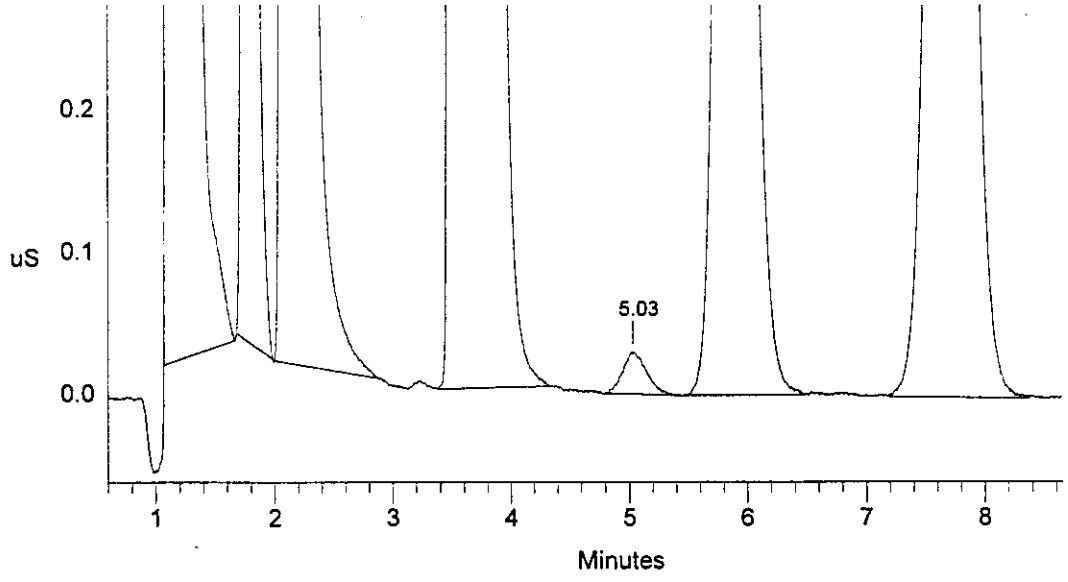
Sample Name: 96-2611/119.1A.W - A22	Date: 02/27/1996 14:32:24
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D26	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 26 Vial:A22	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.60	8.65	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	109.388	19694602	136088404	1	3.56
2	1.77	CHLORIDE	11.350	992287	7495510	1	0.00
3	2.13	NITRITE	258.434	15751835	134849229	1	0.63
4	3.57	NITRATE	817.300	29745170	404915620	1	-0.09
5	5.03		0.000	28300	412537	1	
6	5.87	PHOSPHATE	135.623	1736957	28168549	1	-1.03
7	7.70	SULFATE	63.612	1702062	32412979	1	0.00
		Totals	1395.707	69651214	744342829		

File: 96022711.D26 Sample: 96-2611/119.1A.W - A22



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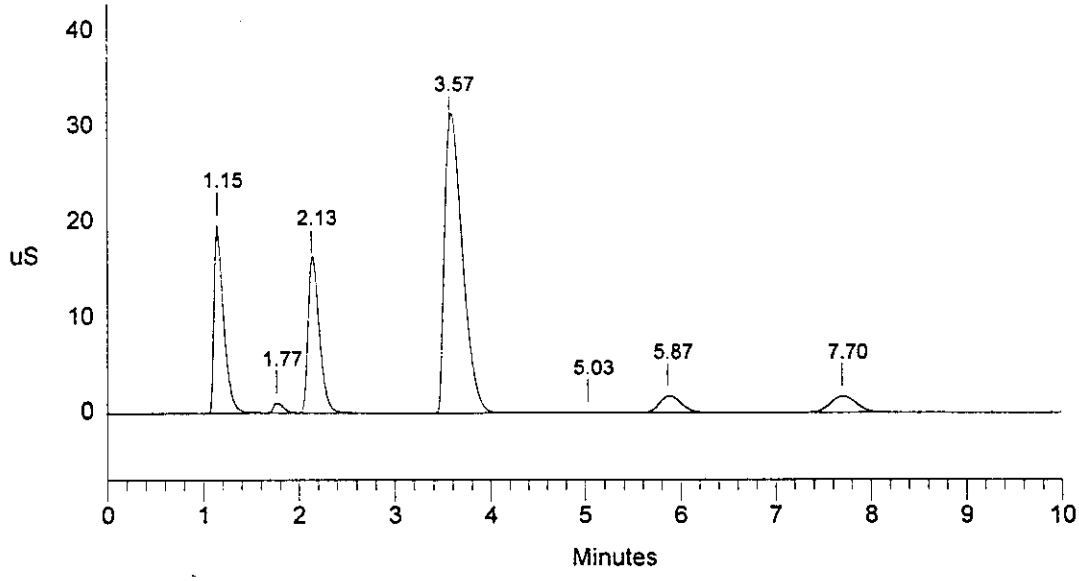
| Sample Name: 96-2611/119.1A.W  - A22        Date: 02/27/1996 14:32:24      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D26                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 26  Vial:A22        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	109.388	19694602	136088404	1	3.56
2	1.77	CHLORIDE	11.305	989562	7461169	1	0.00
3	2.13	NITRITE	258.673	15752442	134980713	1	0.63
4	3.57	BROMIDE	715.135	29745911	405063875	1	5.99
5	5.03		0.000	28300	412537	1	
6	5.87	PHOSPHATE	135.543	1736726	28150902	1	2.57
7	7.70	SULFATE	63.630	1702101	32423049	1	0.00
		Totals	1293.674	69649645	744580649		

File: 96022711.D26 Sample: 96-2611/119.1A.W - A22



Data Reprocessed On 02/28/1996 11:11:51

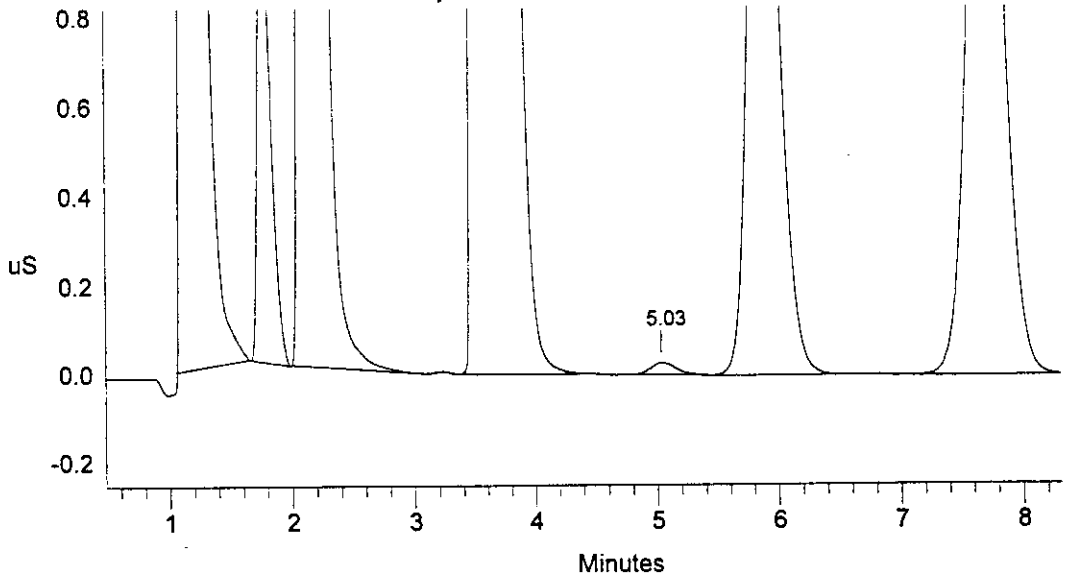
Sample Name:	DUP96-2611/119.1A.W - A23 Date: 02/27/1996 14:43:58
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D27
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 27 Vial:A23 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.47	8.31		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	123.064	21756513	154657606	1	3.56
2	1.77	CHLORIDE	11.694	1027471	7757070	1	0.00
3	2.13	NITRITE	269.956	16645971	141187631	1	0.63
4	3.57	NITRATE	850.138	32036582	424900394	1	-0.09
5	5.03		0.000	27901	402268	1	
6	5.87	PHOSPHATE	141.394	1813209	29433332	1	-1.03
7	7.70	SULFATE	66.464	1788784	34007568	1	0.00
		Totals	1462.710	75096431	792345870		

File: 96022711.D27 Sample: DUP96-2611/119.1A.W - A23



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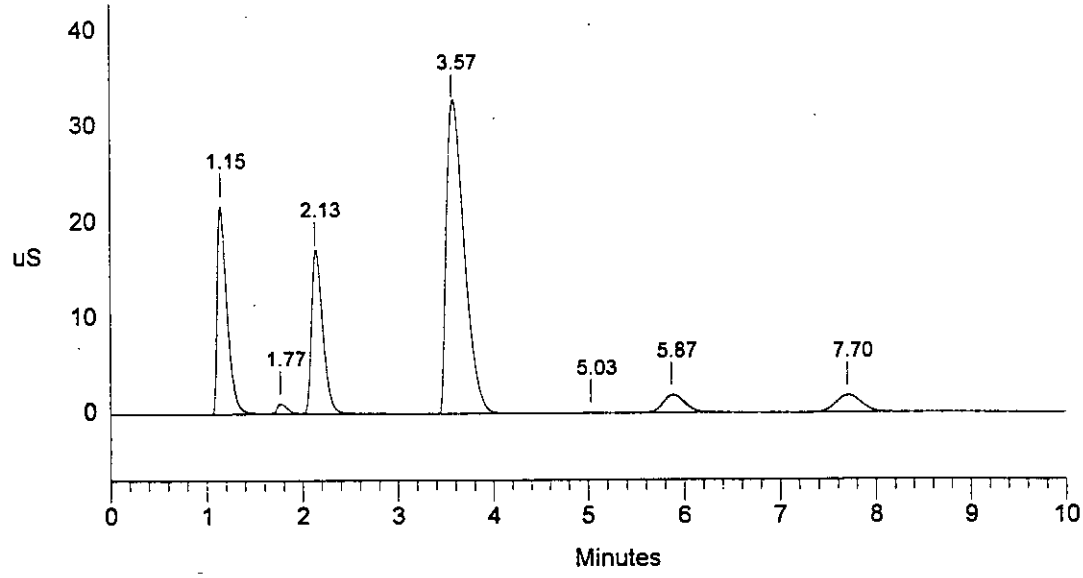
| Sample Name: DUP96-2611/119.1A.W  - A23     Date: 02/27/1996 14:43:58       |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D27                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 27  Vial:A23        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	123.064	21756513	154657606	1	3.56
2	1.77	CHLORIDE	11.694	1027471	7757070	1	0.00
3	2.13	NITRITE	270.005	16646070	141214595	1	0.63
4	3.57	BROMIDE	716.673	32036798	424949187	1	5.99
5	5.03		0.000	27901	402268	1	
6	5.87	PHOSPHATE	141.296	1812933	29411978	1	2.57
7	7.70	SULFATE	66.464	1788784	34007568	1	0.00
		Totals	1329.196	75096471	792400272		

File: 96022711.D27 Sample: DUP96-2611/119.1A.W - A23



Data Reprocessed On 02/28/1996 11:13:48

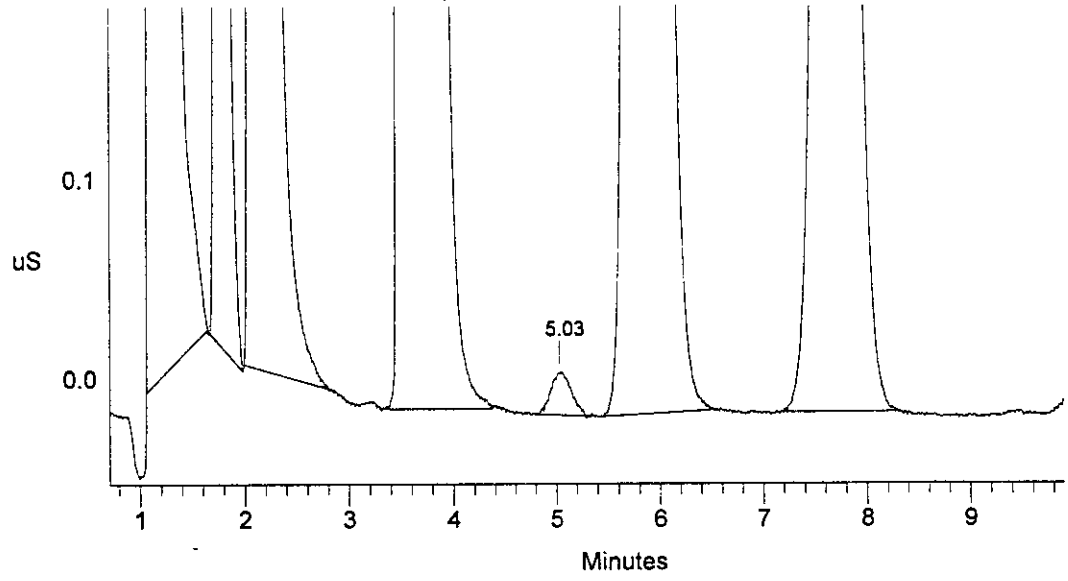
Sample Name: 96-2612/119.1B.W - A24	Date: 02/27/1996 14:55:32
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D28	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 28 Vial:A24	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.71	9.90	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	111.887	18483775	139456528	1	2.06
2	1.77	CHLORIDE	10.253	893089	6663404	1	0.00
3	2.13	NITRITE	226.902	14213356	117576509	1	0.63
4	3.57	NITRATE	735.562	26696539	356856941	1	-0.09
5	5.03		0.000	21234	302381	1	
6	5.83	PHOSPHATE	333.445	4526715	73047063	1	-1.59
7	7.70	SULFATE	60.494	1616895	30671172	1	0.00
		Totals	1478.544	66451605	724573998		

File: 96022711.D28 Sample: 96-2612/119.1B.W - A24



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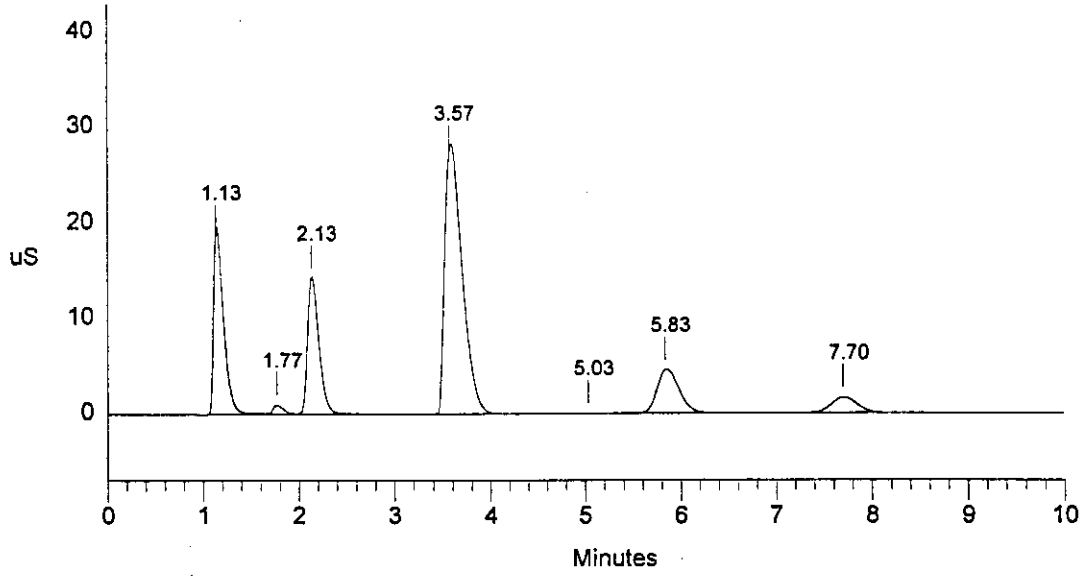
| Sample Name: 96-2612/119.1B.W  - A24        Date: 02/27/1996 14:55:32      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D28                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 28  Vial:A24        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	111.887	18483775	139456528	1	2.06
2	1.77	CHLORIDE	10.253	893089	6663404	1	0.00
3	2.13	NITRITE	226.988	14211517	117623348	1	0.63
4	3.57	BROMIDE	698.442	26697749	356995026	1	5.99
5	5.03		0.000	21234	302381	1	
6	5.83	PHOSPHATE	333.773	4527363	73124456	1	1.99
7	7.70	SULFATE	60.724	1618521	30799447	1	0.00
		Totals	1442.068	66453248	724964590		

File: 96022711.D28 Sample: 96-2612/119.1B.W - A24



Data Reprocessed On 02/28/1996 11:15:01

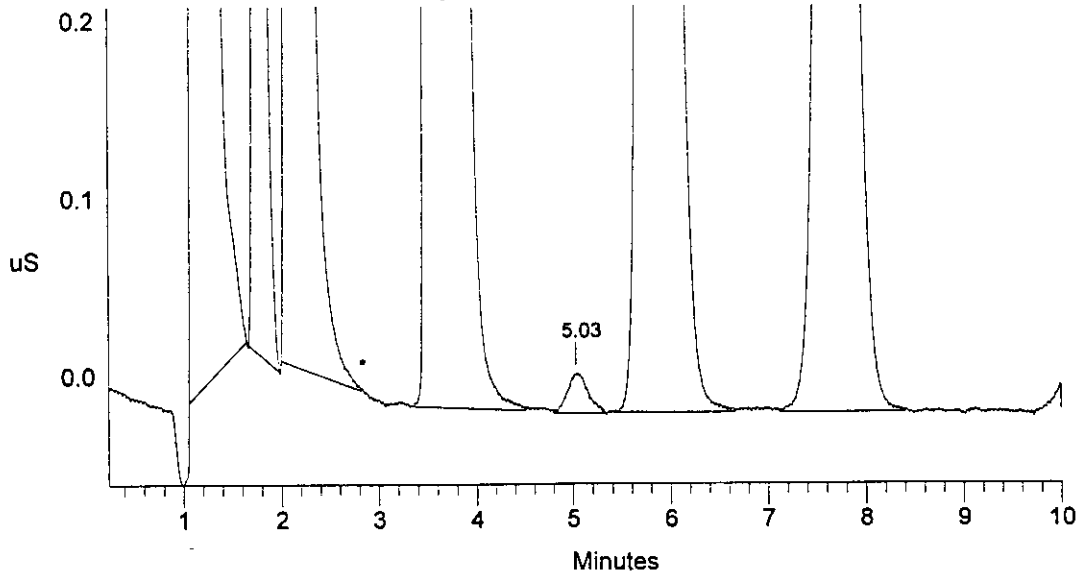
Sample Name:	DUP96-2612/119.1B.W - A25 Date: 02/27/1996 15:07:05
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D29
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 29 Vial:A25 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.24	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	106.746	17660368	132539575	1	2.06
2	1.77	CHLORIDE	10.209	888874	6630334	1	0.00
3	2.13	NITRITE	222.782	14004511	115327041	1	0.63
4	3.57	NITRATE	725.119	26268903	350877694	1	-0.09
5	5.03		0.000	21957	329147	1	
6	5.83	PHOSPHATE	310.519	4155883	67675815	1	-1.59
7	7.70	SULFATE	59.765	1589181	30264365	1	0.00
		Totals	1435.142	64589677	703643971		

File: 96022711.D29 Sample: DUP96-2612/119.1B.W - A25



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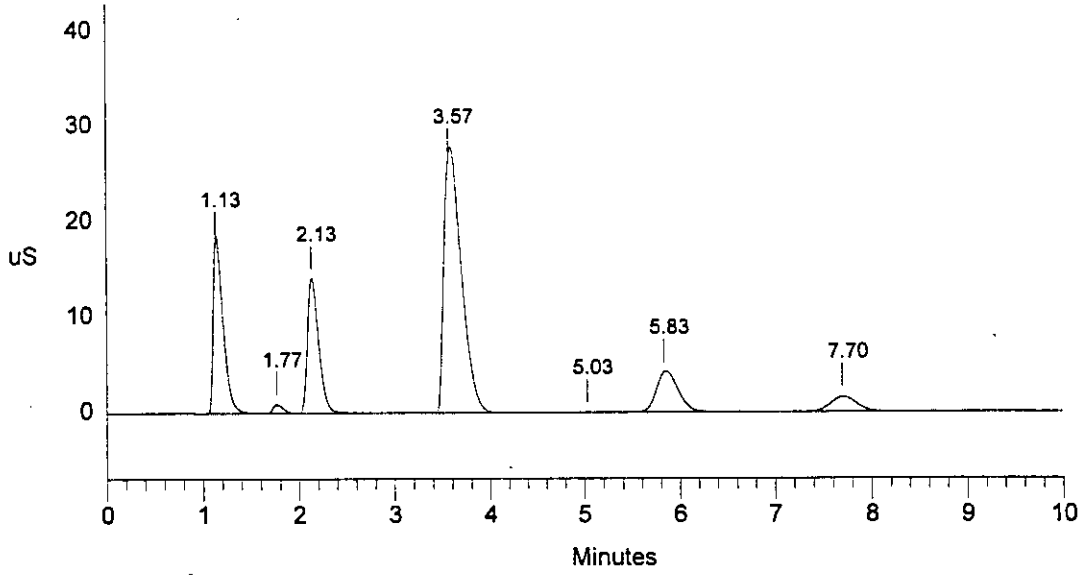
| Sample Name: DUP96-2612/119.1B.W  - A25      Date: 02/27/1996 15:07:05      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D29                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 29  Vial:A25        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	106.746	17660368	132539575	1	2.06
2	1.77	CHLORIDE	10.209	888874	6630334	1	0.00
3	2.13	NITRITE	223.001	14005064	115446678	1	0.63
4	3.57	BROMIDE	695.019	26268950	350907996	1	5.99
5	5.03		0.000	21957	329147	1	
6	5.83	PHOSPHATE	310.519	4155883	67675815	1	1.99
7	7.70	SULFATE	59.758	1589115	30260315	1	0.00
		Totals	1405.254	64590211	703789860		

File: 96022711.D29 Sample: DUP96-2612/119.1B.W - A25



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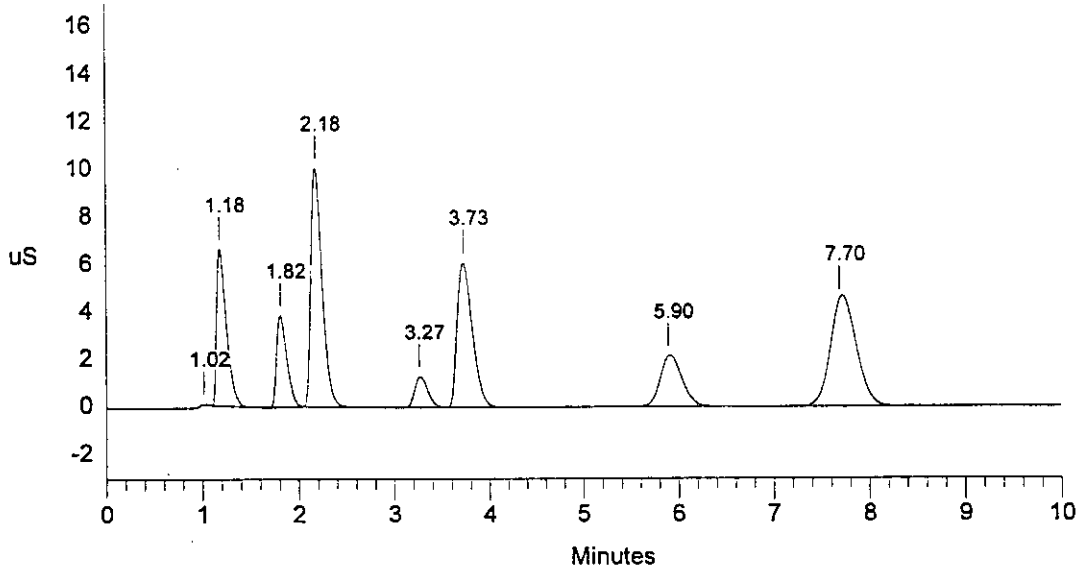
==============================================================================
| Sample Name: A960123V1/LO  - A05            Date: 02/27/1996 15:18:31      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D30                         |
| Method     : c:\dx\method\lanions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 30  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	2	3000	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	38523	188703	2	
2	1.18	FLUORIDE	23.813	6554146	46199894	2	3.63
3	1.82	CHLORIDE	23.086	3854102	28460992	1	0.00
4	2.18	NITRITE	96.110	10019322	81370275	1	0.15
5	3.27	BROMIDE	24.477	1274591	12226863	1	-5.60
6	3.73	NITRATE	95.368	6055651	66686924	1	0.00
7	5.90	PHOSPHATE	97.547	2117009	34098220	1	-1.45
8	7.70	SULFATE	96.009	4517507	87187307	1	0.00
		Totals	456.410	34430850	356419178		

File: 96022711.D30 Sample: A960123V1/LO - A05



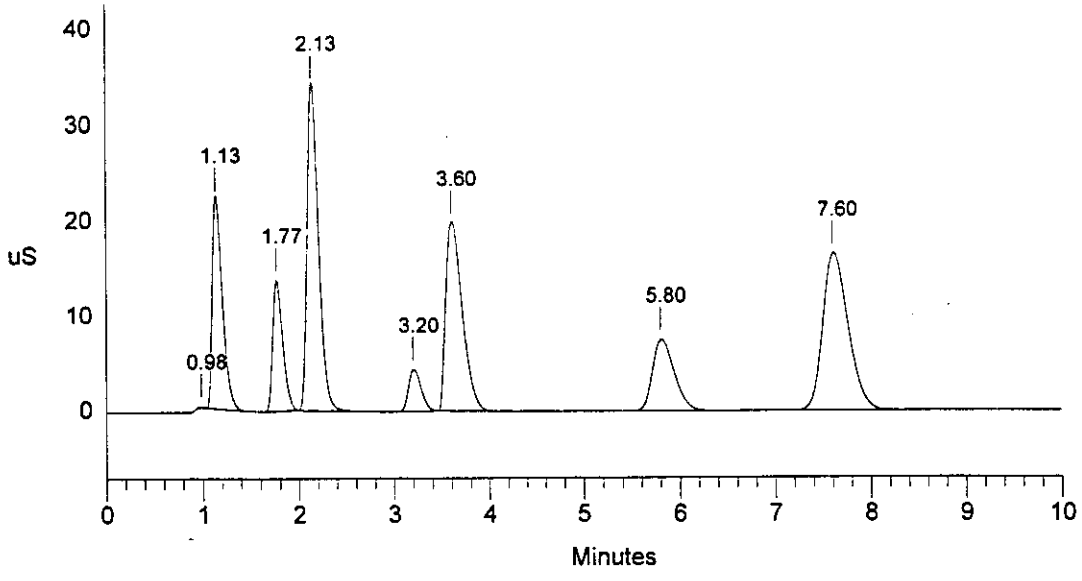
```
==============================================================================
| Sample Name: A960123V2/MID  - A05          Date: 02/27/1996 15:30:09        |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D31                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 31  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	112954	442656	2	
2	1.13	FLUORIDE	25.850	21951253	163172083	2	2.06
3	1.77	CHLORIDE	24.632	13726899	99530311	1	0.00
4	2.13	NITRITE	104.311	33719926	283327746	1	0.63
5	3.20	BROMIDE	25.801	4352362	40086486	1	-4.91
6	3.60	NITRATE	103.352	19714694	238075040	1	0.00
7	5.80	PHOSPHATE	104.360	7436811	119144430	1	0.47
8	7.60	SULFATE	103.542	16436735	308944557	1	0.00
		Totals	491.848	117451633	1252723310		

File: 96022711.D31 Sample: A960123V2/MID - A05



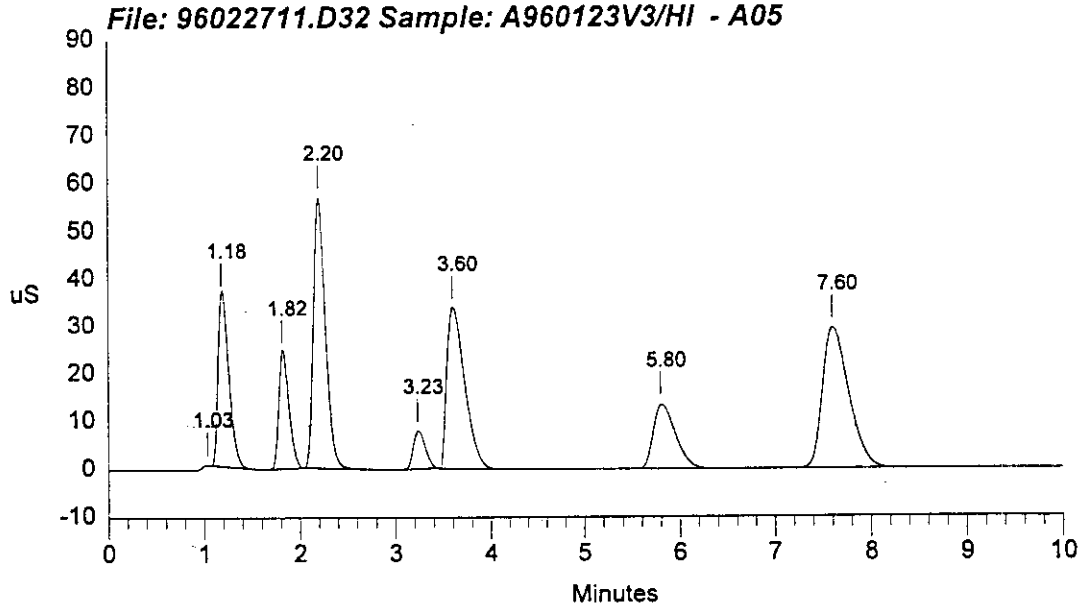
Data Reprocessed On 02/28/1996 11:16:06

Sample Name: A960123V3/HI - A05	Date: 02/27/1996 15:41:59
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D32	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 32 Vial:A05	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	2	3000	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		0.000	68395	150483	1	
2	1.18	FLUORIDE	25.609	35775207	287082646	1	-3.40
3	1.82	CHLORIDE	24.733	24294362	180650486	1	0.00
4	2.20	NITRITE	103.706	56546521	490043687	1	0.92
5	3.23	BROMIDE	25.509	7747172	68486806	1	-3.57
6	3.60	NITRATE	103.875	33577334	434468734	1	0.00
7	5.80	PHOSPHATE	104.512	13192806	216732268	1	-2.25
8	7.60	SULFATE	103.729	29441457	563950416	1	0.00
		Totals	491.673	200643255	2241565527		



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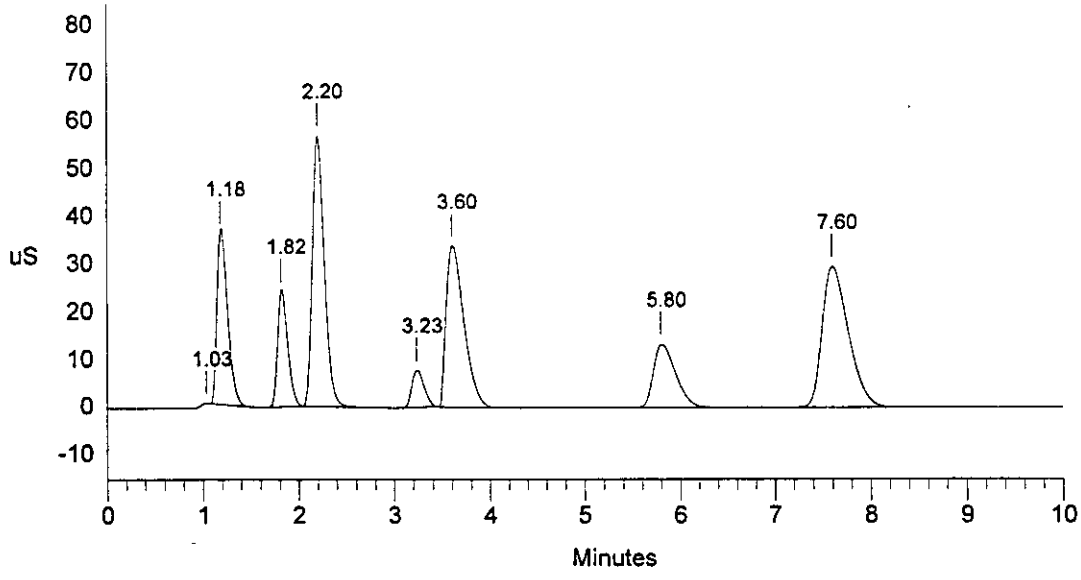
==============================================================================
| Sample Name: A960123V3/HI  - A05            Date: 02/27/1996 15:41:59      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D32                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 32  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	68395	150483	1	
2	1.18	FLUORIDE	25.609	35775207	287082646	1	3.63
3	1.82	CHLORIDE	24.733	24294362	180650486	1	0.00
4	2.20	NITRITE	103.706	56546521	490043687	1	0.92
5	3.23		0.000	7747172	68486806	1	
6	3.60	BROMIDE	85.956	33577334	434468734	1	4.04
7	5.80	PHOSPHATE	104.512	13192806	216732268	1	0.47
8	7.60	SULFATE	103.729	29441457	563950416	1	0.00
		Totals	448.245	200643255	2241565527		

File: 96022711.D32 Sample: A960123V3/HI - A05



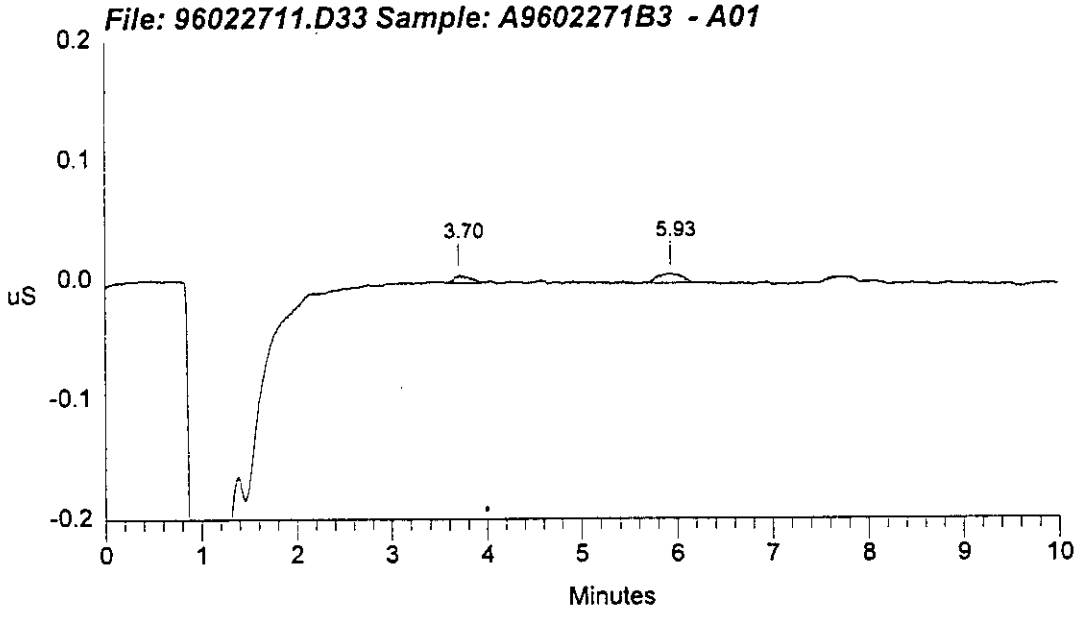
Data Reprocessed On 02/28/1996 11:16:58

Sample Name: A9602271B3 - A01	Date: 02/27/1996 15:54:05
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D33	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 33 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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	3.70	NITRATE	0.193	5524	69610	1	0.00
2	5.93	PHOSPHATE	0.145	7174	134603	1	0.00
		Totals	0.338	12698	204213		

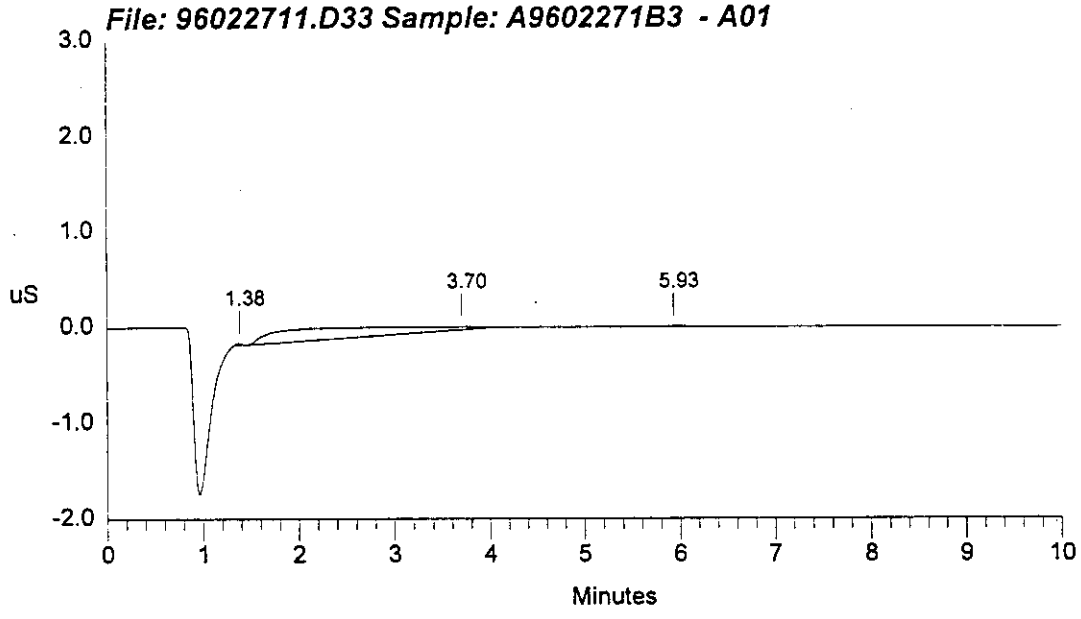


```
==============================================================================
| Sample Name: A9602271B3  - A01                Date: 02/27/1996 15:54:05     |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D33                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 33  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.38		0.000	19906	79914	1	
2	3.70	NITRATE	1.009	33371	11704757	1	0.00
3	5.93	PHOSPHATE	0.145	7174	134603	1	0.00
		Totals	1.153	60451	11919274		



Data Reprocessed On 02/28/1996 11:18:51

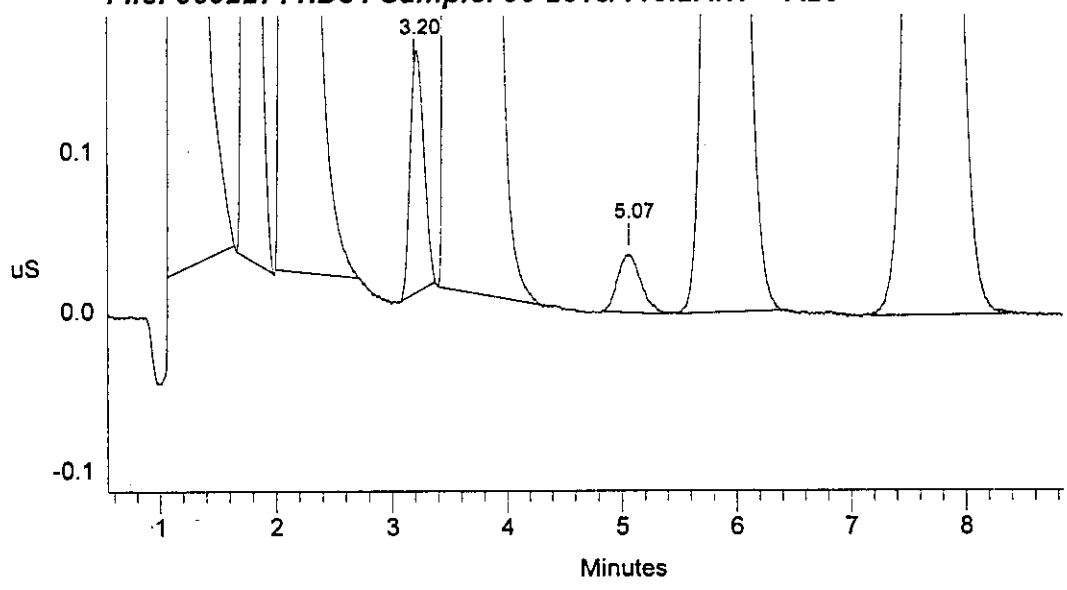
Sample Name: 96-2613/119.2A.W - A26	Date: 02/27/1996 16:05:34
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D34	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 34 Vial:A26	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.54	8.85	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	129.295	22988135	163232895	1	3.56
2	1.77	CHLORIDE	11.347	997626	7493497	1	0.00
3	2.13	NITRITE	267.986	16780118	140102450	1	0.63
4	3.20	BROMIDE	4.271	138000	1227421	1	-4.91
5	3.57	NITRATE	812.980	31191794	402316725	1	0.00
6	5.07		0.000	35837	511040	1	
7	5.87	PHOSPHATE	123.835	1546955	25592264	1	2.57
8	7.70	SULFATE	67.082	1800559	34353536	1	0.00
		Totals	1416.796	75479025	774829829		

File: 96022711.D34 Sample: 96-2613/119.2A.W - A26



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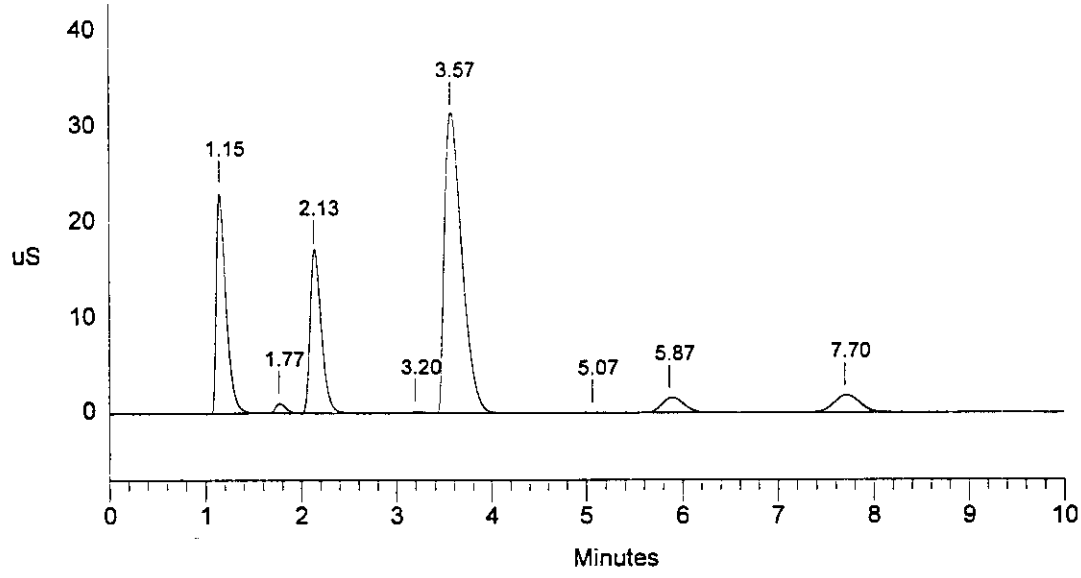
==============================================================================
| Sample Name: 96-2613/119.2A.W  - A26        Date: 02/27/1996 16:05:34      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D34                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 34  Vial:A26        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	129.295	22988135	163232895	1	3.56
2	1.77	CHLORIDE	11.347	997626	7493497	1	0.00
3	2.13	NITRITE	268.466	16781917	140366932	1	0.63
4	3.20	BROMIDE	4.089	135378	1173224	1	-4.91
5	3.57	NITRATE	812.953	31191747	402300453	1	0.00
6	5.07		0.000	35837	511040	1	
7	5.87	PHOSPHATE	124.186	1547868	25668957	1	2.57
8	7.70	SULFATE	67.143	1800847	34387855	1	0.00
		Totals	1417.479	75479355	775134853		

File: 96022711.D34 Sample: 96-2613/119.2A.W - A26



Data Reprocessed On 02/28/1996 11:20:45

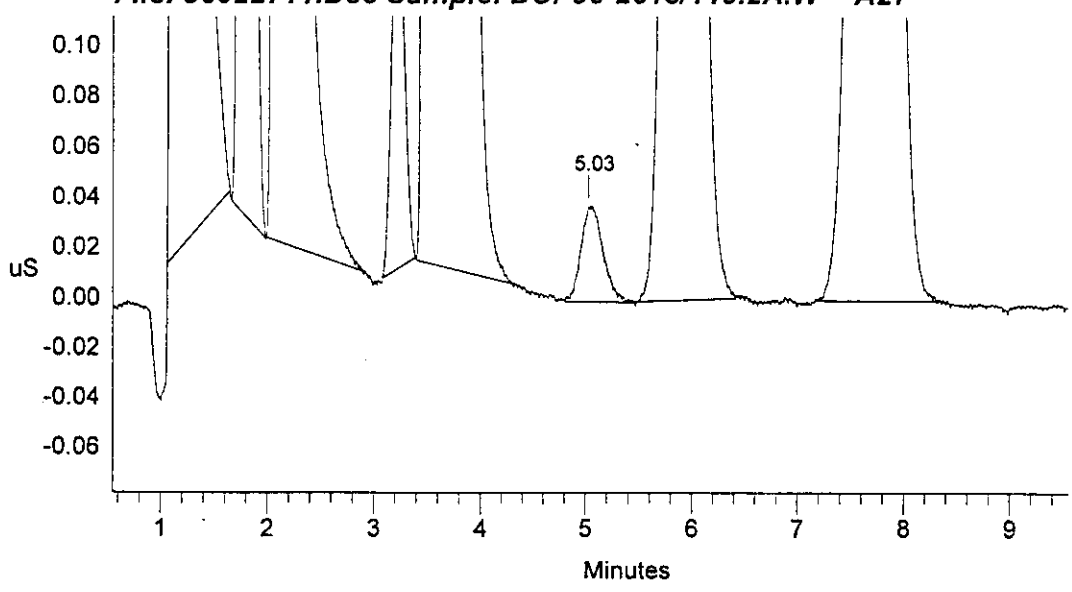
Sample Name: DUP96-2613/119.2A.W - A27	Date: 02/27/1996 16:17:03
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D35	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 35 Vial:A27	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.55	9.55	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	141.614	25438858	180402186	1	3.56
2	1.77	CHLORIDE	11.302	998185	7459025	1	0.00
3	2.13	NITRITE	269.097	16913127	140714466	1	0.63
4	3.20	BROMIDE	4.385	139128	1261114	1	-4.91
5	3.57	NITRATE	813.459	31249552	402604598	1	0.00
6	5.03		0.000	37158	545422	1	
7	5.87	PHOSPHATE	122.012	1531591	25194790	1	2.57
8	7.70	SULFATE	67.652	1824236	34672703	1	0.00
		Totals	1429.520	78131836	792854306		

File: 96022711.D35 Sample: DUP96-2613/119.2A.W - A27



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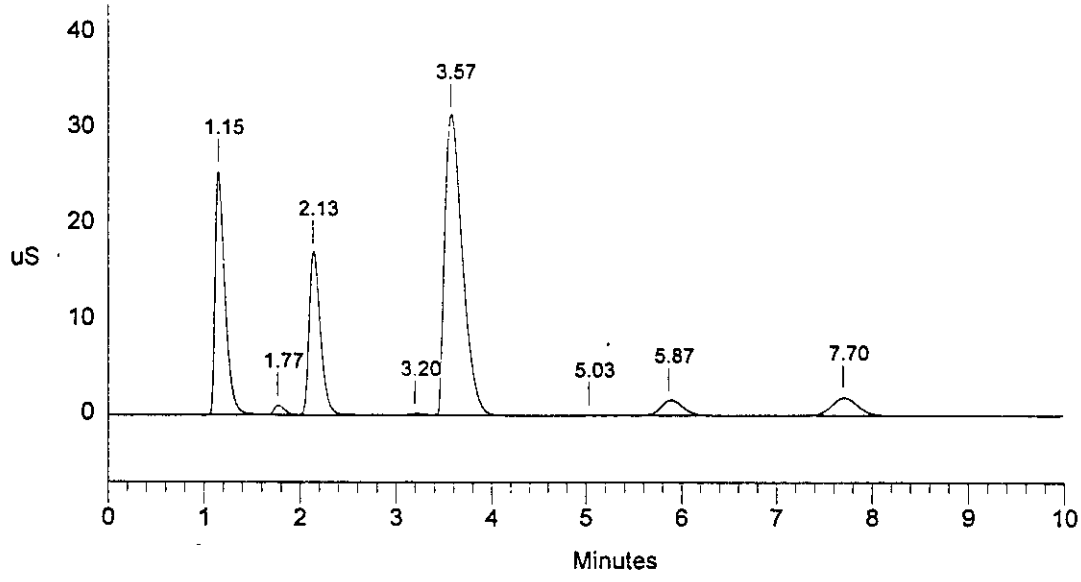
==============================================================================
| Sample Name: DUP96-2613/119.2A.W  - A27     Date: 02/27/1996 16:17:03      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D35                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 35  Vial:A27        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	141.614	25438858	180402186	1	3.56
2	1.77	CHLORIDE	11.302	998185	7459025	1	0.00
3	2.13	NITRITE	269.112	16910253	140722587	1	0.63
4	3.20	BROMIDE	4.184	136547	1201478	1	-4.91
5	3.57	NITRATE	813.595	31249891	402686295	1	0.00
6	5.03		0.000	37158	545422	1	
7	5.87	PHOSPHATE	122.169	1531928	25229167	1	2.57
8	7.70	SULFATE	67.885	1825814	34802789	1	0.00
		Totals	1429.860	78128634	793048949		

File: 96022711.D35 Sample: DUP96-2613/119.2A.W - A27



Data Reprocessed On 02/28/1996 11:22:24

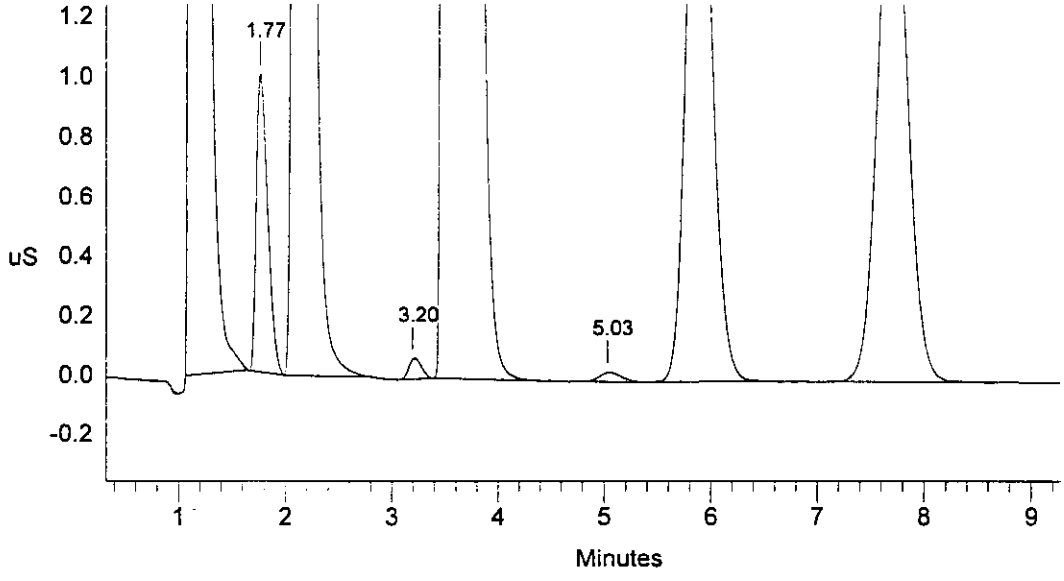
Sample Name: 96-2614/119.2B.W - A28	Date: 02/27/1996 16:28:33
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D36	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 36 Vial:A28	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.32	9.28	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	110.970	19407855	138218741	1	3.56
2	1.77	CHLORIDE	11.283	993880	7444663	1	0.00
3	2.13	NITRITE	261.845	16542798	136724120	1	0.63
4	3.20	BROMIDE	2.071	66405	573921	1	-4.91
5	3.57	NITRATE	807.749	30990909	399178893	1	0.00
6	5.03		0.000	30368	448661	1	
7	5.87	PHOSPHATE	173.106	2273046	36429158	1	2.57
8	7.70	SULFATE	68.951	1861849	35399559	1	0.00
		Totals	1435.973	72167110	754417717		

File: 96022711.D36 Sample: 96-2614/119.2B.W - A28



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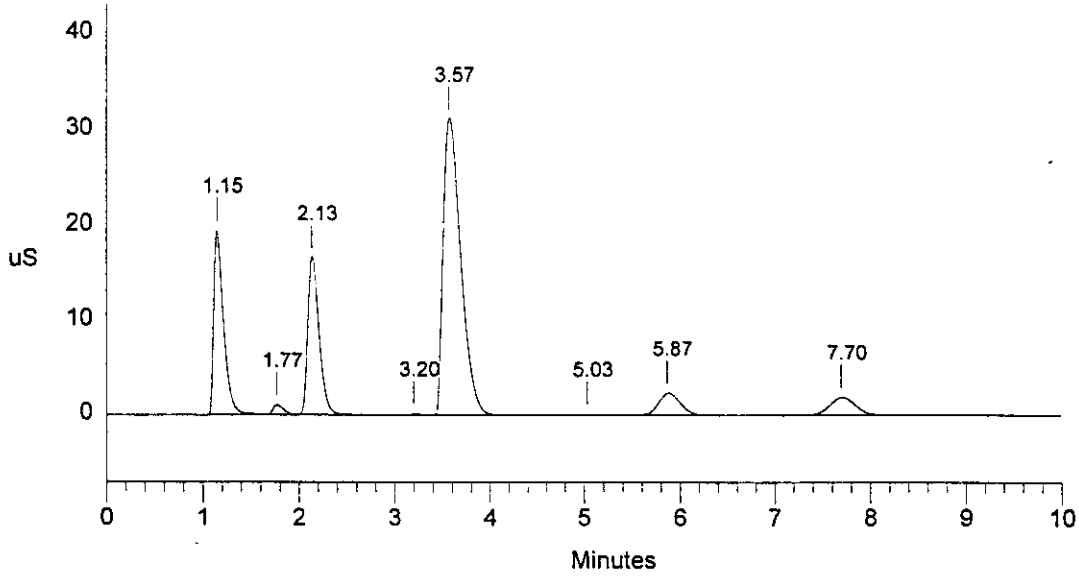
==========================================================================
| Sample Name: 96-2614/119.2B.W  - A28        Date: 02/27/1996 16:28:33    |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D36                       |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 36  Vial:A28        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	110.970	19407855	138218741	1	3.56
2	1.77	CHLORIDE	11.283	993880	7444663	1	0.00
3	2.13	NITRITE	261.647	16535411	136615532	1	0.63
4	3.20	BROMIDE	2.005	65543	554189	1	-4.91
5	3.57	NITRATE	807.804	30991024	399212409	1	0.00
6	5.03		0.000	30368	448661	1	
7	5.87	PHOSPHATE	173.106	2273046	36429158	1	2.57
8	7.70	SULFATE	69.114	1862681	35490984	1	0.00
		Totals	1435.929	72159808	754414338		

File: 96022711.D36 Sample: 96-2614/119.2B.W - A28



Data Reprocessed On 02/28/1996 11:23:47

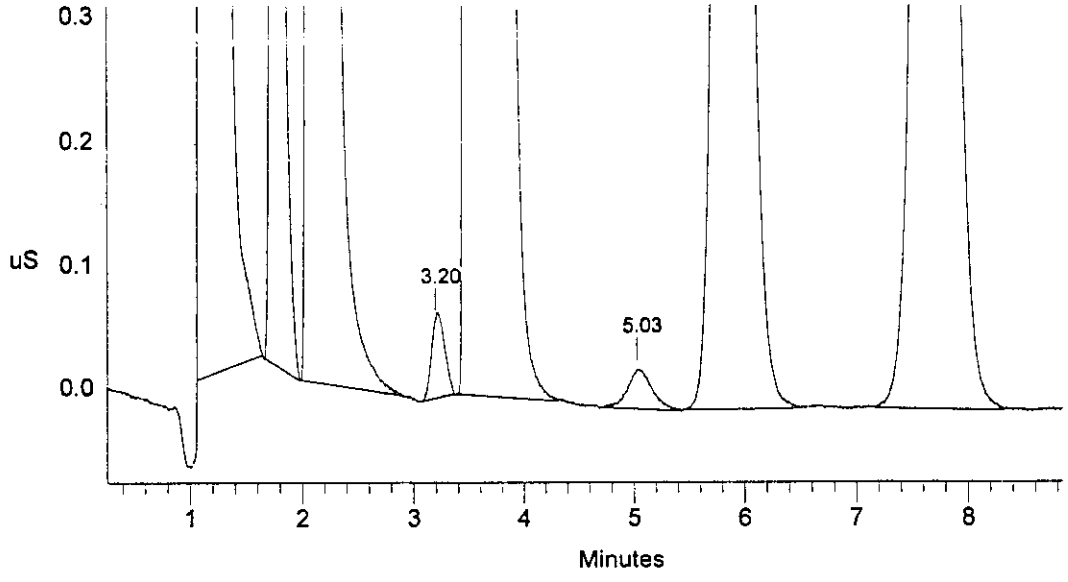
Sample Name:	DUP96-2614/119.2B.W - A29 Date: 02/27/1996 16:40:01
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D37
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 37 Vial:A29 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.26	8.85	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	112.027	18303976	139645378	1	2.06
2	1.77	CHLORIDE	11.210	991230	7389136	1	0.00
3	2.13	NITRITE	256.242	16171951	133645033	1	0.63
4	3.20	BROMIDE	2.031	63188	562066	1	-4.91
5	3.57	NITRATE	790.979	30211923	389186925	1	0.00
6	5.03		0.000	31804	493566	1	
7	5.87	PHOSPHATE	167.332	2186646	35149853	1	2.57
8	7.70	SULFATE	67.624	1826284	34656852	1	0.00
		Totals	1407.445	69787002	740728808		

File: 96022711.D37 Sample: DUP96-2614/119.2B.W - A29



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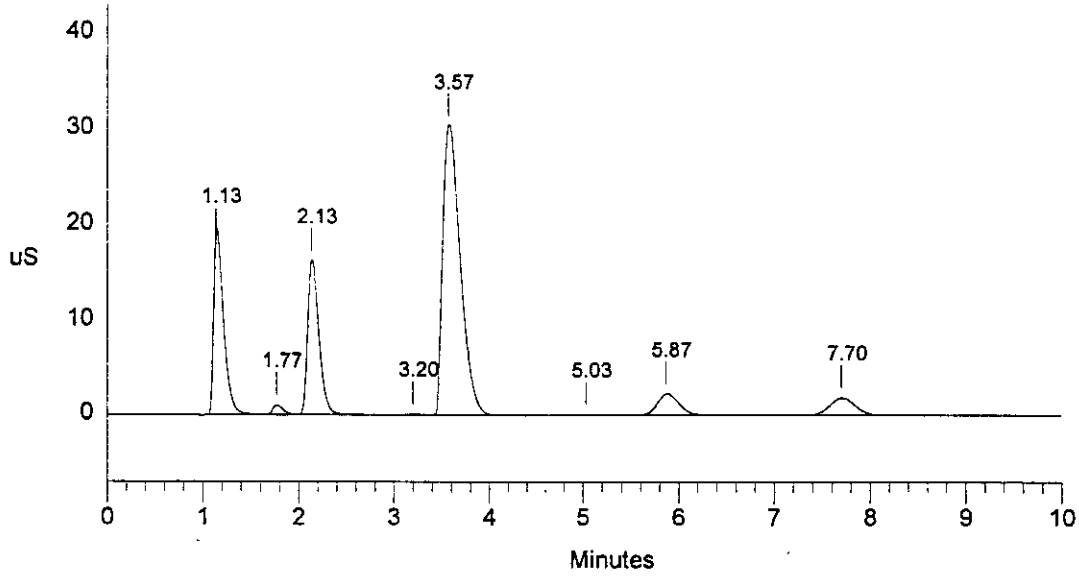
| Sample Name: DUP96-2614/119.2B.W  - A29     Date: 02/27/1996 16:40:01      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D37                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 37  Vial:A29        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	112.027	18303976	139645378	1	2.06
2	1.77	CHLORIDE	11.210	991230	7389136	1	0.00
3	2.13	NITRITE	256.008	16166593	133516837	1	0.63
4	3.20	BROMIDE	2.031	63188	562066	1	-4.91
5	3.57	NITRATE	791.123	30212296	389272253	1	0.00
6	5.03		0.000	31804	493566	1	
7	5.87	PHOSPHATE	167.332	2186646	35149853	1	2.57
8	7.70	SULFATE	67.638	1826263	34664937	1	0.00
		Totals	1407.370	69781996	740694026		

File: 96022711.D37 Sample: DUP96-2614/119.2B.W - A29



Data Reprocessed On 02/28/1996 11:25:26

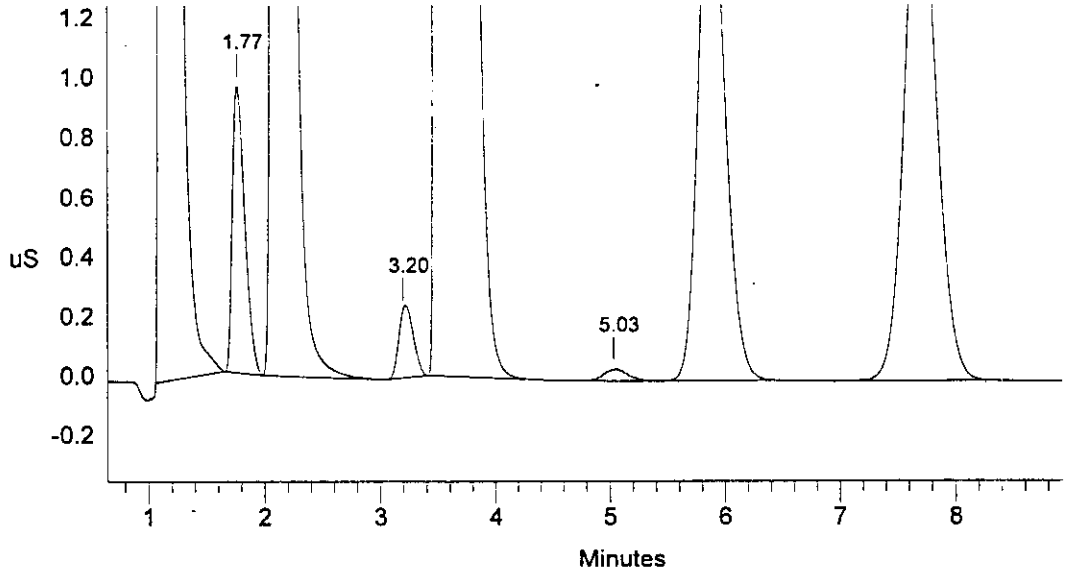
Sample Name:	96-2615/119.3A.W - A30 Date: 02/27/1996 16:51:29
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D38
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 38 Vial:A30 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.65	8.93	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	106.394	17844239	132066869	1	2.06
2	1.77	CHLORIDE	10.876	958580	7135732	1	0.00
3	2.13	NITRITE	257.108	16282913	134120816	1	0.63
4	3.20	BROMIDE	7.152	227926	2084653	1	-4.91
5	3.57	NITRATE	764.534	28820467	373629917	1	0.00
6	5.03		0.000	38743	587918	1	
7	5.87	PHOSPHATE	137.689	1779606	28621067	1	2.57
8	7.70	SULFATE	65.407	1767028	33416786	1	0.00
		Totals	1349.160	67719501	711663758		

File: 96022711.D38 Sample: 96-2615/119.3A.W - A30



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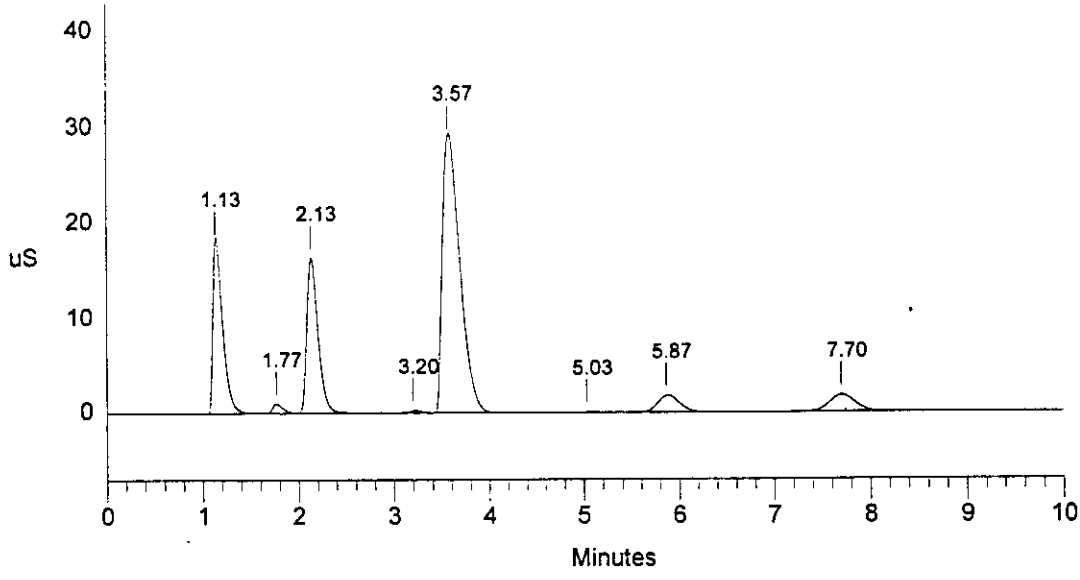
| Sample Name: 96-2615/119.3A.W  - A30        Date: 02/27/1996 16:51:29      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D38                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 38  Vial:A30        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	106.394	17844239	132066869	1	2.06
2	1.77	CHLORIDE	10.876	958580	7135732	1	0.00
3	2.13	NITRITE	256.576	16273350	133828629	1	0.63
4	3.20	BROMIDE	7.152	227926	2084653	1	-4.91
5	3.57	NITRATE	762.665	28793949	372539375	1	0.00
6	5.03		0.000	38743	587918	1	
7	5.87	PHOSPHATE	138.433	1781578	28784156	1	2.57
8	7.70	SULFATE	65.496	1767622	33466183	1	0.00
		Totals	1347.592	67685987	710493515		

File: 96022711.D38 Sample: 96-2615/119.3A.W - A30



Data Reprocessed On 02/28/1996 11:27:09

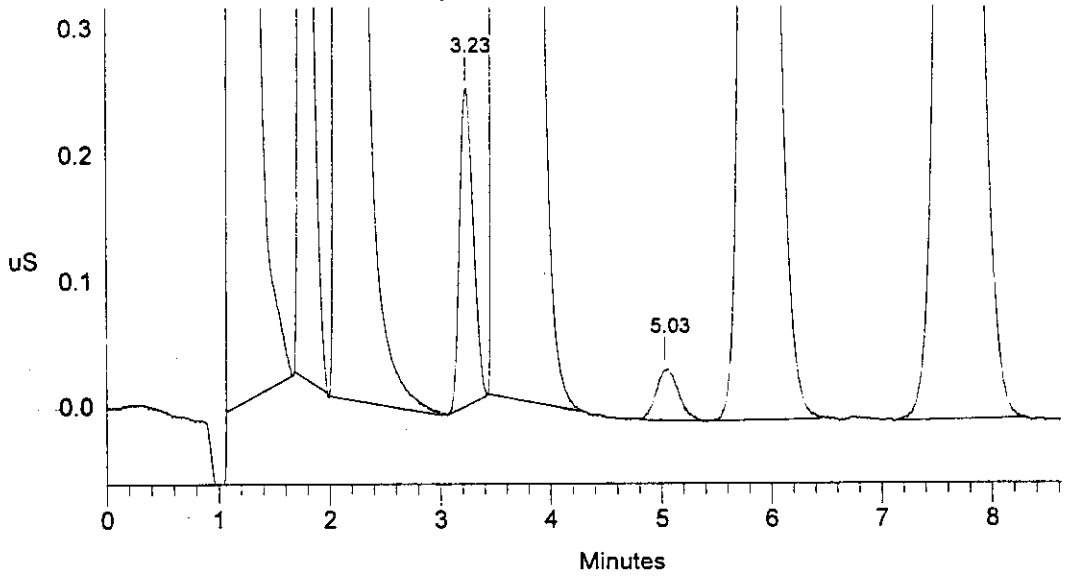
Sample Name:	DUP96-2615/119.3A.W - A31 Date: 02/27/1996 17:02:58
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D39
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 39 Vial:A31 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.00	8.62	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	104.909	18224682	130078796	1	3.56
2	1.77	CHLORIDE	10.844	930288	7111222	1	0.00
3	2.15	NITRITE	261.445	16668331	136504140	1	1.42
4	3.23	BROMIDE	7.374	249874	2150633	1	-3.92
5	3.60	NITRATE	775.348	29782348	379962522	1	0.00
6	5.03		0.000	39393	570224	1	
7	5.87	PHOSPHATE	143.432	1836276	29880802	1	1.62
8	7.70	SULFATE	66.122	1778651	33816249	1	0.00
		Totals	1369.474	69509843	720074588		

File: 96022711.D39 Sample: DUP96-2615/119.3A.W - A31



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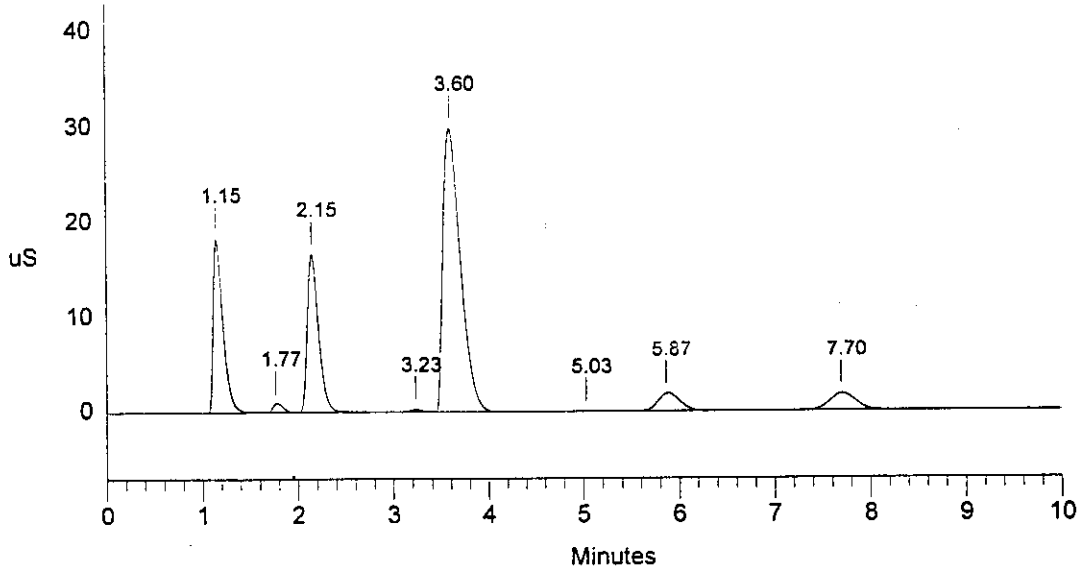
| Sample Name: DUP96-2615/119.3A.W  - A31     Date: 02/27/1996 17:02:58       |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D39                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 39  Vial:A31        Detector:PED-Cond.  |
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	104.909	18224682	130078796	1	3.56
2	1.77	CHLORIDE	10.844	930288	7111222	1	0.00
3	2.15	NITRITE	261.445	16668331	136504140	1	1.42
4	3.23	BROMIDE	7.136	246544	2079678	1	-3.92
5	3.60	NITRATE	775.440	29782620	380016388	1	0.00
6	5.03		0.000	39393	570224	1	
7	5.87	PHOSPHATE	143.770	1837339	29954908	1	1.62
8	7.70	SULFATE	66.229	1779505	33876519	1	0.00
		Totals	1369.772	69508702	720191873		

File: 96022711.D39 Sample: DUP96-2615/119.3A.W - A31



Data Reprocessed On 02/28/1996 11:28:56

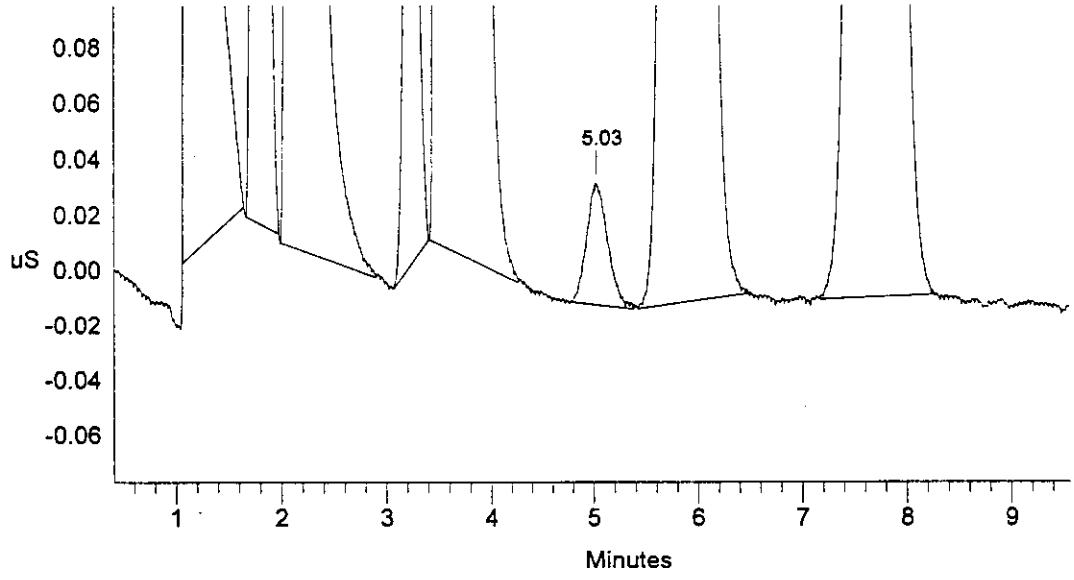
Sample Name: MS96-2615/119.3A.W - A32	Date: 02/27/1996 17:14:25
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D40	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 40 Vial:A32	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.40	9.56	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	87.257	14906387	106723483	1	3.56
2	1.77	CHLORIDE	12.466	1091394	8343414	1	0.00
3	2.15	NITRITE	281.824	18012432	147730627	1	1.42
4	3.23	BROMIDE	7.712	264451	2251530	1	-3.92
5	3.57	NITRATE	872.951	32391017	439032099	1	0.00
6	5.03		0.000	43891	609773	1	
7	5.83	PHOSPHATE	348.216	4773491	76533581	1	1.99
8	7.70	SULFATE	92.615	2585040	48702811	1	0.00
		Totals	1703.041	74068103	829927319		

File: 96022711.D40 Sample: MS96-2615/119.3A.W - A32



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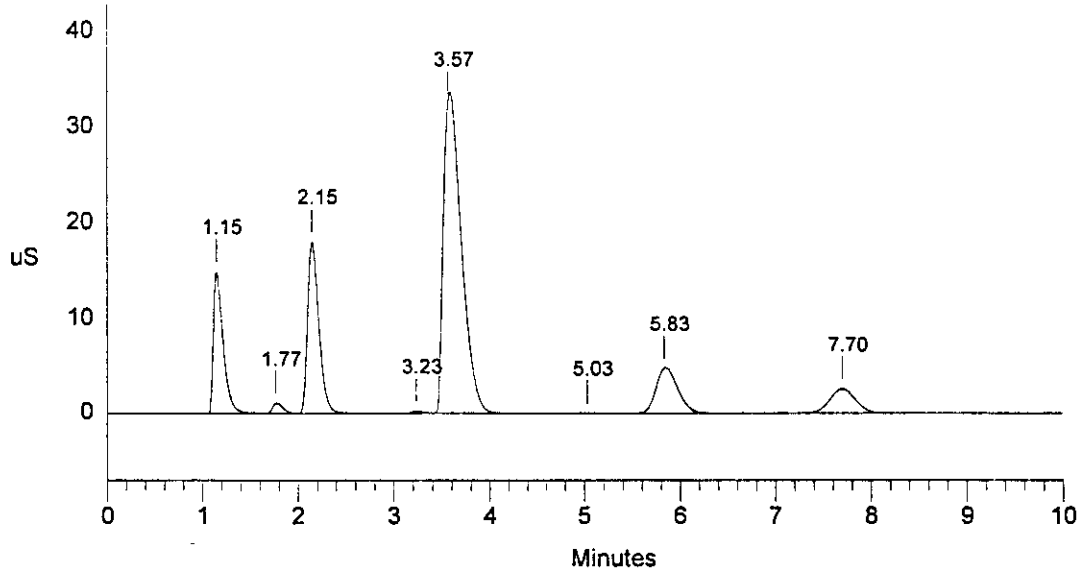
| Sample Name: MS96-2615/119.3A.W  - A32      Date: 02/27/1996 17:14:25      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D40                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 40  Vial:A32        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	87.257	14906387	106723483	1	3.56
2	1.77	CHLORIDE	12.466	1091394	8343414	1	0.00
3	2.15	NITRITE	281.978	18012825	147815491	1	1.42
4	3.23	BROMIDE	7.502	261409	2188754	1	-3.92
5	3.57	NITRATE	872.160	32381113	438538729	1	0.00
6	5.03		0.000	43891	609773	1	
7	5.83	PHOSPHATE	348.871	4774924	76688618	1	1.99
8	7.70	SULFATE	92.615	2585040	48702811	1	0.00
		Totals	1702.849	74056984	829611073		

File: 96022711.D40 Sample: MS96-2615/119.3A.W - A32



Data Reprocessed On 02/28/1996 11:30:49

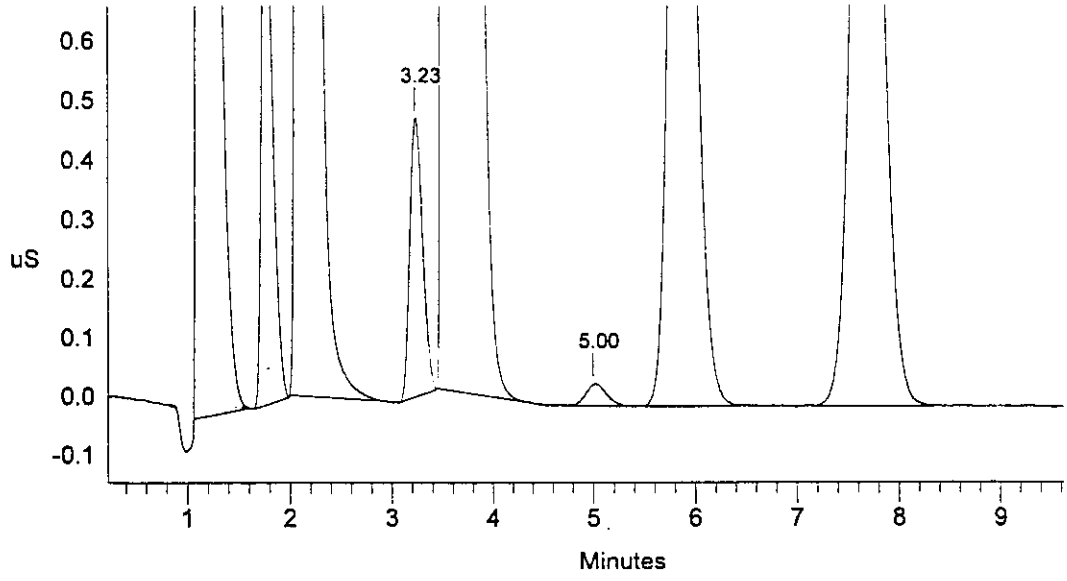
Sample Name: 96-2616/119.3B.W - A33	Date: 02/27/1996 17:25:57
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D41	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 41 Vial:A33	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.22	9.62	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	115.068	20358127	143759404	1	3.56
2	1.77	CHLORIDE	10.681	911137	6988037	1	0.00
3	2.13	NITRITE	249.708	15300422	130058493	1	0.63
4	3.23	BROMIDE	13.915	466504	4103764	1	-3.92
5	3.60	NITRATE	747.281	28398644	363608075	1	0.00
6	5.00		0.000	34140	516046	1	
7	5.87	PHOSPHATE	143.461	1877601	29887158	1	1.62
8	7.67	SULFATE	66.313	1738446	33923089	1	0.00
		Totals	1346.426	69085022	712844067		

File: 96022711.D41 Sample: 96-2616/119.3B.W - A33



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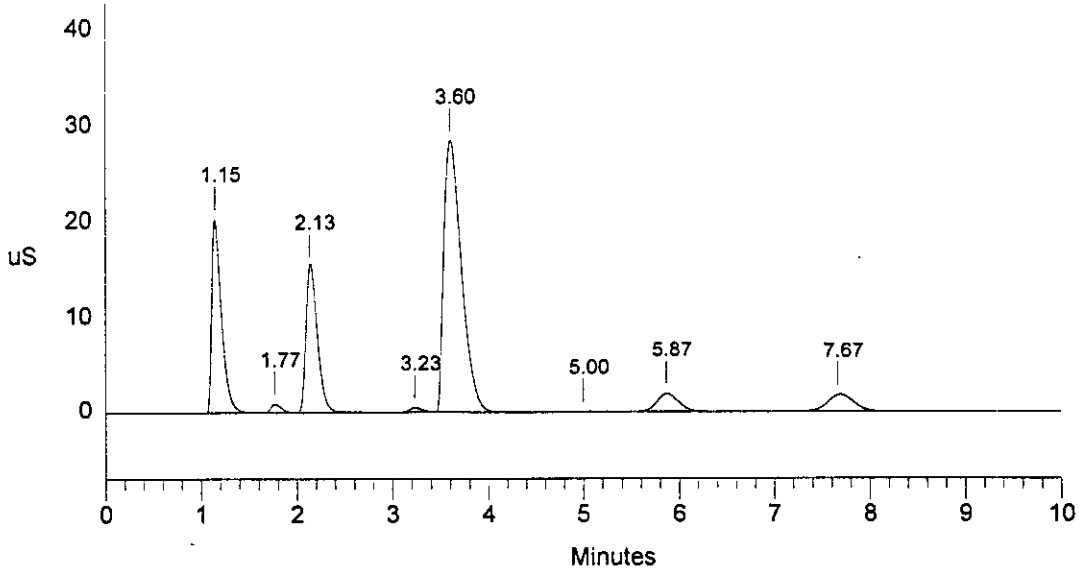
| Sample Name: 96-2616/119.3B.W  - A33        Date: 02/27/1996 17:25:57      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D41                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 41  Vial:A33        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	115.068	20358127	143759404	1	3.56
2	1.77	CHLORIDE	10.681	911137	6988037	1	0.00
3	2.13	NITRITE	249.715	15300451	130062651	1	0.63
4	3.23	BROMIDE	13.066	454855	3849613	1	-3.92
5	3.60	NITRATE	747.456	28401194	363709196	1	0.00
6	5.00		0.000	34140	516046	1	
7	5.87	PHOSPHATE	143.577	1877517	29912596	1	1.62
8	7.67	SULFATE	66.388	1738563	33965494	1	0.00
		Totals	1345.951	69075985	712763037		

File: 96022711.D41 Sample: 96-2616/119.3B.W - A33



Data Reprocessed On 02/28/1996 11:32:51

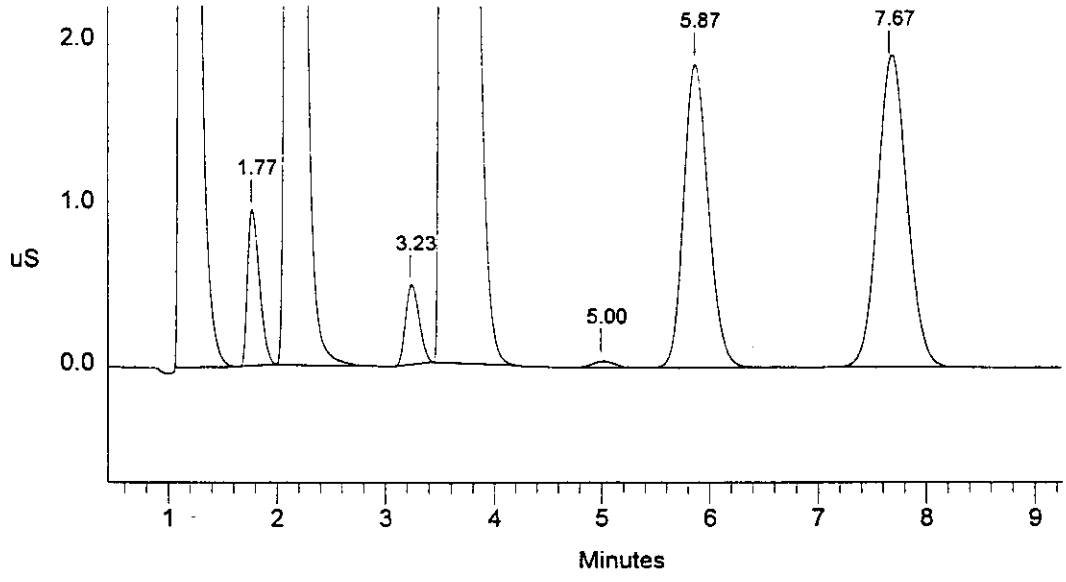
Sample Name:	DUP96-2616/119.3B.W - A34 Date: 02/27/1996 17:37:36
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D42
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 42 Vial:A34 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.45	9.25	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	156.853	28475474	202063257	1	3.56
2	1.77	CHLORIDE	11.119	947307	7320076	1	0.00
3	2.15	NITRITE	262.239	16602800	136940805	1	1.42
4	3.23	BROMIDE	14.392	470652	4246613	1	-3.92
5	3.60	NITRATE	781.294	29570977	383461451	1	0.00
6	5.00		0.000	38187	563572	1	
7	5.87	PHOSPHATE	142.228	1859295	29616413	1	1.62
8	7.67	SULFATE	70.789	1871908	36429285	1	0.00
		Totals	1438.914	79836599	800641473		

File: 96022711.D42 Sample: DUP96-2616/119.3B.W - A34



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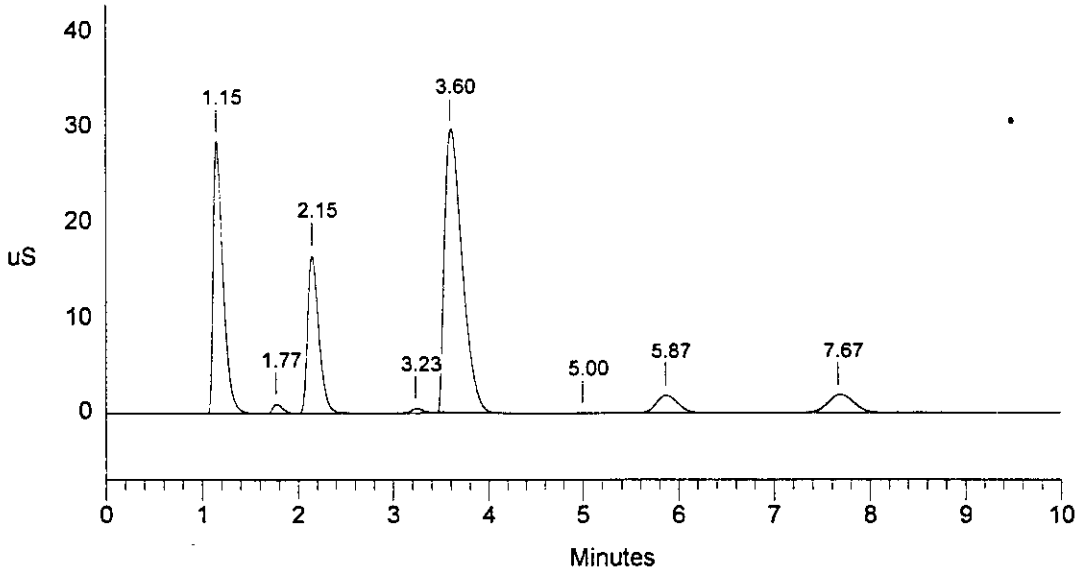
| Sample Name: DUP96-2616/119.3B.W  - A34     Date: 02/27/1996 17:37:36       |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D42                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 42  Vial:A34        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	156.853	28475474	202063257	1	3.56
2	1.77	CHLORIDE	11.119	947307	7320076	1	0.00
3	2.15	NITRITE	262.406	16603272	137032836	1	1.42
4	3.23	BROMIDE	14.392	470652	4246613	1	-3.92
5	3.60	NITRATE	776.048	29489599	380373632	1	0.00
6	5.00		0.000	38187	563572	1	
7	5.87	PHOSPHATE	142.471	1859972	29669821	1	1.62
8	7.67	SULFATE	70.935	1872791	36511312	1	0.00
		Totals	1434.225	79757255	797781119		

File: 96022711.D42 Sample: DUP96-2616/119.3B.W - A34



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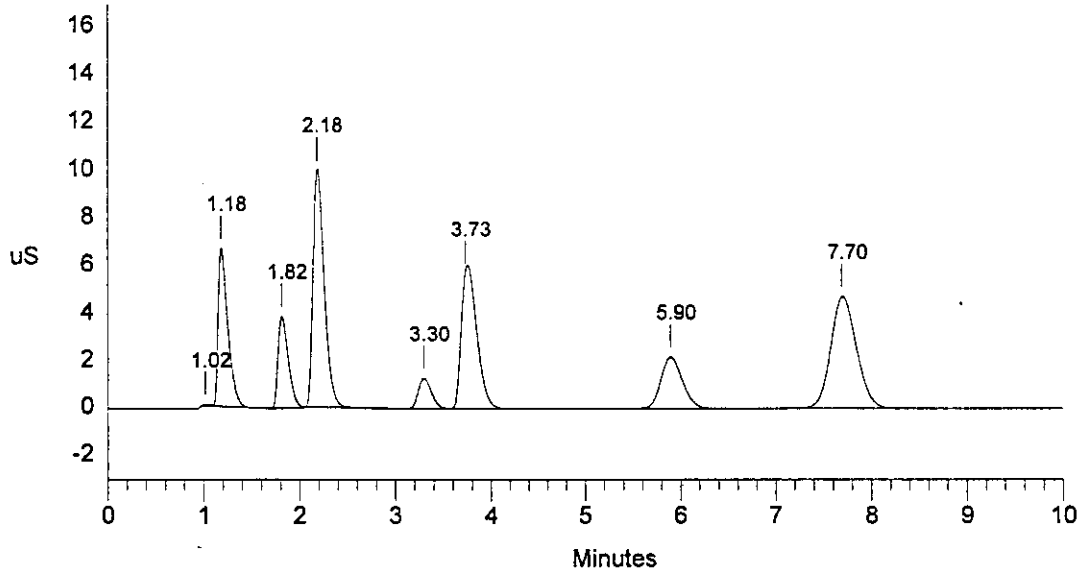
| Sample Name: A960123V1/LO  - A05            Date: 02/27/1996 17:49:07      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D43                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 43  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	39789	195083	2	
2	1.18	FLUORIDE	24.103	6646869	46797747	2	3.63
3	1.82	CHLORIDE	23.367	3878144	28830659	1	0.00
4	2.18	NITRITE	95.878	9965115	81161012	1	0.15
5	3.30	BROMIDE	24.451	1295751	12213547	1	-4.63
6	3.73	NITRATE	97.112	5657212	67989540	1	0.00
7	5.90	PHOSPHATE	98.946	2181367	34613714	1	-1.45
8	7.70	SULFATE	97.238	4698270	88371377	1	0.00
		Totals	461.095	34362517	360172679		

File: 96022711.D43 Sample: A960123V1/LO - A05



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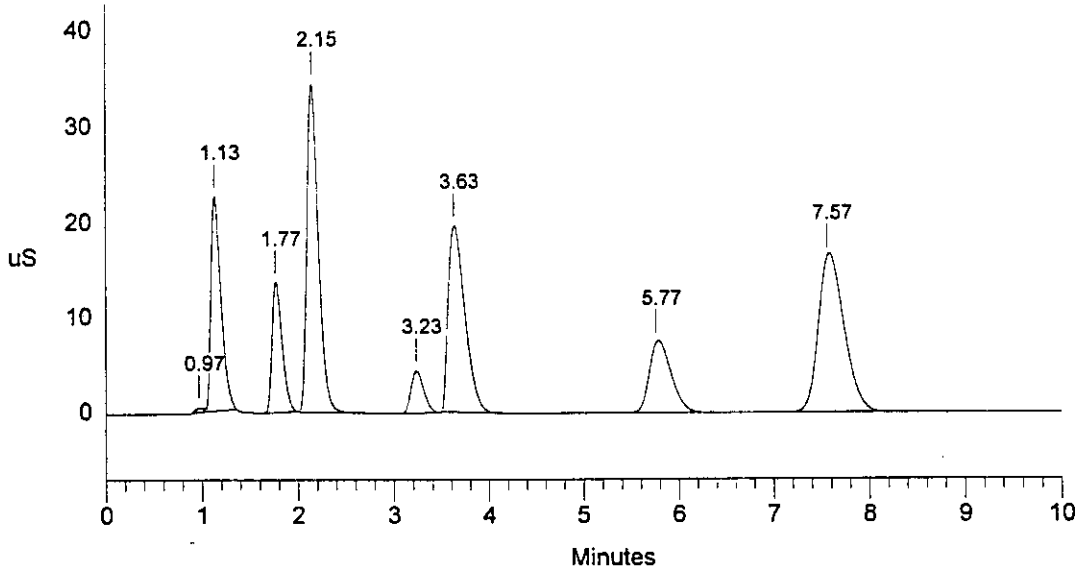
==============================================================================
| Sample Name: A960123V2/MID  - A05          Date: 02/27/1996 18:00:47       |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D44                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 44  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	429444	2290066	2	
2	1.13	FLUORIDE	25.887	22461530	163427003	2	2.06
3	1.77	CHLORIDE	24.666	13633895	99681321	1	0.00
4	2.15	NITRITE	104.877	34366415	284969124	1	1.42
5	3.23	BROMIDE	25.967	4381583	40359048	1	-3.92
6	3.63	NITRATE	103.779	19520533	239174146	1	0.00
7	5.77	PHOSPHATE	104.915	7323851	119852883	1	-1.03
8	7.57	SULFATE	104.042	16279010	310615273	1	0.00
		Totals	494.133	118396260	1260368865		

File: 96022711.D44 Sample: A960123V2/MID - A05



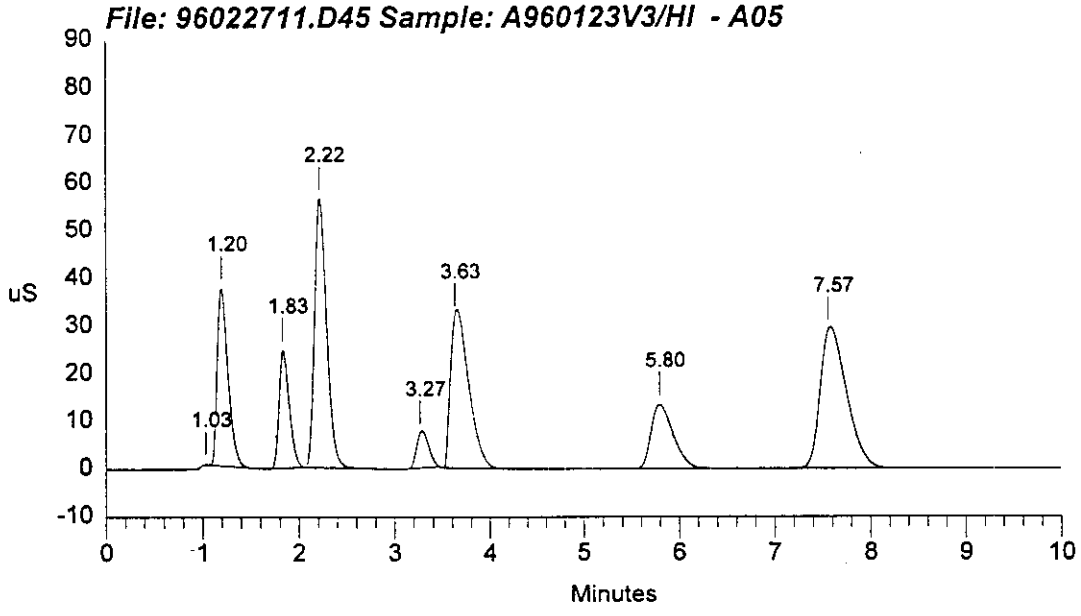
Data Reprocessed On 02/28/1996 11:33:41

Sample Name: A960123V3/HI - A05	Date: 02/27/1996 18:12:31
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D45	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 45 Vial:A05	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	44439	91021	1	
2	1.20	FLUORIDE	25.847	37124230	290212754	1	4.13
3	1.83	CHLORIDE	24.861	24641599	181798170	1	0.00
4	2.22	NITRITE	104.326	56313761	493288522	1	0.76
5	3.27	BROMIDE	25.008	7204933	67014043	1	-4.64
6	3.63	NITRATE	104.356	31800150	436965835	1	0.00
7	5.80	PHOSPHATE	105.269	13405958	218686646	1	-2.34
8	7.57	SULFATE	104.291	28992696	567781180	1	0.00
		Totals	493.957	199527766	2255838171		



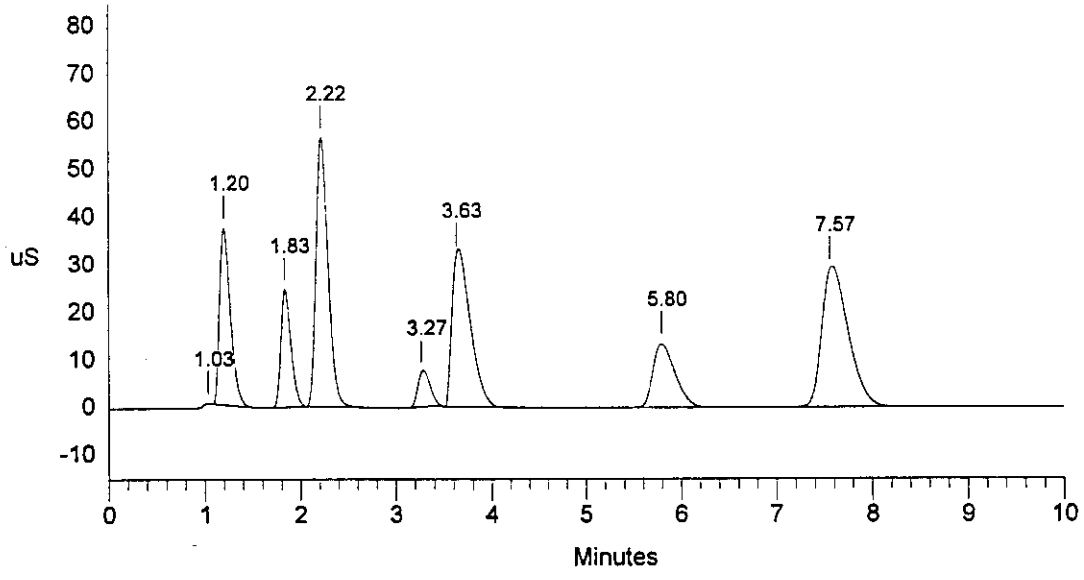
```
==============================================================================
| Sample Name: A960123V3/HI  - A05            Date: 02/27/1996 18:12:31      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D45                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 45  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	44439	91021	1	
2	1.20	FLUORIDE	25.847	37124230	290212754	1	4.13
3	1.83	CHLORIDE	24.861	24641599	181798170	1	0.00
4	2.22	NITRITE	104.326	56313761	493288522	1	0.76
5	3.27		0.000	7204933	67014043	1	
6	3.63	BROMIDE	85.930	31800150	436965835	1	4.05
7	5.80	PHOSPHATE	105.269	13405958	218686646	1	-0.45
8	7.57	SULFATE	104.291	28992696	567781180	1	0.00
		Totals	450.523	199527766	2255838171		

File: 96022711.D45 Sample: A960123V3/HI - A05



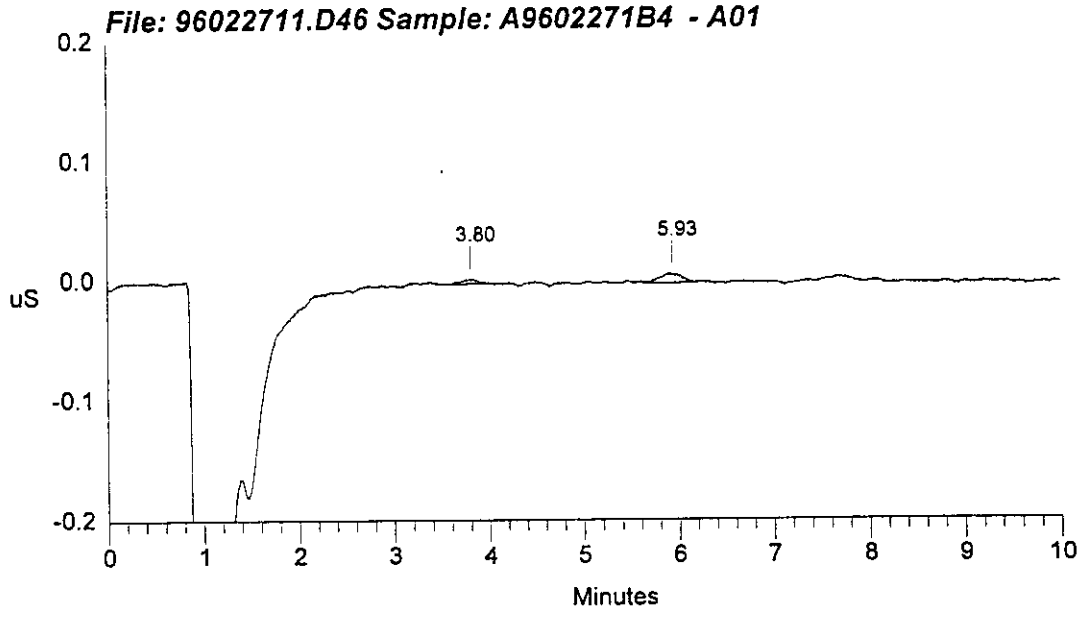
Data Reprocessed On 02/28/1996 11:34:40

```
==============================================================================
| Sample Name: A9602271B4  - A01              Date: 02/27/1996 18:24:41      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D46                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 46  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.80	NITRATE	0.191	3452	43788	1	0.00
2	5.93	PHOSPHATE	0.143	7387	122518	1	-2.63
		Totals	0.334	10839	166306		

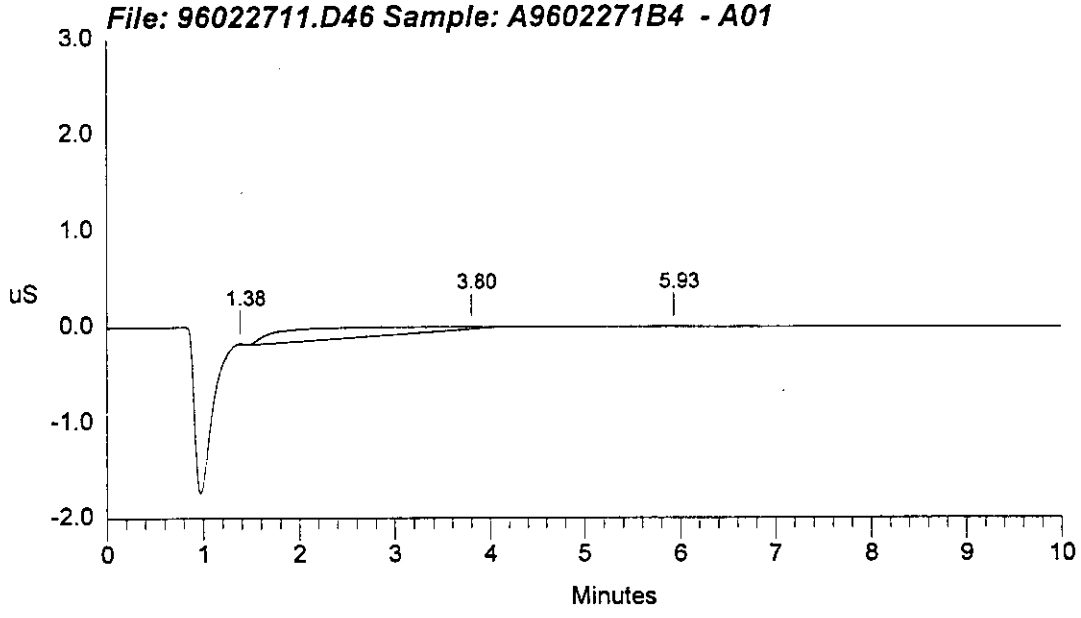


```
==============================================================================
| Sample Name: A9602271B4  - A01              Date: 02/27/1996 18:24:41      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D46                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 46  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.38		0.000	14880	58381	1	
2	3.80	NITRATE	0.997	25776	11535543	1	0.00
3	5.93	PHOSPHATE	0.143	7387	122518	1	-2.63
		Totals	1.140	48043	11716443		



Data Reprocessed On 02/28/1996 11:40:19

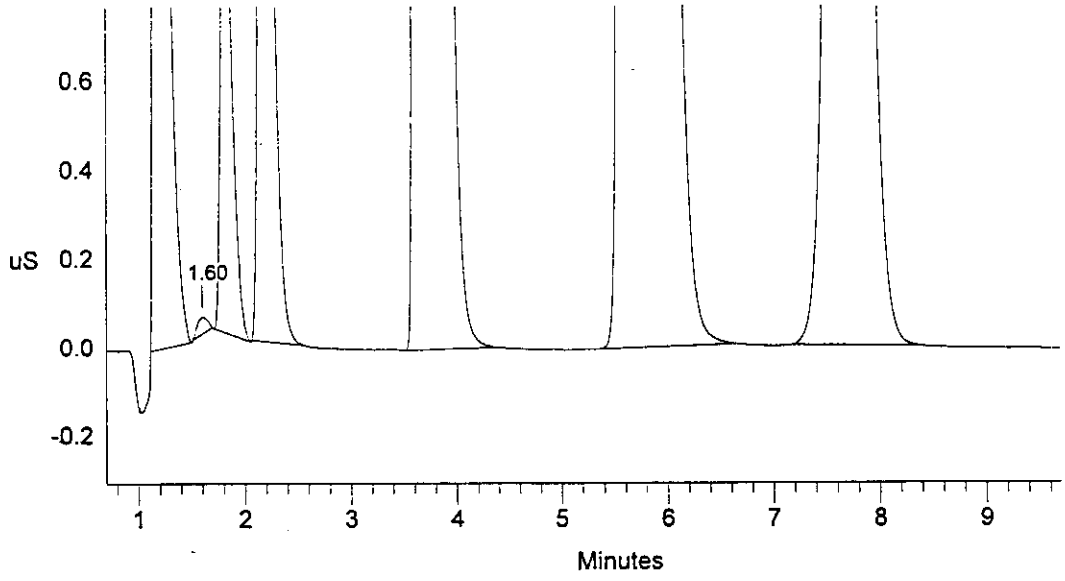
Sample Name: 96-2605-BS - A35	Date: 02/27/1996 18:36:20
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D47	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 47 Vial:A35	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	1	3000	5Hz	0.70	9.70	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.18	FLUORIDE	3.156	3996615	29748164	1	3.63
2	1.60		0.000	37092	253858	1	
3	1.82	CHLORIDE	1.455	1072033	8084402	1	0.00
4	2.18	NITRITE	5.620	2483736	20879492	1	0.15
5	3.70	NITRATE	63.600	19838377	244911816	1	0.00
6	5.70	PHOSPHATE	181.390	28130407	507438616	1	-3.93
7	7.70	SULFATE	25.479	6284505	117693342	1	0.00
		Totals	280.700	61842764	929009691		

File: 96022711.D47 Sample: 96-2605-BS - A35



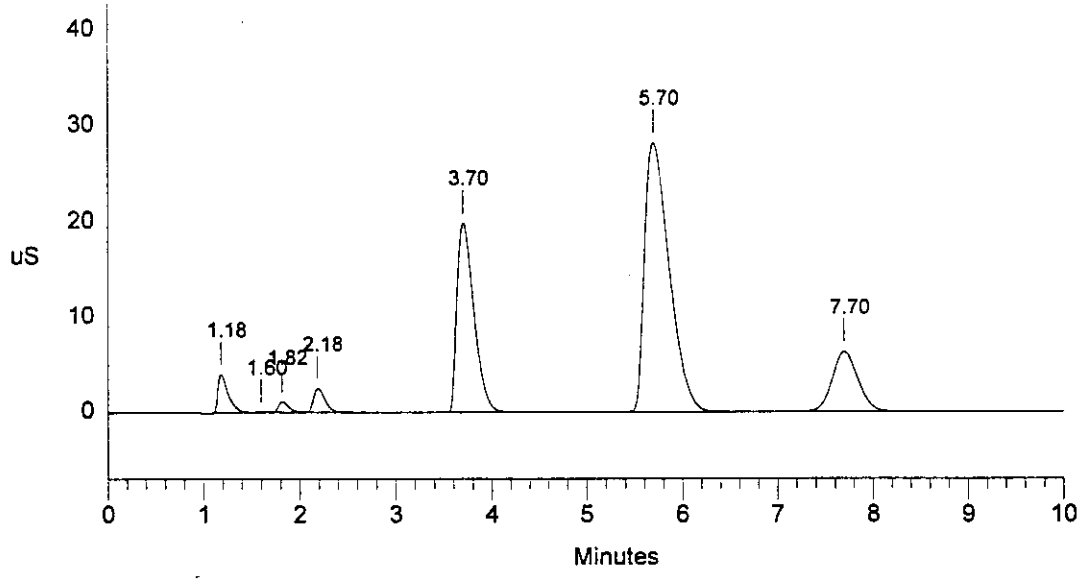
```
==============================================================================
| Sample Name: 96-2605-BS  - A35              Date: 02/27/1996 18:36:20      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D47                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 47  Vial:A35        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.18	FLUORIDE	3.156	3996615	29748164	1	3.63
2	1.60		0.000	37092	253858	1	
3	1.82	CHLORIDE	1.455	1072033	8084402	1	0.00
4	2.18	NITRITE	5.615	2483824	20859776	1	0.15
5	3.70	BROMIDE	70.624	19839706	245129854	1	6.93
6	5.70	PHOSPHATE	181.443	28133427	507816842	1	-3.93
7	7.70	SULFATE	25.541	6287890	117998709	1	0.00
		Totals	287.835	61850586	929891605		

File: 96022711.D47 Sample: 96-2605-BS - A35



Data Reprocessed On 02/28/1996 11:42:41

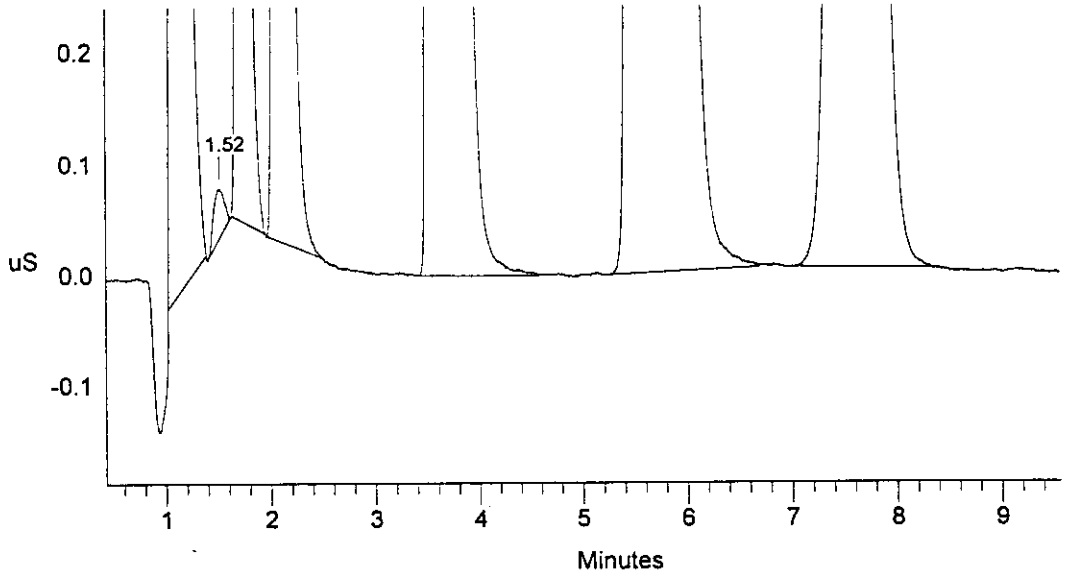
Sample Name: 96-2611-BS - A36	Date: 02/27/1996 18:47:52
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D48	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 48 Vial:A36	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	25	1	3000	5Hz	0.43	9.56		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	3.152	3891889	29701278	1	-0.57
2	1.52		0.000	44871	322553	1	
3	1.73	CHLORIDE	1.430	1063312	7924068	1	0.00
4	2.10	NITRITE	5.563	2461595	20628314	1	0.96
5	3.60	NITRATE	63.713	19445687	245398551	1	0.00
6	5.60	PHOSPHATE	181.509	28129479	508282026	1	-3.00
7	7.60	SULFATE	25.419	6253214	117402428	1	0.00
		Totals	280.785	61290048	929659216		

File: 96022711.D48 Sample: 96-2611-BS - A36



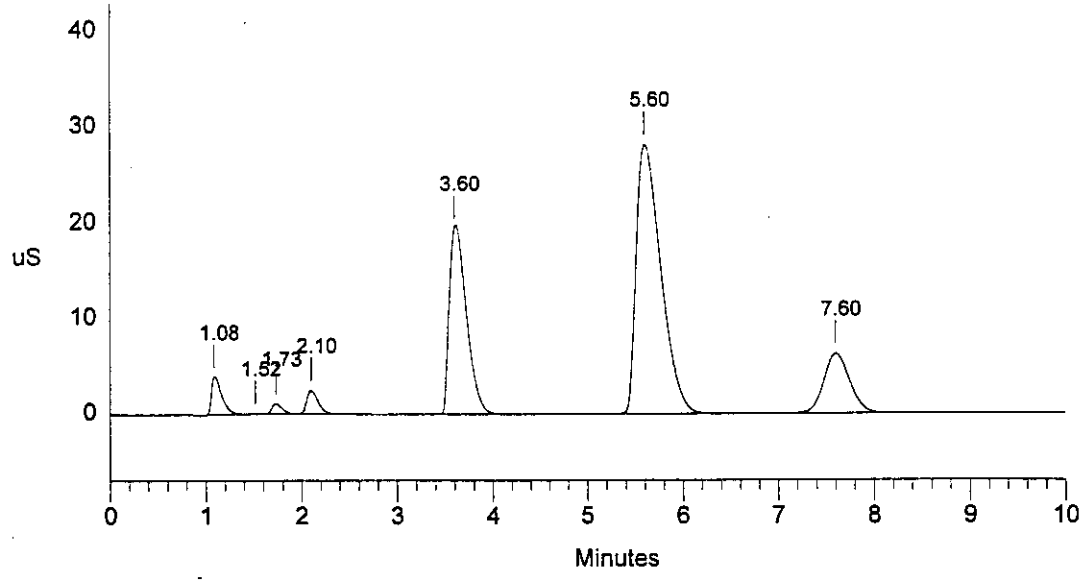
```
==============================================================================
| Sample Name: 96-2611-BS  - A36              Date: 02/27/1996 18:47:52      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D48                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 48  Vial:A36        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	3.158	3892763	29761504	1	-0.57
2	1.52		0.000	44871	322553	1	
3	1.73	CHLORIDE	1.430	1063312	7924068	1	0.00
4	2.10	NITRITE	5.502	2460644	20361960	1	0.96
5	3.60	NITRATE	63.712	19445650	245392203	1	0.00
6	5.60	PHOSPHATE	181.530	28130963	508437232	1	-3.00
7	7.60	SULFATE	25.455	6254911	117574823	1	0.00
		Totals	280.786	61293116	929774342		

File: 96022711.D48 Sample: 96-2611-BS - A36



Data Reprocessed On 02/28/1996 11:44:02

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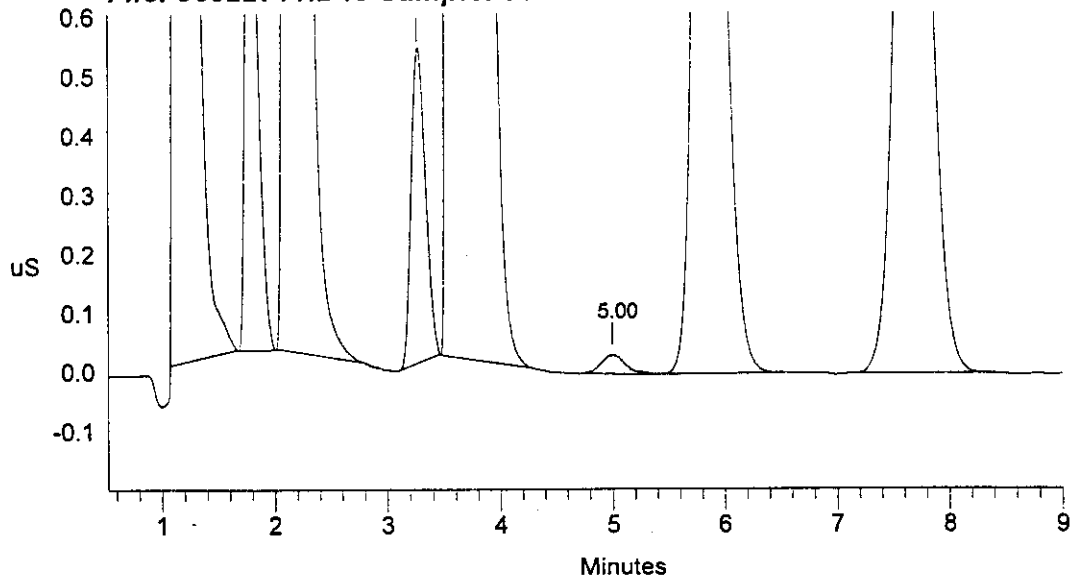
==============================================================================
| Sample Name: 96-2605/118.1AA.W  - A09        Date: 02/27/1996 18:59:30      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D49                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 49  Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.52	9.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	91.206	15528073	111903064	1	2.59
2	1.78	CHLORIDE	11.529	1012654	7631320	1	0.00
3	2.15	NITRITE	279.202	17071017	146283958	1	0.47
4	3.27	BROMIDE	15.746	526614	4652187	1	-3.83
5	3.63	NITRATE	782.905	29457848	384411633	1	0.00
6	5.00		0.000	31515	484024	1	
7	5.83	PHOSPHATE	166.943	2106853	35063714	1	0.12
8	7.67	SULFATE	64.128	1694274	32701534	1	0.00
		Totals	1411.660	67428848	723131434		

File: 96022711.D49 Sample: 96-2605/118.1AA.W - A09



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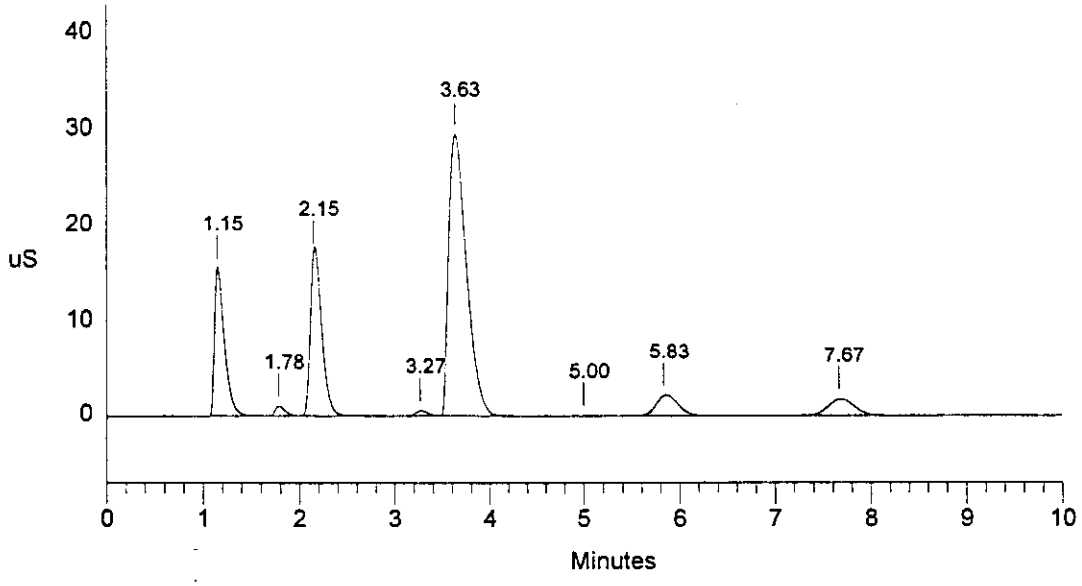
==============================================================================
| Sample Name: 96-2605/118.1AA.W  - A09       Date: 02/27/1996 18:59:30      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D49                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 49  Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	91.206	15528073	111903064	1	2.59
2	1.78	CHLORIDE	11.529	1012654	7631320	1	0.00
3	2.15	NITRITE	279.480	17071929	146437171	1	0.47
4	3.27	BROMIDE	14.777	513263	4361738	1	-3.83
5	3.63	NITRATE	782.809	29457761	384354750	1	0.00
6	5.00		0.000	31515	484024	1	
7	5.83	PHOSPHATE	166.943	2106853	35063714	1	0.12
8	7.67	SULFATE	64.274	1695039	32782791	1	0.00
		Totals	1411.017	67417086	723018573		

File: 96022711.D49 Sample: 96-2605/118.1AA.W - A09



Data Reprocessed On 02/28/1996 11:45:37

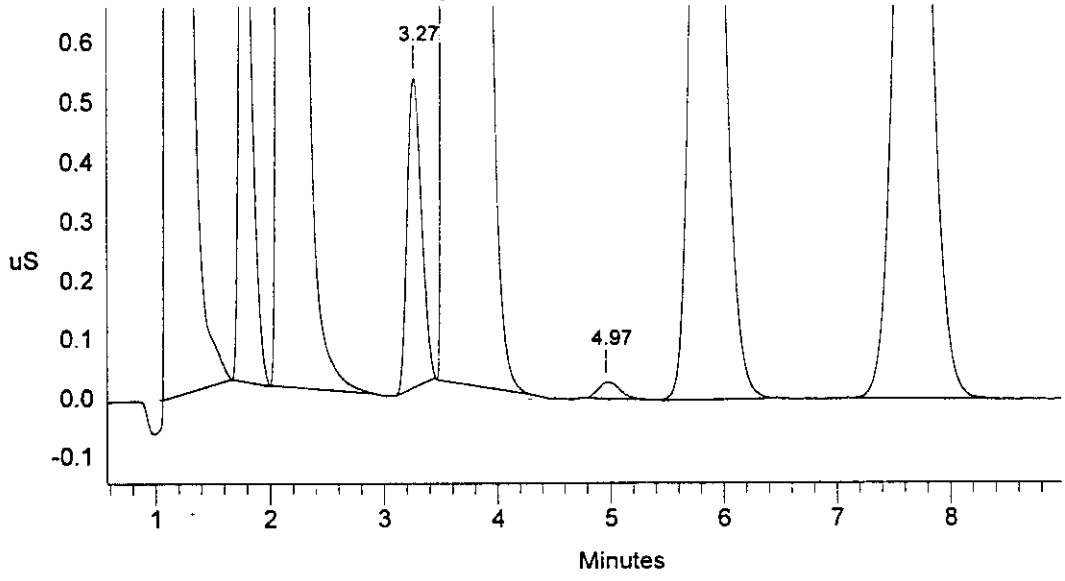
Sample Name:	DUP96-2605118.1AA.W - A10 Date: 02/27/1996 19:11:09
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D50
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 50 Vial:A10 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	10	3000	5Hz	0.57	8.98	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	94.956	16317608	116846309	1	3.56
2	1.77	CHLORIDE	11.574	979339	7665928	1	0.00
3	2.15	NITRITE	274.137	17216178	143490896	1	1.42
4	3.27	BROMIDE	15.354	520610	4534752	1	-2.92
5	3.63	NITRATE	768.222	28887381	375784954	1	0.00
6	4.97		0.000	26927	383411	1	
7	5.83	PHOSPHATE	164.025	2112283	34418120	1	0.12
8	7.67	SULFATE	63.294	1686722	32235012	1	0.00
		Totals	1391.562	67747048	715359383		

File: 96022711.D50 Sample: DUP96-2605118.1AA.W - A10



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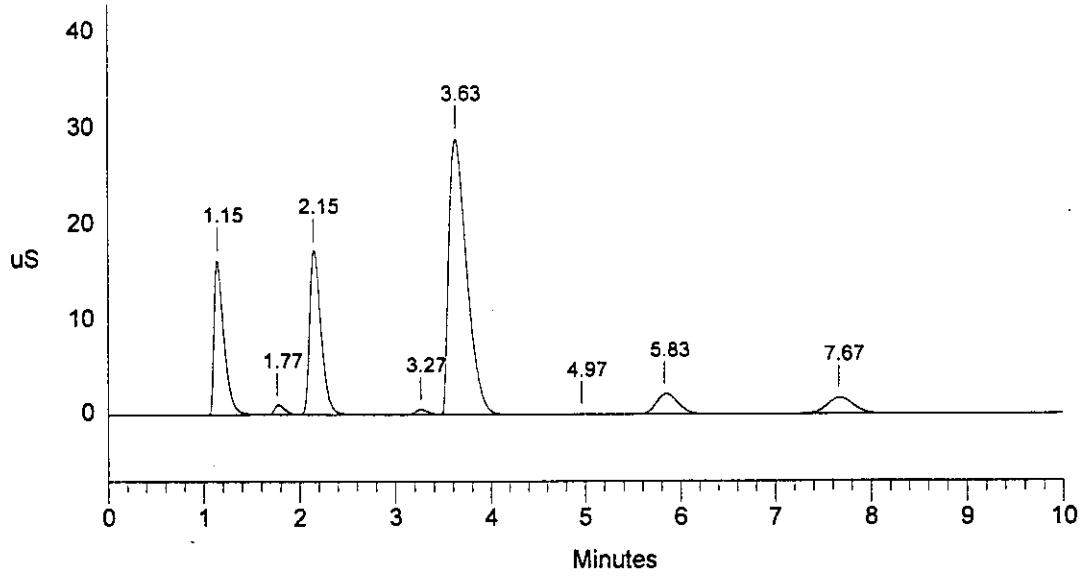
==============================================================================
| Sample Name: DUP96-2605118.1AA.W  - A10     Date: 02/27/1996 19:11:09      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D50                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 50  Vial:A10        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	94.956	16317608	116846309	1	3.56
2	1.77	CHLORIDE	11.504	975302	7612285	1	0.00
3	2.15	NITRITE	273.744	17207765	143274260	1	1.42
4	3.27	BROMIDE	14.622	510198	4315465	1	-2.92
5	3.63	NITRATE	768.143	28887254	375738706	1	0.00
6	4.97		0.000	26927	383411	1	
7	5.83	PHOSPHATE	164.264	2112807	34470846	1	0.12
8	7.67	SULFATE	63.298	1686559	32237547	1	0.00
		Totals	1390.530	67724420	714878830		

File: 96022711.D50 Sample: DUP96-2605118.1AA.W - A10



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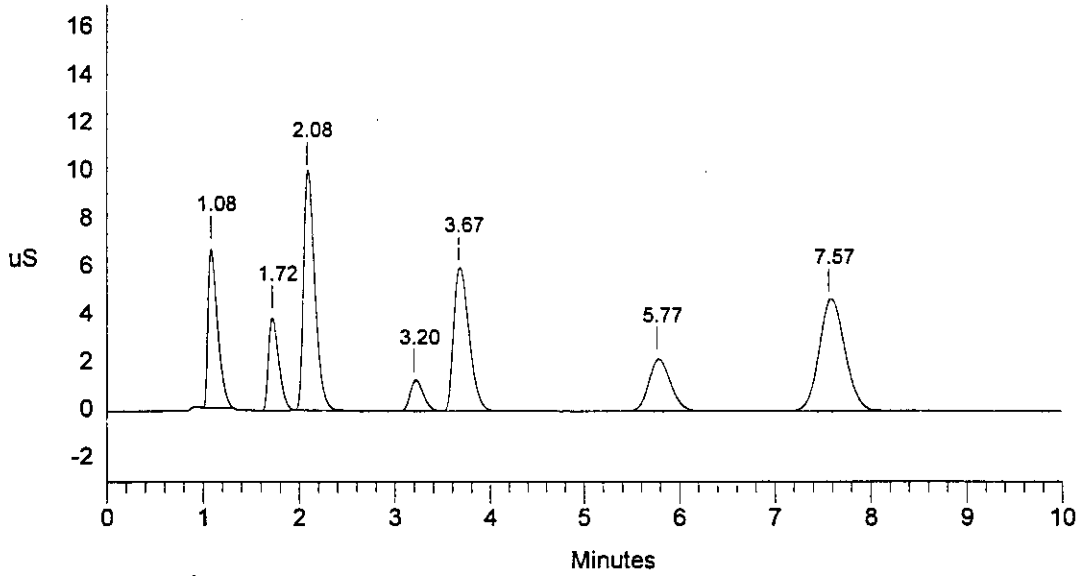
| Sample Name: A960123V1/LO  - A03            Date: 02/27/1996 19:22:35      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D51                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 51  Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	23.780	6670937	46131670	1	0.40
2	1.72	CHLORIDE	23.411	3872827	28888588	1	0.00
3	2.08	NITRITE	96.933	9825176	82109261	1	1.13
4	3.20	BROMIDE	24.662	1209404	12320909	1	-2.14
5	3.67	NITRATE	97.351	5906789	68168517	1	0.00
6	5.77	PHOSPHATE	99.414	2147765	34786481	1	-1.93
7	7.57	SULFATE	97.581	4591864	88701809	1	0.00
		Totals	463.133	34224762	361107235		

File: 96022711.D51 Sample: A960123V1/LO - A03



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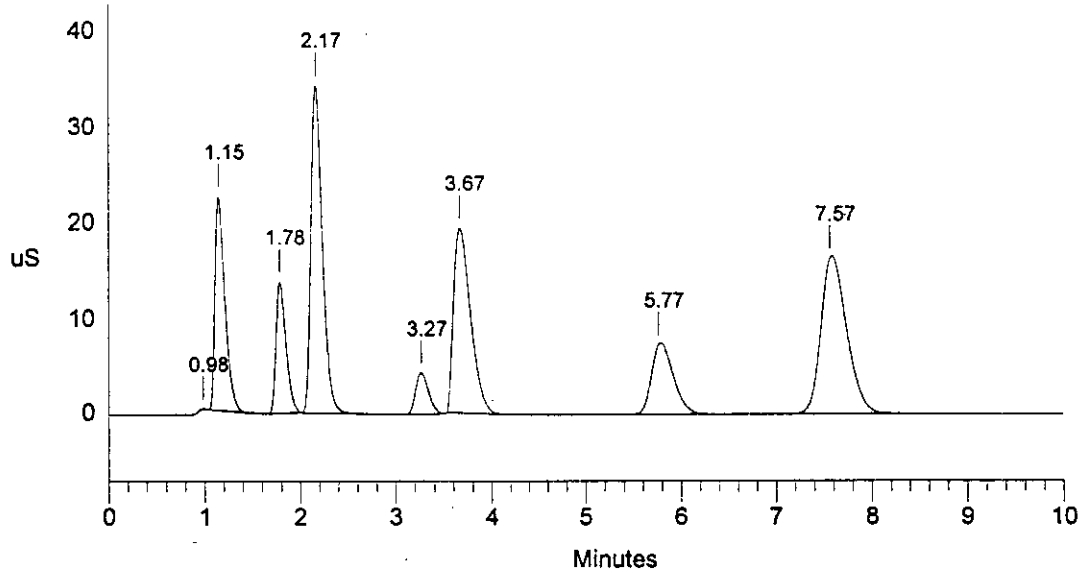
==============================================================================
| Sample Name: A960123V2/MID  - A03          Date: 02/27/1996 19:34:14       |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D52                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 52  Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	85074	268562	1	
2	1.15	FLUORIDE	25.794	22438186	162781036	1	2.59
3	1.78	CHLORIDE	24.700	13821883	99833567	1	0.00
4	2.17	NITRITE	105.207	34343261	285929290	1	1.25
5	3.27	BROMIDE	26.064	4383054	40516885	1	-3.83
6	3.67	NITRATE	103.608	19394059	238733295	1	0.00
7	5.77	PHOSPHATE	105.255	7359937	120286048	1	-1.93
8	7.57	SULFATE	104.215	16330192	311196828	1	0.00
		Totals	494.842	118155648	1259545511		

File: 96022711.D52 Sample: A960123V2/MID - A03



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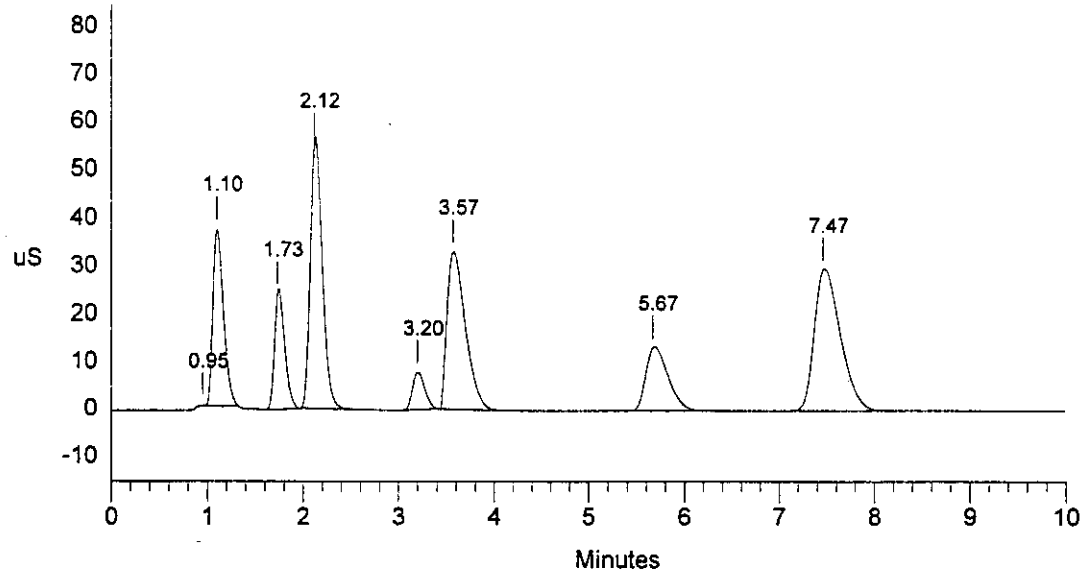
==============================================================================
| Sample Name: A960123V3/HI  - A03            Date: 02/27/1996 19:45:59      |
| Data File  : l:\iag\ic\icdata\9602271\96022711.D53                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 53  Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	86480	345574	1	
2	1.10	FLUORIDE	25.504	36890868	285700640	1	0.96
3	1.73	CHLORIDE	24.986	24065035	182920542	1	0.00
4	2.12	NITRITE	104.008	54734369	491625573	1	1.76
5	3.20	BROMIDE	25.689	7769244	69014992	1	-3.08
6	3.57	NITRATE	104.829	32812505	439422005	1	0.00
7	5.67	PHOSPHATE	105.579	13122255	219490270	1	-0.92
8	7.47	SULFATE	104.552	29476518	569568102	1	0.00
		Totals	495.147	198957273	2258087698		

File: 96022711.D53 Sample: A960123V3/HI - A03



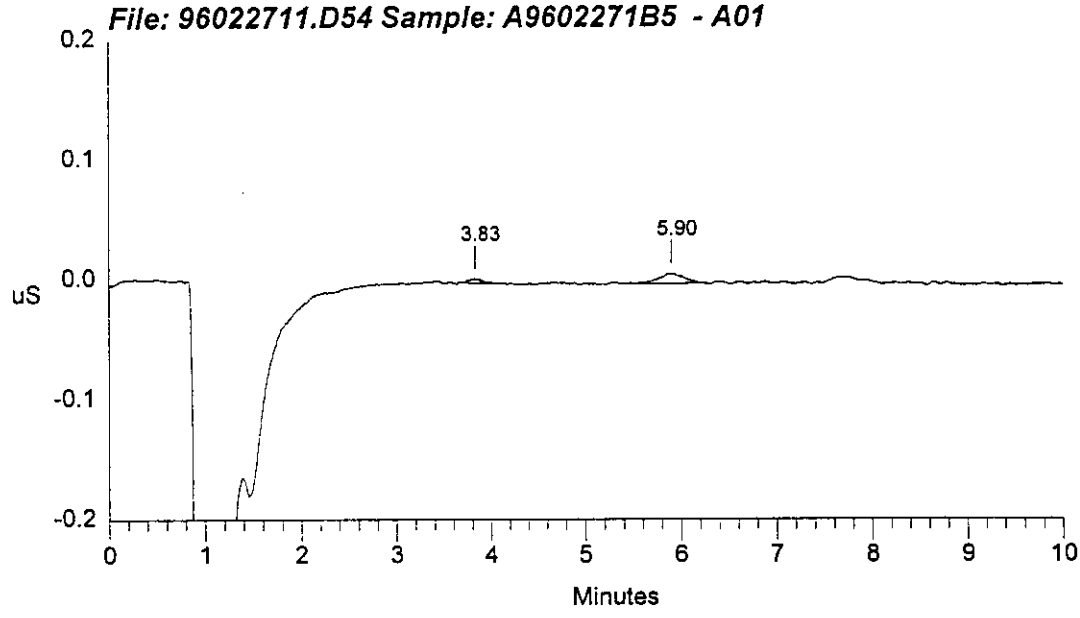
Data Reprocessed On 02/28/1996 11:46:55

Sample Name: A9602271B5 - A01	Date: 02/27/1996 19:58:09
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022711.D54	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 54 Vial:A01	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

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	3.83	NITRATE	0.191	3350	36199	1	0.00
2	5.90	PHOSPHATE	0.147	8490	152706	1	-4.02
		Totals	0.338	11840	188905		



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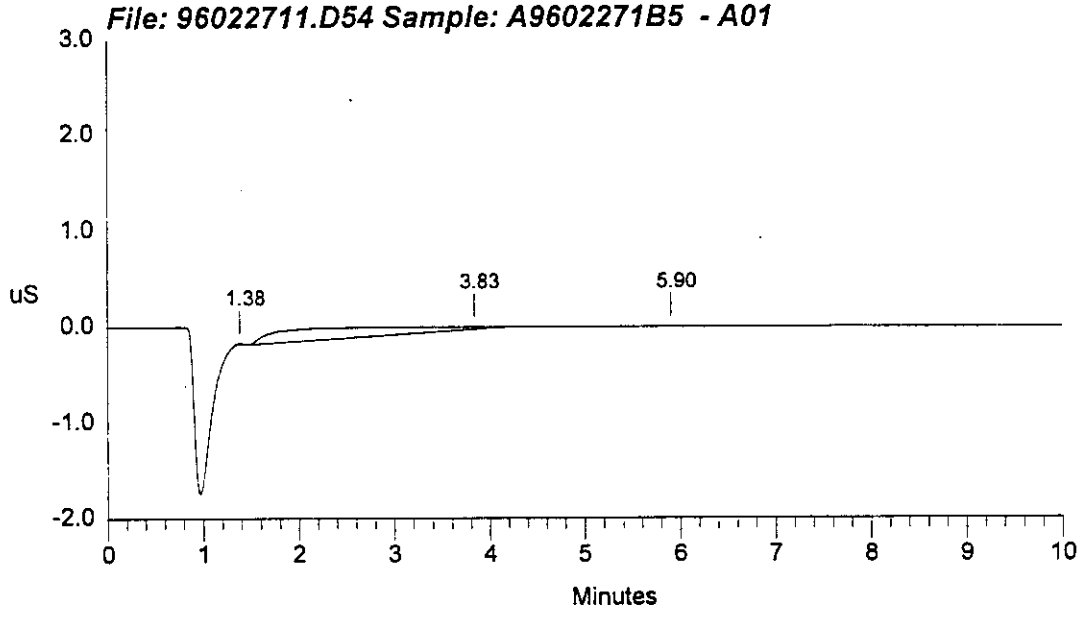
==============================================================================
| Sample Name: A9602271B5  - A01              Date: 02/27/1996 19:58:09      |
| Data File  : 1:\iag\ic\icdata\9602271\96022711.D54                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 54  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.38		0.000	15254	61878	1	
2	3.83	NITRATE	1.015	25732	11803443	1	0.00
3	5.90	PHOSPHATE	0.147	8490	152706	1	-4.02
		Totals	1.163	49476	12018027		



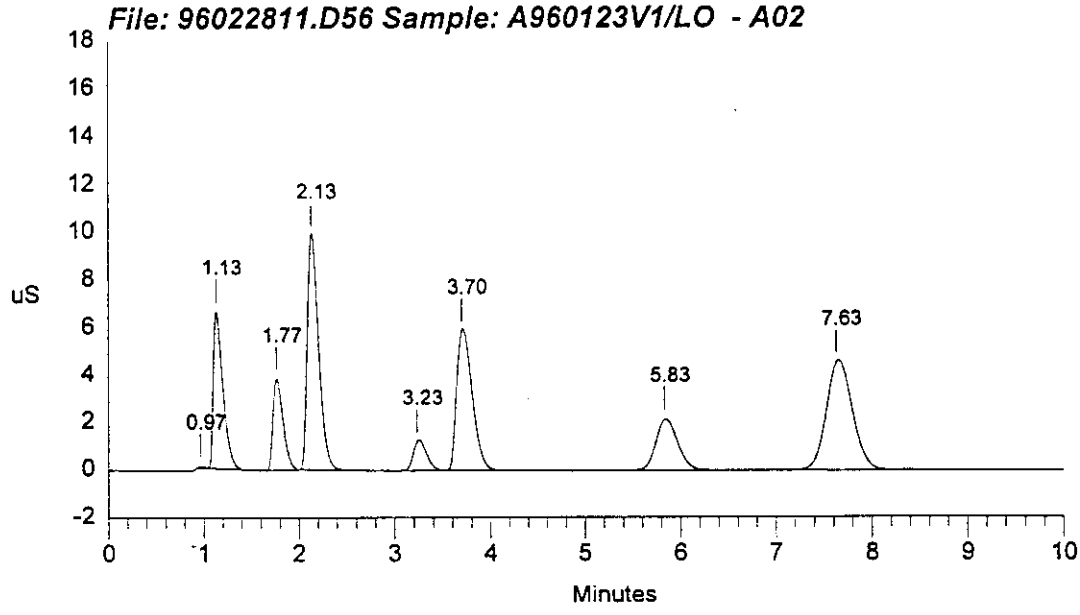
Data Reprocessed On 02/28/1996 13:10:40

Sample Name: A960123V1/LO - A02	Date: 02/28/1996 12:37:08
Data File : L:\IAG\IC\ICDATA\9602271\96022811.D56	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 56 Vial:A02	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	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	43012	209039	2	
2	1.13	FLUORIDE	23.926	6585518	46431584	2	2.06
3	1.77	CHLORIDE	23.207	3831178	28619829	1	0.00
4	2.13	NITRITE	95.561	9816276	80876697	1	0.63
5	3.23	BROMIDE	24.492	1190777	12234356	1	-3.92
6	3.70	NITRATE	96.082	5871004	67220250	1	0.00
7	5.83	PHOSPHATE	98.773	2139382	34549893	1	-1.69
8	7.63	SULFATE	96.704	4547708	87856791	1	0.00
		Totals	458.744	34024854	357998440		



Data Reprocessed On 02/28/1996 13:11:24

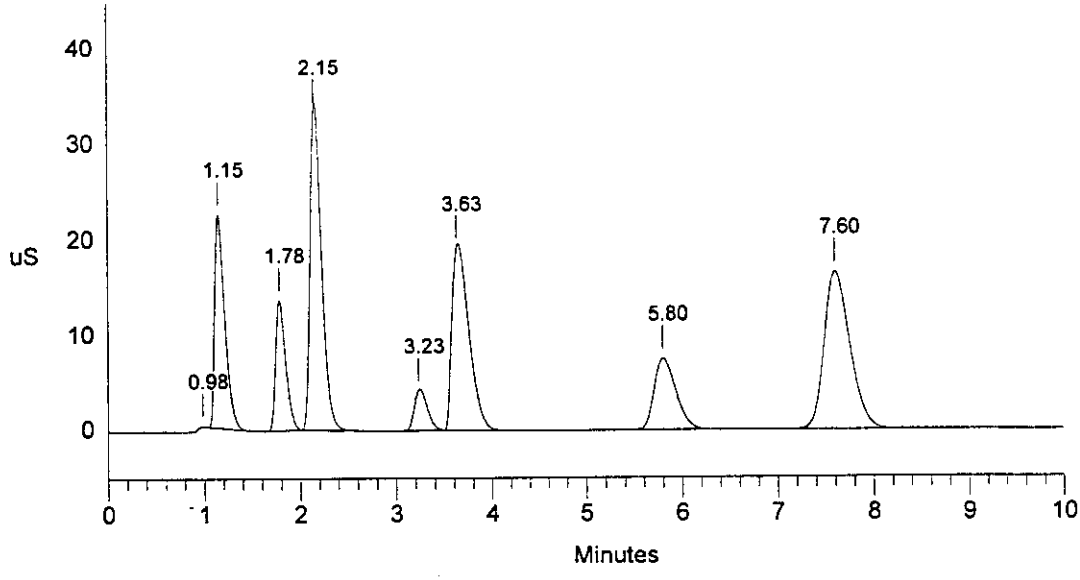
Sample Name: A960123V2/MID - A02	Date: 02/28/1996 12:48:43
Data File : L:\IAG\IC\ICDATA\9602271\96022811.D57	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 57 Vial:A02	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	67337	204448	1	
2	1.15	FLUORIDE	25.841	22356831	163105931	1	2.59
3	1.78	CHLORIDE	24.653	13679709	99623813	1	0.00
4	2.15	NITRITE	104.521	33233585	283937305	1	0.47
5	3.23	BROMIDE	25.709	4202338	39936403	1	-4.81
6	3.63	NITRATE	104.245	19067569	240376400	1	0.00
7	5.80	PHOSPHATE	104.918	7511649	119856344	1	-0.45
8	7.60	SULFATE	103.889	16551552	310105478	1	0.00
		Totals	493.776	116670570	1257146122		

File: 96022811.D57 Sample: A960123V2/MID - A02



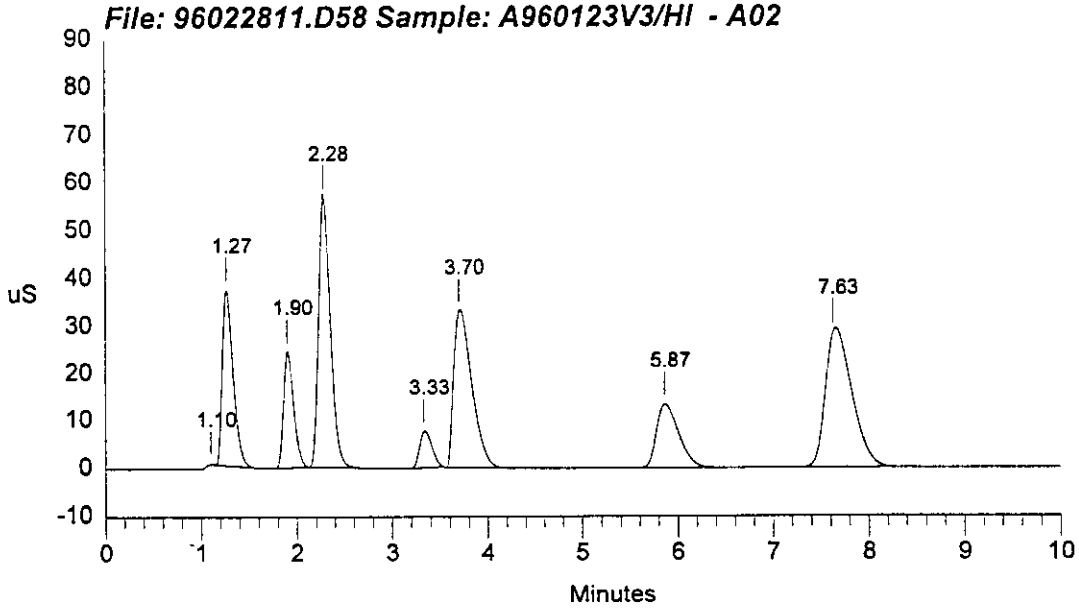
Data Reprocessed On 02/28/1996 16:38:52

Sample Name: A960123V3/HI - A02	Date: 02/28/1996 13:00:23
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D58	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 58 Vial:A02	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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	42757	92659	1	
2	1.27	FLUORIDE	25.785	36874033	289396576	1	-0.26
3	1.90	CHLORIDE	24.813	24454104	181368414	1	0.00
4	2.28	NITRITE	103.879	56410650	490949205	1	0.15
5	3.33	BROMIDE	25.375	7568792	68090471	1	0.00
6	3.70	NITRATE	103.903	32787911	434613695	1	0.00
7	5.87	PHOSPHATE	104.980	13341088	217940060	1	-1.12
8	7.63	SULFATE	104.028	28559953	565983826	1	0.00
		Totals	492.762	200039287	2248434905		



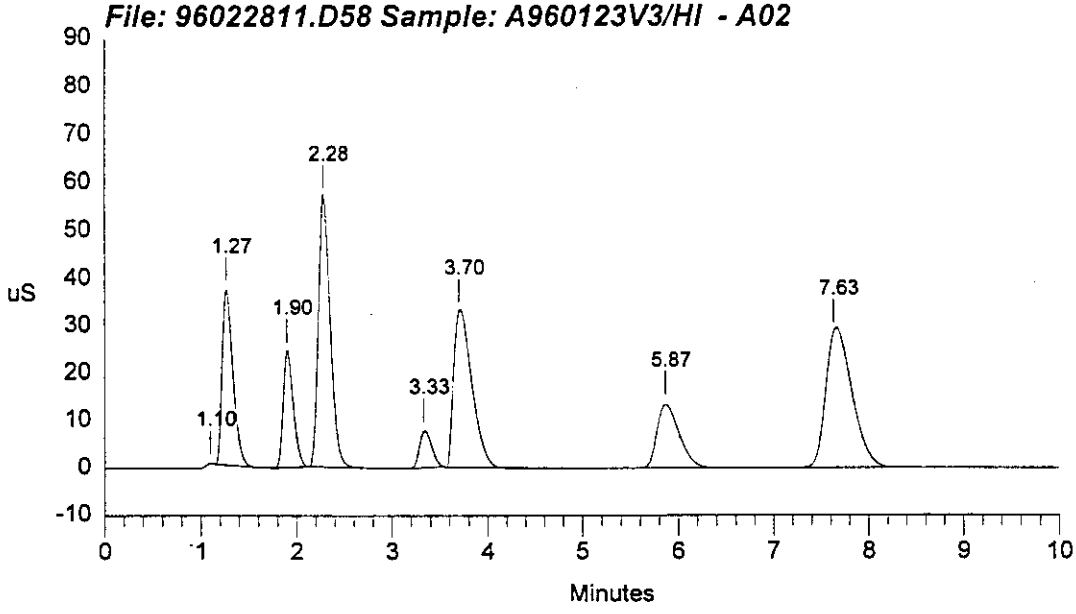
Data Reprocessed On 02/28/1996 13:11:48

Sample Name: A960123V3/HI - A02	Date: 02/28/1996 13:00:23
Data File : L:\IAG\IC\ICDATA\9602271\96022811.D58	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 58 Vial:A02	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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	FLUORIDE	0.202	42757	92659	1	0.00
2	1.27		0.000	36874033	289396576	1	
3	1.90		0.000	24454104	181368414	1	
4	2.28		0.000	56410650	490949205	1	
5	3.33	BROMIDE	25.375	7568792	68090471	1	0.00
6	3.70	NITRATE	103.903	32787911	434613695	1	0.00
7	5.87	PHOSPHATE	104.980	13341088	217940060	1	-1.12
8	7.63	SULFATE	104.028	28559953	565983826	1	0.00
		Totals	338.487	200039287	2248434905		



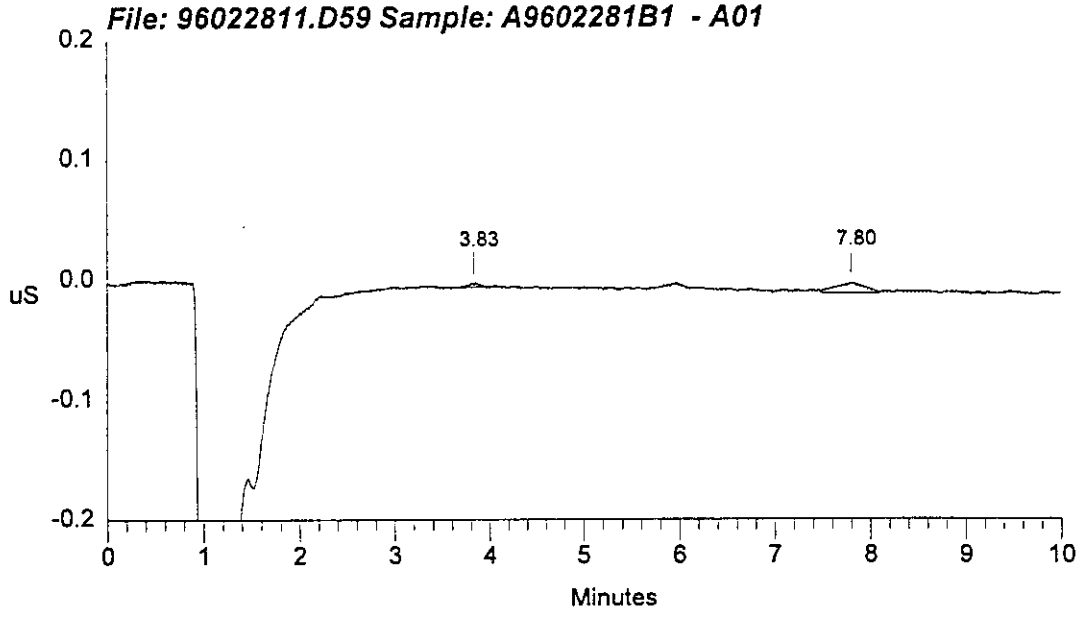
Data Reprocessed On 02/28/1996 16:39:41

Sample Name: A9602281B1 - A01	Date: 02/28/1996 13:12:29
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D59	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 59 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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	7.80	SULFATE	0.162	8281	184158	1	0.00
		Totals	0.162	8281	184158		



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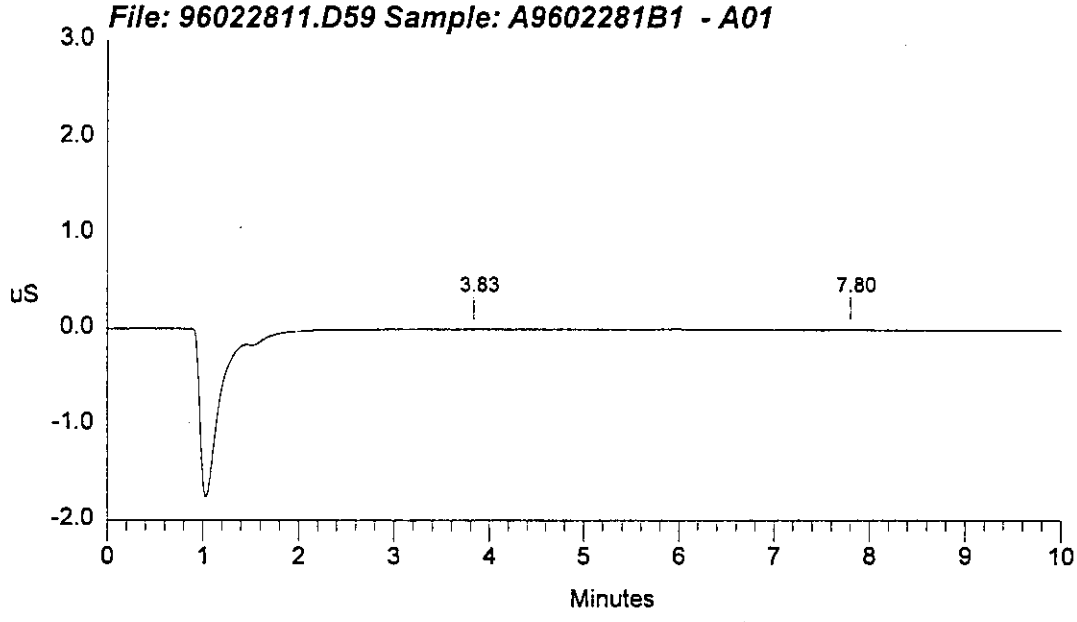
==============================================================================
| Sample Name: A9602281B1  - A01              Date: 02/28/1996 13:12:29      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D59                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 59  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.83	NITRATE	0.191	2847	42600	1	0.00
2	7.80	SULFATE	0.163	8347	200810	1	0.00
		Totals	0.354	11194	243410		



Data Reprocessed On 02/28/1996 16:41:32

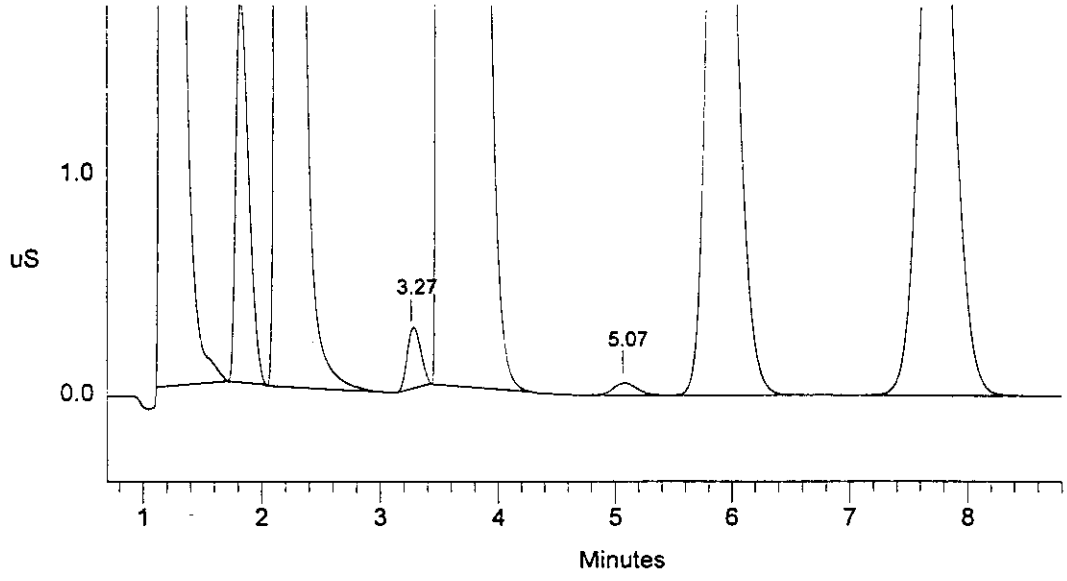
Sample Name: 96-2608/118.2B.W - A15	Date: 02/28/1996 13:24:09
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D60	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 60 Vial:A15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	5Hz	0.70	8.80	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.20	FLUORIDE	84.715	24403433	179809504	1	5.09
2	1.82	CHLORIDE	11.134	1654182	12992740	1	0.00
3	2.20	NITRITE	292.112	31096150	263278363	1	0.92
4	3.27	BROMIDE	4.501	261477	2188960	1	-3.77
5	3.60	NITRATE	749.738	50913659	714038485	1	0.00
6	5.07		0.000	54009	806008	1	
7	5.90	PHOSPHATE	173.390	3944652	62673246	1	-0.56
8	7.73	SULFATE	65.391	3054878	57967276	1	0.00
		Totals	1380.981	115382441	1293754582		

File: 96022811.D60 Sample: 96-2608/118.2B.W - A15



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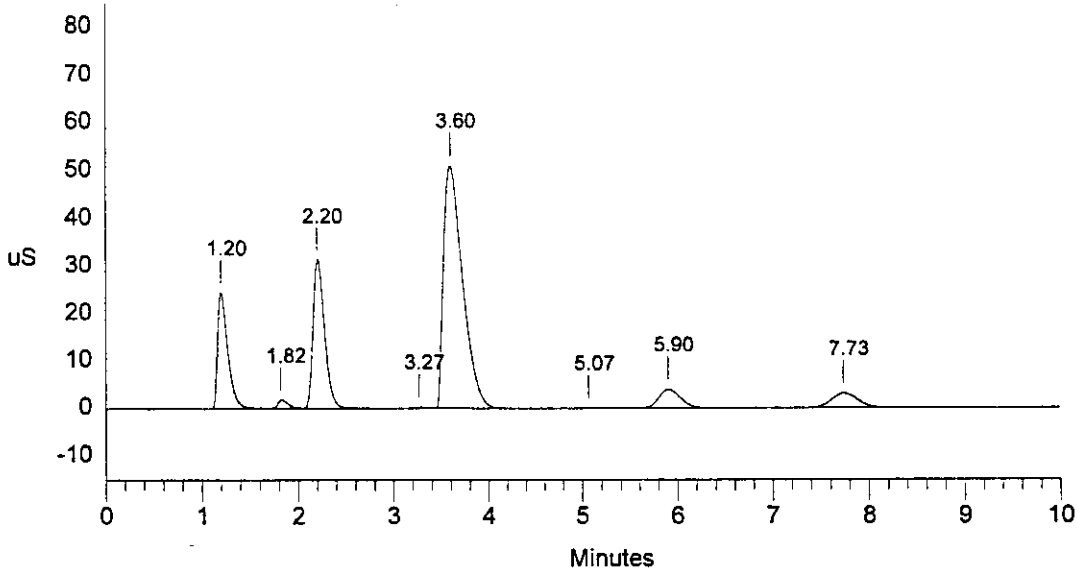
| Sample Name: 96-2608/118.2B.W  - A15        Date: 02/28/1996 13:24:09      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D60                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 60  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.20	FLUORIDE	84.715	24403433	179809504	1	5.09
2	1.82	CHLORIDE	11.041	1644952	12874070	1	0.00
3	2.20	NITRITE	292.112	31096150	263278363	1	0.92
4	3.27		0.000	244037	1880284	1	
5	3.60	BROMIDE	230.534	50913935	714062832	1	4.04
6	5.07		0.000	54009	806008	1	
7	5.90	PHOSPHATE	173.576	3945350	62744882	1	2.20
8	7.73	SULFATE	65.414	3055094	57989029	1	0.00
		Totals	857.392	115356960	1293444972		

File: 96022811.D60 Sample: 96-2608/118.2B.W - A15



Data Reprocessed On 02/28/1996 16:52:20

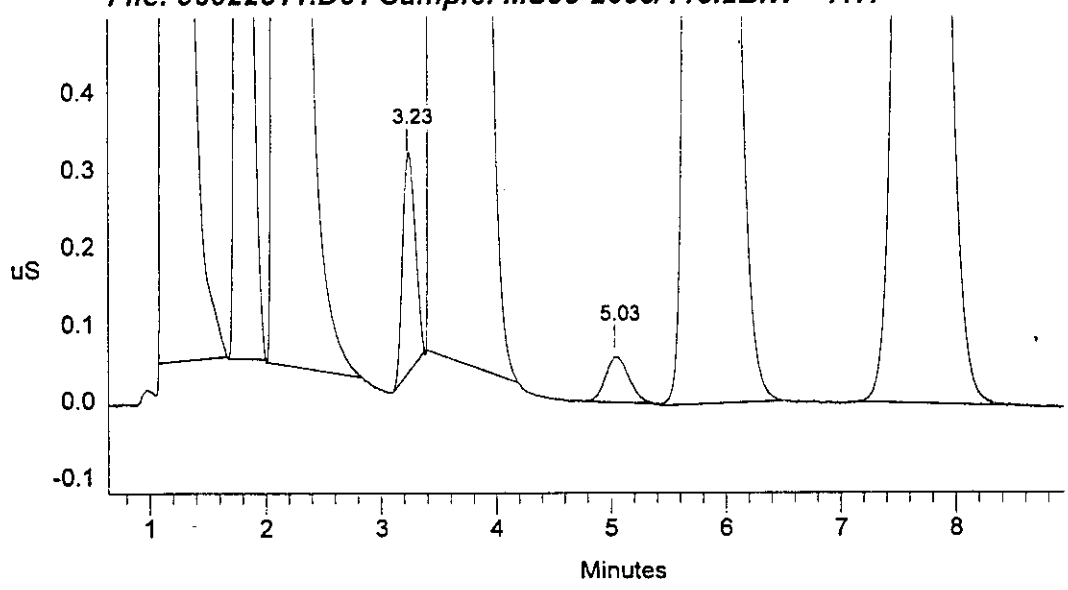
Sample Name: MS96-2608/118.2B.W - A17	Date: 02/28/1996 13:35:48
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D61	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 61 Vial:A17	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	10	3000	5Hz	0.64	8.93	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	71.652	20118401	149677918	1	4.08
2	1.78	CHLORIDE	13.116	1972287	15529566	1	0.00
3	2.17	NITRITE	307.857	32836791	278426421	1	1.25
4	3.23	BROMIDE	4.447	275983	2161779	1	-1.77
5	3.53	NITRATE	807.830	55700233	805446534	1	0.00
6	5.03		0.000	59066	844577	1	
7	5.80	PHOSPHATE	375.455	8821116	146310095	1	-2.34
8	7.70	SULFATE	92.392	4444037	83707861	1	0.00
		Totals	1672.748	124227914	1482104752		

File: 96022811.D61 Sample: MS96-2608/118.2B.W - A17



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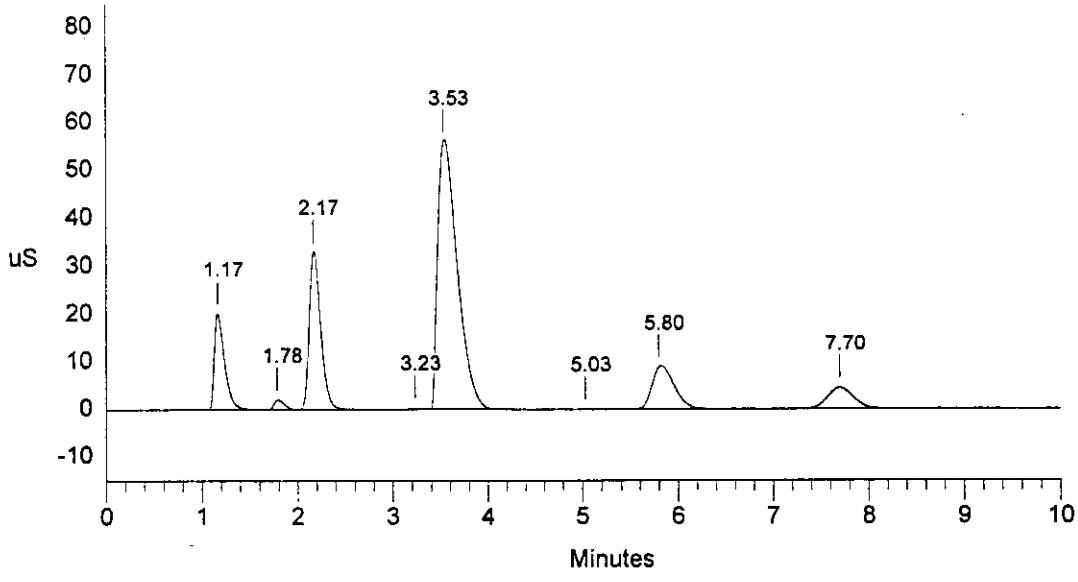
| Sample Name: MS96-2608/118.2B.W  - A17      Date: 02/28/1996 13:35:48      |
| Data File  : l:\iag\ic\icdata\9602271\96022811.D61                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 61  Vial:A17        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	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	FLUORIDE	71.652	20118401	149677918	1	4.08
2	1.78	CHLORIDE	13.116	1972287	15529566	1	0.00
3	2.17	NITRITE	308.207	32838894	278764795	1	1.25
4	3.23		0.000	268996	2045461	1	
5	3.53	BROMIDE	87.405	55663473	803910895	1	4.02
6	5.03		0.000	59066	844577	1	
7	5.80	PHOSPHATE	375.997	8822785	146552497	1	2.36
8	7.70	SULFATE	92.437	4444687	83751371	1	0.00
		Totals	948.815	124188589	1481077081		

File: 96022811.D61 Sample: MS96-2608/118.2B.W - A17



Data Reprocessed On 02/28/1996 16:58:34

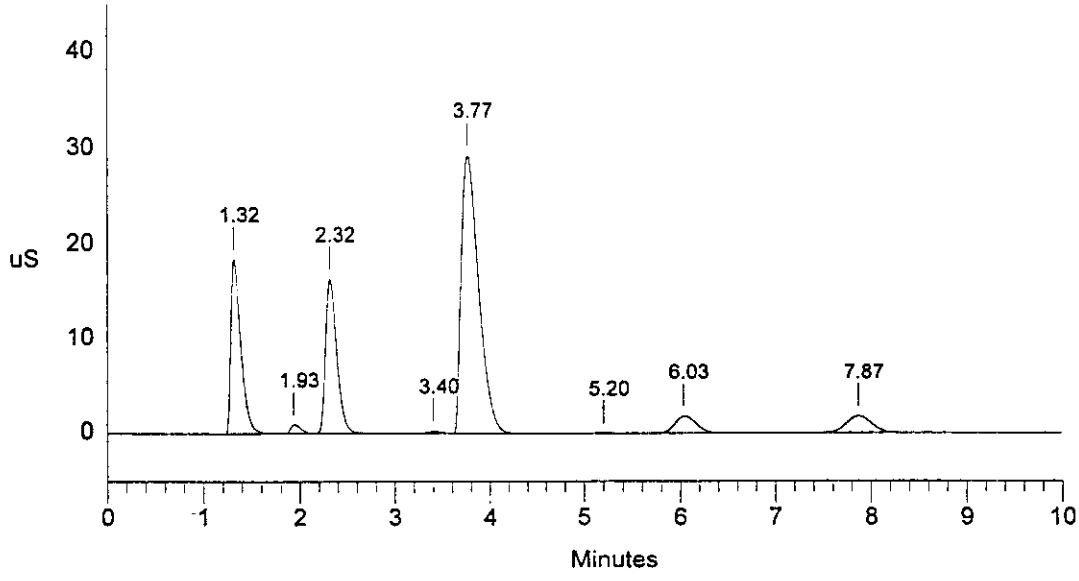
Sample Name: 96-2615/119.3A.W - A30	Date: 02/28/1996 13:47:21
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D62	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 62 Vial:A30	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.32	FLUORIDE	106.714	18427579	132496333	1	-0.42
2	1.93	CHLORIDE	10.807	917074	7083368	1	0.00
3	2.32	NITRITE	257.571	16344428	134375066	1	-0.32
4	3.40	BROMIDE	6.990	239265	2036350	1	1.93
5	3.77	NITRATE	765.491	29255641	374188449	1	0.00
6	5.20		0.000	39764	589028	1	
7	6.03	PHOSPHATE	138.557	1787113	28811200	1	-0.11
8	7.87	SULFATE	65.625	1763851	33538737	1	0.00
		Totals	1351.755	68774715	713118531		

File: 96022811.D62 Sample: 96-2615/119.3A.W - A30



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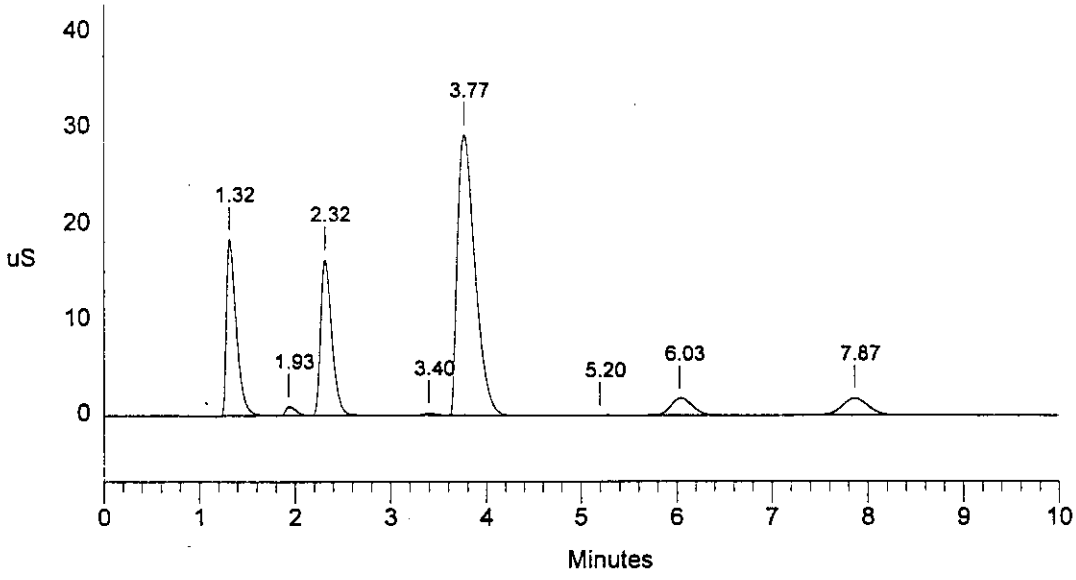
==========================================================================
| Sample Name: 96-2615/119.3A.W  - A30        Date: 02/28/1996 13:47:21   |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D62                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 62  Vial:A30        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.32		0.000	18427579	132496333	1	
2	1.93	NITRITE	20.649	917074	7083368	1	-7.94
3	2.32		0.000	16344428	134375066	1	
4	3.40	BROMIDE	6.990	239265	2036350	1	2.00
5	3.77	NITRATE	765.491	29255641	374188449	1	0.00
6	5.20		0.000	39764	589028	1	
7	6.03	PHOSPHATE	138.557	1787113	28811200	1	-0.11
8	7.87	SULFATE	65.625	1763851	33538737	1	0.00
		Totals	997.311	68774715	713118531		

File: 96022811.D62 Sample: 96-2615/119.3A.W - A30



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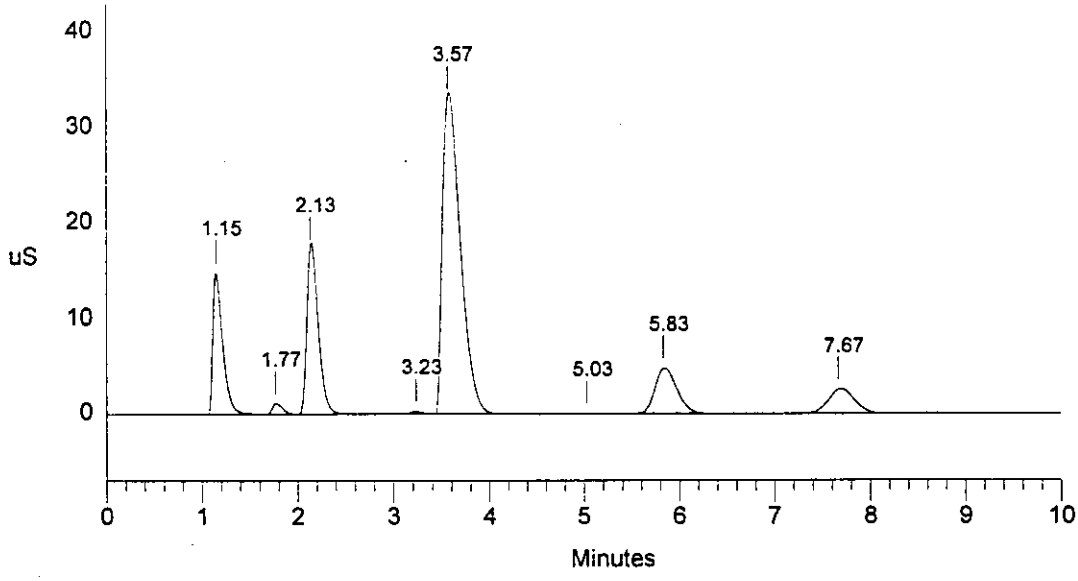
==============================================================================
| Sample Name: MS96-2615/119.3A.W  - A32      Date: 02/28/1996 13:58:53      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D63                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 63  Vial:A32        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	10	3000	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	FLUORIDE	87.257	14784798	106723365	1	3.56
2	1.77	CHLORIDE	12.427	1094461	8313905	1	0.00
3	2.13	NITRITE	281.872	17198390	147757208	1	0.63
4	3.23	BROMIDE	7.520	260543	2194098	1	-3.92
5	3.57	NITRATE	870.253	32946016	437349754	1	0.00
6	5.03		0.000	41905	596072	1	
7	5.83	PHOSPHATE	347.643	4781450	76397879	1	1.99
8	7.67	SULFATE	92.830	2503605	48823918	1	0.00
		Totals	1699.801	73611168	828156198		

File: 96022811.D63 Sample: MS96-2615/119.3A.W - A32



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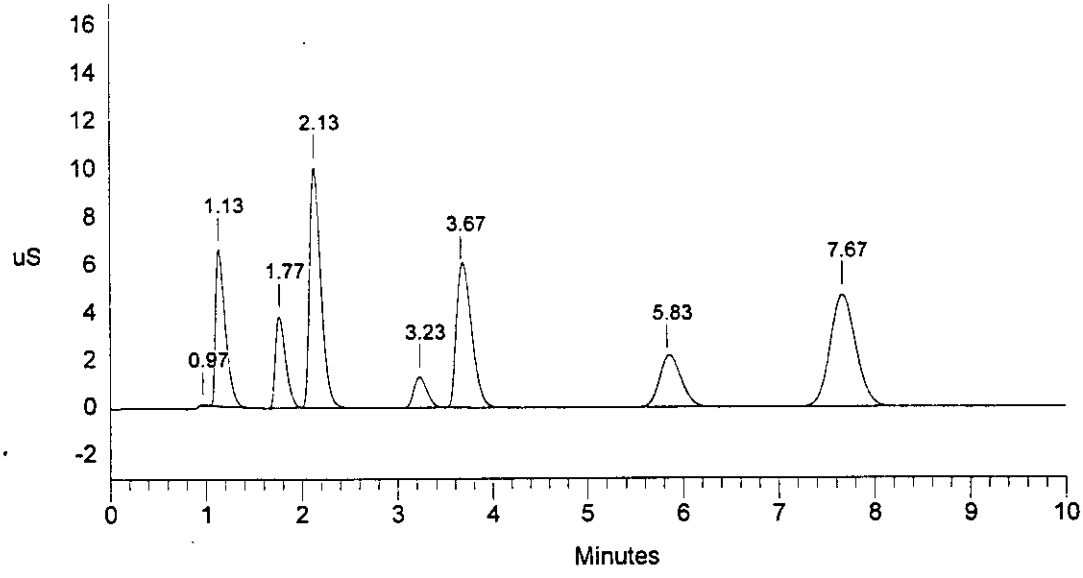
| Sample Name: A960123V1/LO  - A02            Date: 02/28/1996 14:10:17      |
| Data File  : l:\iag\ic\icdata\9602271\96022811.D64                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 64  Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	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	34570	172246	2	
2	1.13	FLUORIDE	24.045	6549244	46677820	2	2.06
3	1.77	CHLORIDE	23.238	3859725	28660822	1	0.00
4	2.13	NITRITE	96.852	10043898	82036689	1	0.63
5	3.23	BROMIDE	24.465	1296837	12220507	1	-3.92
6	3.67	NITRATE	96.854	5841380	67796995	1	0.00
7	5.83	PHOSPHATE	99.008	2092134	34636627	1	-0.79
8	7.67	SULFATE	97.277	4711143	88408404	1	0.00
		Totals	461.738	34428931	360610110		

File: 96022811.D64 Sample: A960123V1/LO - A02



Data Reprocessed On 02/28/1996 17:03:40

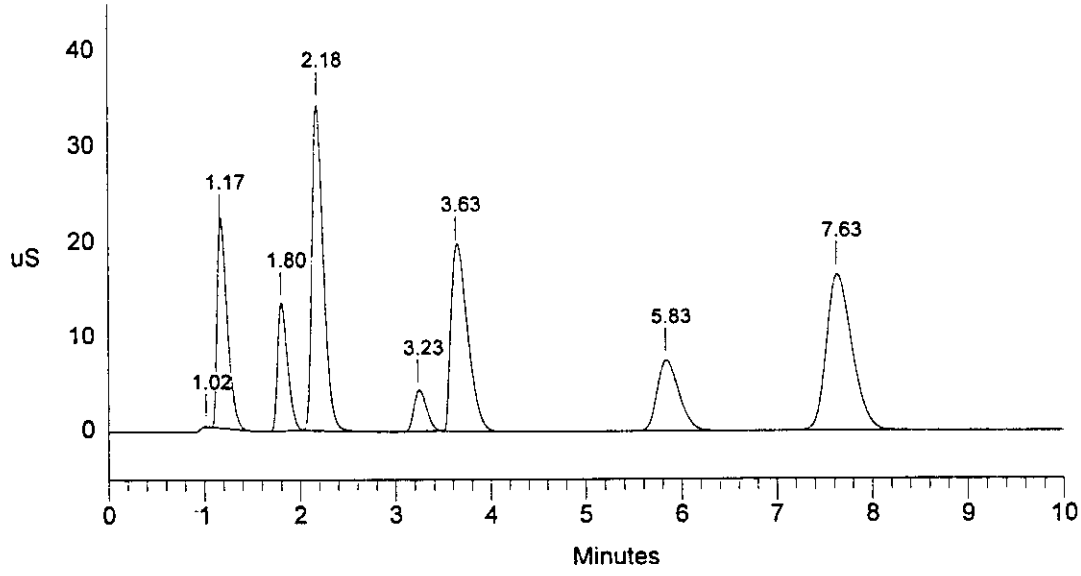
Sample Name: A960123V2/MID - A02	Date: 02/28/1996 14:21:47
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D65	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 65 Vial:A02	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	2	3000	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	80046	253666	1	
2	1.17	FLUORIDE	25.685	21217897	162029074	1	3.11
3	1.80	CHLORIDE	24.560	13435537	99206393	1	0.00
4	2.18	NITRITE	104.282	34265116	283243661	1	1.08
5	3.23	BROMIDE	25.635	4182930	39815216	1	-5.69
6	3.63	NITRATE	104.027	19229502	239812828	1	0.00
7	5.83	PHOSPHATE	104.255	7463205	119010225	1	0.12
8	7.63	SULFATE	103.546	16506289	308955967	1	0.00
		Totals	491.988	116380523	1252327028		

File: 96022811.D65 Sample: A960123V2/MID - A02



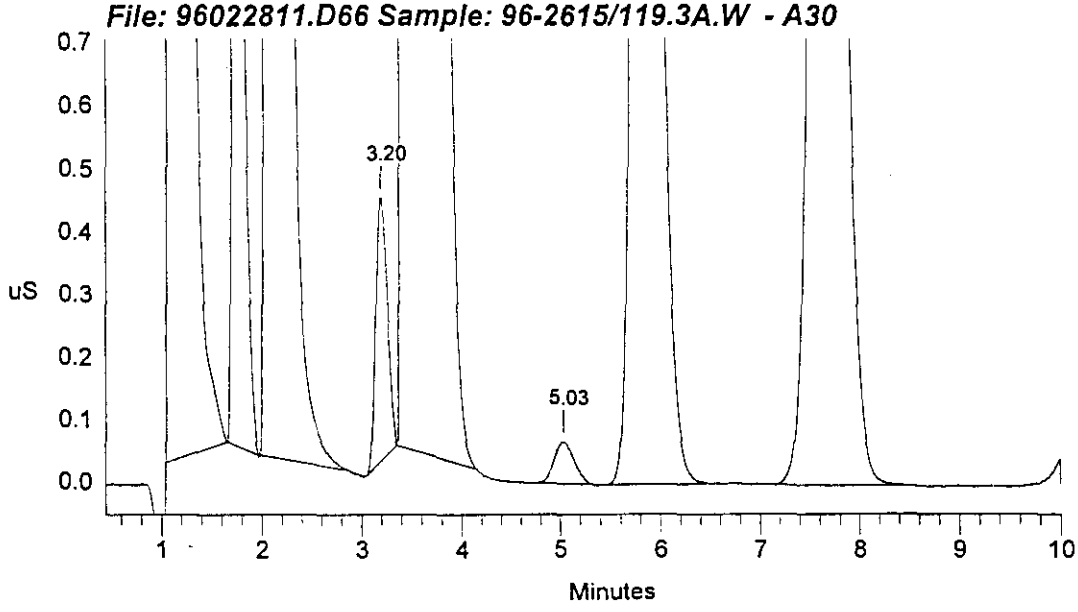
Data Reprocessed On 02/28/1996 16:54:14

Sample Name: 96-2615/119.3A.W - A30	Date: 02/28/1996 14:33:31
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D66	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 66 Vial:A30	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	5Hz	0.45	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	108.075	31773407	236112582	1	3.03
2	1.75	CHLORIDE	10.525	1577761	12215119	1	0.00
3	2.13	NITRITE	265.757	28649103	238110732	1	1.59
4	3.20	BROMIDE	6.878	419570	3370514	1	-4.00
5	3.50	NITRATE	729.006	48140282	684297685	1	0.00
6	5.03		0.000	66998	939785	1	
7	5.83	PHOSPHATE	141.044	3091167	50325930	1	3.93
8	7.67	SULFATE	65.223	3029115	57808176	1	0.00
		Totals	1326.507	116747403	1283180523		



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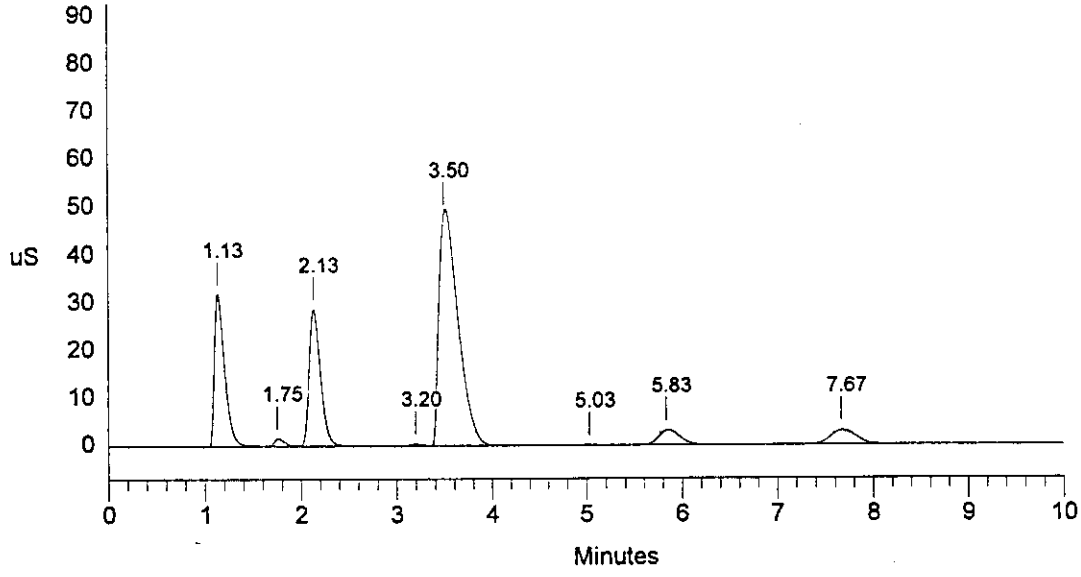
==============================================================================
| Sample Name: 96-2615/119.3A.W  - A30        Date: 02/28/1996 14:33:31      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D66                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 66  Vial:A30        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	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	FLUORIDE	108.075	31773407	236112582	1	3.03
2	1.75	CHLORIDE	10.412	1566498	12071406	1	0.00
3	2.13	NITRITE	265.896	28649846	238242691	1	1.59
4	3.20	BROMIDE	6.342	404067	3104068	1	-4.00
5	3.50	NITRATE	728.563	48130343	683676050	1	0.00
6	5.03		0.000	67040	942694	1	
7	5.83	PHOSPHATE	141.062	3091302	50332696	1	3.93
8	7.67	SULFATE	65.223	3029115	57808176	1	0.00
		Totals	1325.573	116711618	1282290364		

File: 96022811.D66 Sample: 96-2615/119.3A.W - A30



Data Reprocessed On 02/28/1996 16:56:13

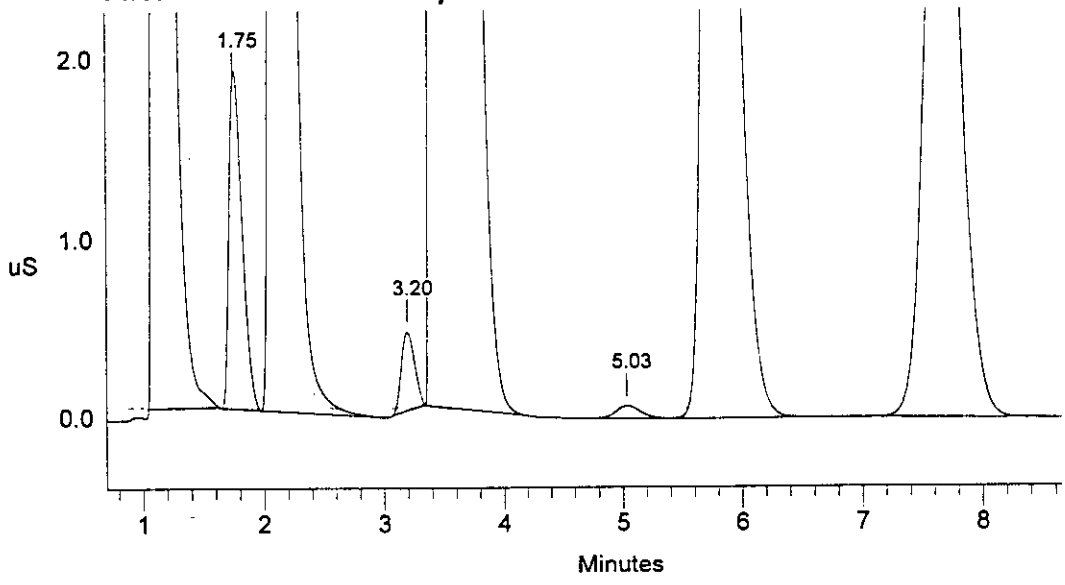
Sample Name: MS96-2615/119.3A.W - A32		Date: 02/28/1996 14:45:15	
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D67			
Method : c:\dx\method\1anions1.met			
ACI Address: 1 System: 1 Inject#: 67 Vial:A32			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	5Hz	0.70	8.65		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	89.147	25420269	190243411	1	3.03
2	1.75	CHLORIDE	12.105	1807065	14233546	1	0.00
3	2.13	NITRITE	289.726	31130788	260990678	1	1.59
4	3.20	BROMIDE	6.907	440211	3385258	1	-4.00
5	3.50	NITRATE	804.701	56697350	800158007	1	0.00
6	5.03		0.000	72059	1065922	1	
7	5.80	PHOSPHATE	355.018	8574125	137257629	1	3.34
8	7.67	SULFATE	93.331	4475903	84610924	1	0.00
		Totals	1650.935	128617770	1491945376		

File: 96022811.D67 Sample: MS96-2615/119.3A.W - A32



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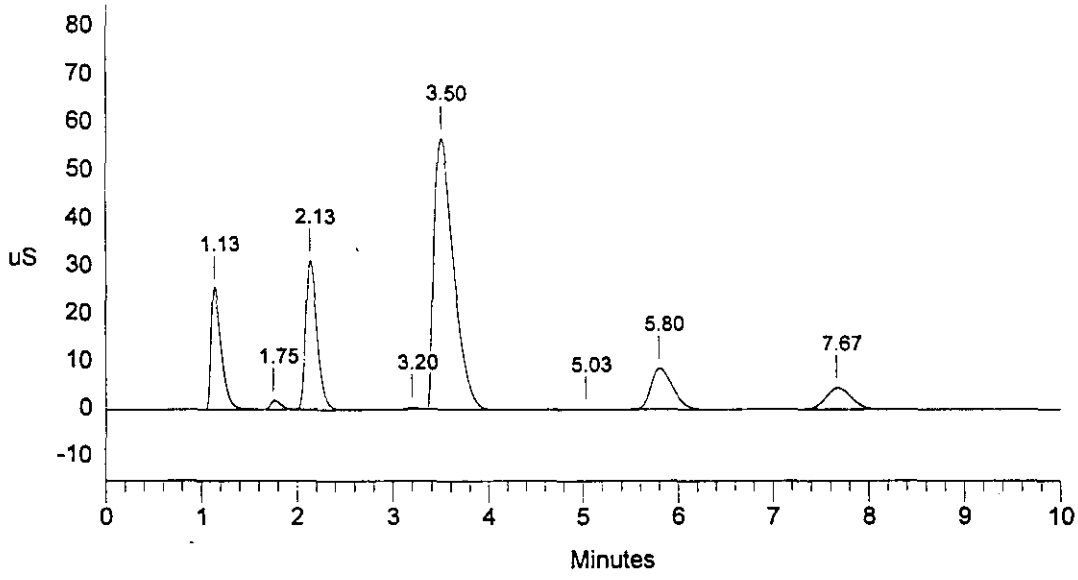
| Sample Name: MS96-2615/119.3A.W  - A32      Date: 02/28/1996 14:45:15      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D67                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 67  Vial:A32        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	10	3000	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	FLUORIDE	89.147	25420269	190243411	1	3.03
2	1.75	CHLORIDE	12.105	1807065	14233546	1	0.00
3	2.13	NITRITE	289.726	31130788	260990678	1	1.59
4	3.20	BROMIDE	5.475	388915	2672868	1	-4.00
5	3.50	NITRATE	804.474	56695862	799776511	1	0.00
6	5.03		0.000	72059	1065922	1	
7	5.80	PHOSPHATE	355.018	8574125	137257629	1	3.34
8	7.67	SULFATE	93.334	4475918	84613498	1	0.00
		Totals	1649.279	128565001	1490854063		

File: 96022811.D67 Sample: MS96-2615/119.3A.W - A32



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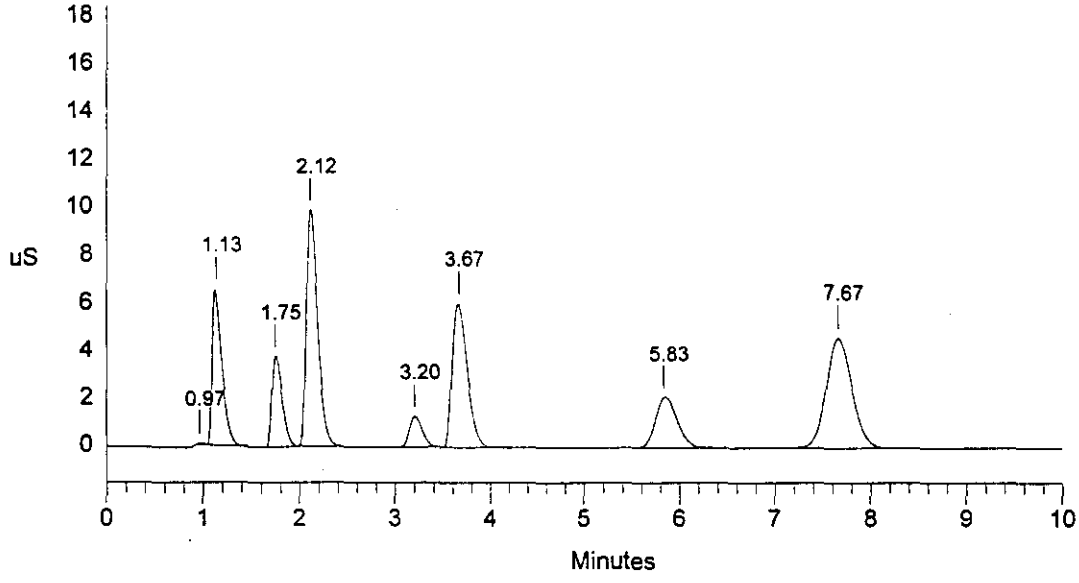
==========================================================================
| Sample Name: A960123V1/LO  - A02            Date: 02/28/1996 14:56:39   |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D68                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 68  Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	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	42187	207797	2	
2	1.13	FLUORIDE	23.645	6502011	45853655	2	3.03
3	1.75	CHLORIDE	22.970	3771339	28309594	1	0.00
4	2.12	NITRITE	95.023	9830679	80393519	1	0.79
5	3.20	BROMIDE	24.322	1257235	12148220	1	-4.00
6	3.67	NITRATE	95.205	6015117	66565639	1	0.00
7	5.83	PHOSPHATE	97.071	2063554	33923100	1	-0.79
8	7.67	SULFATE	95.451	4627319	86650072	1	0.00
		Totals	453.689	34109441	354051596		

File: 96022811.D68 Sample: A960123V1/LO - A02



Data Reprocessed On 02/28/1996 16:57:20

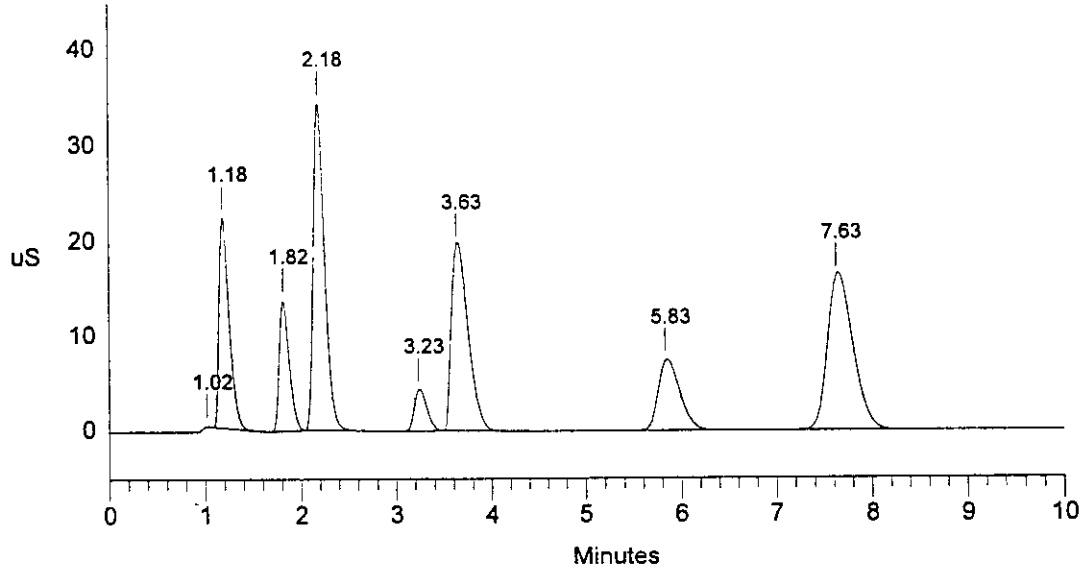
Sample Name: A960123V2/MID - A02	Date: 02/28/1996 15:08:09
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602271\96022811.D69	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 69 Vial:A02	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	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	53308	160536	1	
2	1.18	FLUORIDE	25.574	22050119	161268574	1	3.63
3	1.82	CHLORIDE	24.622	13696213	99486491	1	0.00
4	2.18	NITRITE	103.754	34157061	281714587	1	0.15
5	3.23	BROMIDE	25.638	4230296	39820930	1	-3.57
6	3.63	NITRATE	103.826	19442109	239296740	1	0.00
7	5.83	PHOSPHATE	104.064	7281758	118766979	1	-1.78
8	7.63	SULFATE	103.286	16195804	308087208	1	0.00
		Totals	490.766	117106667	1248602045		

File: 96022811.D69 Sample: A960123V2/MID - A02



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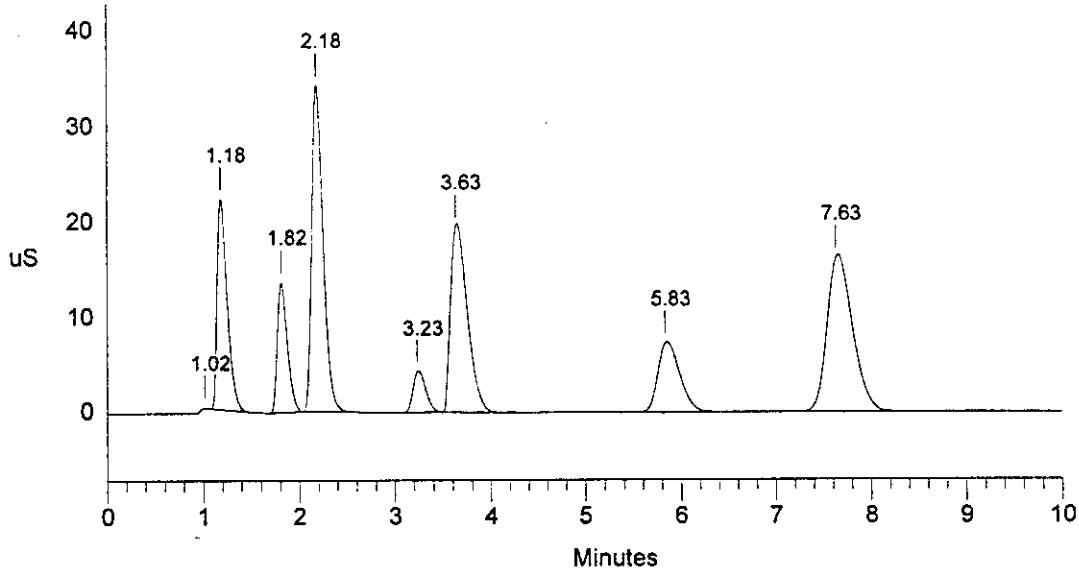
| Sample Name: A960123V2/MID  - A02          Date: 02/28/1996 15:08:09       |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D69                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 69  Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	2	3000	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	53308	160536	1	
2	1.18	FLUORIDE	25.574	22050119	161268574	1	3.63
3	1.82	CHLORIDE	24.622	13696213	99486491	1	0.00
4	2.18	NITRITE	103.754	34157061	281714587	1	0.15
5	3.23		0.000	4230296	39820930	1	
6	3.63	BROMIDE	116.016	19442109	239296740	1	5.00
7	5.83	PHOSPHATE	104.064	7281758	118766979	1	0.12
8	7.63	SULFATE	103.286	16195804	308087208	1	0.00
		Totals	477.317	117106667	1248602045		

File: 96022811.D69 Sample: A960123V2/MID - A02



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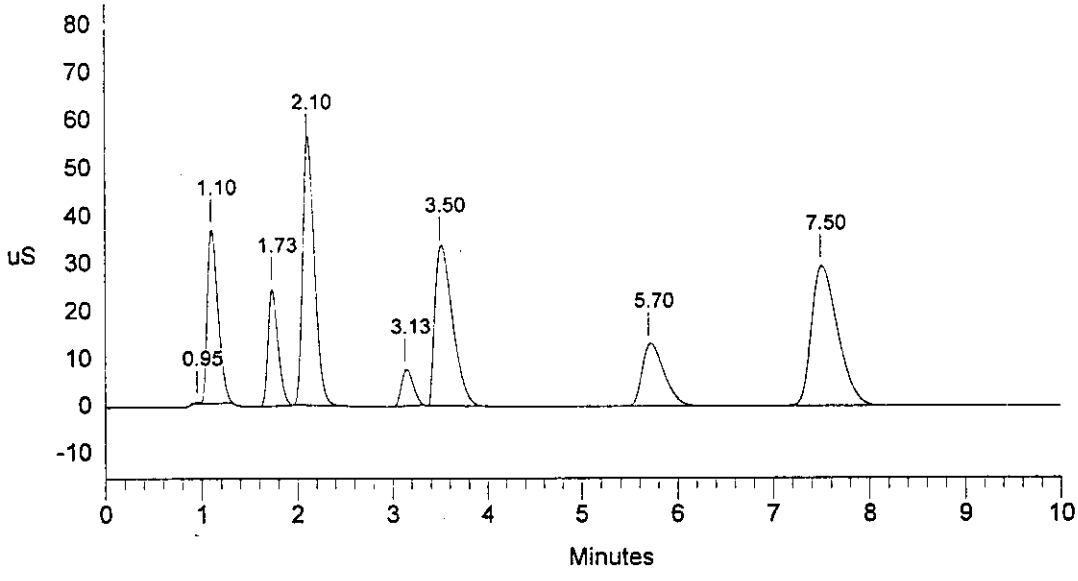
==============================================================================
| Sample Name: A960123V3/HI  - A02            Date: 02/28/1996 15:19:49      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D70                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 70  Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	282583	1083871	2	
2	1.10	FLUORIDE	25.252	36019387	282403919	2	0.96
3	1.73	CHLORIDE	24.724	24518721	180572142	1	0.00
4	2.10	NITRITE	103.128	54173923	487013525	1	0.96
5	3.13	BROMIDE	25.139	7415430	67396701	1	-5.10
6	3.50	NITRATE	104.137	32906708	435828924	1	0.00
7	5.70	PHOSPHATE	104.340	12900922	216287857	1	1.56
8	7.50	SULFATE	103.533	29173726	562618351	1	0.00
		Totals	490.252	197391401	2233205290		

File: 96022811.D70 Sample: A960123V3/HI - A02



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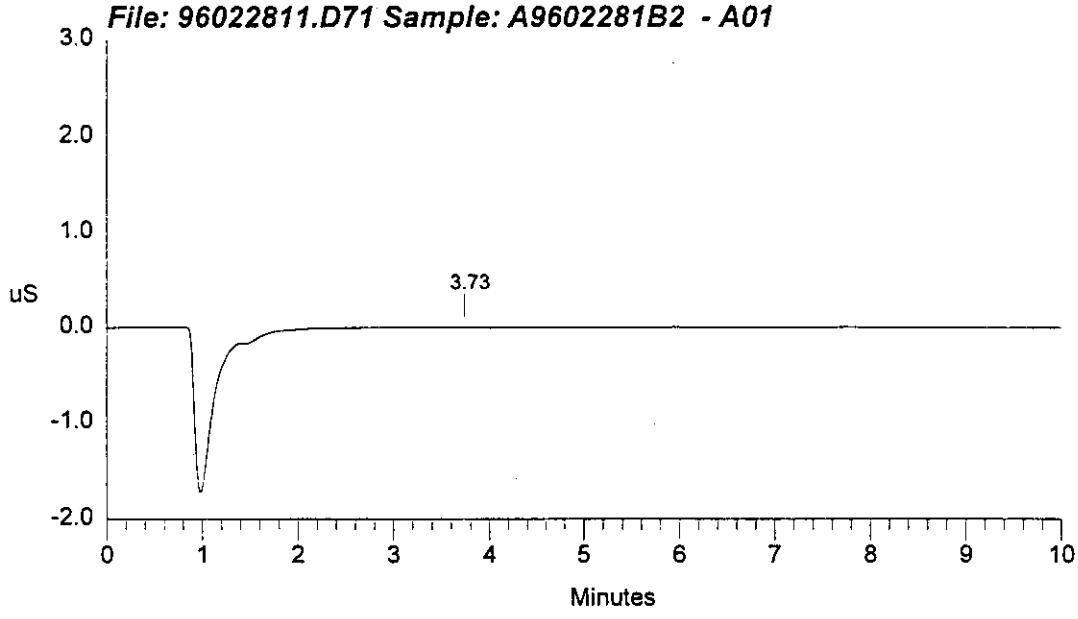
==============================================================================
| Sample Name: A9602281B2  - A01              Date: 02/28/1996 15:31:54      |
| Data File  : 1:\iag\ic\icdata\9602271\96022811.D71                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 71  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.73	NITRATE	0.193	6551	63445	1	0.00
		Totals	0.193	6551	63445		



AI-450 AS3500 Editor - 02261SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A01	100	1	ddi	1anions1	96022611	1	1	
2	A04	10	1	A960123V1/LO acc	1anions1	96022611	2	1	
3	A04	30	1	A960123V2/MIDacc	1anions1	96022611	2	1	
4	A04	50	1	A960123V3/HI acc	1anions1	96022611	2	1	
5	A01	100	1	A9602261B1 acc.	1anions1	96022611	1	1	
6	A11	100	1	DILUTION BLANK acc	1anions1	96022611	1	1	
7	A07	3	1	DUP96-2620/HYD-FLUID	1anions1	96022611	100	1	
8	A06	1	1	DUP96-2620/HYD-FLUID	1anions1	96022611	10	1	
9	A06	10	1	DUP96-2620/HYD-FLUID	1anions1	96022611	10	1	
10	A08	100	1	DUP96-2848BLK	1anions1	96022611	1	1	
11	A09	10	1	DUP96-2848/118.1ADL.	1anions1	96022611	10	1	
12	A10	10	1	DUP96-2850/118.3DL.L	1anions1	96022611	10	1	
13	A09	100	1	DUP96-2848/118.1ADL.	1anions1	96022611	10	1	
14	A10	100	1	DUP96-2850/118.3DL.L	1anions1	96022611	10	1	
15	A12	1	1	96-2605/118.1AA.W	1anions1	96022611	1	1	
16	A04	10	1	A960123V1/LO acc	1anions1	96022611	2	1	
17	A04	30	1	A960123V2/MIDacc	1anions1	96022611	2	1	
18	A04	50	1	A960123V3/HI acc	1anions1	96022611	2	1	
19	A01	100	1	A9602261B2 acc	1anions1	96022611	1	1	
20	A01	0	1	shutdn	1shutdn	96022611	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	A01	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
2	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
3	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
5	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A11	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
7	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
10	A08	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
11	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A10	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

13	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A10	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A12	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
16	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
18	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
19	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
20	A01	Off	18	Off	0	0.00	400	Normal	Normal	Push	2.0

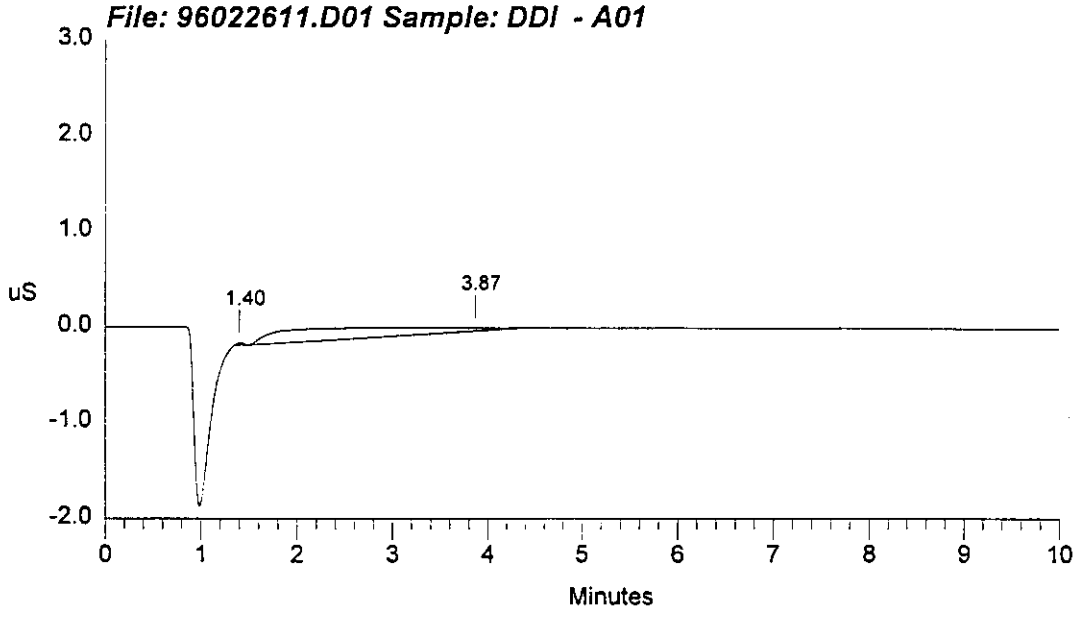
Comment:

```
==============================================================================
| Sample Name: DDI  - A01                      Date: 02/26/1996 09:14:43      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D01                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 1   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.40	FLUORIDE	0.051	22818	110690	1	9.09
2	3.87	NITRATE	1.097	33924	12979325	1	0.00
		Totals	1.148	56742	13090014		



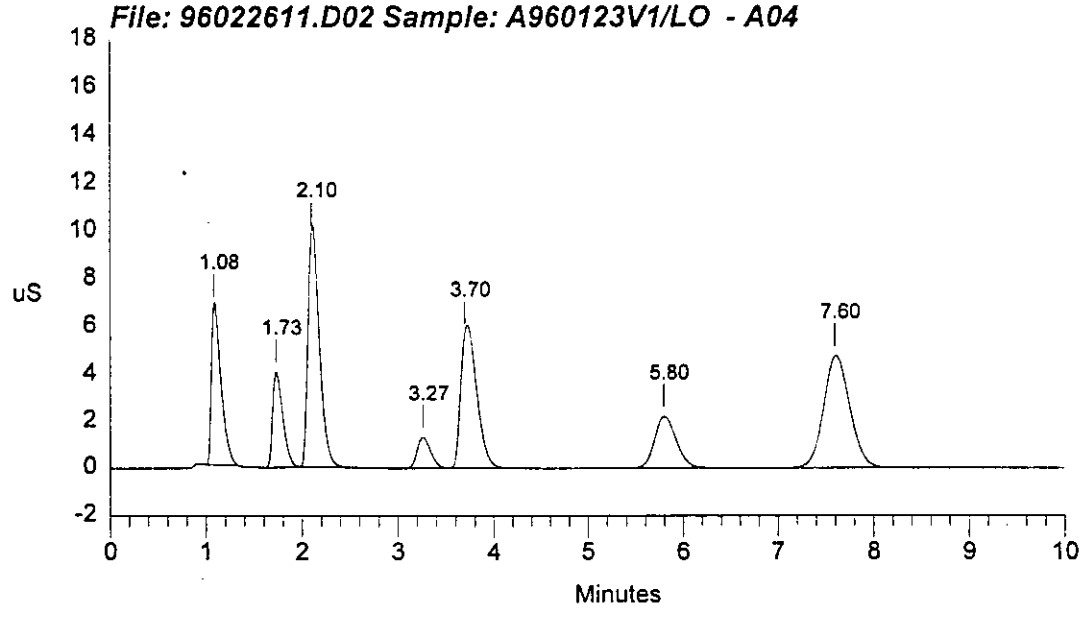
Data Reprocessed On 02/28/1996 09:22:35

Sample Name: A960123V1/LO - A04	Date: 02/26/1996 09:26:04
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.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 (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	24.330	6698160	47267234	1	0.12
2	1.73	CHLORIDE	24.390	4066793	30174714	1	0.00
3	2.10	NITRITE	98.218	9792282	83264946	1	-0.19
4	3.27	BROMIDE	25.113	1307183	12550439	1	-2.19
5	3.70	NITRATE	99.587	5669204	69840462	1	0.00
6	5.80	PHOSPHATE	101.359	2206929	35503991	1	-2.25
7	7.60	SULFATE	99.727	4739978	90771016	1	0.00
		Totals	472.724	34480529	369372802		



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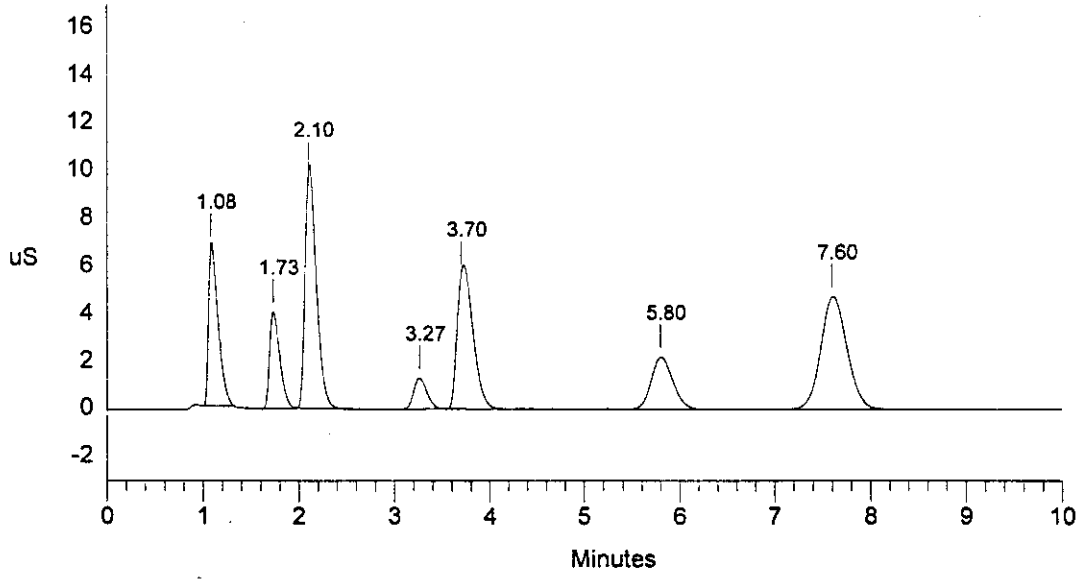
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/26/1996 09:26:04      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D02                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 2   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08		0.000	6698160	47267234	1	
2	1.73		0.000	4066793	30174714	1	
3	2.10		0.000	9792282	83264946	1	
4	3.27	BROMIDE	25.113	1307183	12550439	1	-2.00
5	3.70	NITRATE	99.587	5669204	69840462	1	0.00
6	5.80	PHOSPHATE	101.359	2206929	35503991	1	-2.25
7	7.60	SULFATE	99.727	4739978	90771016	1	0.00
		Totals	325.786	34480529	369372802		

File: 96022611.D02 Sample: A960123V1/LO - A04



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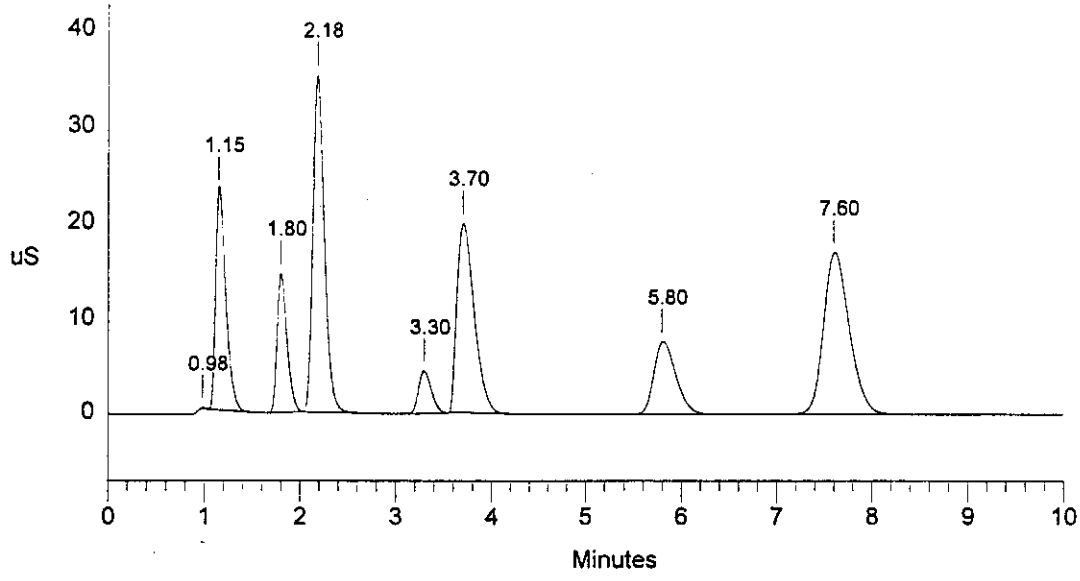
==============================================================================
| Sample Name: A960123V2/MID  - A04            Date: 02/26/1996 09:37:36      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D03                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 3   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	137988	647625	2	
2	1.15	FLUORIDE	26.863	23039338	170194750	2	1.64
3	1.80	CHLORIDE	25.991	14637889	105676064	1	0.00
4	2.18	NITRITE	107.221	35164063	291780919	1	1.08
5	3.30	BROMIDE	26.774	4495084	41682291	1	-3.75
6	3.70	NITRATE	107.061	19770744	247660745	1	0.00
7	5.80	PHOSPHATE	108.122	7673681	123960157	1	-2.25
8	7.60	SULFATE	107.494	16968490	322223203	1	0.00
		Totals	509.526	121887276	1303825755		

File: 96022611.D03 Sample: A960123V2/MID - A04



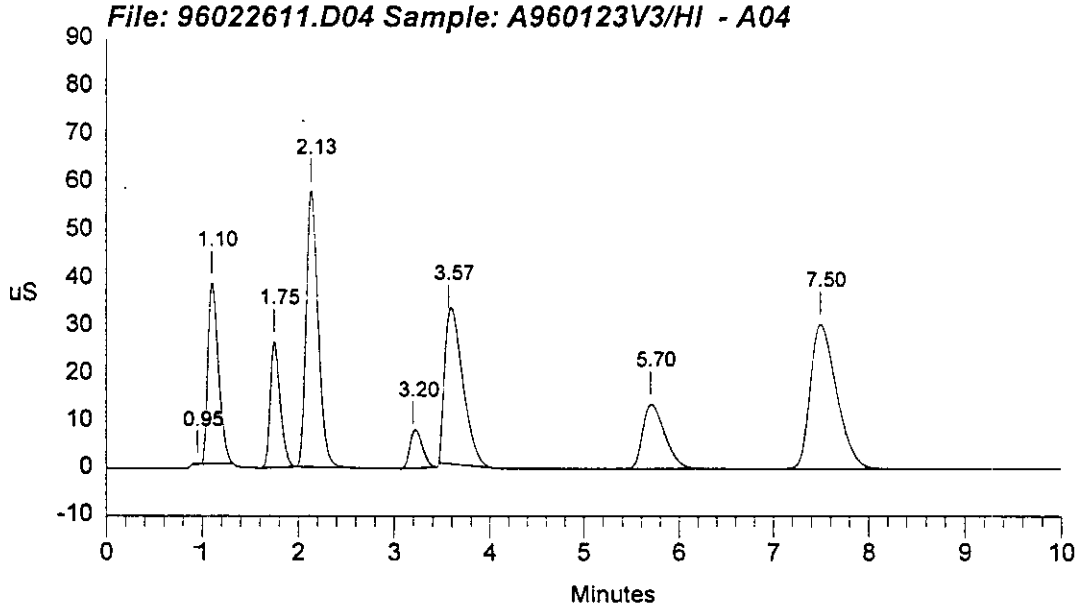
Data Reprocessed On 02/26/1996 09:50:40

Sample Name: A960123V3/HI - A04	Date: 02/26/1996 09:49:17
Data File : L:\IAG\IC\ICDATA\9602261\96022611.D04	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 4 Vial:A04	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	212431	807979	2	
2	1.10	FLUORIDE	26.096	37877981	293503053	2	0.00
3	1.75	CHLORIDE	26.089	26533420	192952677	1	0.00
4	2.13	NITRITE	106.498	57711316	504705590	1	1.59
5	3.20	BROMIDE	26.748	7273127	72153464	1	-4.00
6	3.57	NITRATE	104.270	30809875	436518282	1	0.00
7	5.70	PHOSPHATE	108.006	13708535	225830387	1	-0.34
8	7.50	SULFATE	107.325	30442498	588700560	1	0.00
		Totals	505.032	204569184	2315171992		



Data Reprocessed On 02/28/1996 08:44:27

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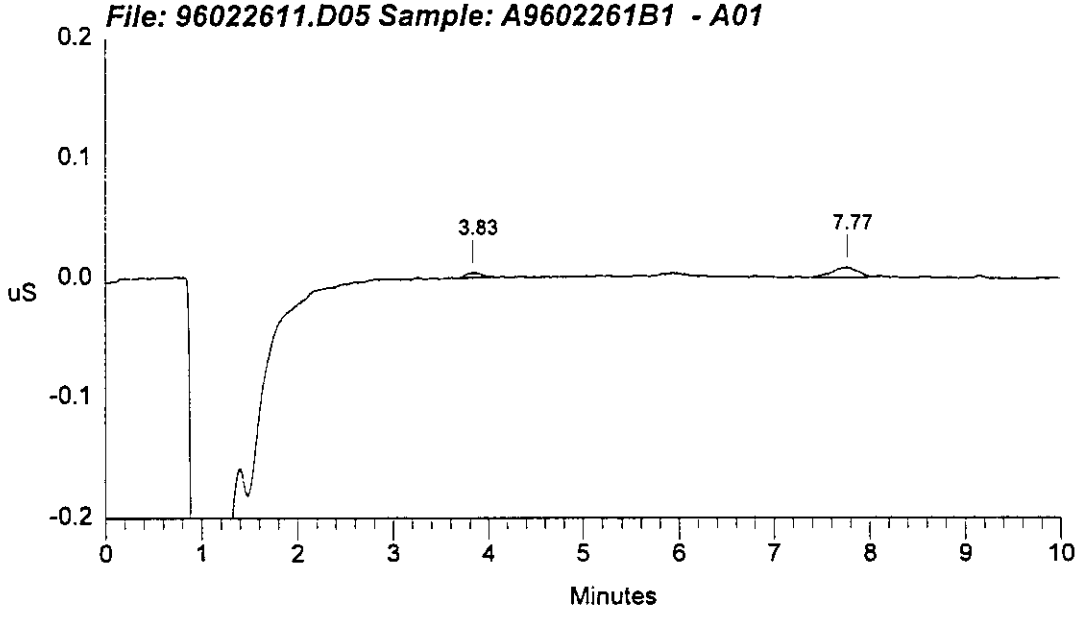
==============================================================================
| Sample Name: A9602261B1  - A01                Date: 02/26/1996 10:01:27     |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D05                 |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.83	NITRATE	0.191	4042	44810	1	0.00
2	7.77	SULFATE	0.161	8457	160657	1	0.00
		Totals	0.352	12498	205467		



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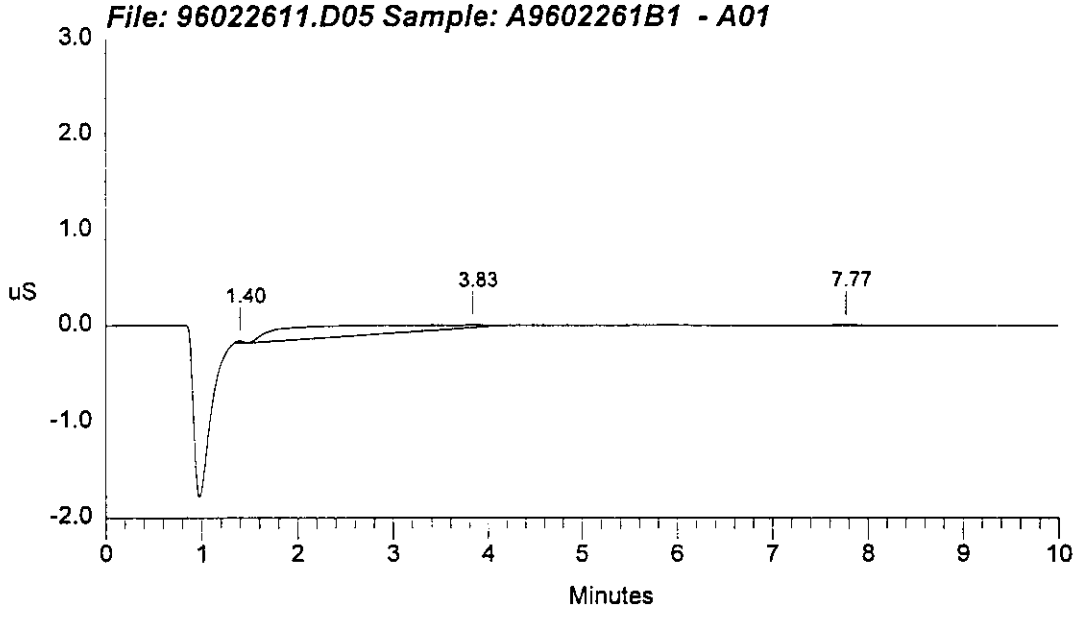
==============================================================================
| Sample Name: A9602261B1  - A01              Date: 02/26/1996 10:01:27      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D05                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.40		0.000	22136	98992	1	
2	3.83	NITRATE	1.036	28313	12099184	1	0.00
3	7.77	SULFATE	0.162	8620	176501	1	0.00
		Totals	1.198	59069	12374677		



Data Reprocessed On 02/28/1996 08:45:26

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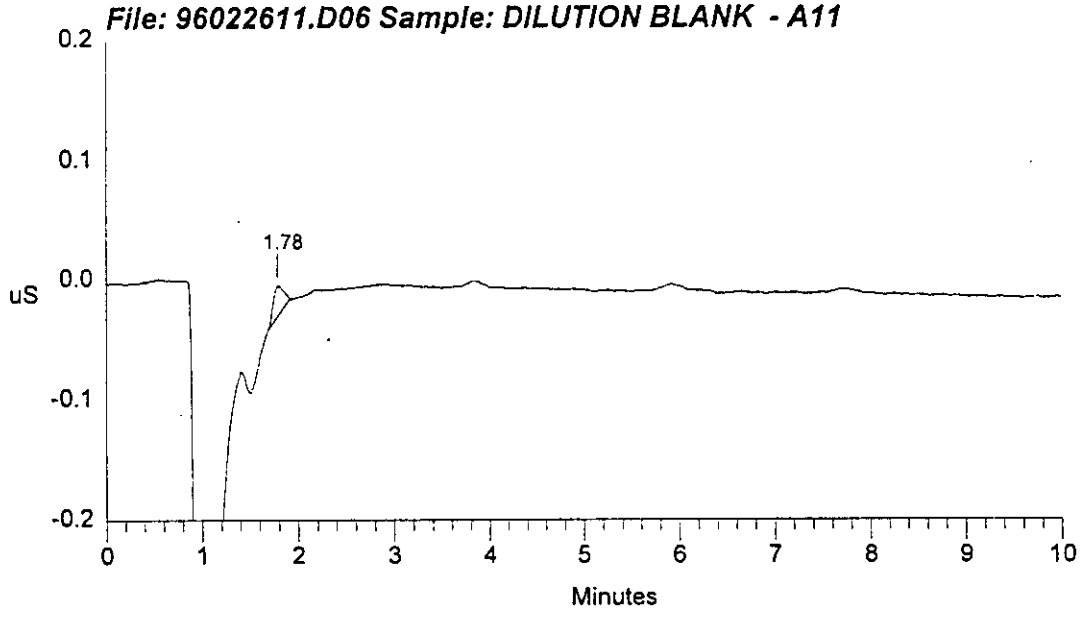
| Sample Name: DILUTION BLANK  - A11          Date: 02/26/1996 10:17:56      |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D06                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A11        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
```

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	1.78	CHLORIDE	0.050	24872	184484	1	0.00
		Totals	0.050	24872	184484		



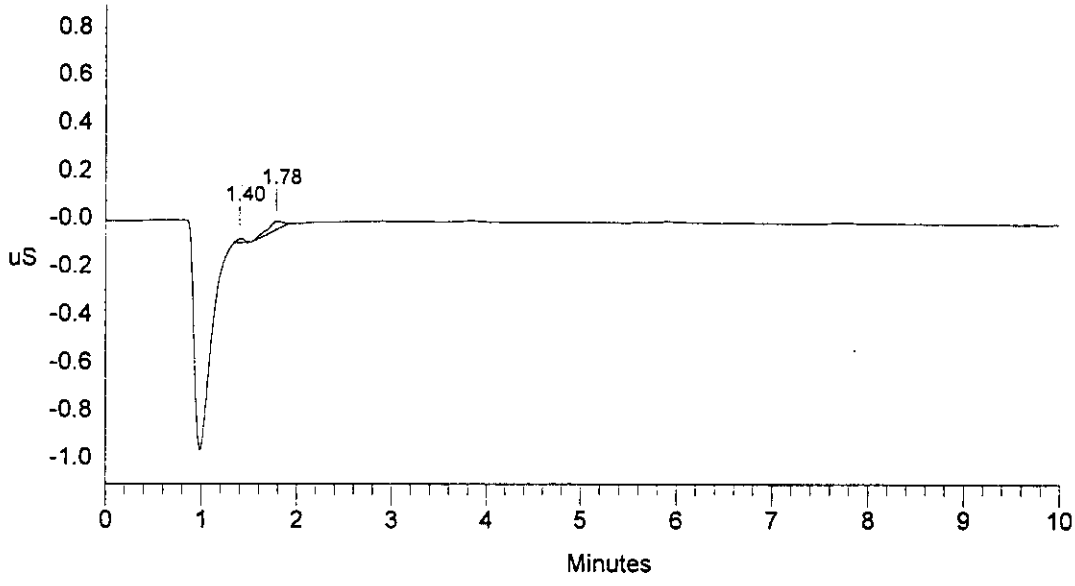
```
==============================================================================
| Sample Name: DILUTION BLANK  - A11          Date: 02/26/1996 10:17:56      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D06                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A11       Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.40		0.000	16954	87064	1	
2	1.78	CHLORIDE	0.059	35500	412827	1	0.00
		Totals	0.059	52453	499891		

File: 96022611.D06 Sample: DILUTION BLANK - A11



Data Reprocessed On 02/28/1996 08:47:03

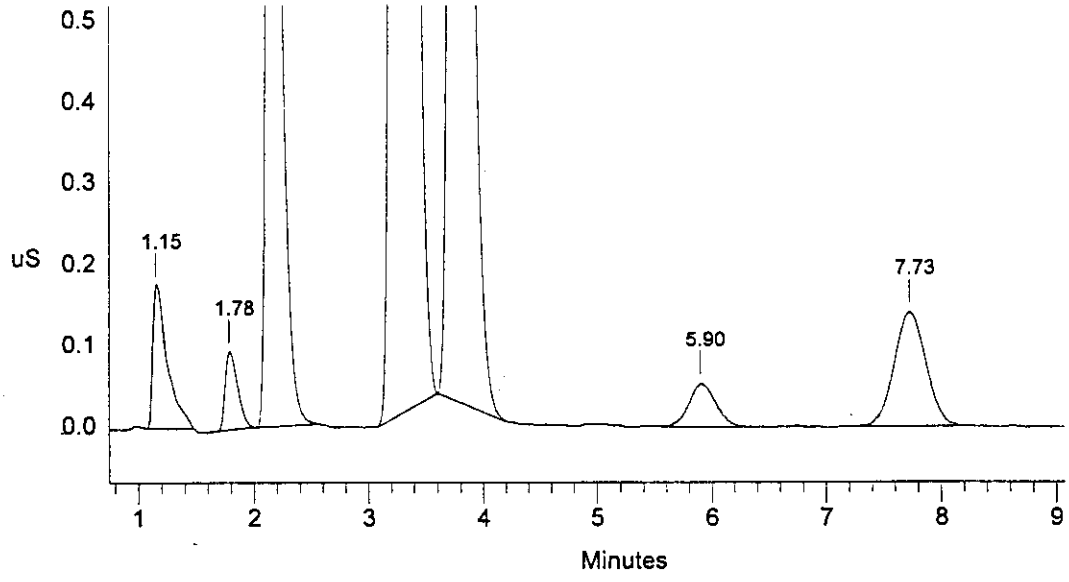
Sample Name:	DUP96-2620/HYD-FLUID.D - A07 Date: 02/26/1996 10:29:12
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D07
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 7 Vial:A07 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	100	3000	5Hz	0.75	9.08	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	290.165	174806	1539824	1	2.59
2	1.78	CHLORIDE	237.590	94804	721001	1	0.00
3	2.17	NITRITE	2798.252	1309757	10941214	1	1.25
4	3.27	BROMIDE	20722.986	6363097	66601884	1	-3.83
5	3.77	NITRATE	6649.192	2180324	25911236	1	0.00
6	5.90	PHOSPHATE	833.505	52604	872799	1	-2.32
7	7.73	SULFATE	998.523	140960	2701508	1	0.00
		Totals	32530.213	10316353	109289467		

File: 96022611.D07 Sample: DUP96-2620/HYD-FLUID.D - A07



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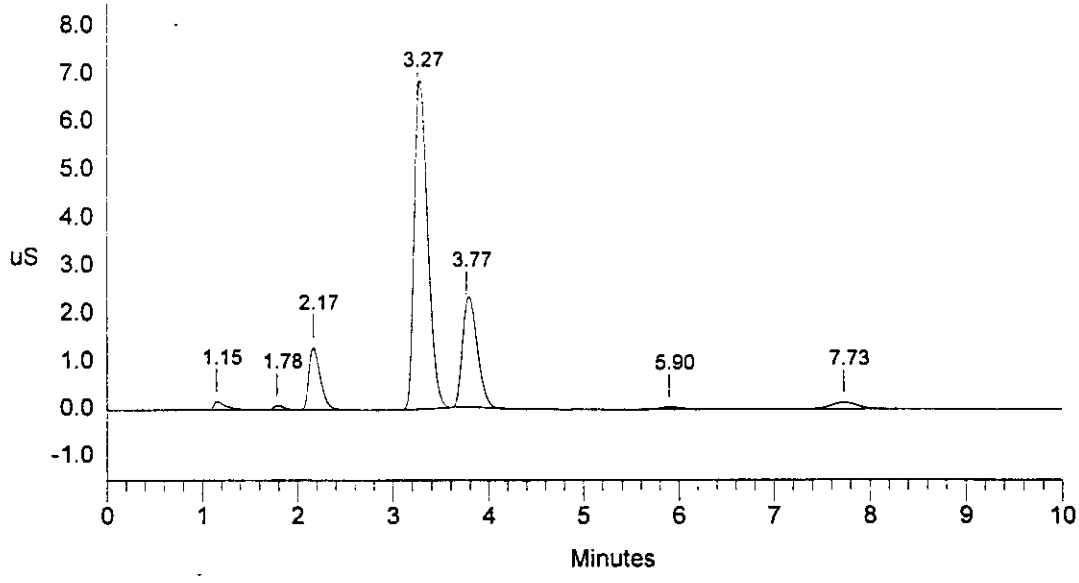
==========================================================================
| Sample Name: DUP96-2620/HYD-FLUID.D  - A07  Date: 02/26/1996 10:29:12   |
| Data File  : l:\iag\ic\icdata\9602261\96022611.D07                      |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 7   Vial:A07        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	3	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	1.15	FLUORIDE	290.165	174806	1539824	1	2.59
2	1.78	CHLORIDE	237.590	94804	721001	1	0.00
3	2.17	NITRITE	2812.904	1310779	11018340	1	1.25
4	3.27	BROMIDE	20722.986	6363097	66601884	1	-3.83
5	3.77	NITRATE	6445.146	2155144	25025103	1	0.00
6	5.90	PHOSPHATE	831.362	52473	868298	1	-2.32
7	7.73	SULFATE	993.580	140494	2674356	1	0.00
		Totals	32333.733	10291597	108448806		

File: 96022611.D07 Sample: DUP96-2620/HYD-FLUID.D - A07



Data Reprocessed On 02/28/1996 08:52:23

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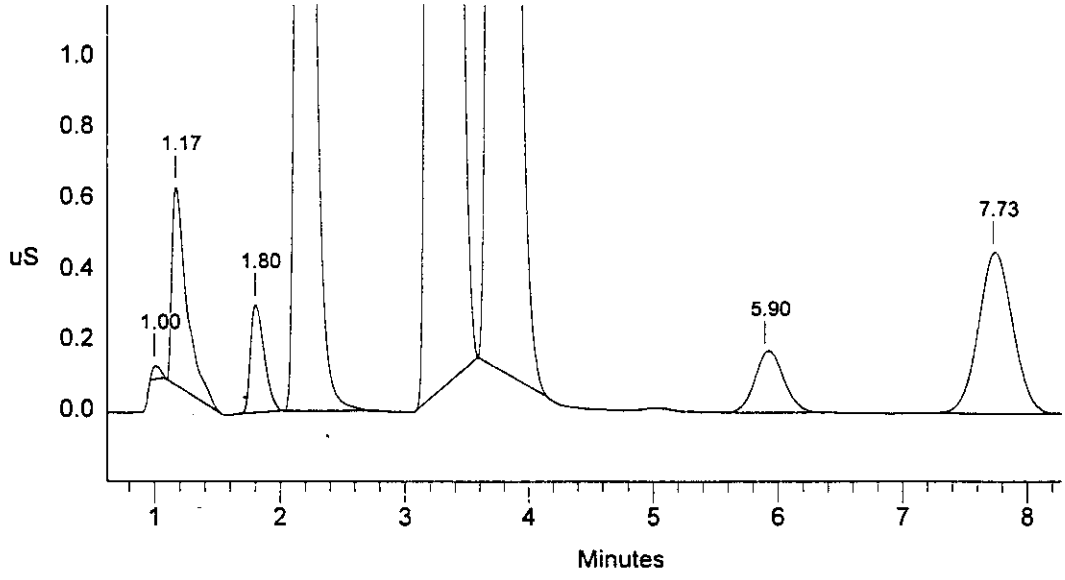
==========================================================================
| Sample Name: DUP96-2620/HYD-FLUID.D  - A06  Date: 02/26/1996 10:40:28   |
| Data File  : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D08            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A06       Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10	3000	5Hz	0.62	8.28	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00		0.000	35537	167466	1	
2	1.17	FLUORIDE	164.197	554819	4606179	1	3.11
3	1.80	CHLORIDE	134.492	302142	2304814	1	0.00
4	2.17	NITRITE	2359.462	4362061	37732483	1	0.31
5	3.27	BROMIDE	17909.466	25874945	251149661	1	-4.72
6	3.73	NITRATE	6376.774	7479098	90920565	1	0.00
7	5.90	PHOSPHATE	526.651	165924	2812620	1	-1.45
8	7.73	SULFATE	627.339	450713	8713050	1	0.00
		Totals	28098.381	39225239	398406838		

File: 96022611.D08 Sample: DUP96-2620/HYD-FLUID.D - A06



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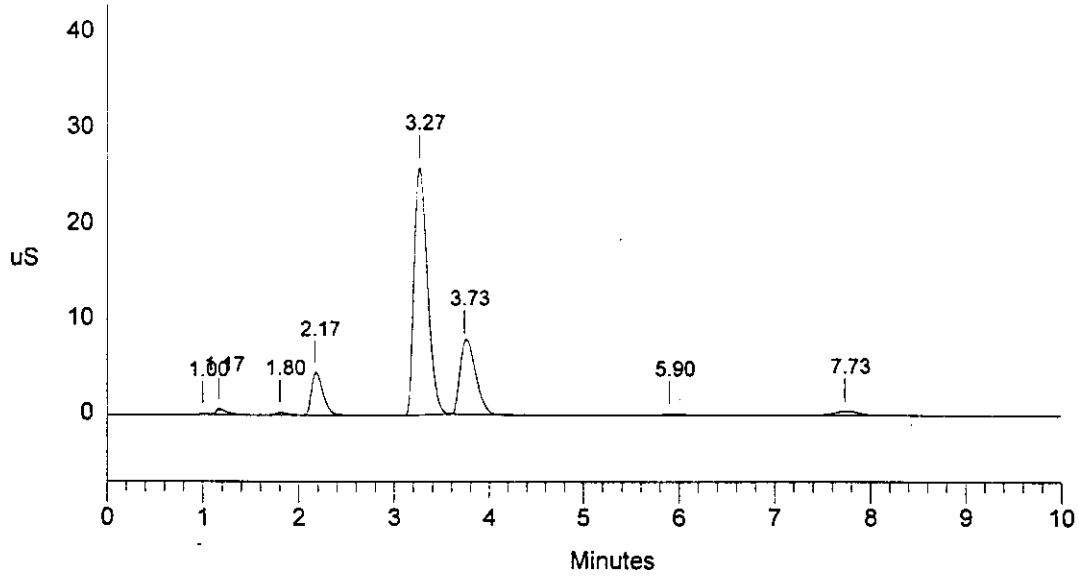
==============================================================================
| Sample Name: DUP96-2620/HYD-FLUID.D  - A06  Date: 02/26/1996 10:40:28      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D08                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10	3000	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	42877	259942	2	
2	1.17	FLUORIDE	172.364	574967	4931262	2	3.11
3	1.80	CHLORIDE	135.667	303584	2334285	1	0.00
4	2.17	NITRITE	2365.766	4362733	37844102	1	0.31
5	3.27	BROMIDE	17889.184	25862652	250660070	1	-4.72
6	3.73	NITRATE	6217.541	7451726	88501210	1	0.00
7	5.90	PHOSPHATE	531.986	166352	2850089	1	-1.45
8	7.73	SULFATE	631.408	451647	8787805	1	0.00
		Totals	27943.915	39216538	396168765		

File: 96022611.D08 Sample: DUP96-2620/HYD-FLUID.D - A06



Data Reprocessed On 02/28/1996 08:58:39

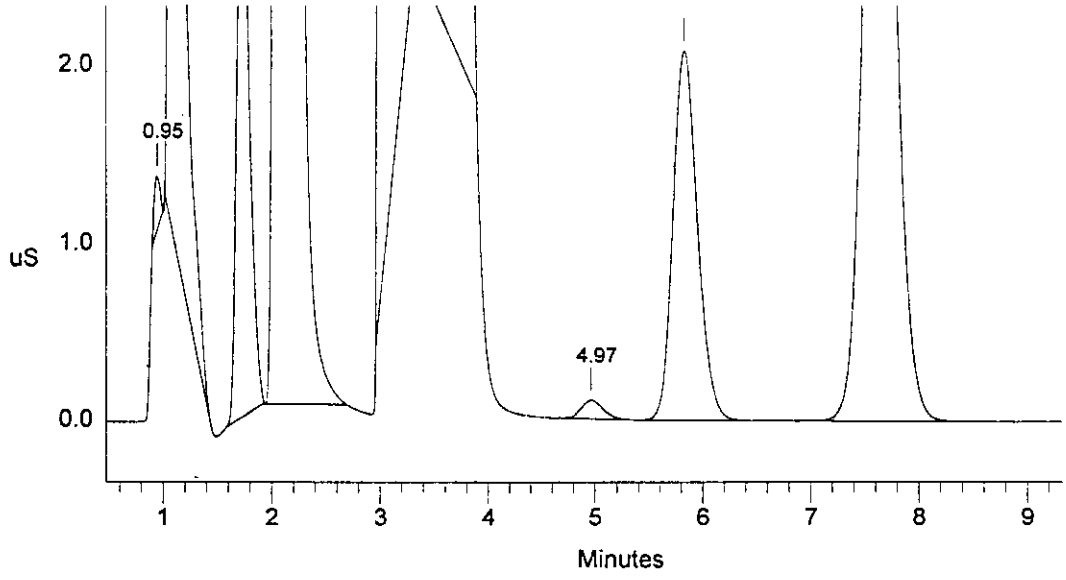
Sample Name: DUP96-2620/HYD-FLUID.D - A06 Date: 02/26/1996 10:51:49
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D09
Method : c:\dx\method\1anions1.met
ACI Address: 1 System: 1 Inject#: 9 Vial:A06 Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.47	9.33	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95		0.000	294812	1122931	1	
2	1.10	FLUORIDE	131.234	6105008	51232824	1	0.96
3	1.73	CHLORIDE	105.605	3148757	25889647	1	0.00
4	2.12	NITRITE	2540.189	53043139	479075014	1	1.76
5	3.10	BROMIDE	-111571.934	365190036	3514128952	1	0.96
6	3.43	NITRATE	4689.744	73538512	1102345338	1	0.10
7	4.97		0.000	103156	1449666	1	
8	5.83	PHOSPHATE	470.898	2077859	32859095	1	-1.63
9	7.63	SULFATE	565.745	5507415	103775810	1	0.00
		Totals	-103068.520	509008693	5311879277		

File: 96022611.D09 Sample: DUP96-2620/HYD-FLUID.D - A06



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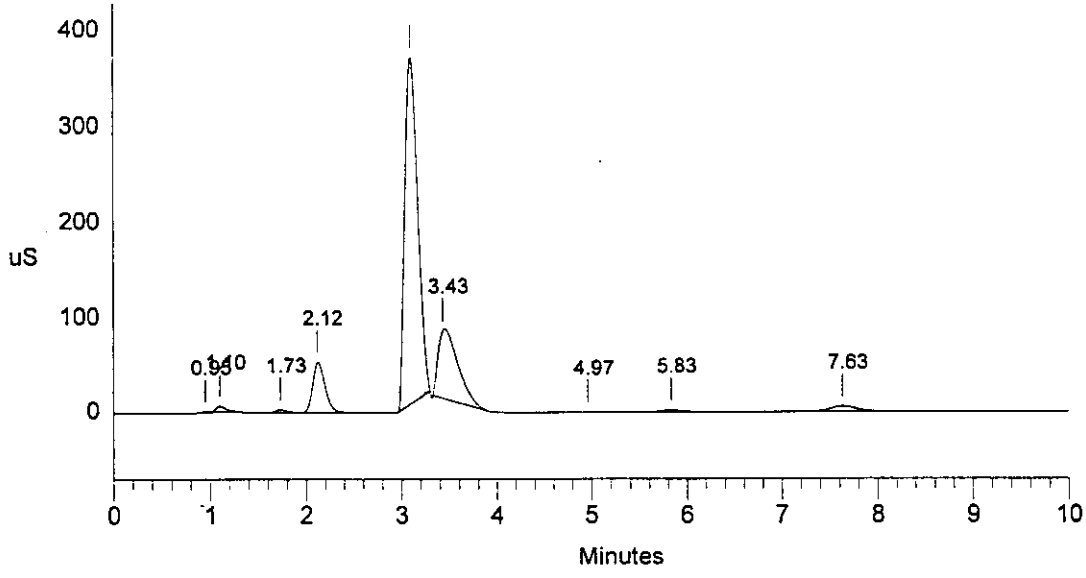
==============================================================================
| Sample Name: DUP96-2620/HYD-FLUID.D  - A06  Date: 02/26/1996 10:51:49      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D09                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 9   Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	5Hz	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	408064	1793912	2	
2	1.10	FLUORIDE	112.764	5999712	43601894	2	0.96
3	1.73	CHLORIDE	106.453	3159109	26111139	1	0.00
4	2.12	NITRITE	2545.283	53051963	480137744	1	1.76
5	3.10		0.000	361696217	3422776026	1	
6	3.43	BROMIDE	-2582.458	71267761	1054968787	1	3.99
7	4.97		0.000	103550	1472486	1	
8	5.83	PHOSPHATE	471.041	2077982	32869639	1	5.95
9	7.63	SULFATE	566.293	5508185	103882398	1	0.00
		Totals	1219.376	503272544	5167614026		

File: 96022611.D09 Sample: DUP96-2620/HYD-FLUID.D - A06



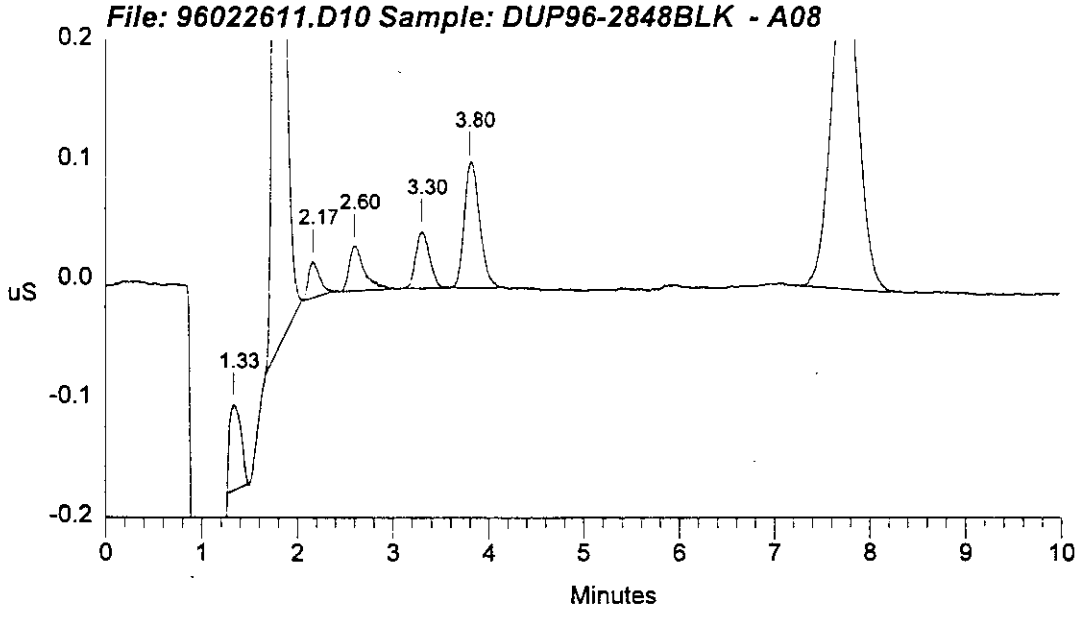
Data Reprocessed On 02/28/1996 09:00:33

Sample Name: DUP96-2848BLK - A08	Date: 02/26/1996 11:03:57
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D10	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 10 Vial:A08	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	71584	592230	1	
2	1.78	CHLORIDE	0.308	838217	6683990	1	0.00
3	2.17	NITRITE	0.229	30099	245632	1	1.25
4	2.60		0.000	37011	410583	1	
5	3.30	BROMIDE	0.052	47130	474409	1	-2.85
6	3.80	NITRATE	0.272	102882	1183899	1	0.00
7	7.73	SULFATE	0.452	281432	5497702	1	0.00
		Totals	1.313	1408356	15088444		



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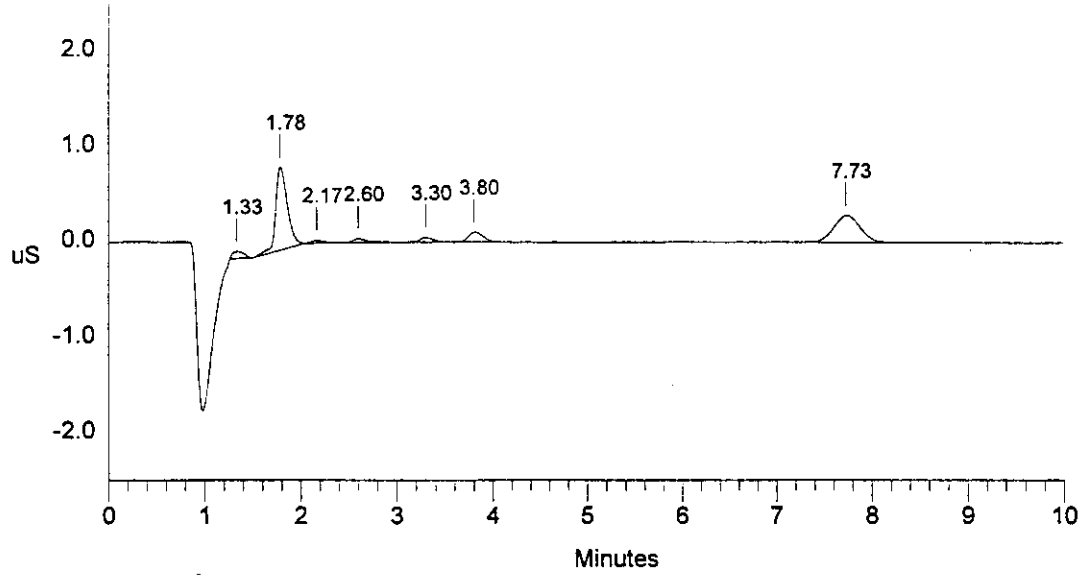
==============================================================================
| Sample Name: DUP96-2848BLK  - A08          Date: 02/26/1996 11:03:57        |
| Data File  : l:\iag\ic\icdata\9602261\96022611.D10                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 10  Vial:A08        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.33		0.000	71584	592230	1	
2	1.78	CHLORIDE	0.337	869582	7415428	1	0.00
3	2.17	NITRITE	0.230	30442	258415	1	1.25
4	2.60		0.000	37011	410583	1	
5	3.30	BROMIDE	0.052	47059	473118	1	-2.85
6	3.80	NITRATE	0.272	103021	1189183	1	0.00
7	7.73	SULFATE	0.452	281240	5489760	1	0.00
		Totals	1.343	1439940	15828715		

File: 96022611.D10 Sample: DUP96-2848BLK - A08



Data Reprocessed On 02/28/1996 09:03:20

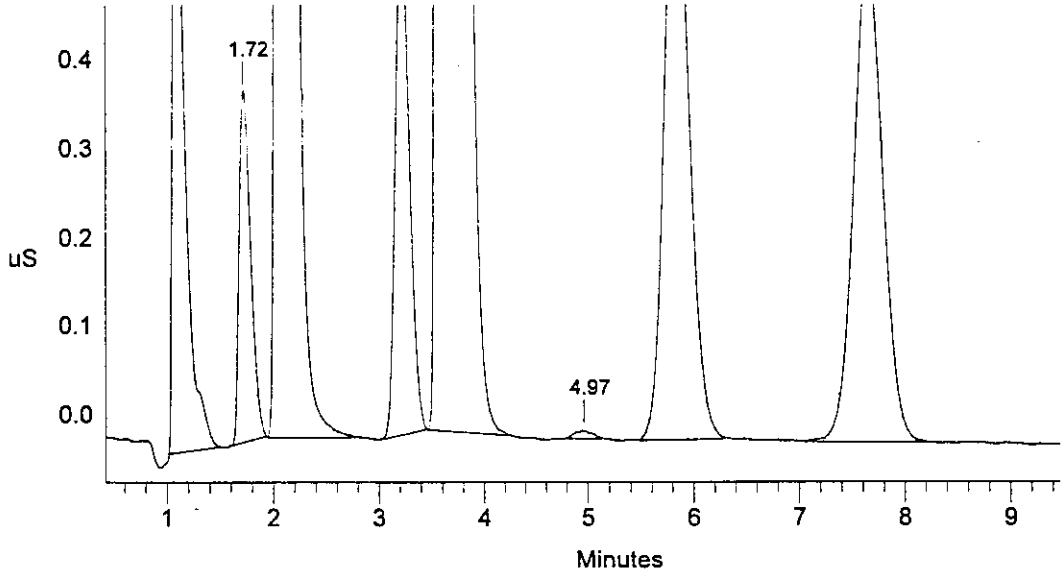
Sample Name:	DUP96-2848/118.1ADL.L - A09 Date: 02/26/1996 11:15:23
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D11
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 11 Vial:A09 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	5Hz	0.42	9.47	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	20.370	770417	6179500	1	0.40
2	1.72	CHLORIDE	16.233	392197	3003616	1	0.00
3	2.08	NITRITE	311.891	5938098	51211026	1	1.13
4	3.20	BROMIDE	54.054	525591	5333515	1	-2.14
5	3.63	NITRATE	865.569	10389391	126055408	1	0.00
6	4.97		0.000	7621	110722	1	
7	5.83	PHOSPHATE	172.729	701141	11298661	1	0.12
8	7.63	SULFATE	72.167	529205	10447099	1	0.00
		Totals	1513.014	19253662	213639548		

File: 96022611.D11 Sample: DUP96-2848/118.1ADL.L - A09



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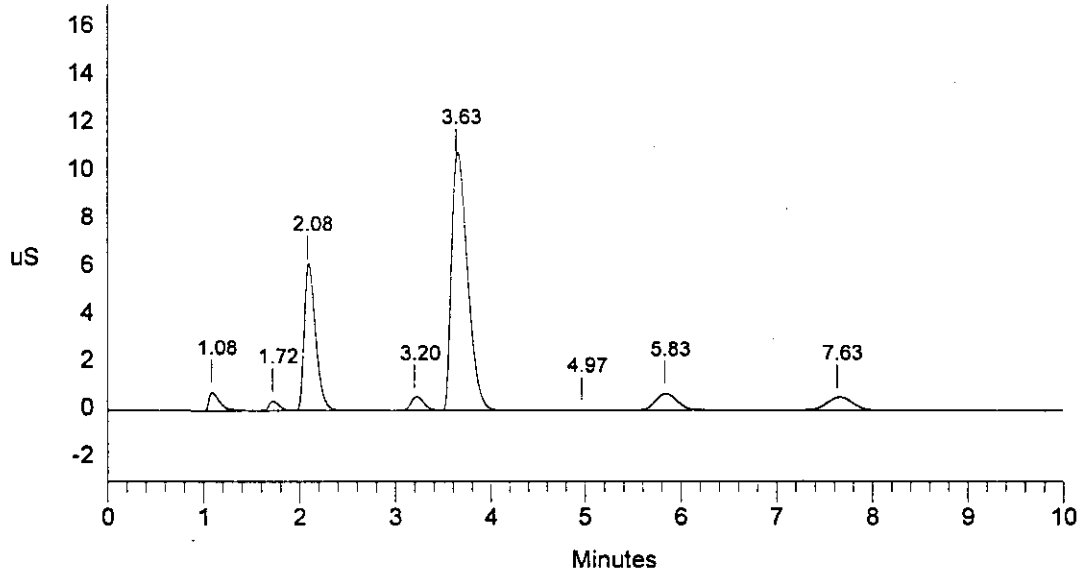
==============================================================================
| Sample Name: DUP96-2848/118.1ADL.L  - A09   Date: 02/26/1996 11:15:23      |
| Data File  : l:\iag\ic\icdata\9602261\96022611.D11                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 11  Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	20.410	770548	6195431	1	0.40
2	1.72	CHLORIDE	16.285	392921	3016576	1	0.00
3	2.08	NITRITE	312.200	5938355	51265943	1	1.13
4	3.20	BROMIDE	53.189	522580	5247021	1	-2.14
5	3.63	NITRATE	865.837	10389717	126097161	1	0.00
6	4.97		0.000	8248	128856	1	
7	5.83	PHOSPHATE	172.982	701341	11316647	1	0.12
8	7.63	SULFATE	72.167	529205	10447099	1	0.00
		Totals	1513.070	19252916	213714734		

File: 96022611.D11 Sample: DUP96-2848/118.1ADL.L - A09



Data Reprocessed On 02/28/1996 09:05:43

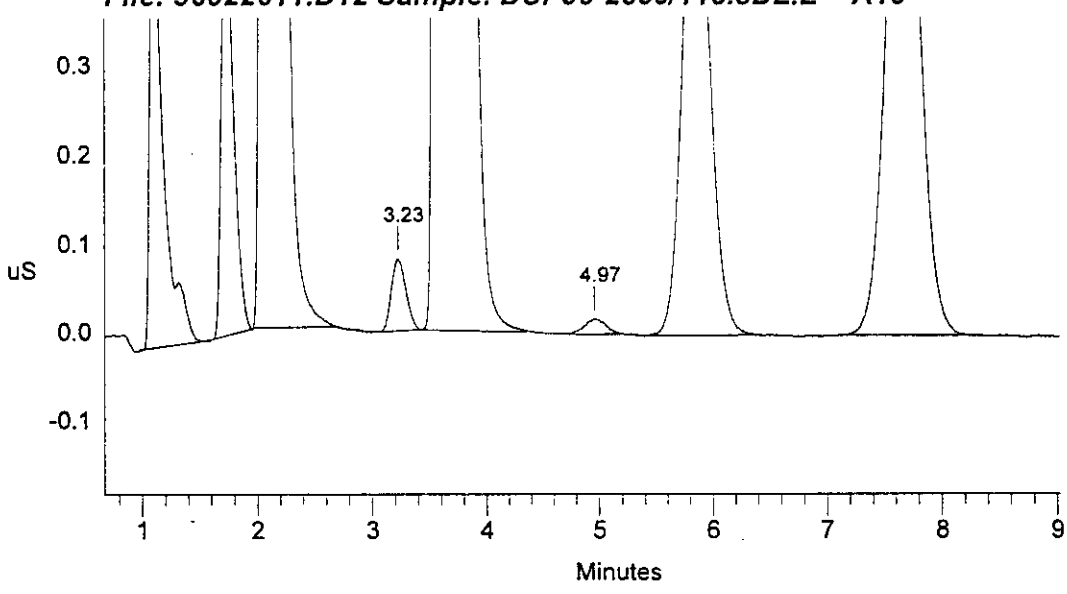
Sample Name:	DUP96-2850/118.3DL.L - A10 Date: 02/26/1996 11:26:53
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D12
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 12 Vial:A10 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.67	9.03	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.10	FLUORIDE	15.091	465571	4077519	1	0.96
2	1.73	CHLORIDE	18.116	458871	3476695	1	0.00
3	2.10	NITRITE	373.538	7474650	62198005	1	0.96
4	3.23	BROMIDE	7.646	80971	715697	1	-2.07
5	3.63	NITRATE	1052.982	12851275	155701552	1	0.00
6	4.97		0.000	17014	229646	1	
7	5.83	PHOSPHATE	151.959	592533	9822932	1	0.12
8	7.67	SULFATE	91.044	727319	13922244	1	0.00
		Totals	1710.377	22668204	250144291		

File: 96022611.D12 Sample: DUP96-2850/118.3DL.L - A10



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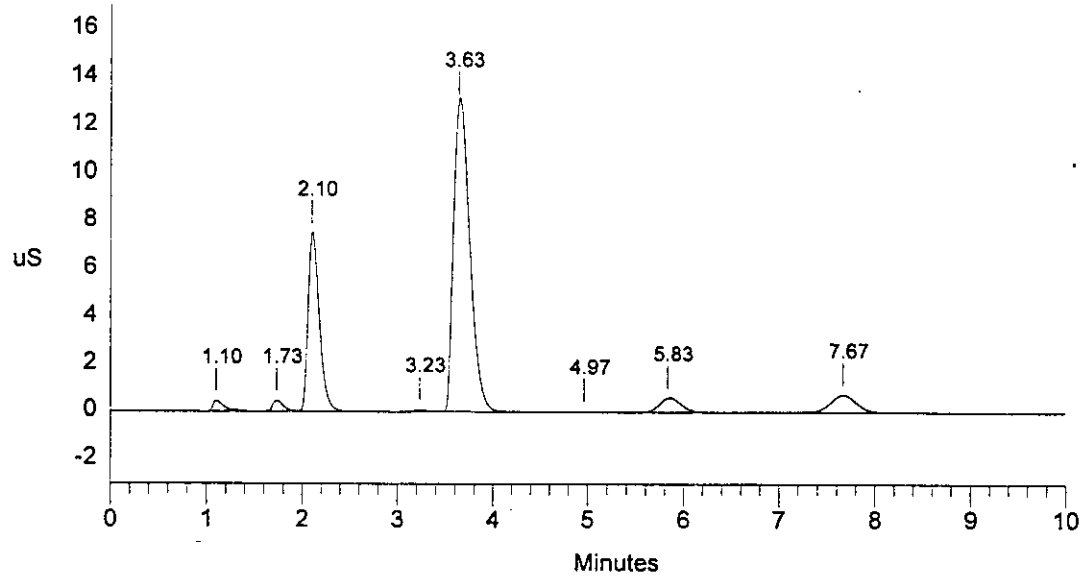
| Sample Name: DUP96-2850/118.3DL.L  - A10    Date: 02/26/1996 11:26:53    |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D12                       |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 12  Vial:A10        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	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	FLUORIDE	14.753	458419	3943030	1	0.96
2	1.73	CHLORIDE	18.179	459785	3492579	1	0.00
3	2.10	NITRITE	374.138	7475374	62305085	1	0.96
4	3.23	BROMIDE	7.672	81017	718275	1	-2.07
5	3.63	NITRATE	1052.589	12848925	155638553	1	0.00
6	4.97		0.000	17184	236819	1	
7	5.83	PHOSPHATE	152.734	593345	9877903	1	0.12
8	7.67	SULFATE	91.273	727846	13964507	1	0.00
		Totals	1711.338	22661894	250176752		

File: 96022611.D12 Sample: DUP96-2850/118.3DL.L - A10



Data Reprocessed On 02/28/1996 09:08:22

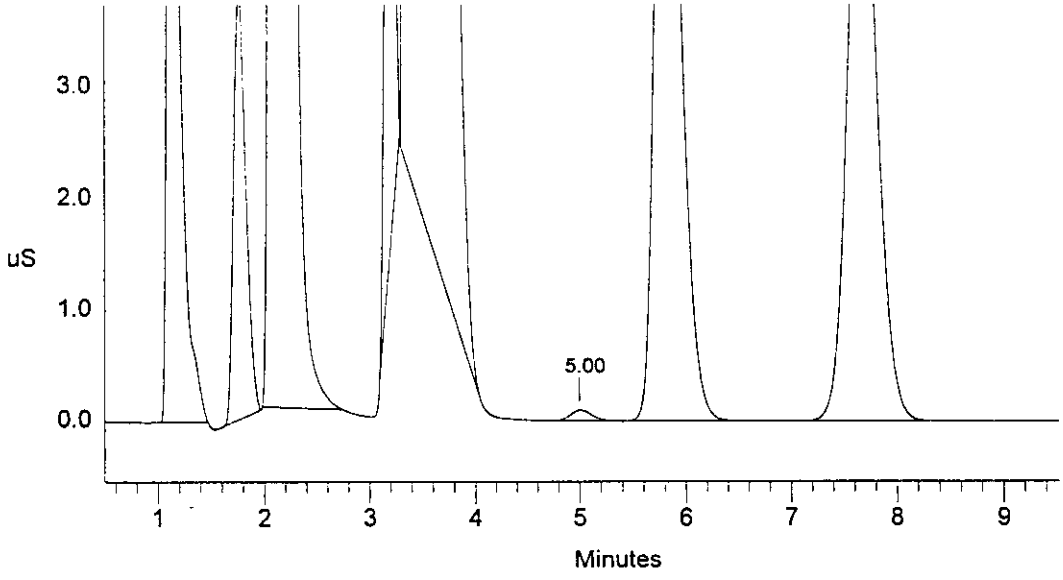
Sample Name:	DUP96-2848/118.1ADL.L - A09 Date: 02/26/1996 11:39:01
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D13
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 13 Vial:A09 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	0.50	9.52		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	16.509	8054253	65355253	1	2.06
2	1.77	CHLORIDE	12.460	3795535	30871292	1	0.00
3	2.15	NITRITE	304.906	63637670	587587310	1	1.42
4	3.20	BROMIDE	34.366	5594729	35385798	1	0.00
5	3.43	NITRATE	473.315	101366251	1636093267	1	0.10
6	5.00		0.000	94508	1354800	1	
7	5.80	PHOSPHATE	164.009	7717502	125527622	1	-2.34
8	7.67	SULFATE	59.267	5777786	109023771	1	0.00
		Totals	1064.832	196038235	2591199114		

File: 96022611.D13 Sample: DUP96-2848/118.1ADL.L - A09



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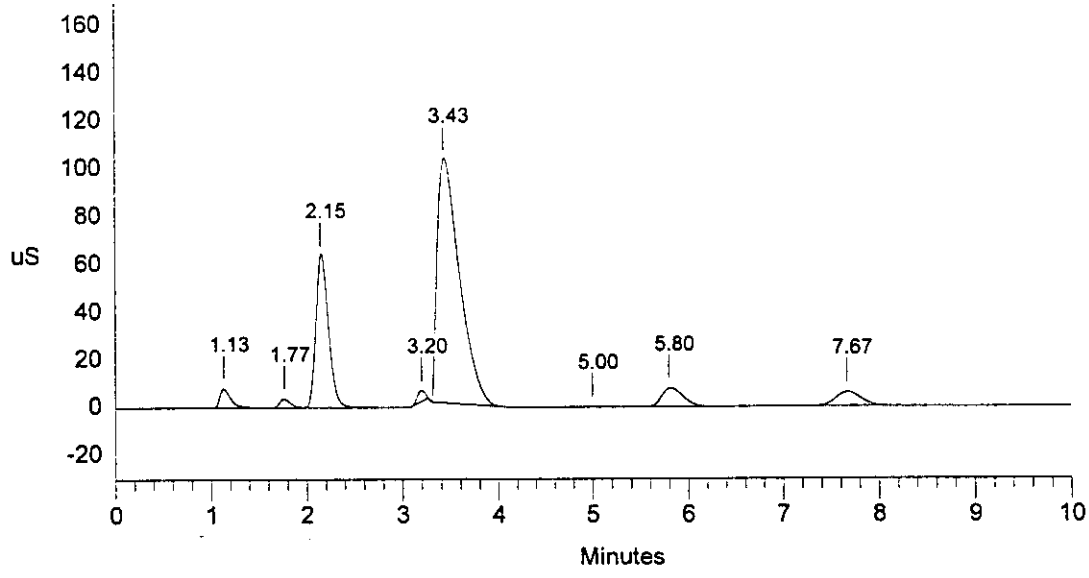
==============================================================================
| Sample Name: DUP96-2848/118.1ADL.L  - A09   Date: 02/26/1996 11:39:01      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D13                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 13  Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	16.509	8054253	65355253	1	2.06
2	1.77	CHLORIDE	12.460	3795535	30871292	1	0.00
3	2.15	NITRITE	305.455	63647066	588784577	1	1.42
4	3.20		0.000	4539556	25209376	1	
5	3.43	BROMIDE	-1533.387	101366251	1636093267	1	2.03
6	5.00		0.000	94508	1354800	1	
7	5.80	PHOSPHATE	164.008	7717484	125526497	1	5.35
8	7.67	SULFATE	59.340	5779333	109165628	1	0.00
		Totals	-975.616	194993987	2582360690		

File: 96022611.D13 Sample: DUP96-2848/118.1ADL.L - A09



Data Reprocessed On 02/28/1996 09:12:53

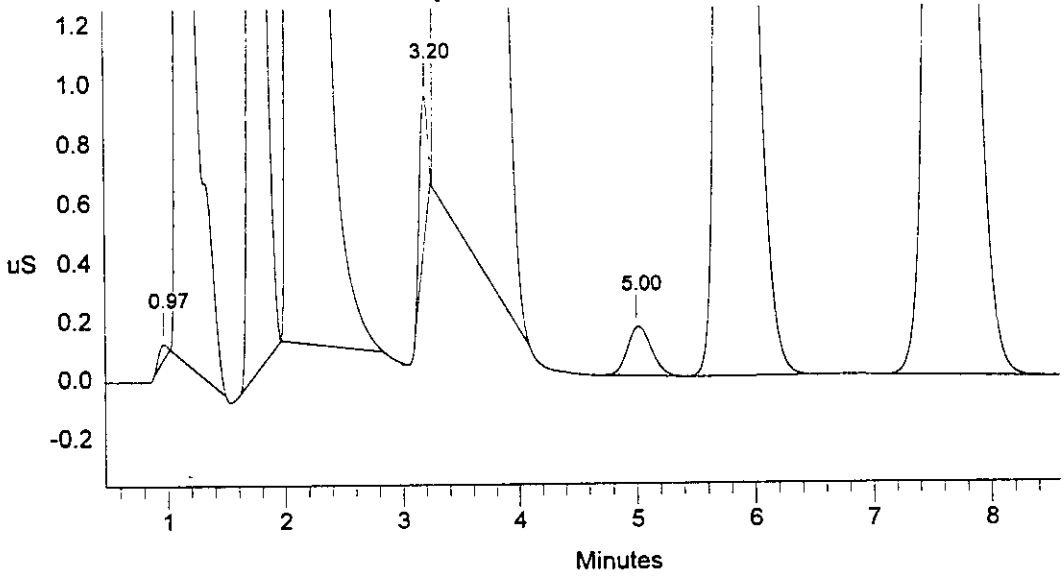
Sample Name:	DUP96-2850/118.3DL.L - A10 Date: 02/26/1996 11:51:08
Data File :	L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D14
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 14 Vial:A10 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	10	3000	5Hz	0.47	8.58	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.97		0.000	52849	271799	1	
2	1.13	FLUORIDE	10.481	4513088	40329780	1	3.03
3	1.75	CHLORIDE	14.343	4213019	35855416	1	0.00
4	2.15	NITRITE	360.662	73747714	712490369	1	2.38
5	3.20	BROMIDE	2.392	470981	2329181	1	0.00
6	3.40	NITRATE	366.817	124895288	2079630060	1	0.00
7	5.00		0.000	164462	2380068	1	
8	5.83	PHOSPHATE	143.974	6837580	108568012	1	-1.69
9	7.63	SULFATE	80.089	7757849	150194875	1	0.00
		Totals	978.758	222652830	3132049560		

File: 96022611.D14 Sample: DUP96-2850/118.3DL.L - A10



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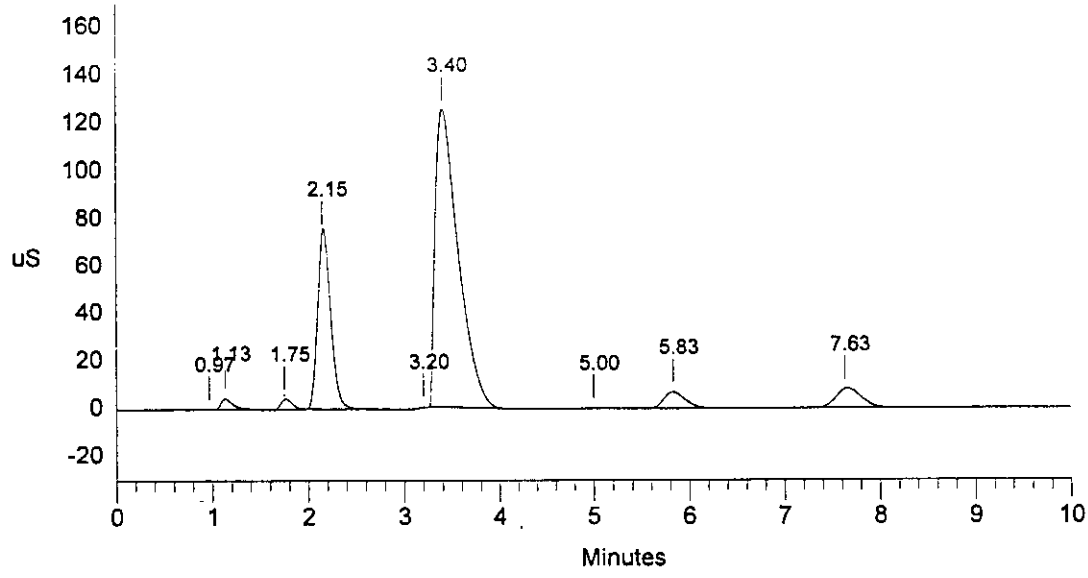
==============================================================================
| Sample Name: DUP96-2850/118.3DL.L  - A10    Date: 02/26/1996 11:51:08      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D14                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A10        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	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	79211	421401	2	
2	1.13	FLUORIDE	10.187	4517830	39123233	2	3.03
3	1.75	CHLORIDE	14.336	4212049	35836146	1	0.00
4	2.15	NITRITE	360.004	73689223	710975487	1	2.38
5	3.20		0.000	332540	1521930	1	
6	3.40	BROMIDE	-2996.884	124457363	2066581705	1	2.00
7	5.00		0.000	164462	2380068	1	
8	5.83	PHOSPHATE	144.023	6838060	108609133	1	6.99
9	7.63	SULFATE	80.190	7759851	150397463	1	0.00
		Totals	-2388.144	222050589	3115846566		

File: 96022611.D14 Sample: DUP96-2850/118.3DL.L - A10



Data Reprocessed On 02/28/1996 09:14:32

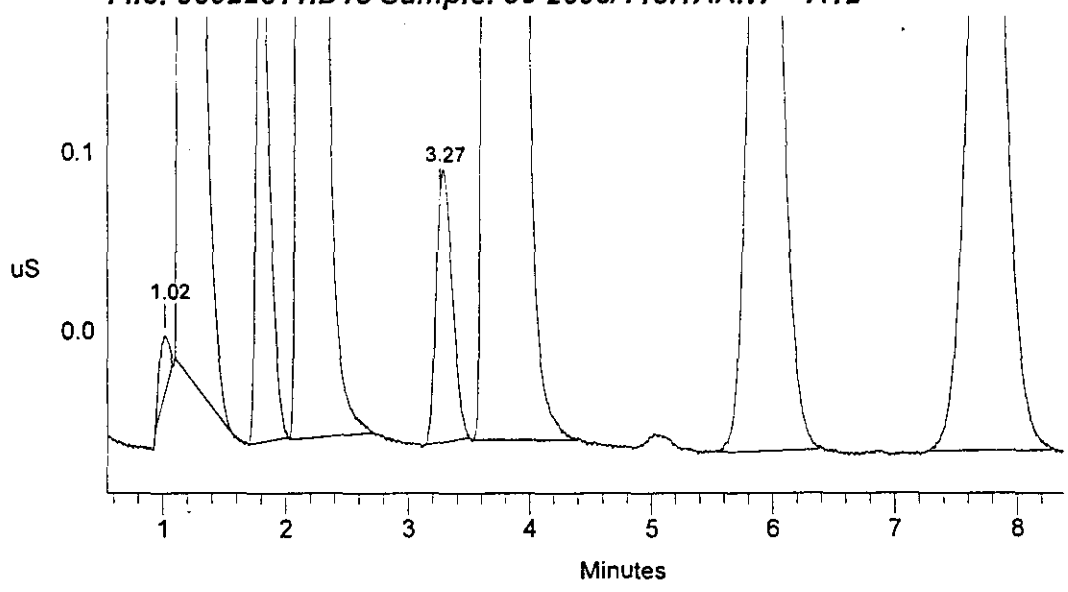
Sample Name: 96-2605/118.1AA.W - A12	Date: 02/26/1996 12:02:25
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D15	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 15 Vial:A12	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3000	5Hz	0.55	8.38	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02		0.000	32771	186014	1	
2	1.17	FLUORIDE	76.295	3913502	28684497	1	3.11
3	1.80	CHLORIDE	13.073	292843	2210424	1	0.00
4	2.17	NITRITE	241.356	4575609	38690564	1	0.31
5	3.27	BROMIDE	14.345	135805	1379168	1	-4.72
6	3.73	NITRATE	673.163	8446748	96328483	1	0.00
7	5.93	PHOSPHATE	145.178	584847	9341802	1	-0.89
8	7.73	SULFATE	65.791	474507	9274826	1	0.00
		Totals	1229.201	18456631	186095778		

File: 96022611.D15 Sample: 96-2605/118.1AA.W - A12



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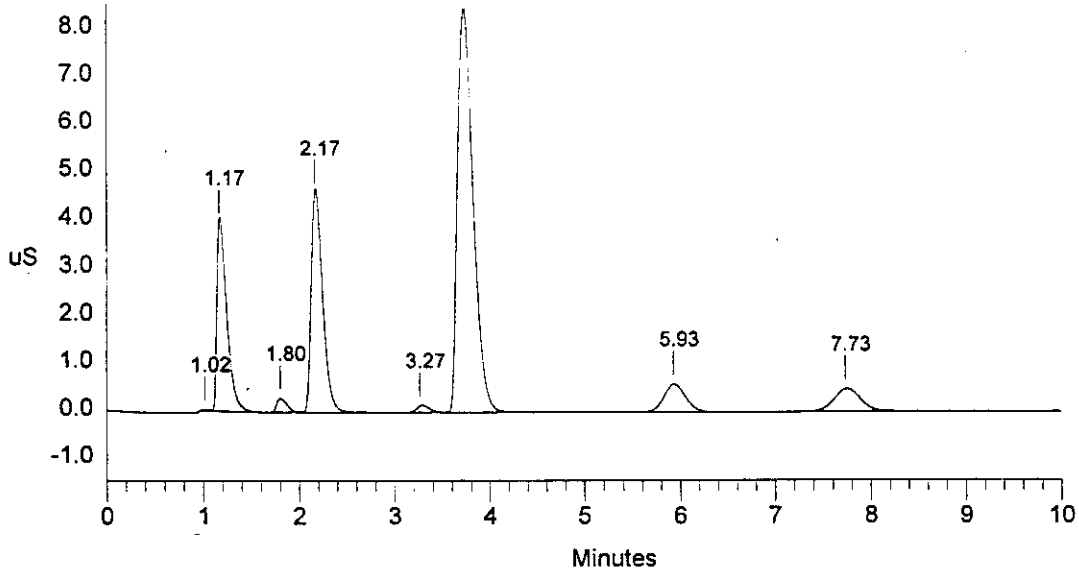
==============================================================================
| Sample Name: 96-2605/118.1AA.W  - A12        Date: 02/26/1996 12:02:25      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D15                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 15  Vial:A12        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	20189	101106	2	
2	1.17	FLUORIDE	76.791	3925709	28885773	2	3.11
3	1.80	CHLORIDE	13.073	292843	2210424	1	0.00
4	2.17	NITRITE	242.331	4576772	38863253	1	0.31
5	3.27	BROMIDE	14.345	135805	1379168	1	-4.72
6	3.73	NITRATE	673.633	8447280	96400289	1	0.00
7	5.93	PHOSPHATE	146.170	585892	9412137	1	-0.89
8	7.73	SULFATE	66.910	477197	9480500	1	0.00
		Totals	1233.252	18461687	186732649		

File: 96022611.D15 Sample: 96-2605/118.1AA.W - A12



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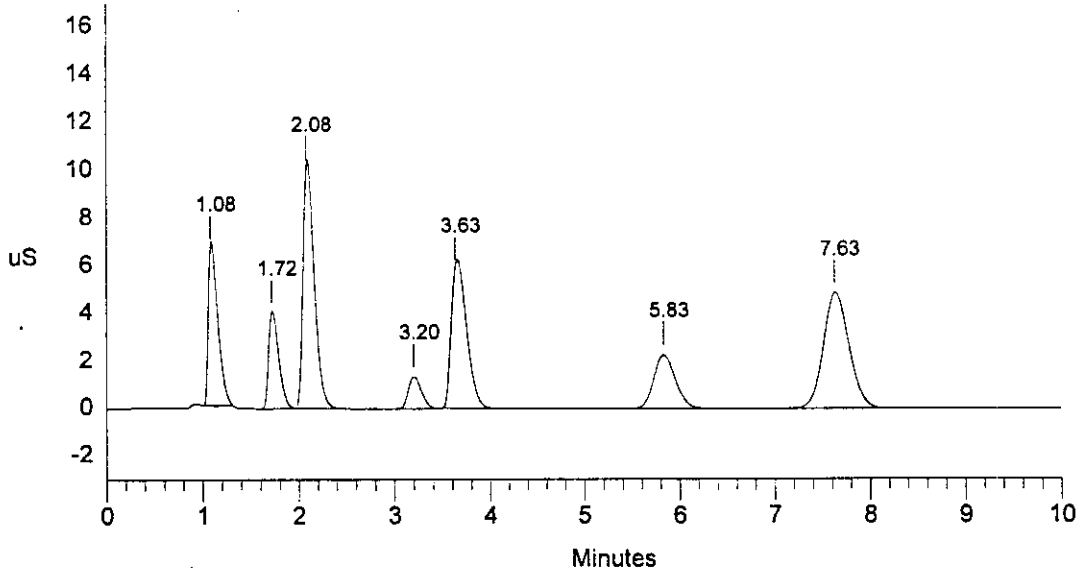
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/26/1996 12:13:47      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D16                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 16  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	24.247	6579430	47095686	1	0.40
2	1.72	CHLORIDE	24.419	4016216	30213411	1	0.00
3	2.08	NITRITE	99.353	10010629	84286357	1	1.13
4	3.20	BROMIDE	25.535	1344497	12765227	1	-2.14
5	3.63	NITRATE	99.269	5809279	69602372	1	0.00
6	5.83	PHOSPHATE	102.208	2254587	35817536	1	0.12
7	7.63	SULFATE	100.327	4854489	91350241	1	0.00
		Totals	475.359	34869126	371130830		

File: 96022611.D16 Sample: A960123V1/LO - A04



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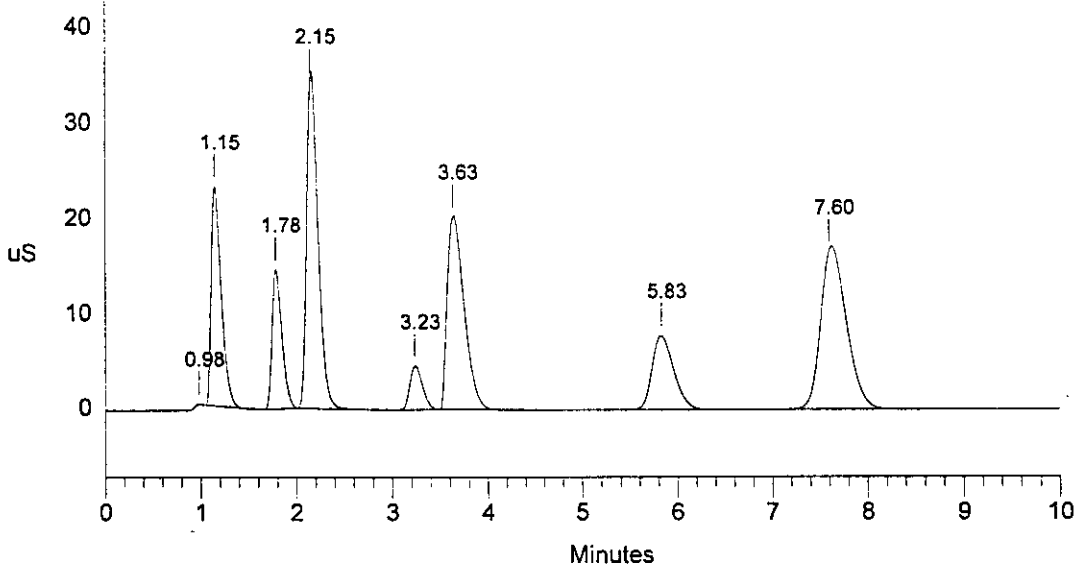
==============================================================================
| Sample Name: A960123V2/MID  - A04            Date: 02/26/1996 12:25:22      |
| Data File  : l:\iag\ic\icdata\9602261\96022611.D17                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 17  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	73018	224154	1	
2	1.15	FLUORIDE	26.371	23008870	166777468	1	2.59
3	1.78	CHLORIDE	25.812	14614251	104858684	1	0.00
4	2.15	NITRITE	107.020	34268949	291194568	1	0.47
5	3.23	BROMIDE	26.553	4489108	41319040	1	-4.81
6	3.63	NITRATE	106.324	20138376	245749383	1	0.00
7	5.83	PHOSPHATE	107.298	7724992	122902219	1	0.12
8	7.60	SULFATE	106.811	16540354	319918685	1	0.00
		Totals	506.188	120857918	1292944201		

File: 96022611.D17 Sample: A960123V2/MID - A04



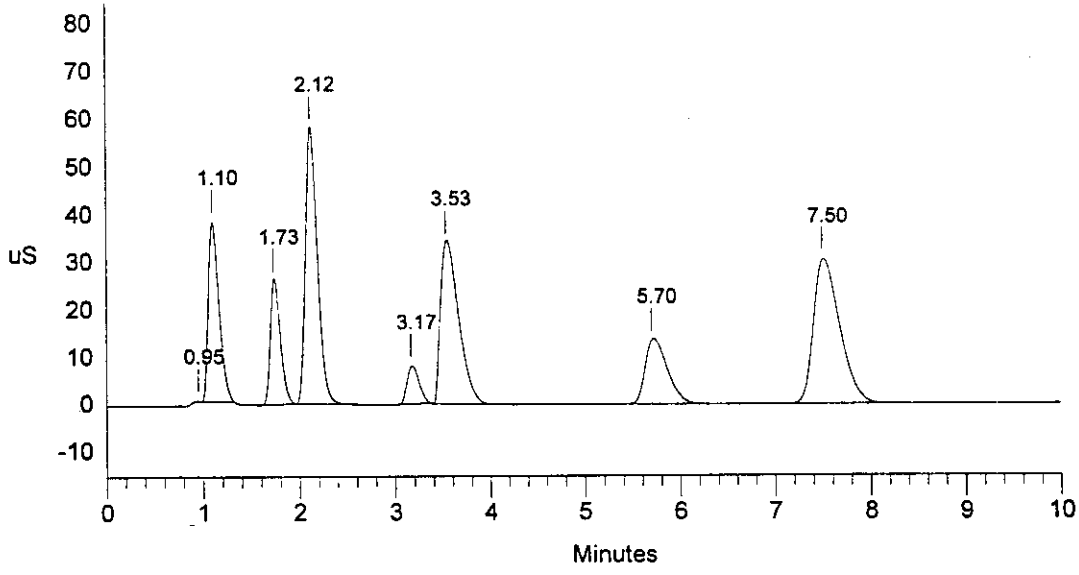
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/26/1996 12:37:00      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D18                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 18  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	91736	366134	1	
2	1.10	FLUORIDE	25.921	37653308	291186618	1	0.96
3	1.73	CHLORIDE	25.918	25903577	191383474	1	0.00
4	2.12	NITRITE	106.264	57659153	503472932	1	1.76
5	3.17	BROMIDE	26.034	7822110	70034658	1	-4.09
6	3.53	NITRATE	107.054	33822600	451072008	1	0.00
7	5.70	PHOSPHATE	107.297	13291338	223969635	1	0.60
8	7.50	SULFATE	106.753	30166841	584727854	1	0.00
		Totals	505.241	206410663	2316213313		

File: 96022611.D18 Sample: A960123V3/HI - A04



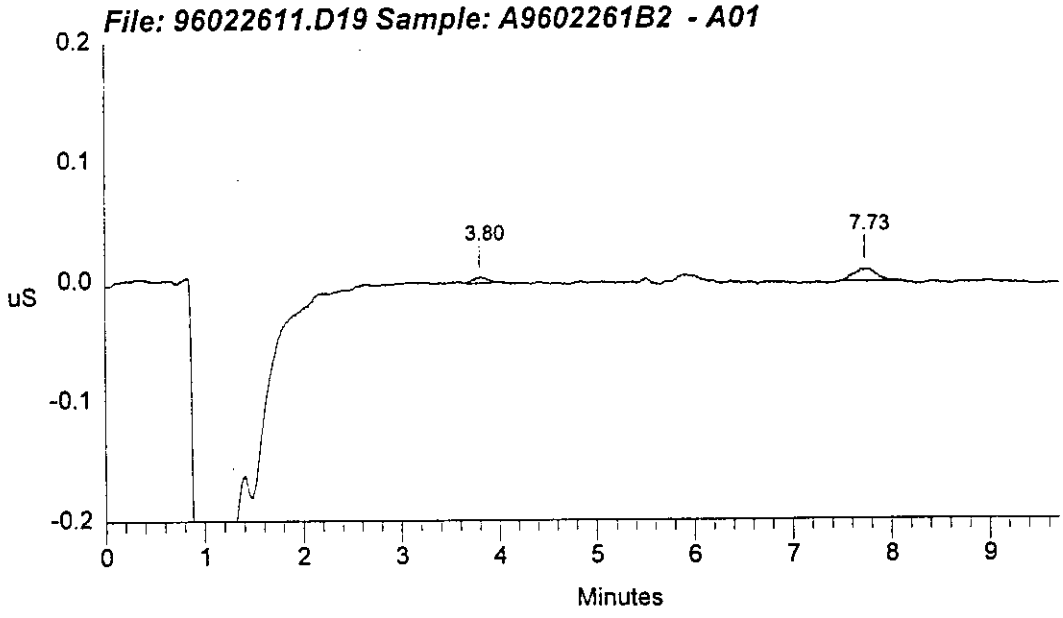
Data Reprocessed On 02/28/1996 09:16:59

Sample Name: A9602261B2 - A01	Date: 02/26/1996 12:48:52
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602261\96022611.D19	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 19 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	2915	5Hz	0.00	9.71	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	3.80	NITRATE	0.192	4020	52526	1	0.00
2	7.73	SULFATE	0.161	10677	168590	1	0.00
		Totals	0.353	14696	221116		



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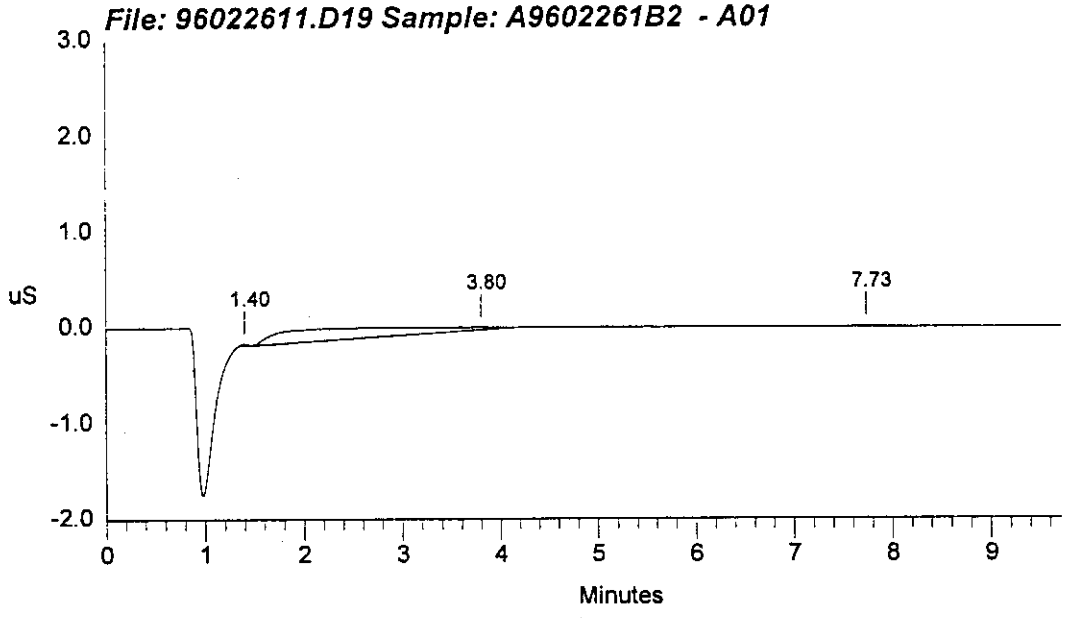
==============================================================================
| Sample Name: A9602261B2  - A01              Date: 02/26/1996 12:48:52      |
| Data File  : 1:\iag\ic\icdata\9602261\96022611.D19                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 19  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	2915	5Hz	0.00	9.71	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.40		0.000	17056	75370	1	
2	3.80	NITRATE	1.027	28803	11968741	1	0.00
3	7.73	SULFATE	0.168	13008	290292	1	0.00
		Totals	1.195	58867	12334403		



****REPORT GENERATION FOR SOLID SAMPLES****

This compiled data sheet may be used for report generation, DIL(EX)=EXTRACTION DILUTION&DIL(AN)=ANALYTICAL DILUTION=(100/INJ VOL) X MANUAL DILUTION (from Data Review Sheet

Divide ug/g values in this table by the product, DIL(EX)*DIL(AN), to obtain the concentrations in the analyzed solutions.

Approx. DL values (ug/g, solids) may be found by multiplying DIL(EX)*DIL(AN by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902 Blank and Blank spike reported in ug/ml

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/4/96

Reviewer BJ Rood MAR 21 1996

********** Units of Measurement: ug/g (ppm) **********

INJ.	SAMPLE ID.	INJ. VOL.	DIL (EX)	%SOLI	SAM. WT.	DIL.VOL.	DIL. (AN)	F	Cl	NO2	Br	NO3	PO4	SO4
02/08.d28	96-2619/FLD-BLK.F - A07	100					1							
02/09.d10	96-2619/FLD-BLK.F - A07	50					2							
02/09.d13	DUP96-2619/FLD-BLK.F -	100					1							
02/09.d12	DUP96-2619/FLD-BLK.F -	50					2							
02/13.d07	96-2620/HYD-FLUID.D - A	10					100							
02/08.d29	96-2620/HYD-FLUID.D - A	1					1000							
02/09.d11	96-2620/HYD-FLUID.D - A	3					3333.33							
02/26.d09	DUP96-2620/HYD-FLUID.D	10					100							
02/26.d08	DUP96-2620/HYD-FLUID.D	1					1000							
02/26.d07	DUP96-2620/HYD-FLUID.D	3					3333.33							
02/09.d20	96-2848 BLK - A21	100	1		1	0	1	0	0.355761	0	0	0.304252	0	0.480728
02/13.d09	96-2848 BLK - A21	100	1		1	0	1	0	0.353219	0	0.052059	0.313553	0	0.485013
02/26.d10	DUP96-2848BLK - A08	100	1		1	0	1	0	0.308408	0.228793	0.0520704	0.271623	0	0.452164
• 02/09.d20	96-2848 BLK - A21	100	107.275				1	26.8188639	38.1644233	53.6377278	26.8188639	32.6387719	53.6377278	51.5703152
• 02/13.d09	96-2848 BLK - A21	100	107.275				1	26.8188639	37.8917291	53.6377278	26.8188639	33.6365409	53.6377278	52.0299905 (53.
• 02/26.d10	DUP96-2848BLK - A08	100	107.275				1	26.8188639	33.0846087	53.6377278	26.8188639	29.1384811	53.6377278	48.5060991 (53.
02/09.d14	96-2848/118.1ADL.D - A19	10	107.275		0.0933	9.9155	100	2170.37556	1790.16989	29857.6557	5308.64392	81762.9921	17158.9237	7641.52034
•• 02/09.d22	96-2848/118.1ADL.D - A19	100	107.275		0.0933	9.9155	10	1370.40103	1240.14718	29101.471	3772.54522	51653.8828	15545.0717	5643.90117
02/13.d10	96-2848/118.1ADL.D - A19	100	107.275		0.0933	9.9155	10	1554.28189	1228.78671	29122.7116	3629.46121	51687.5673	15419.5594	5602.04229
02/13.d11	96-2848/118.1ADL.D - A19	100	107.275		0.0933	9.9155	10	1551.34254	1220.89123	29083.0196	3734.17279	51692.1801	15408.9392	5594.7261
02/26.d11	DUP96-2848/118.1ADL.L -	10	107.275		0.0933	9.9155	100	2185.23321	1741.40247	33458.2491	5798.66747	92854.3088	18529.5822	7741.80144
02/26.d13	DUP96-2848/118.1ADL.L -	100	107.275		0.0933	9.9155	10	1770.95686	1336.60927	32708.93	3686.60685	50775.0822	17594.1402	6357.93733
02/09.d15	96-2850/118.3DL.D - A20	10	107.275		0.0933	9.9155	100	1727.58539	2026.55136	38009.303	1072.31794	106074.829	16043.9026	9848.30519
•• 02/09.d23	96-2850/118.3DL.D - A20	100	107.275		0.0933	9.9155	10	850.992588	1492.71651	36690.7804	347.643278	42926.2735	14543.8699	8092.24889
02/13.d13	96-2850/118.3DL.D - A20	100	107.275		0.0933	9.9155	10	862.343404	1473.85748	36525.898	334.75735	43217.7409	14430.9088	8102.42934
02/26.d12	DUP96-2850/118.3DL.L - A	10	107.275		0.0933	9.9155	100	1618.90463	1943.3807	40071.4591	820.218478	112958.909	16301.4709	9766.78657
02/26.d14	DUP96-2850/118.3DL.L - A	100	107.275		0.0933	9.9155	10	1124.31114	1538.66259	38690.1803	256.590017	39350.4608	15444.8764	8591.59468
02/26.d15	96-2605/118.1AA.W - A12	1	92.5884	100	• 0.5461	50.0164	100	7064.06549	1210.39829	22346.7547	1328.17068	62327.054	13441.792	6091.48964

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

• Blank reported as ug/ml using the 107.275 process factor.

•• Only Br was reported from these injections. The mid had high recoveries for all the analytes, except Br.

WHC-SD-WM-DP-170, REV. 1

15/3

****REPORT GENERATION FOR LIQUID SAMPLES****

This compiled data sheet may be used for report generation, %RPD calculations, and spike recovery calculations.

Divide values in this table by DIL ((100/INJ VOL) X Manual Dilution from Data Review Sheet), to obtain the concentration in the analyzed solutions.

Approx. DL values (ug/ml, liquids) may be found by multiplying DIL by 0.25 and 0.5 for halides and oxy-anions, respectively.

M&TE ID: WD02514,PN900902

METHOD: PNL-MA 599-ALO-212, Var. Loop Size

Analyst: W. Oliver 3/1/96

Reviewer: [illegible] MAR 21 1996

Units of Measurement: ug/ml (ppm)

INJ.	SAMPLE ID.	INJ. VOL.	DIL.	F	Cl	NO2	Br	NO3	PO4	SO4
02/08.d28	96-2619/FLD-BLK.F - A07	100	1.0	5.3	0.9	12.4	1.2	28.3	11.0	4.7
02/09.d10	96-2619/FLD-BLK.F - A07	50	2.0	5.7	1.0	13.2	1.3	31.4	12.1	5.2
02/09.d13	DUP96-2619/FLD-BLK.F - A1	100	1.0	5.3	0.9	12.4	1.1	28.3	11.1	4.7
02/09.d12	DUP96-2619/FLD-BLK.F - A1	50	2.0	5.7	1.1	13.2	1.3	31.5	12.1	5.3
02/13.d07	96-2620/HYD-FLUID.D - A08	10	100.0	102.0	103.5	2399.5	-39754.5	3983.9	442.5	532.6
02/08.d29	96-2620/HYD-FLUID.D - A08	1	1000.0	177.6	148.9	2281.5	19565.3	6063.6	547.9	661.8
02/09.d11	96-2620/HYD-FLUID.D - A15	3	3333.3	411.6	284.7	2888.3	20053.5	6550.5	960.7	1126.4
02/26.d09	DUP96-2620/HYD-FLUID.D -	10	100.0	131.2	105.6	2540.2	-111572.0	4689.7	470.9	565.7
02/26.d08	DUP96-2620/HYD-FLUID.D -	1	1000.0	164.2	134.5	2359.5	17909.5	6376.8	526.7	627.3
02/26.d07	DUP96-2620/HYD-FLUID.D -	3	3333.3	290.2	237.6	2798.3	20723.0	6649.2	833.5	998.5
• 02/09.d20	96-2848 BLK - A21	100	1.0	0.0	0.4	0.0	0.0	0.3	0.0	0.5
02/13.d09	96-2848 BLK - A21	100	1.0	0.0	0.4	0.0	Not Rep'd 0.1	0.3	0.0	(0.49) 0.5
02/26.d10	DUP96-2848BLK - A08	100	1.0	0.0	0.3	0.2	0.1	0.3	0.0	(0.45) 0.5
02/09.d14	96-2848/118.1ADL.D - A19	10	100.0	20.2	16.7	278.3	49.5	762.2	160.0	71.2
• 02/09.d22	96-2848/118.1ADL.D - A19	100	10.0	12.8	11.6	271.3	35.2	481.5	144.9	52.6
02/13.d10	96-2848/118.1ADL.D - A19	100	10.0	14.5	11.5	271.5	33.8	481.8	143.7	52.2
02/13.d11	96-2848/118.1ADL.D - A19	100	10.0	14.5	11.4	271.1	34.8	481.9	143.6	52.2
02/26.d11	DUP96-2848/118.1ADL.L - A	10	100.0	20.4	16.2	311.9	54.1	865.6	172.7	72.2
02/26.d13	DUP96-2848/118.1ADL.L - A	100	10.0	16.5	12.5	304.9	34.4	473.3	164.0	59.3
02/09.d15	96-2850/118.3DL.D - A20	10	100.0	16.1	18.9	354.3	10.0	988.8	149.6	91.8
• 02/09.d23	96-2850/118.3DL.D - A20	100	10.0	7.9	13.9	342.0	3.2	400.2	135.6	75.4
02/13.d13	96-2850/118.3DL.D - A20	100	10.0	8.0	13.7	340.5	3.1	402.9	134.5	75.5
02/26.d12	DUP96-2850/118.3DL.L - A1	10	100.0	15.1	18.1	373.5	7.6	1053.0	152.0	91.0
02/26.d14	DUP96-2850/118.3DL.L - A1	100	10.0	10.5	14.3	360.7	2.4	366.8	144.0	80.1
02/26.d15	96-2605/118.1AA.W - A12	1	100.0	76.3	13.1	241.4	14.3	673.2	145.2	65.8

SAMPLES ANALYZED USING SYSTEM IC-325-400 SYS1 (DATA ARCHIVAL LOCATOR)

• Only Br was reported. The mid had high recoveries for all the analytes, except Br.

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

MAR 21 1996

Analyst.....M. Ostrill 3/4/96..... Reviewer.....[signature].....

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/26.d01	DDI - A01	100	1	0.05	0.00	0.00	0.00	1.10	0.00	0.00
02/26.d02	A960123V1/LO - A04	10	2	1.22	1.22	4.91	1.26	4.98	5.07	4.99
02/26.d03	A960123V2/MID - A04	30	2	4.03	3.90	16.08	4.02	16.06	16.22	16.12
02/26.d04	A960123V3/HI - A04	50	2	6.52	6.52	26.62	6.69	26.07	27.00	26.83
02/26.d05	A9602261B1 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.00	0.16
02/26.d06	DILUTION BLANK - A11	100	1	0.00	0.05	0.00	0.00	0.00	0.00	0.00
02/26.d07	DUP96-2620/HYD-FLUID.	3	100	0.09	0.07	0.84	6.22	1.99	0.25	0.30
02/26.d08	DUP96-2620/HYD-FLUID.	1	10	0.16	0.13	2.36	17.91	6.38	0.53	0.63
02/26.d09	DUP96-2620/HYD-FLUID.	10	10	1.31	1.06	25.40	-1115.72	46.90	4.71	5.66
02/26.d10	DUP96-2848BLK - A08	100	1	0.00	0.31	0.23	0.05	0.27	0.00	0.45
02/26.d11	DUP96-2848/118.1ADL.L	10	10	0.20	0.16	3.12	0.54	8.66	1.73	0.72
02/26.d12	DUP96-2850/118.3DL.L -	10	10	0.15	0.18	3.74	0.08	10.53	1.52	0.91
02/26.d13	DUP96-2848/118.1ADL.L	100	10	1.65	1.25	30.49	3.44	47.33	16.40	5.93
02/26.d14	DUP96-2850/118.3DL.L -	100	10	1.05	1.43	36.07	0.24	36.68	14.40	8.01
02/26.d15	96-2605/118.1AA.W - A	1	1	0.76	0.13	2.41	0.14	6.73	1.45	0.66
02/26.d16	A960123V1/LO - A04	10	2	1.21	1.22	4.97	1.28	4.96	5.11	5.02
02/26.d17	A960123V2/MID - A04	30	2	3.96	3.87	16.05	3.98	15.95	16.09	16.02
02/26.d18	A960123V3/HI - A04	50	2	6.48	6.48	26.57	6.51	26.76	26.82	26.69
02/26.d19	A9602261B2 - A01	100	1	0.00	0.00	0.00	0.00	0.19	0.00	0.16

SAMPLES ANALYZED ON: 02/26/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/4/96 Reviewer BJ Rood MAR 21 1996

INJ	SAMPLE.ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/13.d01	ELUANT BLANK - A01	100	1	0.00	0.00	0.00	0.00	1.15	0.00	0.00
02/13.d02	A960123V1/LO - A04	10	2	1.16	1.18	4.65	1.20	4.73	4.80	4.72
02/13.d03	A960123V2/MID - A04	30	2	3.78	3.75	15.01	3.79	15.01	15.20	15.09
02/13.d04	A960123V3/HI - A04	50	2	6.24	6.31	25.03	6.37	25.27	25.47	25.30
02/13.d05	A9602131B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.22
02/13.d06	SC95083111CSP1 - A06	10	100	0.49	0.52	2.70	0.00	22.30	3.46	14.42
02/13.d07	96-2620/HYD-FLUID.D -	10	10	1.02	1.04	24.00	-397.55	39.84	4.42	5.33
02/13.d08	A960123V2/MID - A04	30	2	3.76	3.74	15.15	3.80	15.22	15.20	15.10
02/13.d09	96-2848 BLK - A21	100	1	0.00	0.35	0.00	0.05	0.31	0.00	0.49
02/13.d10	96-2848/118.1ADL.D - A	100	10	1.45	1.15	27.15	3.38	48.18	14.37	5.22
02/13.d11	96-2848/118.1ADL.D - A	100	10	1.45	1.14	27.11	3.48	48.19	14.36	5.22
02/13.d12	96-2850/118.3DL.D - A2	100	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/13.d13	96-2850/118.3DL.D - A2	100	10	0.80	1.37	34.05	0.31	40.29	13.45	7.55
02/13.d14	A960123V1/LO - A37	10	2	1.15	1.17	4.68	1.20	4.71	4.78	4.72
02/13.d15	A960123V2/MID - A37	30	2	3.79	3.77	15.16	3.78	15.22	15.30	15.18
02/13.d16	A960123V3/HI - A37	50	2	6.35	6.33	25.27	6.43	24.81	25.60	25.42
02/13.d17	A9602131B2 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/13.d18	SC960213CSP1 - A06	1	10	103%0.31	0.14	0.76	0.00	88%5.25	87%19.17	99%2.22
02/13.d19	SC960213CSP1 - A06	5	10	99%1.33	95%0.52	92%2.98	0.00	91%27.31	37.52	92%11.45
02/13.d20	A960123V1/LO - A37	10	2	1.16	1.18	4.68	1.21	4.75	4.91	4.74
02/13.d21	A960123V2/MID - A37	30	2	3.76	3.74	15.09	3.71	15.22	15.20	15.06
02/13.d22	A960123V3/HI - A37	50	2	6.28	6.30	25.08	6.38	25.10	25.41	25.24
02/13.d23	A9602131B3 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.21	0.23

SAMPLES ANALYZED ON: 02/13/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst.....M. O'Neil 3/4/96..... Reviewer.....RJ Cook MAR 21 1996.....

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/09.d01	ELUANT BLANK - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/09.d02	A960123V1/LO - A04	10	2	1.18	1.21	4.74	1.21	4.81	4.86	4.79
02/09.d03	A960123V2/MID - A04	30	2	3.84	3.87	15.28	3.84	15.30	15.43	15.32
02/09.d04	A960123V3/HI - A04	50	2	6.41	6.48	25.38	6.41	25.76	25.87	25.68
02/09.d05	A9602091B1 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.22
02/09.d06	96-2968/314 EAST WATE	10	10	0.09	1.66	0.00	0.05	1.01	0.00	5.46
02/09.d07	96-2969/PIT WATER A -	100	20	0.00	3.16	0.00	0.00	0.26	0.00	1.50
02/09.d08	MS96-2969/PIT WATER A	100	20	2.02	5.25	4.81	2.00	5.11	4.85	6.28
02/09.d09	MSD96-2969/PIT WATER	100	20	2.04	5.24	4.80	2.01	5.11	4.85	6.27
02/09.d10	96-2619/FLD-BLK.F - A07	50	1	2.85	0.52	6.59	0.65	15.68	6.03	2.62
02/09.d11	96-2620/HYD-FLUID.D -	3	100	0.12	0.09	0.87	6.02	1.97	0.29	0.34
02/09.d12	DUP96-2619/FLD-BLK.F -	50	1	2.85	0.53	6.59	0.67	15.73	6.06	2.63
02/09.d13	DUP96-2619/FLD-BLK.F -	100	1	5.34	0.95	12.39	1.15	28.35	11.09	4.69
02/09.d14	96-2848/118.1ADL.D - A	10	10	0.20	0.17	2.78	0.49	7.62	1.60	0.71
02/09.d15	96-2850/118.3DL.D - A2	10	10	0.16	0.19	3.54	0.10	9.89	1.50	0.92
02/09.d16	A960123V1/LO - A04	10	2	1.18	1.22	4.76	1.23	4.80	4.89	4.81
02/09.d17	A960123V2/MID - A04	30	2	3.84	3.88	15.35	3.85	15.34	15.47	15.36
02/09.d18	A960123V3/HI - A04	50	2	6.33	6.47	25.59	6.49	25.53	25.89	25.71
02/09.d19	A9602091B2 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.19	0.00
02/09.d20	96-2848 BLK - A21	100	1	0.00	0.36	0.00	0.00	0.30	0.00	0.48
02/09.d21	96-2848/118.1ADL.D - A	100	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/09.d22	96-2848/118.1ADL.D - A	100	10	1.28	1.16	27.13	3.52	48.15	14.49	5.26
02/09.d23	96-2850/118.3DL.D - A2	100	10	0.79	1.39	34.20	0.32	40.02	13.56	7.54
02/09.d24	A960123V1/LO - A38	10	2	1.27	1.30	5.15	1.31	5.19	5.25	5.22
02/09.d25	A960123V2/MID - A38	30	2	4.18	4.18	16.68	4.11	16.77	16.76	16.73

SAMPLES ANALYZED ON: 02/09/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/4/96 Reviewer BJ Cole MAR 21 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/09.d26	A960123V3/HI - A38	50	2	6.90	7.01	27.50	7.04	27.19	27.86	27.81
02/09.d27	A9602091B3 - A01	100	1	0.00	0.00	0.00	0.00	0.25	0.00	0.00
02/09.d28	A960123V2/MID - A38	30	2	4.18	4.21	16.64	4.18	16.70	16.80	16.78
02/09.d29	A960123V2/MID - A04	30	2	3.88	3.89	15.40	3.80	15.52	15.52	15.41
02/09.d30	A960123V3/HI - A38	50	2	6.94	7.03	27.43	7.02	27.45	27.90	27.84
02/09.d31	A960123V3/HI - A04	50	2	6.40	6.49	25.70	6.28	25.89	25.96	25.76
02/09.d32	ELUANT BLANK - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SAMPLES ANALYZED ON: 02/09/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst M. O'Neill 3/4/96 Reviewer [illegible] MAR 21 1996

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/08.d01	CAL CHECK #1 - A02	10	10	0.29	0.31	0.70	0.28	0.73	0.65	0.66
02/08.d02	CAL CHECK #3 - A03	10	2	1.24	1.29	5.07	1.32	5.03	5.03	4.99
02/08.d03	A960123V1/LO - A04	10	2	1.19	1.21	4.71	1.24	4.68	4.85	4.74
02/08.d04	ELUANT BLANK - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d05	AUTOCAL1R - A02	10	10	0.25	0.25	0.50	0.25	0.50	0.50	0.50
02/08.d06	AUTOCAL2R - A02	20	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d07	AUTOCAL2R - A02	20	10	0.50	0.50	1.00	0.50	1.00	1.00	1.00
02/08.d08	AUTOCAL3R - A03	10	2	1.25	1.25	5.00	1.25	5.00	5.00	5.00
02/08.d09	AUTOCAL4R - A03	20	2	2.50	2.50	10.00	2.50	10.00	10.00	10.00
02/08.d10	AUTOCAL5R - A03	40	2	5.00	5.00	20.00	5.00	20.00	20.00	20.00
02/08.d11	AUTOCAL6R - A03	60	2	7.50	7.50	30.00	7.50	30.00	30.00	30.00
02/08.d12	CAL CHECK #1 - A02	10	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d13	CAL CHECK #1 - A02	10	10	0.30	0.29	0.68	0.27	0.67	0.63	0.66
02/08.d14	CAL CHECK #5 - A03	40	2	5.10	5.07	20.29	5.08	20.39	20.20	20.27
02/08.d15	A960123V1/LO - A04	10	2	1.17	1.17	4.66	1.18	4.70	4.76	4.68
02/08.d16	A960123V2/MID - A04	30	2	3.75	3.75	15.09	3.71	15.18	15.16	15.02
02/08.d17	A960123V3/HI - A04	50	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d18	A9602081B1 - A01	100	1	0.00	0.00	0.00	0.00	0.25	0.00	0.24
02/08.d19	A960123V3/HI - A04	50	2	6.30	6.31	25.09	6.39	25.03	25.36	25.20
02/08.d20	SPK CHECK960207 - A05	10	10	1.93	1.88	4.69	1.91	4.88	4.82	4.70
02/08.d21	96-3059/314 SW - A09	1	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d22	96-3059/314 SW - A09	1	10	0.00	11.16	0.00	0.00	0.00	0.00	0.00
02/08.d23	96-3059/314 SW - A12	1	100	0.00	2.56	0.00	0.00	0.00	0.00	0.00
02/08.d24	96-2968/314 EAST WATE	1	1	0.10	1.57	0.00	0.05	0.97	0.00	5.12
02/08.d25	96-2969/PIT WATER A -	1	1	0.10	0.63	0.00	0.00	0.00	0.00	0.46

SAMPLES ANALYZED ON: 02/08/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

FOR DATA REVIEW ***FOR DATA REVIEW***

This compiled data sheet is for data review and spike recovery calculations. Verification data is included.

All values are in ug/ml and are derived by dividing system quantitated values by (100/INJ VOL) X DIL(manual dilution factor).

100% ANALYTE LEVELS (HALIDES/OXYANIONS) : V1/LO- 1.25/5.00, V2/MID - 3.75/15.00, V3/HI - 6.25/25.00, SPIKE - 2.00/5.00

M & TE ID: PN900902, WD25124,P/NB11620,P/NF02993 METHOD: PNL-MA-599-ALO-212, Var. Loop Size

Analyst.....M. O'Neill 3/4/96..... Reviewer.....[signature] MAR 25 1996.....

INJ	SAMPLE ID	INJ VOL	DIL	F	Cl	NO2	Br	NO3	PO4	SO4
02/08.d26	SC95083111CSP1 - A06	1	100	0.13	0.10	0.50	0.00	2.17	0.47	1.46
02/08.d27	SC95083111CSP1 - A06	10	100	0.50	0.52	2.77	0.00	22.14	3.46	14.36
02/08.d28	96-2619/FLD-BLK.F - A07	100	1	5.28	0.91	12.40	1.15	28.27	11.02	4.67
02/08.d29	96-2620/HYD-FLUID.D -	1	10	0.18	0.15	2.28	19.57	6.06	0.55	0.66
02/08.d30	96-2969/PIT WATER A -	5	1	0.13	3.04	0.00	0.05	0.00	0.00	1.47
02/08.d31	A960123V1/LO - A04	10	2	1.19	1.19	4.71	1.21	4.77	4.83	4.76
02/08.d32	A960123V2/MID - A04	30	2	3.75	3.76	15.13	3.72	15.25	15.19	15.07
02/08.d33	A960123V3/HI - A04	50	2	6.33	6.32	24.75	6.26	25.46	25.44	25.25
02/08.d34	A9602081B2 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d35	A9602081B2 - A01	100	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/08.d36	96-2968/314 EAST WATE	10	10	0.00	0.00	0.00	0.00	1.02	0.00	5.45
02/08.d37	96-2619/FLD-BLK.F - A07	50	1	2.85	0.51	6.59	0.64	15.64	6.00	2.62
02/08.d38	DUP96-2619/FLD-BLK.F -	50	1	2.84	0.53	6.58	0.65	15.69	6.05	2.62
02/08.d39	DUP96-2619/FLD-BLK.F -	100	1	5.28	0.94	12.42	1.11	28.36	11.06	4.69
02/08.d40	96-2620/HYD-FLUID.D -	3	100	0.12	0.09	0.87	6.04	0.00	0.00	0.40
02/08.d41	96-2620/HYD-FLUID.D -	10	10	1.37	1.05	24.04	-397.01	39.84	4.46	5.33
02/08.d42	96-2969/PIT WATER A -	100	20	0.09	3.21	0.00	0.12	0.00	0.00	1.51
02/08.d43	96-2969/PIT WATER A -	100	20	2.05	5.24	4.82	2.02	5.12	4.87	6.28
02/08.d44	96-2969/PIT WATER A -	100	20	2.02	5.24	4.67	1.99	5.12	4.89	6.27
02/08.d45	A960123V1/LO - A38	10	2	1.32	1.38	5.42	1.40	5.50	5.53	5.47
02/08.d46	A960123V2/MID - A38	30	2	4.41	4.41	17.60	4.36	17.74	17.66	17.59
02/08.d47	A960123V3/HI - A38	50	2	7.20	7.33	28.97	7.15	29.19	29.23	29.08
02/08.d48	A9602081B3 - A01	100	1	0.00	0.00	0.00	0.00	1.04	0.20	0.00
02/08.d49	A960123V1/LO - A38	10	2	1.35	1.38	5.46	1.40	5.50	5.58	5.50

SAMPLES ANALYZED ON: 02/08/96 USING SYSTEM IC-325-400-SYS 1 (DATA ARCHIVAL LOCATOR)

AI-450 AS3500 Editor - 02131SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A01	100	1	ELUANT BLANK	1anions1	96021311	1	1	
2	A04	10	1	A960123V1/LO acc	1anions1	96021311	2	1	
3	A04	30	1	A960123V2/MID acc	1anions1	96021311	2	1	
4	A04	50	1	A960123V3/HI acc	1anions1	96021311	2	1	
5	A01	100	1	A9602131B1 acc	1anions1	96021311	1	1	
6	A06	10	1	SC95083111CSP1	1anions1	96021311	100	1	
7	A08	10	1	96-2620/HYD-FLUID.D	1anions1	96021311	10	1	
8	A04	30	1	A960123V2/MID	1anions1	96021311	2	1	
9	A21	100	1	96-2848 BLK	1anions1	96021311	1	1	
10	A19	100	1	96-2848/118.1ADL.D	1anions1	96021311	10	1	
11	A19	100	1	96-2848/118.1ADL.D	1anions1	96021311	10	1	
12	A20	100	1	96-2850/118.3DL.D	1anions1	96020911 13 MO 2.28.96	10	1	
13	A20	100	1	96-2850/118.3DL.D	1anions1	96020911 3 MO 2.28.96	10	1	
14	A37	10	1	A960123V1/LO acc	1anions1	96021311	2	1	
15	A37	30	1	A960123V2/MID acc	1anions1	96021311	2	1	
16	A37	50	1	A960123V3/HI acc	1anions1	96021311	2	1	
17	A01	100	1	A9602131B2 acc	1anions1	96021311	1	1	
18	A06	1	1	SC960213CSP1	1anions1	96021311	10	1	
19	A06	5	1	SC960213CSP1	1anions1	96021311	10	1	
20	A37	10	1	A960123V1/LO acc	1anions1	96021311	2	1	
21	A37	30	1	A960123V2/MID acc	1anions1	96021311	2	1	
22	A37	50	1	A960123V3/HI acc	1anions1	96021311	2	1	
23	A01	100	1	A9602131B3 acc	1anions1	96021311	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	A01	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
2	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
3	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
5	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
7	A08	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A21	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

10	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
11	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
13	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A37	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A37	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
16	A37	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
18	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
19	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
20	A37	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
21	A37	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
22	A37	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
23	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

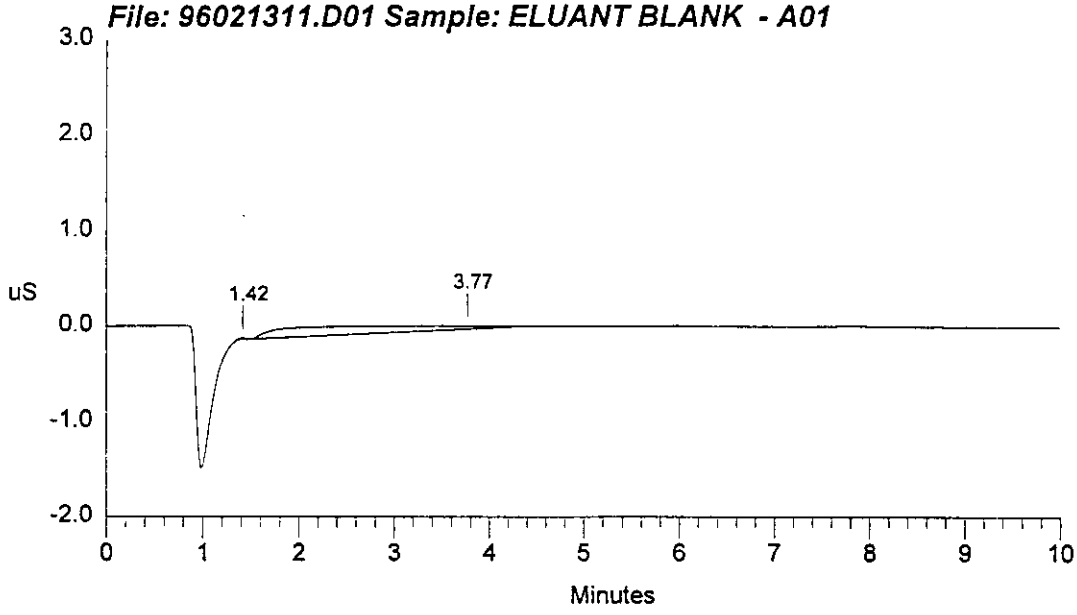
Comment:

```
==========================================================================
| Sample Name: ELUANT BLANK  - A01            Date: 02/13/1996 10:07:17    |
| Data File  : l:\iag\ic\icdata\9602131\96021311.D01                       |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 1   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

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	1.42		0.000	12750	60717	1	
2	3.77	NITRATE	1.146	33198	10295876	1	0.00
		Totals	1.146	45948	10356592		



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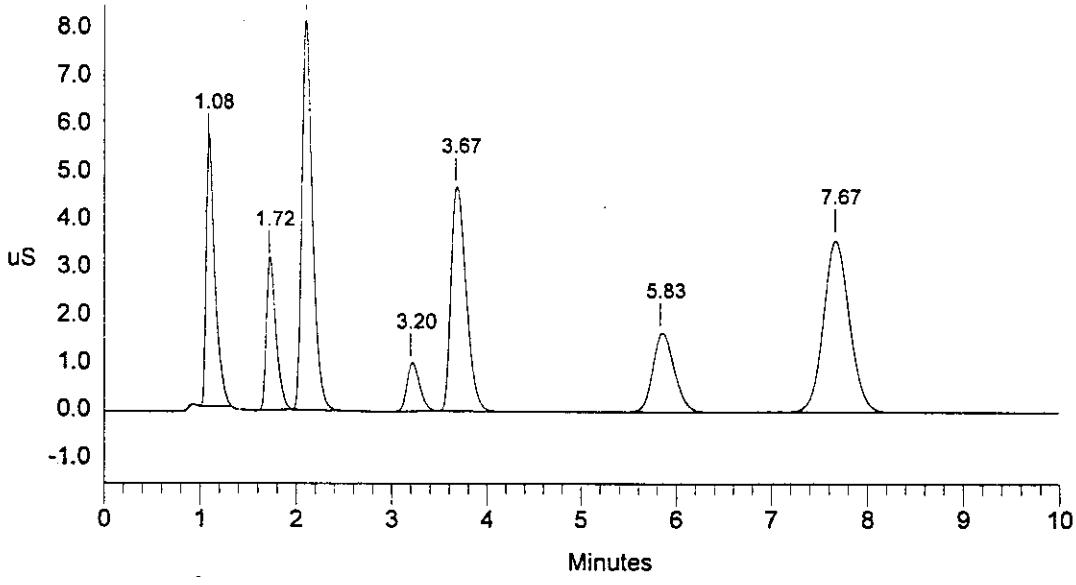
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/13/1996 10:18:41      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D02                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 2   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	23.220	5440487	35393633	1	-1.10
2	1.72	CHLORIDE	23.532	3063880	22041771	1	0.00
3	2.10	NITRITE	93.099	8163800	62720561	1	-0.43
4	3.20	BROMIDE	23.945	948450	9447176	1	1.94
5	3.67	NITRATE	94.646	4624422	52199020	1	0.00
6	5.83	PHOSPHATE	95.955	1608193	26491938	1	-2.73
7	7.67	SULFATE	94.338	3583710	67656389	1	0.00
		Totals	448.735	27432942	275950487		

File: 96021311.D02 Sample: A960123V1/LO - A04



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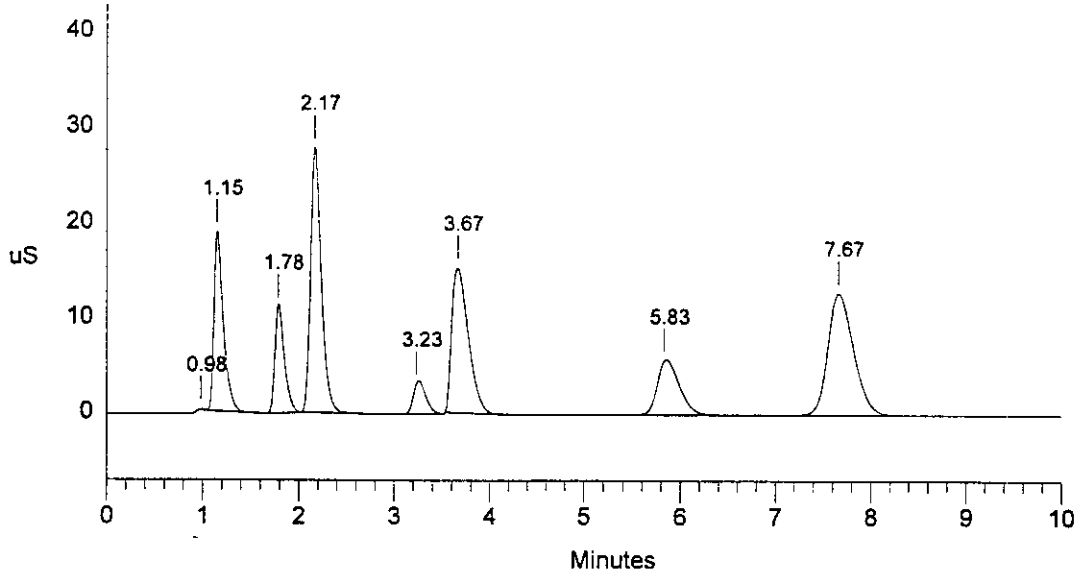
==============================================================================
| Sample Name: A960123V2/MID  - A04          Date: 02/13/1996 10:30:10       |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D03                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 3   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	139407	634325	2	
2	1.15	FLUORIDE	25.196	18776777	126481688	2	1.06
3	1.78	CHLORIDE	25.019	11128961	77164622	1	0.00
4	2.17	NITRITE	100.066	27721728	217301825	1	-1.11
5	3.23	BROMIDE	25.300	3114036	31204990	1	-0.85
6	3.67	NITRATE	100.070	15163695	182945145	1	0.00
7	5.83	PHOSPHATE	101.366	5581923	91866630	1	-2.73
8	7.67	SULFATE	100.615	12735972	238226986	1	0.00
		Totals	477.630	94362500	965826211		

File: 96021311.D03 Sample: A960123V2/MID - A04



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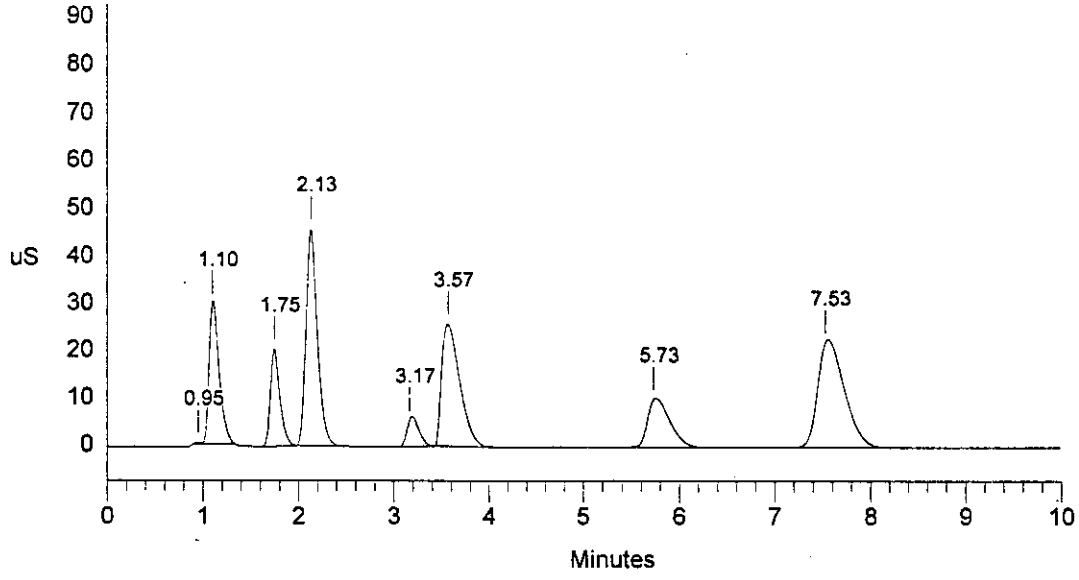
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/13/1996 10:41:52      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D04                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 4   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	222351	870036	2	
2	1.10	FLUORIDE	24.954	29619804	219144234	2	-1.49
3	1.75	CHLORIDE	25.257	20485422	140338760	1	0.00
4	2.13	NITRITE	100.110	45536549	376793981	1	-0.78
5	3.17	BROMIDE	25.496	5458006	53693463	1	-1.04
6	3.57	NITRATE	101.083	25705147	335751280	1	0.00
7	5.73	PHOSPHATE	101.872	9916171	167292594	1	-1.71
8	7.53	SULFATE	101.192	22003145	435046160	1	0.00
		Totals	479.963	158946594	1728930509		

File: 96021311.D04 Sample: A960123V3/HI - A04



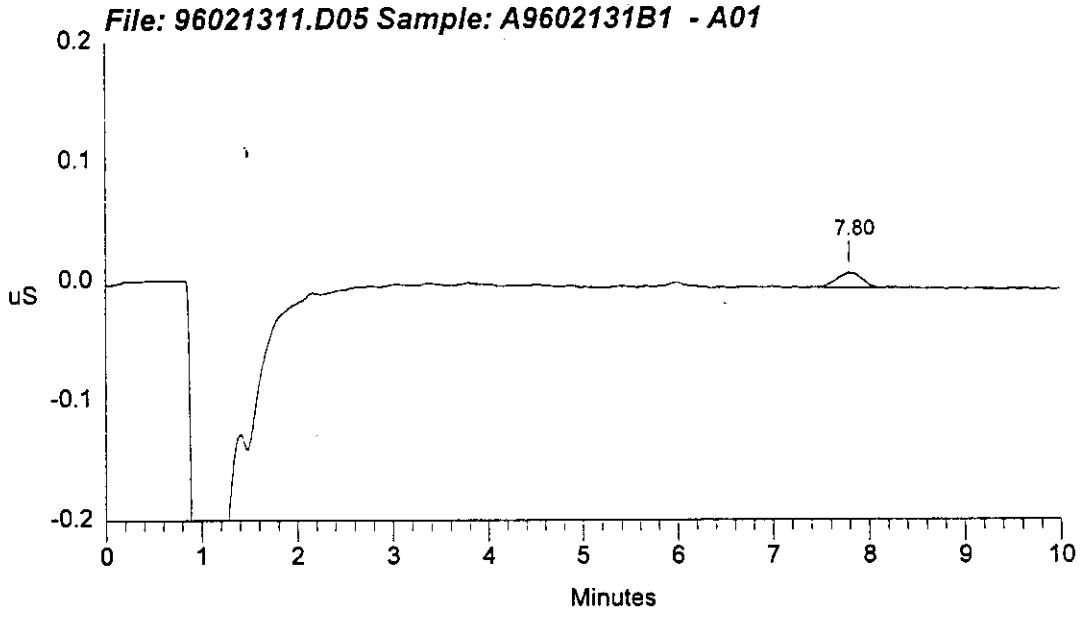
Data Reprocessed On 02/14/1996 15:14:20

Sample Name: A9602131B1 - A01	Date: 02/13/1996 10:54:00
Data File : C:\DX\DATA\9602131\96021311.D05	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 5 Vial:A01	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

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	7.80	SULFATE	0.224	12511	230388	1	0.00
		Totals	0.224	12511	230388		



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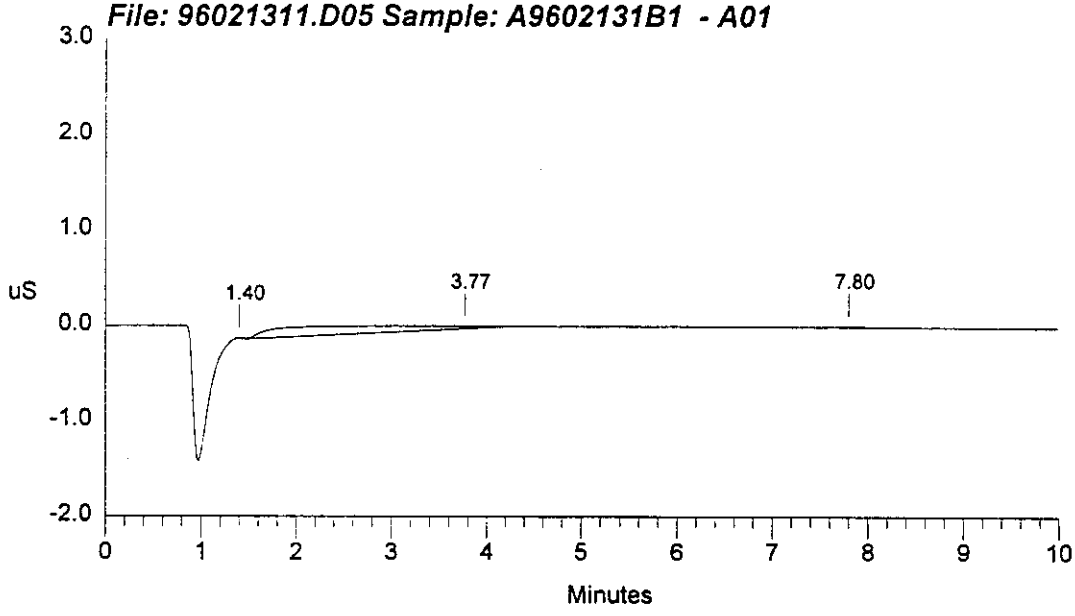
==============================================================================
| Sample Name: A9602131B1  - A01              Date: 02/13/1996 10:54:00      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D05                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.40		0.000	11367	51283	1	
2	3.77	NITRATE	1.094	27727	9704333	1	0.00
3	7.80	SULFATE	0.224	12511	230388	1	0.00
		Totals	1.318	51606	9986004		



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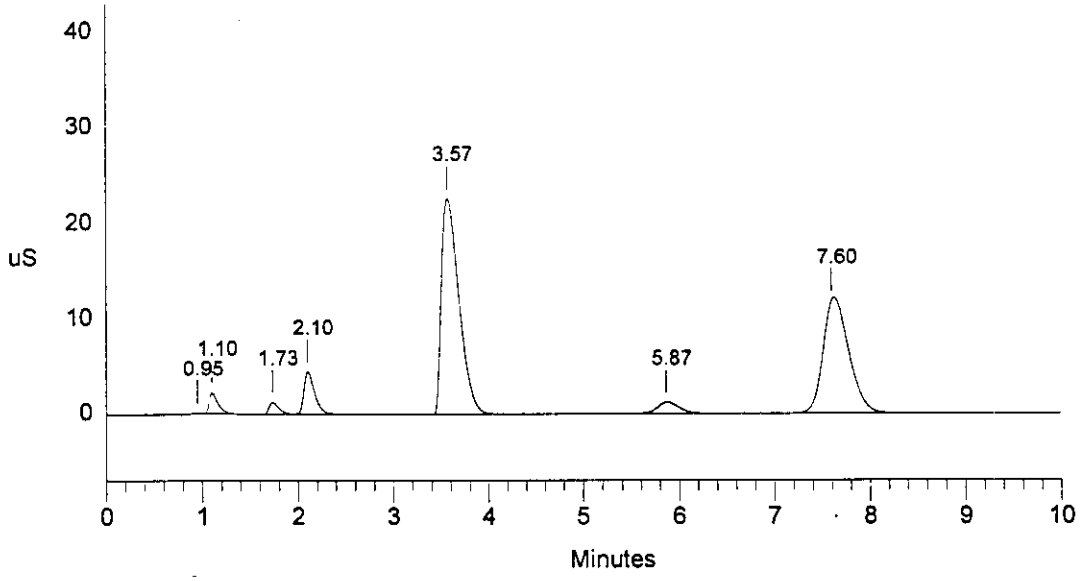
==============================================================================
| Sample Name: SC95083111CSP1  - A06          Date: 02/13/1996 11:05:23      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D06                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	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		0.000	52766	247249	2	
2	1.10	FLUORIDE	492.216	2152060	13179521	2	-0.55
3	1.73	CHLORIDE	523.127	1275661	9051102	1	0.00
4	2.10	NITRITE	2704.045	4446296	34616295	1	-1.39
5	3.57	NITRATE	22299.851	22573682	288501808	1	0.00
6	5.87	PHOSPHATE	3463.013	1174756	18696113	1	0.57
7	7.60	SULFATE	14418.563	11762562	226398681	1	0.00
		Totals	43900.814	43437782	590690769		

File: 96021311.D06 Sample: SC95083111CSP1 - A06



Data Reprocessed On 02/14/1996 15:16:50

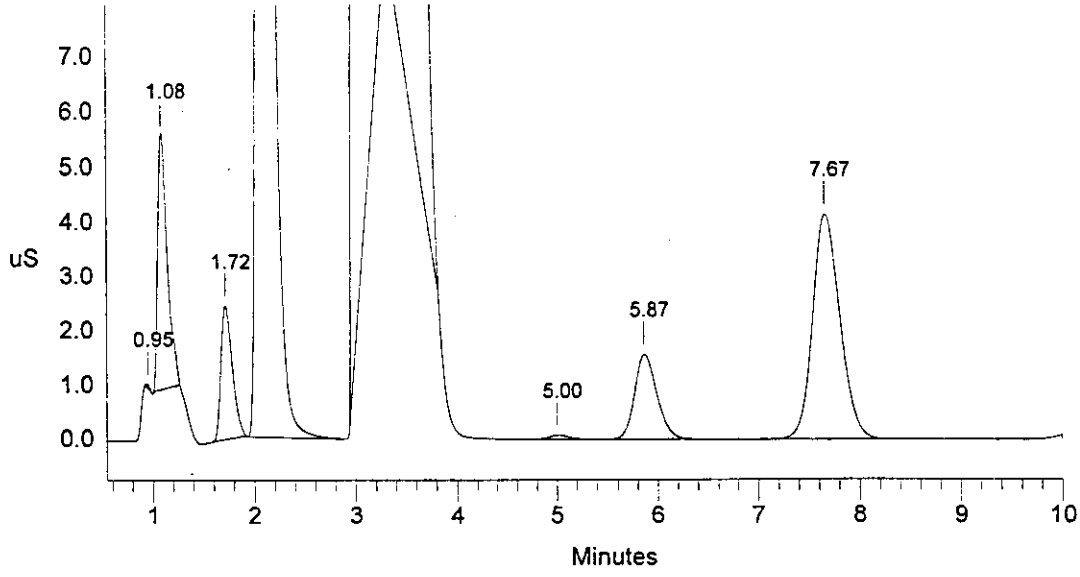
Sample Name: 96-2620/HYD-FLUID.D - A08	Date: 02/13/1996 11:16:46
Data File : C:\DX\DATA\9602131\96021311.D07	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 7 Vial:A08	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.54	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	60672	143158	1	
2	1.08	FLUORIDE	102.043	4631813	30691494	1	-1.10
3	1.72	CHLORIDE	103.542	2457979	19205304	1	0.00
4	2.10	NITRITE	2399.539	40904298	359851137	1	-0.43
5	3.07	BROMIDE	-39754.510	273989945	2600575994	1	-2.31
6	3.43	NITRATE	3983.886	48699899	633494272	1	0.00
7	5.00		0.000	76646	1074138	1	
8	5.87	PHOSPHATE	442.460	1554523	24300734	1	4.48
9	7.67	SULFATE	532.618	4123100	77064280	1	0.00
		Totals	-32190.421	376498876	3746400510		

File: 96021311.D07 Sample: 96-2620/HYD-FLUID.D - A08



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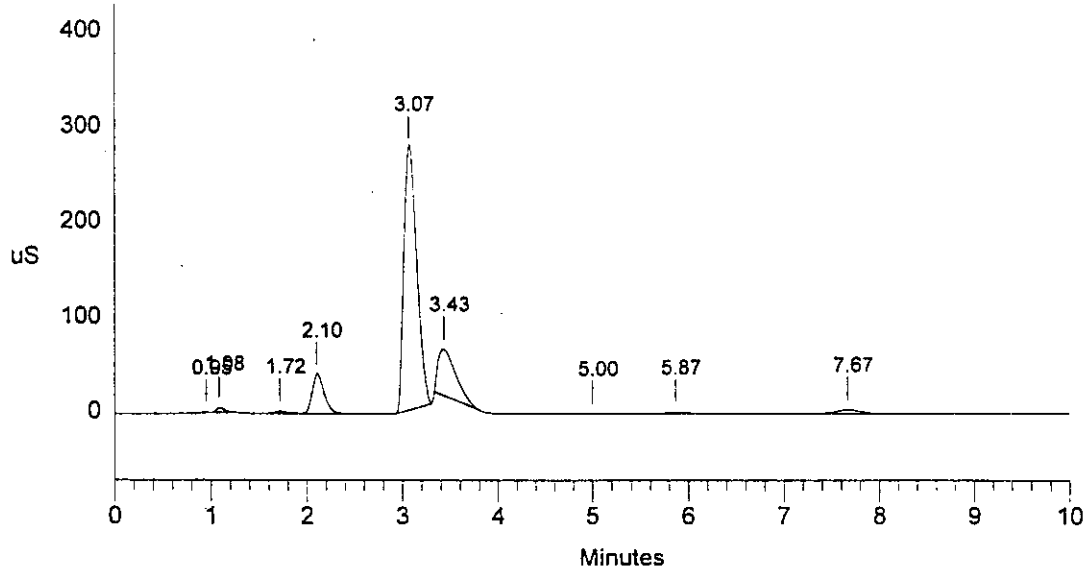
| Sample Name: 96-2620/HYD-FLUID.D  - A08     Date: 02/13/1996 11:16:46      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D07                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 7   Vial:A08        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	5Hz	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	208450	831412	2	
2	1.08	FLUORIDE	108.589	4739805	32878810	2	-1.10
3	1.72	CHLORIDE	104.238	2465036	19344773	1	0.00
4	2.10	NITRITE	2399.539	40904298	359851137	1	-0.43
5	3.07	BROMIDE	-39754.510	273989945	2600575994	1	-2.31
6	3.43	NITRATE	3983.886	48699899	633494272	1	0.00
7	5.00		0.000	76646	1074138	1	
8	5.87	PHOSPHATE	443.282	1555159	24348914	1	4.48
9	7.67	SULFATE	533.615	4124912	77218685	1	0.00
		Totals	-32181.361	376764150	3749618134		

File: 96021311.D07 Sample: 96-2620/HYD-FLUID.D - A08



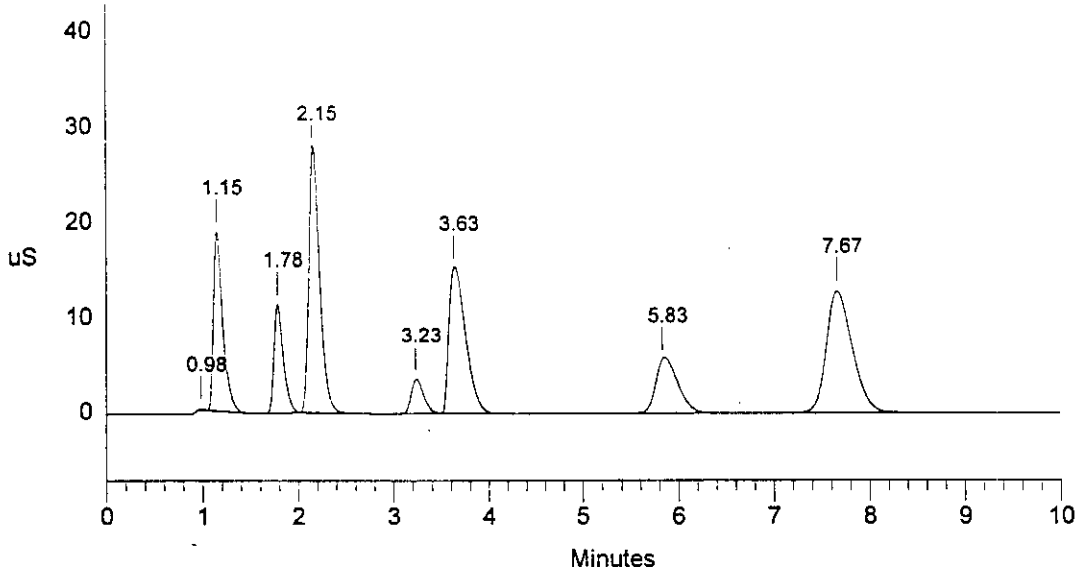
```
==============================================================================
| Sample Name: A960123V2/MID  - A04            Date: 02/13/1996 11:28:18      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D08                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	80520	251232	1	
2	1.15	FLUORIDE	25.074	18771653	125817577	1	1.06
3	1.78	CHLORIDE	24.943	11404086	76904483	1	0.00
4	2.15	NITRITE	100.989	26718257	219436125	1	-1.87
5	3.23	BROMIDE	25.304	3487853	31211074	1	-0.85
6	3.63	NITRATE	101.463	15190598	185800133	1	0.00
7	5.83	PHOSPHATE	101.332	5557672	91831982	1	-1.83
8	7.67	SULFATE	100.686	12780010	238417336	1	0.00
		Totals	479.791	93990649	969669943		

File: 96021311.D08 Sample: A960123V2/MID - A04



Data Reprocessed On 02/14/1996 15:21:23

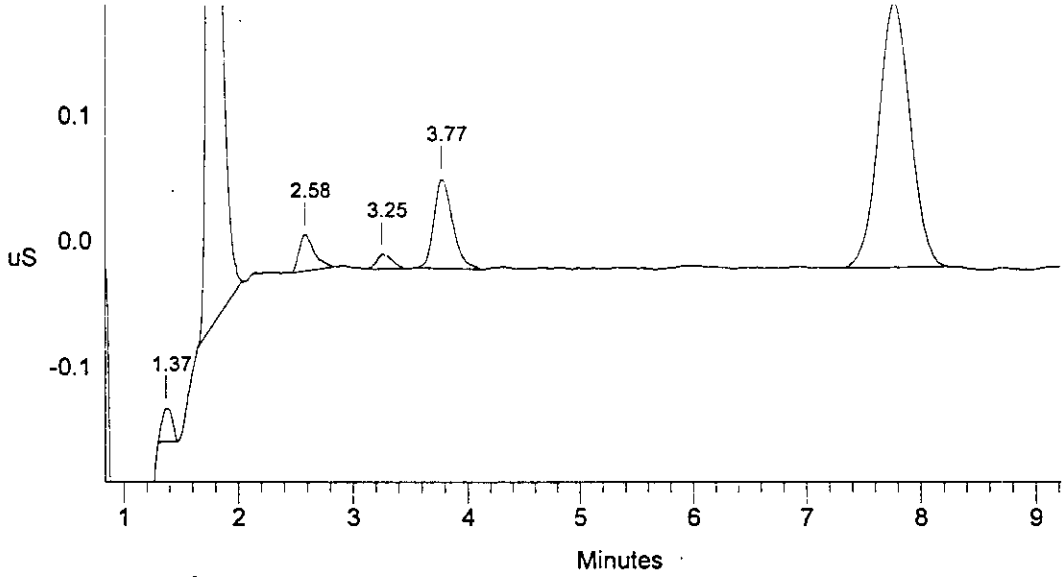
Sample Name: 96-2848 BLK - A21	Date: 02/13/1996 11:40:23
Data File : C:\DX\DATA\9602131\96021311.D09	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 9 Vial:A21	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	0.84	9.22	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.37		0.000	26774	168994	1	
2	1.77	CHLORIDE	0.353	764456	5729774	1	0.00
3	2.58		0.000	28486	265618	1	
4	3.25	BROMIDE	0.052	11399	113667	1	0.71
5	3.77	NITRATE	0.314	71175	803778	1	0.00
6	7.77	SULFATE	0.485	209695	4063059	1	0.00
		Totals	1.204	1111985	11144890		

File: 96021311.D09 Sample: 96-2848 BLK - A21

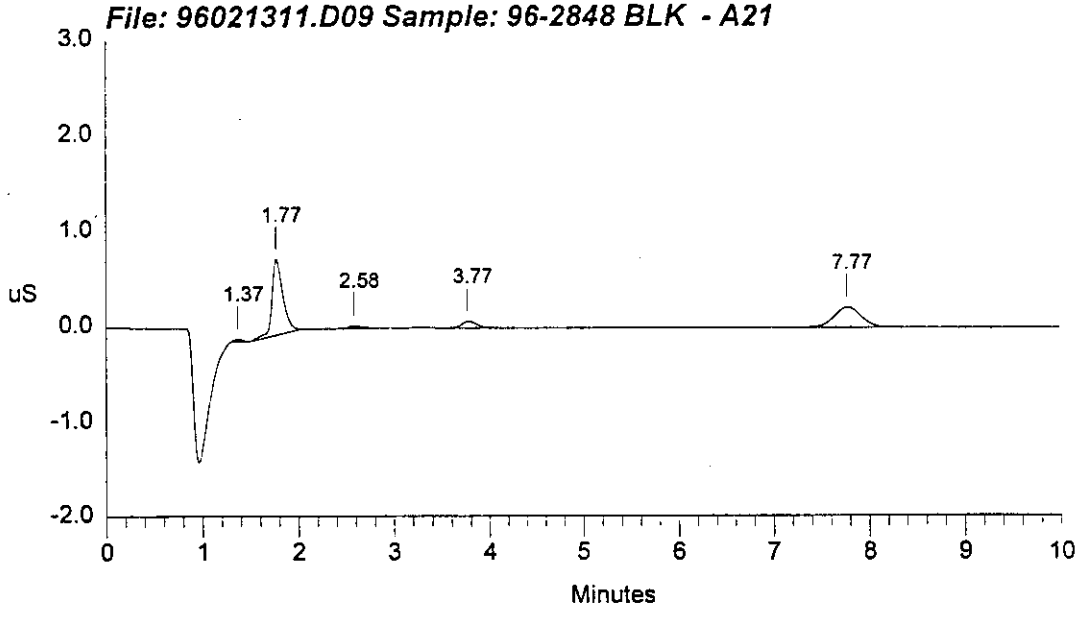


```
==============================================================================
| Sample Name: 96-2848 BLK  - A21              Date: 02/13/1996 11:40:23      |
| Data File  : l:\iag\ic\icdata\9602131\96021311.D09                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 9   Vial:A21        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.37		0.000	26774	168994	1	
2	1.77	CHLORIDE	0.384	790247	6336476	1	0.00
3	2.58		0.000	29208	363584	1	
4	3.77	NITRATE	0.315	70509	822391	1	0.00
5	7.77	SULFATE	0.491	210089	4147484	1	0.00
		Totals	1.190	1126828	11838929		



Data Reprocessed On 02/14/1996 15:28:01

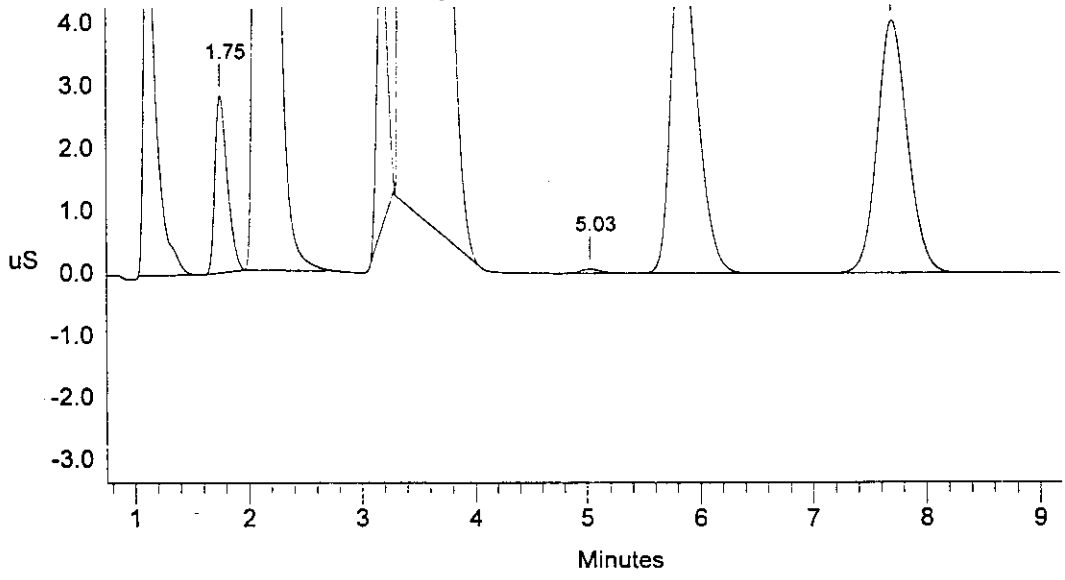
Sample Name: 96-2848/118.1ADL.D - A19		Date: 02/13/1996 11:52:27	
Data File : C:\DX\DATA\9602131\96021311.D10			
Method : c:\dx\method\1anions1.met			
ACI Address: 1 System: 1 Inject#: 10 Vial:A19			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	10	3000	5Hz	0.75	9.19	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12	FLUORIDE	14.489	5873847	45078255	1	0.00
2	1.75	CHLORIDE	11.454	2816867	21414592	1	0.00
3	2.15	NITRITE	271.476	47797542	412000711	1	0.00
4	3.17	BROMIDE	33.833	3948369	27700343	1	-1.04
5	3.43	NITRATE	481.821	71807386	1131385333	1	0.00
6	5.03		0.000	67940	913686	1	
7	5.83	PHOSPHATE	143.738	5365936	86302705	1	3.88
8	7.70	SULFATE	52.221	4009117	75452541	1	0.00
		Totals	1009.032	141687004	1800248166		

File: 96021311.D10 Sample: 96-2848/118.1ADL.D - A19



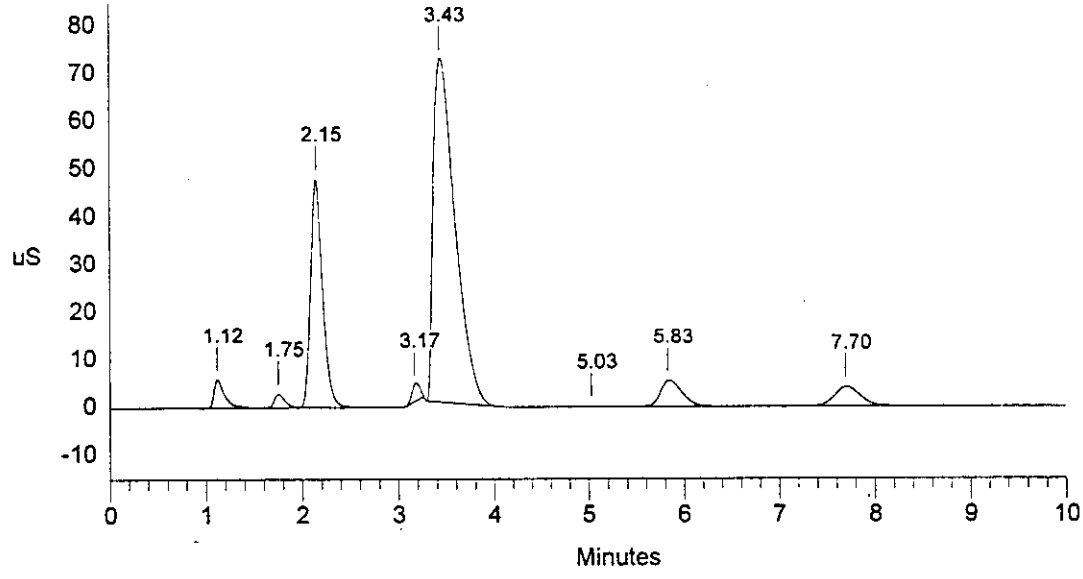
```
==============================================================================
| Sample Name: 96-2848/118.1ADL.D  - A19      Date: 02/13/1996 11:52:27      |
| Data File  : l:\iag\ic\icdata\9602131\96021311.D10                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 10  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	14.506	5874408	45136257	1	0.00
2	1.75	CHLORIDE	11.370	2810288	21244760	1	0.00
3	2.15	NITRITE	271.947	47803829	412790126	1	0.00
4	3.17	BROMIDE	26.487	3494535	21500164	1	-1.04
5	3.43	NITRATE	481.821	71807386	1131385333	1	0.00
6	5.03		0.000	68920	958022	1	
7	5.83	PHOSPHATE	143.738	5365936	86302705	1	3.88
8	7.70	SULFATE	52.221	4009117	75452541	1	0.00
		Totals	1002.091	141234418	1794769907		

File: 96021311.D10 Sample: 96-2848/118.1ADL.D - A19



Data Reprocessed On 02/14/1996 15:29:46

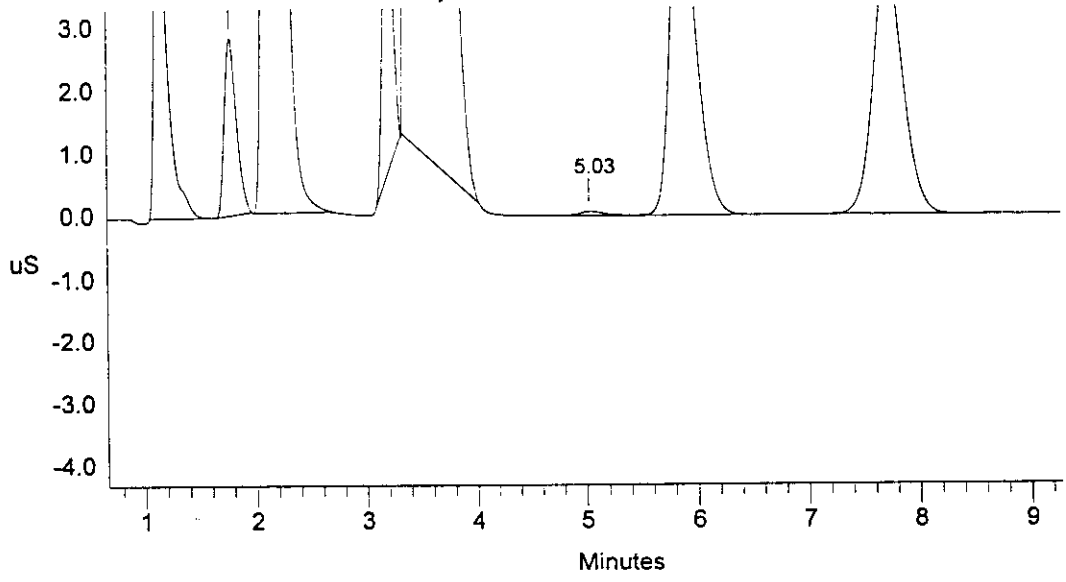
Sample Name: 96-2848/118.1ADL.D - A19	Date: 02/13/1996 12:04:35
Data File : C:\DX\DATA\9602131\96021311.D11	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 11 Vial:A19	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	10	3000	5Hz	0.66	9.27	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	14.461	5869435	44985773	1	0.54
2	1.77	CHLORIDE	11.381	2812003	21266605	1	0.00
3	2.17	NITRITE	271.106	47864851	411381809	1	-0.18
4	3.20	BROMIDE	34.809	4371865	28529386	1	-0.94
5	3.43	NITRATE	481.864	68698689	1130077489	1	0.00
6	5.03		0.000	64662	941323	1	
7	5.87	PHOSPHATE	143.639	5463592	86236546	1	4.48
8	7.70	SULFATE	52.153	3925937	75347004	1	0.00
		Totals	1009.414	139071034	1798765934		

File: 96021311.D11 Sample: 96-2848/118.1ADL.D - A19



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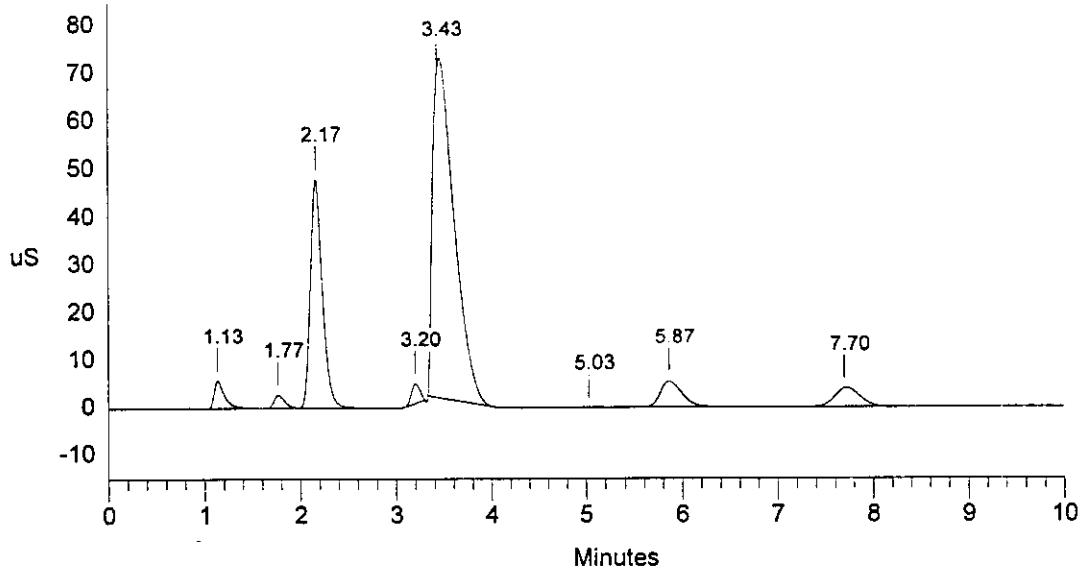
==============================================================================
| Sample Name: 96-2848/118.1ADL.D  - A19      Date: 02/13/1996 12:04:35      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D11                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 11  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	14.461	5869435	44985773	1	0.54
2	1.77	CHLORIDE	11.381	2812003	21266605	1	0.00
3	2.17	NITRITE	271.894	47877148	412700027	1	-0.18
4	3.20	BROMIDE	30.974	4119652	25279313	1	-0.94
5	3.43	NITRATE	482.457	67587068	1102675341	1	0.00
6	5.03		0.000	64662	941323	1	
7	5.87	PHOSPHATE	143.780	5464854	86330497	1	4.48
8	7.70	SULFATE	52.153	3925937	75347004	1	0.00
		Totals	1007.100	137720759	1769525882		

File: 96021311.D11 Sample: 96-2848/118.1ADL.D - A19



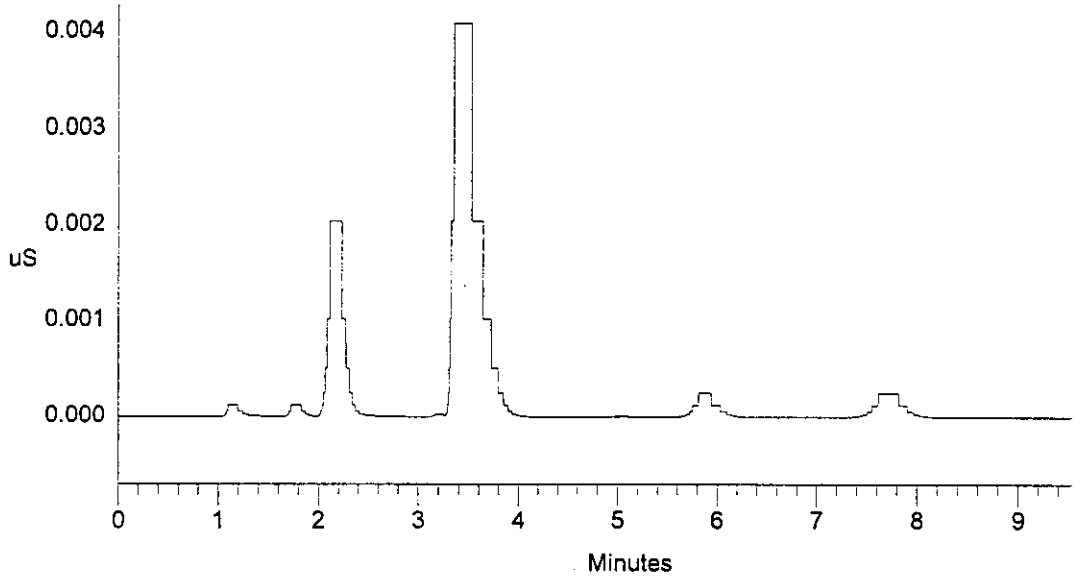
```
==============================================================================
| Sample Name: 96-2850/118.3DL.D  - A20       Date: 02/13/1996 12:16:15      |
| Data File  : c:\DX\DATA\9602091\96020921.D12                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 12  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	2863	5Hz	0.00	9.54	30000	

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

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

File: 96020921.D12 Sample: 96-2850/118.3DL.D - A20



Data Reprocessed On 02/14/1996 15:40:27

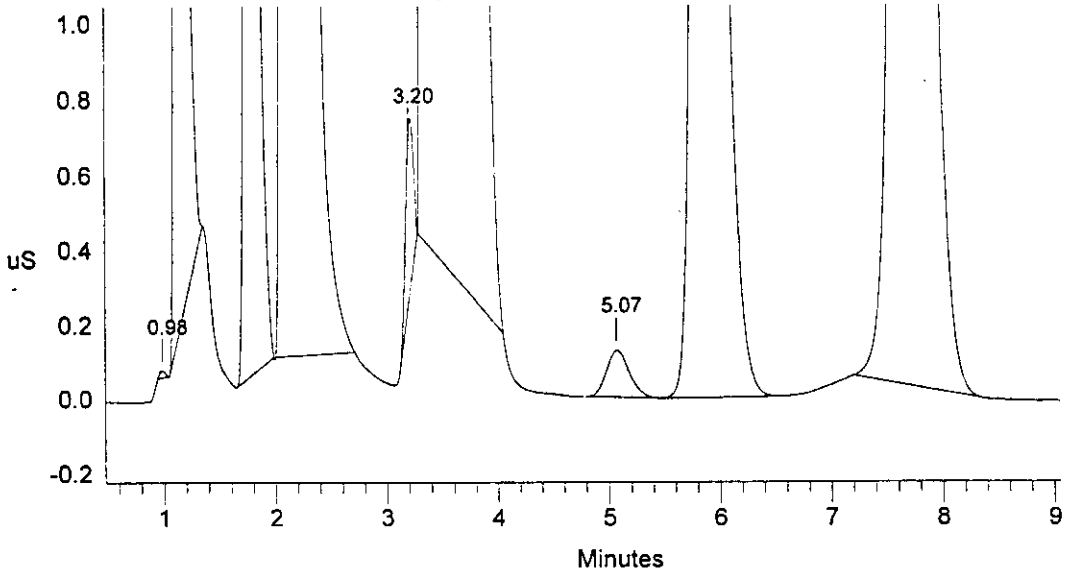
Sample Name: 96-2850/118.3DL.D - A20	Date: 02/13/1996 12:32:35
Data File : L:\IAG\IC\ICDATA\9602131\96021311.D13	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 13 Vial:A20	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	10	3000	5Hz	0.47	9.05	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98		0.000	18298	63318	1	
2	1.15	FLUORIDE	8.039	3354075	23481903	1	1.06
3	1.78	CHLORIDE	13.739	3434021	26034746	1	0.00
4	2.18	NITRITE	340.487	59208533	530630189	1	-0.35
5	3.20	BROMIDE	3.121	432512	2219472	1	-1.87
6	3.40	NITRATE	402.867	89140273	1533503159	1	0.00
7	5.07		0.000	126080	1761398	1	
8	5.87	PHOSPHATE	134.522	5008913	80210547	1	5.50
9	7.70	SULFATE	75.529	5852434	112032240	1	0.00
		Totals	978.304	166575140	2309936972		

File: 96021311.D13 Sample: 96-2850/118.3DL.D - A20



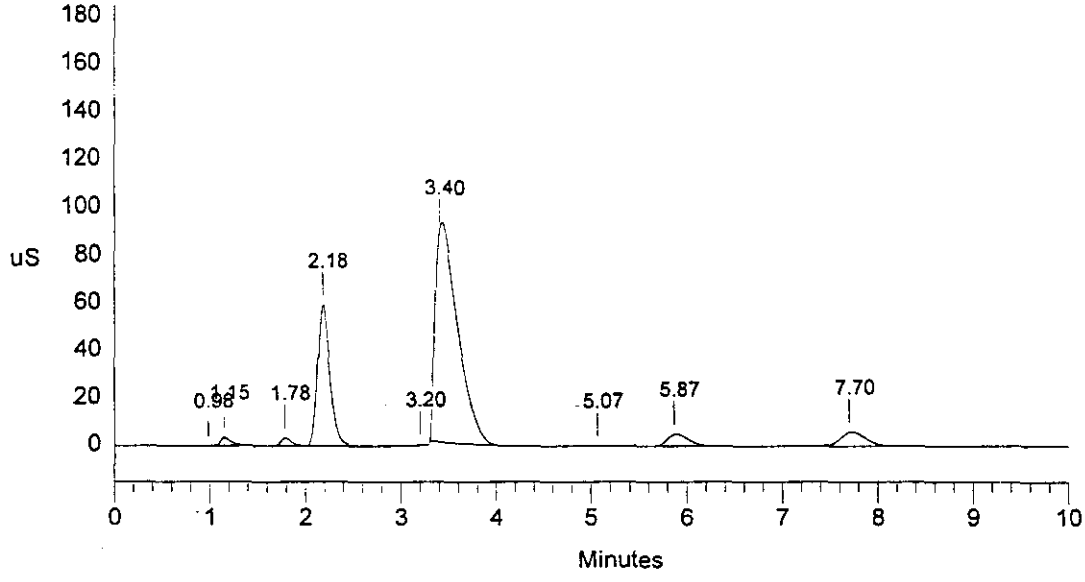
```
==============================================================================
| Sample Name: 96-2850/118.3DL.D  - A20        Date: 02/13/1996 12:32:35      |
| Data File  : c:\DX\DATA\9602091\96020921.D13                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 13  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	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	18874	69915	2	
2	1.15	FLUORIDE	9.902	3502559	29684205	2	1.06
3	1.78	CHLORIDE	13.739	3434021	26034746	1	0.00
4	2.18	NITRITE	341.500	59225219	532420035	1	-0.35
5	3.20	BROMIDE	2.520	376447	1732206	1	-1.87
6	3.40	NITRATE	416.066	87677964	1495068326	1	0.00
7	5.07		0.000	127026	1795304	1	
8	5.87	PHOSPHATE	134.522	5008913	80210547	1	5.50
9	7.70	SULFATE	77.541	5888771	115238180	1	0.00
		Totals	995.789	165259793	2282253464		

File: 96020921.D13 Sample: 96-2850/118.3DL.D - A20



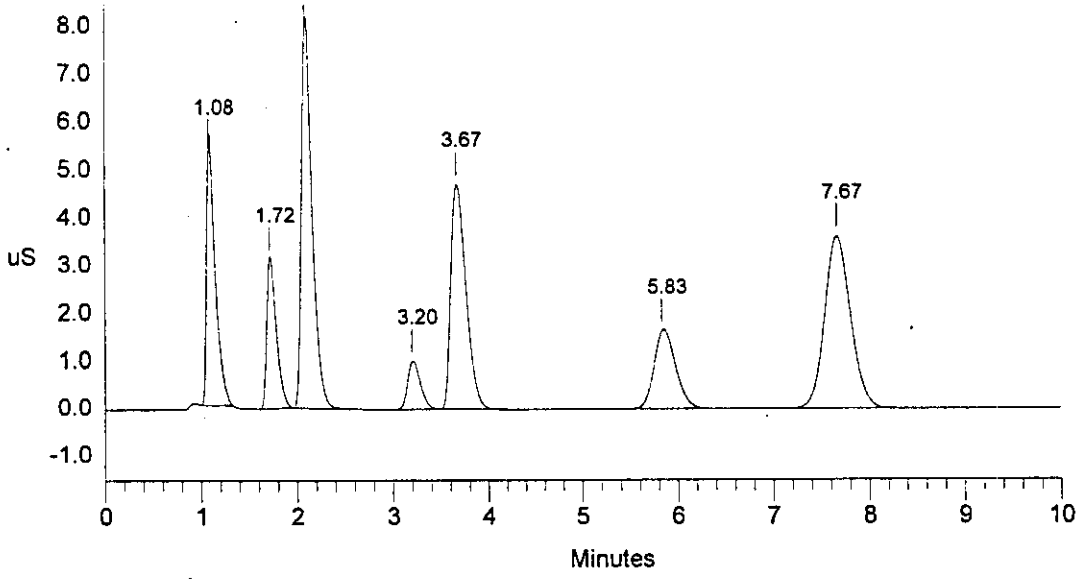
```
==============================================================================
| Sample Name: A960123V1/LO  - A37            Date: 02/13/1996 12:43:55      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D14                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A37        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	23.075	5287212	35150586	1	-1.10
2	1.72	CHLORIDE	23.444	3121725	21953008	1	0.00
3	2.08	NITRITE	93.579	7742343	63068055	1	-1.22
4	3.20	BROMIDE	23.969	996812	9456851	1	1.94
5	3.67	NITRATE	94.237	4690258	51954986	1	0.00
6	5.83	PHOSPHATE	95.672	1618669	26408816	1	-2.73
7	7.67	SULFATE	94.335	3602746	67653874	1	0.00
		Totals	448.310	27059766	275646176		

File: 96021311.D14 Sample: A960123V1/LO - A37



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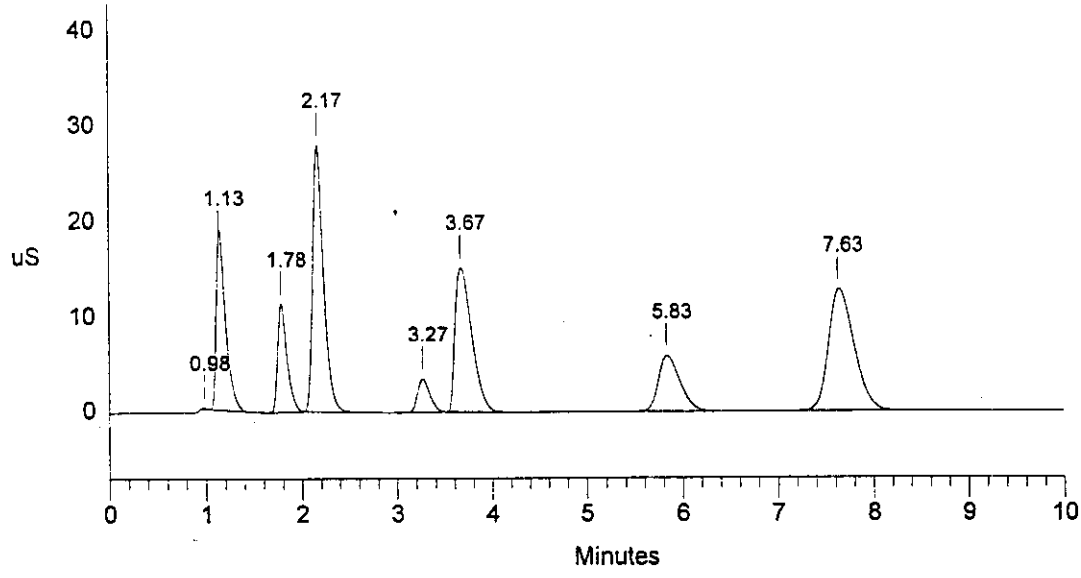
==============================================================================
| Sample Name: A960123V2/MID  - A37          Date: 02/13/1996 12:55:27       |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D15                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 15  Vial:A37        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	2	3000	5Hz	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	118381	469636	2	
2	1.13	FLUORIDE	25.262	17491252	126839826	2	-0.40
3	1.78	CHLORIDE	25.122	11358889	77517584	1	0.00
4	2.17	NITRITE	101.064	27872670	219608729	1	-1.11
5	3.27	BROMIDE	25.194	3488340	31069914	1	0.18
6	3.67	NITRATE	101.436	15092667	185744909	1	0.00
7	5.83	PHOSPHATE	101.970	5817054	92476716	1	-2.73
8	7.63	SULFATE	101.169	12715443	239695839	1	0.00
		Totals	481.217	93954696	973423153		

File: 96021311.D15 Sample: A960123V2/MID - A37



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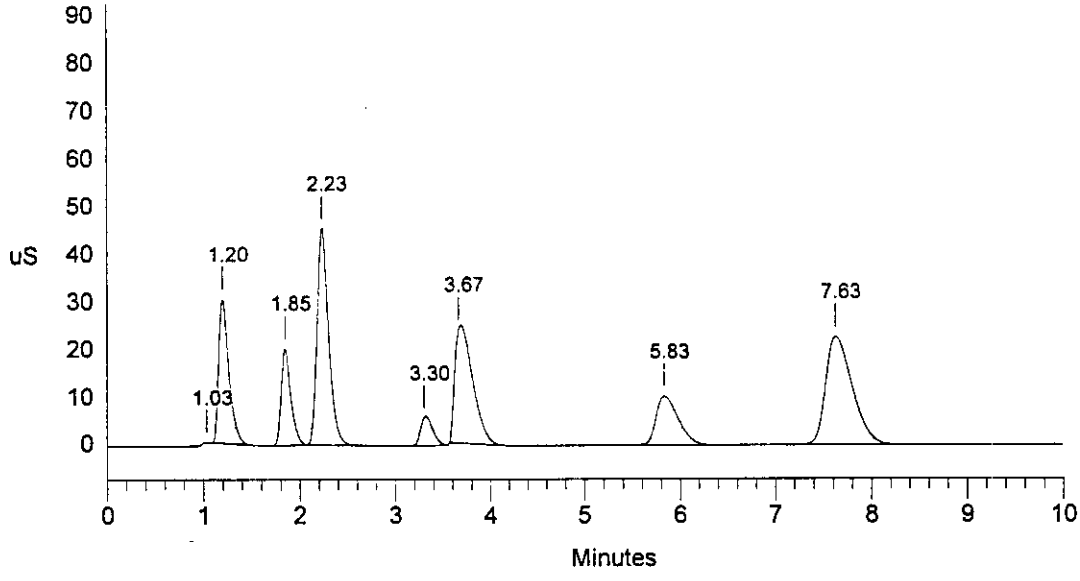
==============================================================================
| Sample Name: A960123V3/HI  - A37            Date: 02/13/1996 13:07:05      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D16                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 16  Vial:A37        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	118227	347341	1	
2	1.20	FLUORIDE	25.394	30188836	223481682	1	1.65
3	1.85	CHLORIDE	25.327	20480346	140813080	1	0.00
4	2.23	NITRITE	101.062	45395616	380721171	1	-1.74
5	3.30	BROMIDE	25.726	5871315	54205639	1	-2.45
6	3.67	NITRATE	99.250	23864853	328270261	1	0.00
7	5.83	PHOSPHATE	102.396	10339072	168354056	1	-2.73
8	7.63	SULFATE	101.662	22787483	437545610	1	0.00
		Totals	480.817	159045747	1733738840		

File: 96021311.D16 Sample: A960123V3/HI - A37



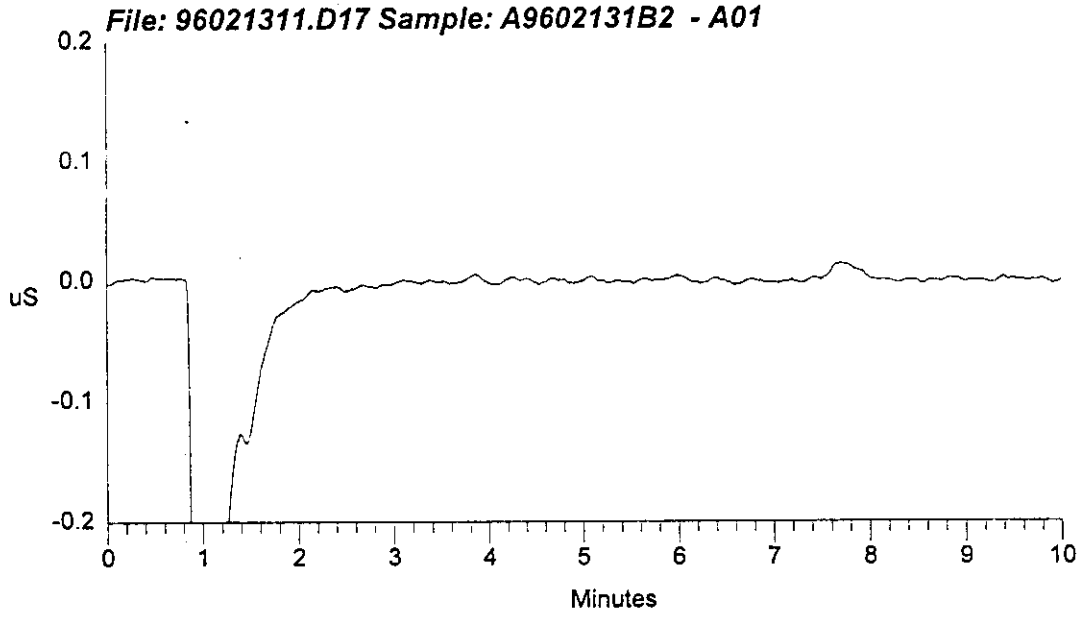
Data Reprocessed On 02/14/1996 15:46:40

```
==============================================================================
| Sample Name: A9602131B2  - A01                Date: 02/13/1996 13:19:09     |
| Data File  : C:\DX\DATA\9602131\96021311.D17                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 17  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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
		Totals	0.000	0	0		

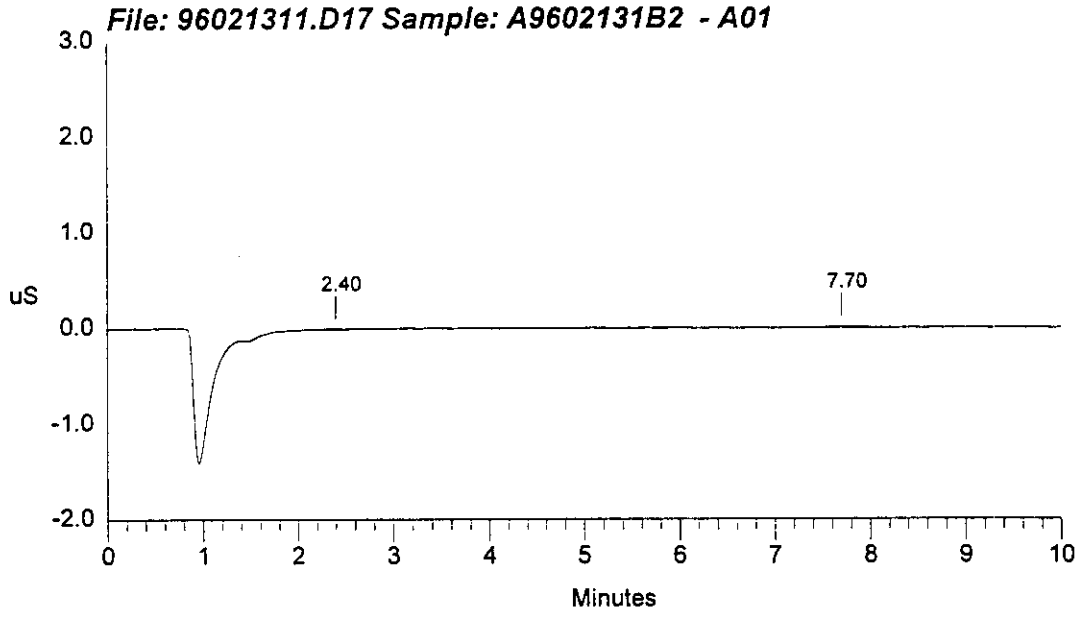


```
==============================================================================
| Sample Name: A9602131B2  - A01                Date: 02/13/1996 13:19:09     |
| Data File  : l:\iag\ic\icdata\9602131\96021311.D17                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 17  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	7.70	SULFATE	0.229	14398	305501	1	0.00
		Totals	0.229	14398	305501		



Data Reprocessed On 02/14/1996 15:53:07

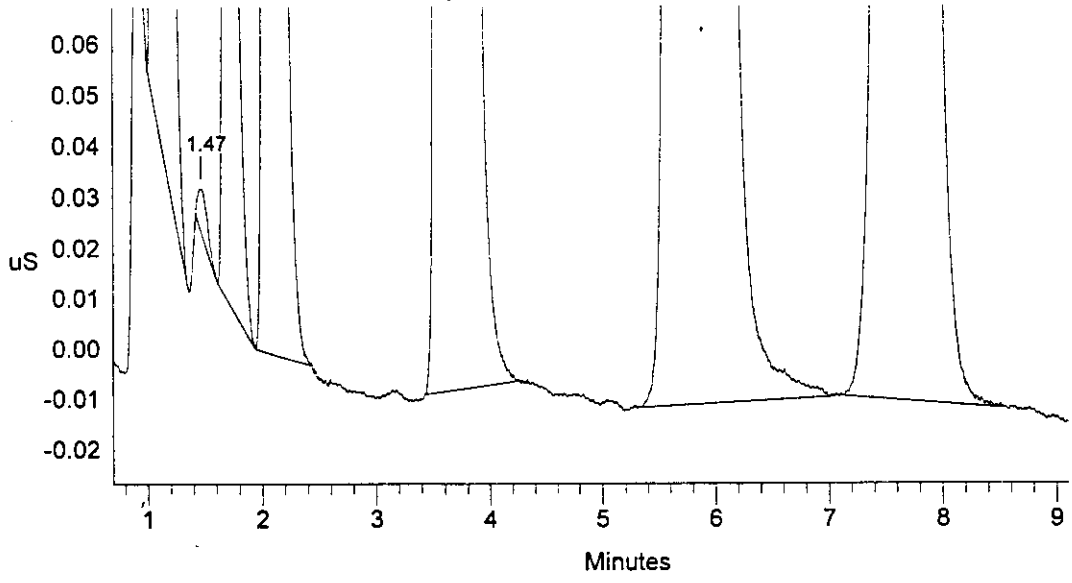
Sample Name: SC960213CSP1 - A06	Date: 02/13/1996 14:14:59
Data File : C:\DX\DATA\9602131\96021311.D18	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 18 Vial:A06	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10	3000	5Hz	0.69	9.10	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.07	FLUORIDE	312.113	1072954	7263728	1	-1.67
2	1.47		0.000	8082	51907	1	
3	1.70	CHLORIDE	144.976	237303	1689525	1	0.00
4	2.07	NITRITE	764.503	860382	6970924	1	-1.05
5	3.63	NITRATE	5247.669	5241460	58359827	1	0.00
6	5.77	PHOSPHATE	19170.054	7385357	119415530	1	-2.96
7	7.67	SULFATE	2221.728	1549368	29803384	1	0.00
		Totals	27861.043	16354906	223554825		

File: 96021311.D18 Sample: SC960213CSP1 - A06



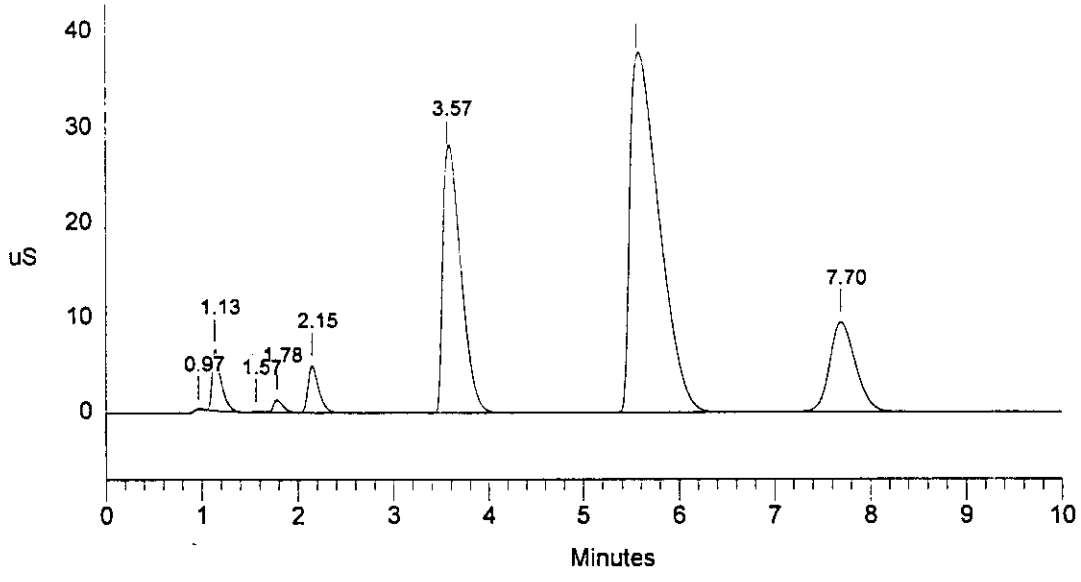
```
==============================================================================
| Sample Name: SC960213CSP1  - A06            Date: 02/13/1996 14:31:06      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D19                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 19  Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	10	3000	5Hz	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	139179	797420	2	
2	1.13	FLUORIDE	271.055	6238614	41921204	2	-0.40
3	1.57		0.000	71689	472161	1	
4	1.78	CHLORIDE	104.394	1330845	9028433	1	0.00
5	2.15	NITRITE	597.813	5004401	38703420	1	-1.87
6	3.57	NITRATE	5462.184	27308171	369991256	1	0.00
7	5.57	PHOSPHATE	7503.119	37196993	805346807	1	-4.57
8	7.70	SULFATE	2290.643	9424240	175689232	1	0.00
		Totals	16229.208	86714131	1441949933		

File: 96021311.D19 Sample: SC960213CSP1 - A06



Data Reprocessed On 02/14/1996 15:56:25

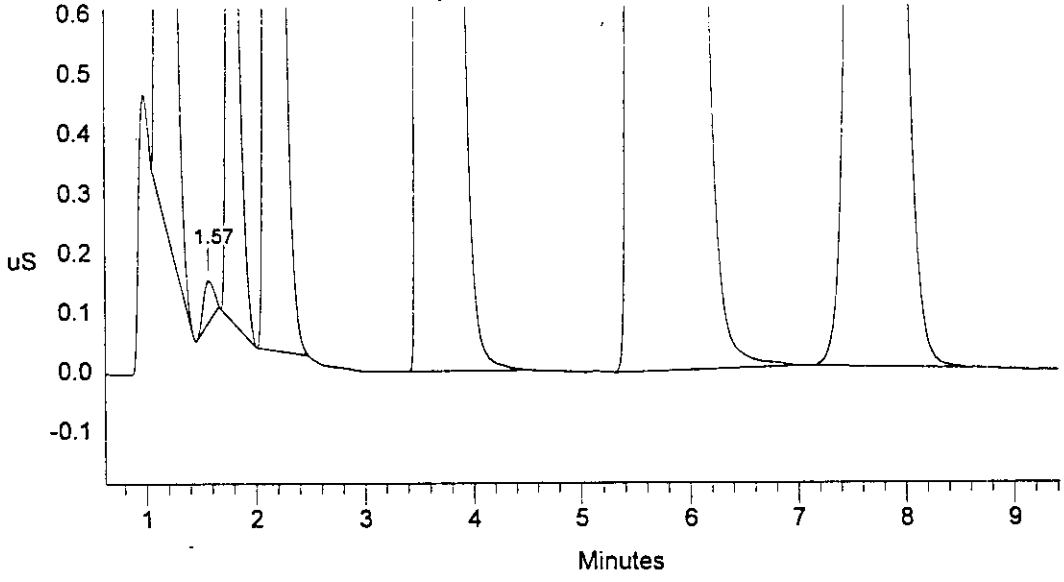
Sample Name: SC960213CSP1 - A06	Date: 02/13/1996 14:31:06
Data File : C:\DX\DATA\9602131\96021311.D19	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 19 Vial:A06	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	5	10	3000	5Hz	0.62	9.41	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	266.210	6177729	41105412	1	-0.40
2	1.57		0.000	71689	472161	1	
3	1.78	CHLORIDE	104.394	1330845	9028433	1	0.00
4	2.15	NITRITE	596.899	5002441	38637819	1	-1.87
5	3.57	NITRATE	5461.559	27307963	369937513	1	0.00
6	5.57	PHOSPHATE	7503.119	37196993	805346807	1	-4.57
7	7.70	SULFATE	2290.643	9424240	175689232	1	0.00
		Totals	16222.824	86511900	1440217378		

File: 96021311.D19 Sample: SC960213CSP1 - A06



Data Reprocessed On 02/13/1996 15:35:12

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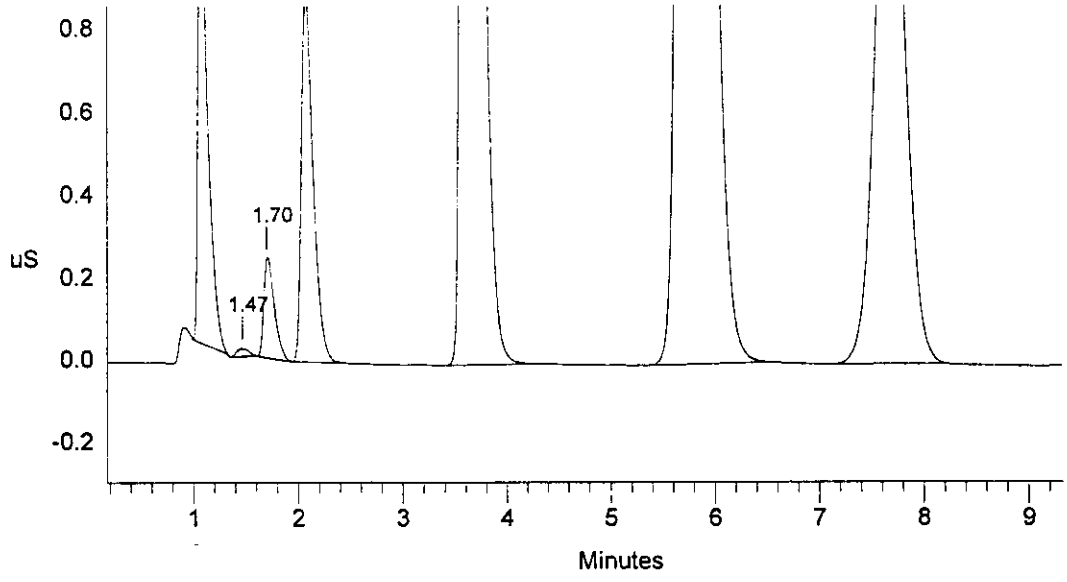
==============================================================================
| Sample Name: SC960213CSP1  - A06            Date: 02/13/1996 14:14:59      |
| Data File  : L:\IAG\IC\ICDATA\9602131\96021311.D18                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 18  Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10	3000	5Hz	0.17	9.33		30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.07	FLUORIDE	311.233	1072372	7234918	1	-1.67
2	1.47		0.000	18893	146272	1	
3	1.70	CHLORIDE	144.903	237214	1688106	1	0.00
4	2.07	NITRITE	764.083	860278	6964968	1	-1.05
5	3.63	NITRATE	5249.857	5242234	58386066	1	0.00
6	5.77	PHOSPHATE	19128.838	7383273	119119974	1	-2.96
7	7.67	SULFATE	2214.712	1548101	29698430	1	0.00
		Totals	27813.626	16362365	223238735		

File: 96021311.D18 Sample: SC960213CSP1 - A06



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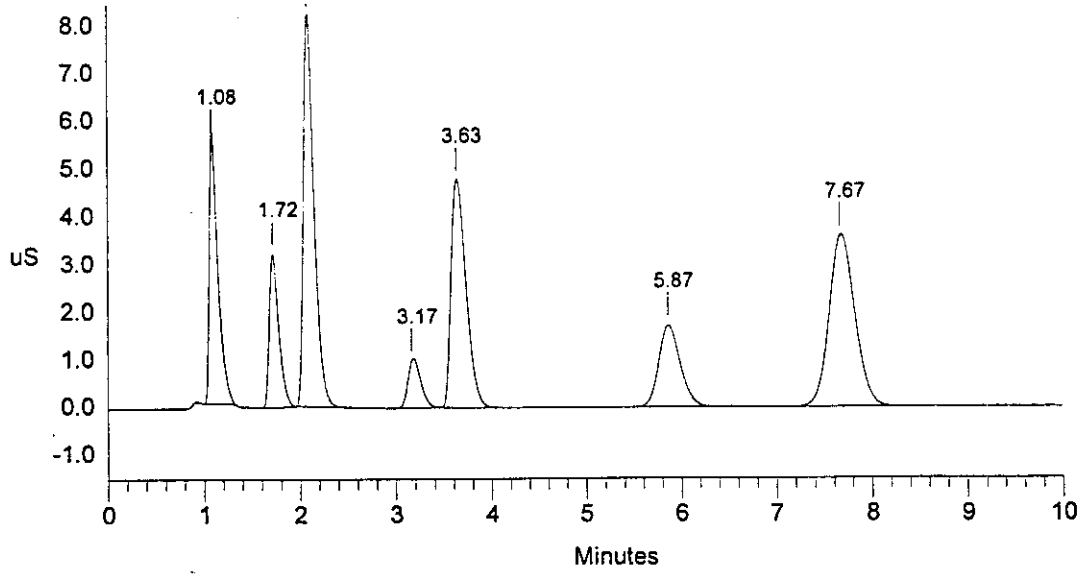
==============================================================================
| Sample Name: A960123V1/LO  - A37            Date: 02/13/1996 14:42:26      |
| Data File  : l:\iag\ic\icdata\9602131\96021311.D20                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 20  Vial:A37        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	23.226	5499043	35402948	1	-1.10
2	1.72	CHLORIDE	23.617	3211530	22127648	1	0.00
3	2.08	NITRITE	93.507	8164070	63016346	1	-1.22
4	3.17	BROMIDE	24.112	978465	9515769	1	0.88
5	3.63	NITRATE	94.917	4758058	52360183	1	0.00
6	5.87	PHOSPHATE	98.132	1714624	27132848	1	-1.27
7	7.67	SULFATE	94.811	3583935	68020184	1	0.00
		Totals	452.321	27909726	277575927		

File: 96021311.D20 Sample: A960123V1/LO - A37



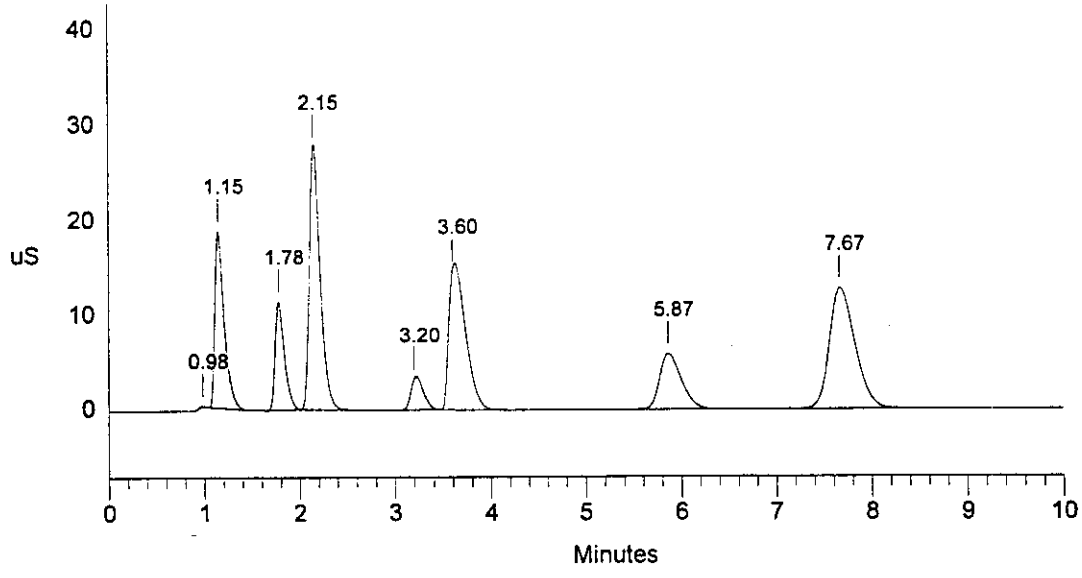
```
==============================================================================
| Sample Name: A960123V2/MID  - A37            Date: 02/13/1996 14:53:54      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D21                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 21  Vial:A37        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	78716	243338	1	
2	1.15	FLUORIDE	25.084	18684097	125876756	1	1.06
3	1.78	CHLORIDE	24.927	11448046	76848562	1	0.00
4	2.15	NITRITE	100.621	27603807	218586526	1	-1.87
5	3.20	BROMIDE	24.702	3153625	30439355	1	-1.87
6	3.60	NITRATE	101.459	14616826	185790803	1	0.00
7	5.87	PHOSPHATE	101.365	5818271	91865248	1	-0.36
8	7.67	SULFATE	100.387	12717279	237625337	1	0.00
		Totals	478.545	94120668	967275925		

File: 96021311.D21 Sample: A960123V2/MID - A37



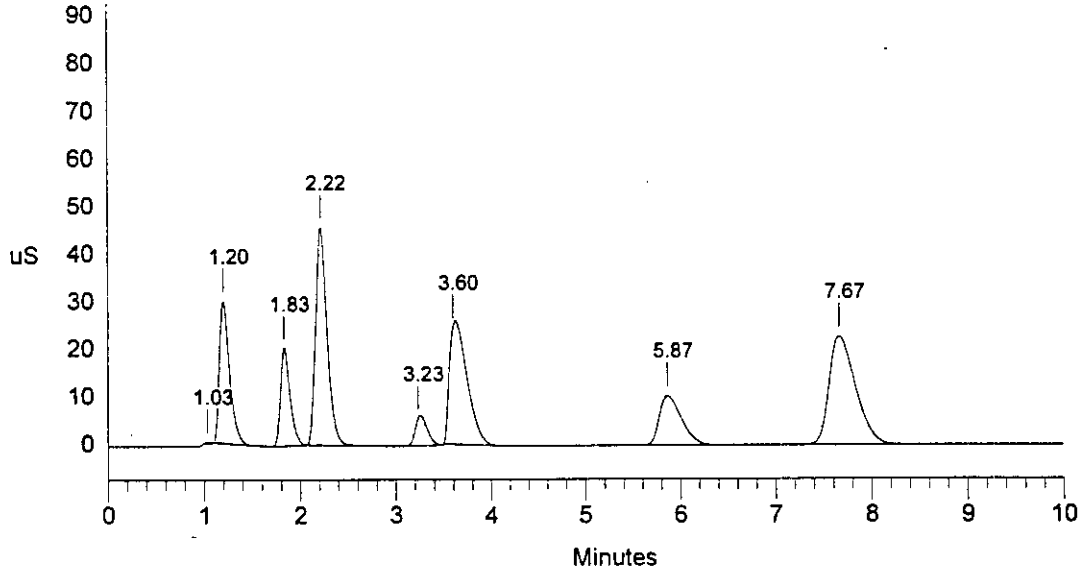
```
==============================================================================
| Sample Name: A960123V3/HI  - A37            Date: 02/13/1996 15:07:28      |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D22                         |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 22  Vial:A37        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	95872	272474	1	
2	1.20	FLUORIDE	25.109	29750222	220670492	1	2.58
3	1.83	CHLORIDE	25.193	20272724	139915484	1	0.00
4	2.22	NITRITE	100.323	45546368	377672451	1	-1.59
5	3.23	BROMIDE	25.515	5562196	53736596	1	-3.55
6	3.60	NITRATE	100.391	24368242	332916683	1	0.00
7	5.87	PHOSPHATE	101.654	10269233	166853187	1	-0.36
8	7.67	SULFATE	100.957	22665346	433799042	1	0.00
		Totals	479.143	158530203	1725836408		

File: 96021311.D22 Sample: A960123V3/HI - A37



Data Reprocessed On 02/14/1996 15:58:01

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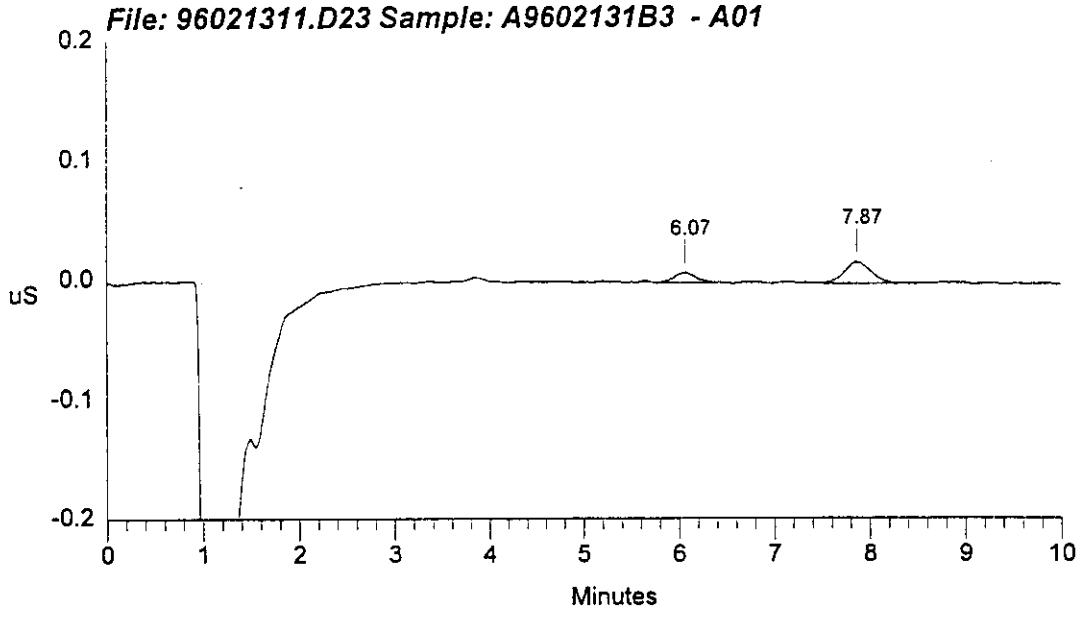
==============================================================================
| Sample Name: A9602131B3  - A01                Date: 02/13/1996 15:20:34     |
| Data File  : C:\DX\DATA\9602131\96021311.D23                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 23  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	6.07	PHOSPHATE	0.205	8221	137703	1	4.00
2	7.87	SULFATE	0.232	18070	354270	1	0.00
		Totals	0.437	26291	491974		



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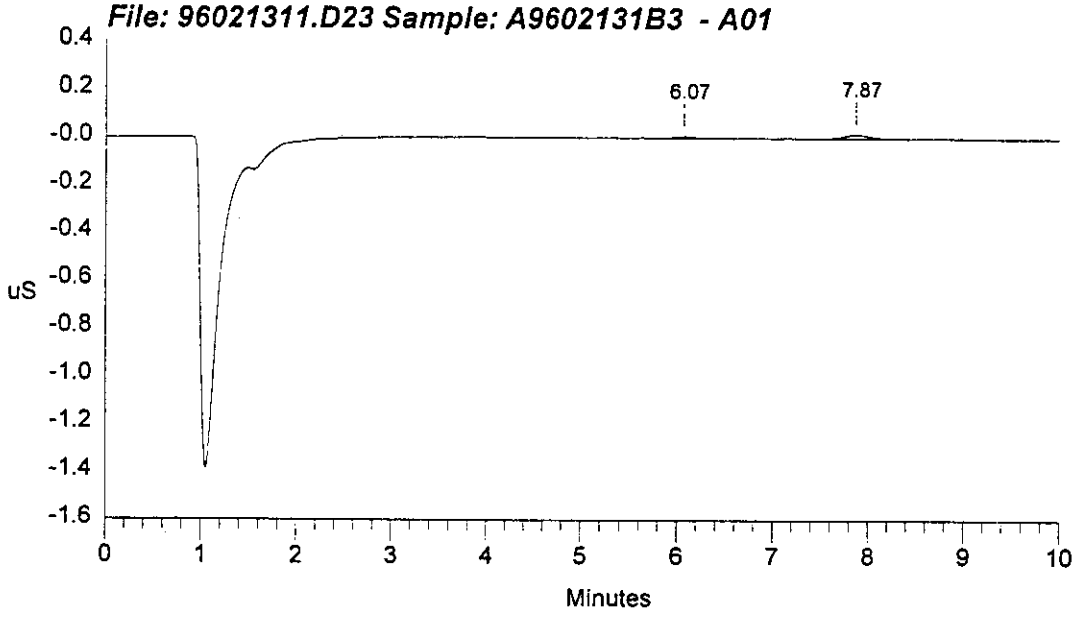
==============================================================================
| Sample Name: A9602131B3  - A01                Date: 02/13/1996 15:20:34     |
| Data File  : 1:\iag\ic\icdata\9602131\96021311.D23                          |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 23  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	6.07	PHOSPHATE	0.207	8376	145262	1	4.00
2	7.87	SULFATE	0.232	18023	352537	1	0.00
		Totals	0.439	26399	497799		



AI-450 AS3500 Editor - 02091SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
1	A01	100	1	ELUANT BLANK	1anions1	96020911	1	1	
2	A04	10	1	A960123V1/LO acc	1anions1	96020911	2	1	
3	A04	30	1	A960123V2/MID acc	1anions1	96020911	2	1	
4	A04	50	1	A960123V3/HI acc	1anions1	96020911	2	1	
5	A01	100	1	A9602091B1 acc	1anions1	96020911	1	1	
6	A13	10	1	96-2968/314 EAST WAT	1anions1	96020911	10	1	
7	A16	100	1	96-2969/PIT WATER A	1anions1	96020911	20	1	
8	A17	100	1	MS96-2969/PIT WATER	1anions1	96020911	20	1	
9	A18	100	1	MSD96-2969/PIT WATER	1anions1	96020911	20	1	
10	A07	50	1	96-2619/FLD-BLK.F	1anions1	96020911	1	1	
11	A15	3	1	96-2620/HYD-FLUID.D	1anions1	96020911	100	1	
12	A14	50	1	DUP96-2619/FLD-BLK.F	1anions1	96020911	1	1	
13	A14	100	1	DUP96-2619/FLD-BLK.F	1anions1	96020911	1	1	
14	A19	10	1	96-2848/118.1ADL.D	1anions1	96020911	10	1	
15	A20	10	1	96-2850/118.3DL.D	1anions1	96020911	10	1	
16	A04	10	1	A960123V1/LO acc	1anions1	96020911	2	1	
17	A04	30	1	A960123V2/MID acc	1anions1	96020911	2	1	
18	A04	50	1	A960123V3/HI acc	1anions1	96020911	2	1	
19	A01	100	1	A9602091B2 rerun acc	1anions1	96020911	1	1	
20	A21	100	1	96-2848 BLK 2/13 + rpt'd	1anions1	96020911	1	1	
21	A19	100	1	96-2848/118.1ADL.D	1anions1	96020911	10	1	
22	A19	100	1	96-2848/118.1ADL.D	1anions1	96020911	10	1	
23	A20	100	1	96-2850/118.3DL.D	1anions1	96020911	10	1	
24	A38	10	1	A960123V1/LO	1anions1	96020911	2	1	
25	A38	30	1	A960123V2/MID QC	1anions1	96020911	2	1	
26	A38	50	1	A960123V3/HI unacceptable	1anions1	96020911	2	1	
27	A01	100	1	A9602091B3 Except	1anions1	96020911	1	1	
28	A38	30	1	A960123V2/MID Br	1anions1	96020911	2	1	
29	A04	30	1	A960123V2/MID Mid Br	1anions1	96020911	2	1	
30	A38	50	1	A960123V3/HI std.	1anions1	96020911	2	1	
31	A04	50	1	A960123V3/HI accept.	1anions1	96020911	2	1	
32	A01	100	1	ELUANT BLANK	1anions1	96020911	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	A01	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
2	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
3	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
5	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A13	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
7	A16	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A18	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
10	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
11	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
13	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
16	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
18	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
19	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
20	A21	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
21	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
22	A19	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
23	A20	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
24	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
25	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
26	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
27	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
28	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
29	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
30	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
31	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
32	A01	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0

Comment:

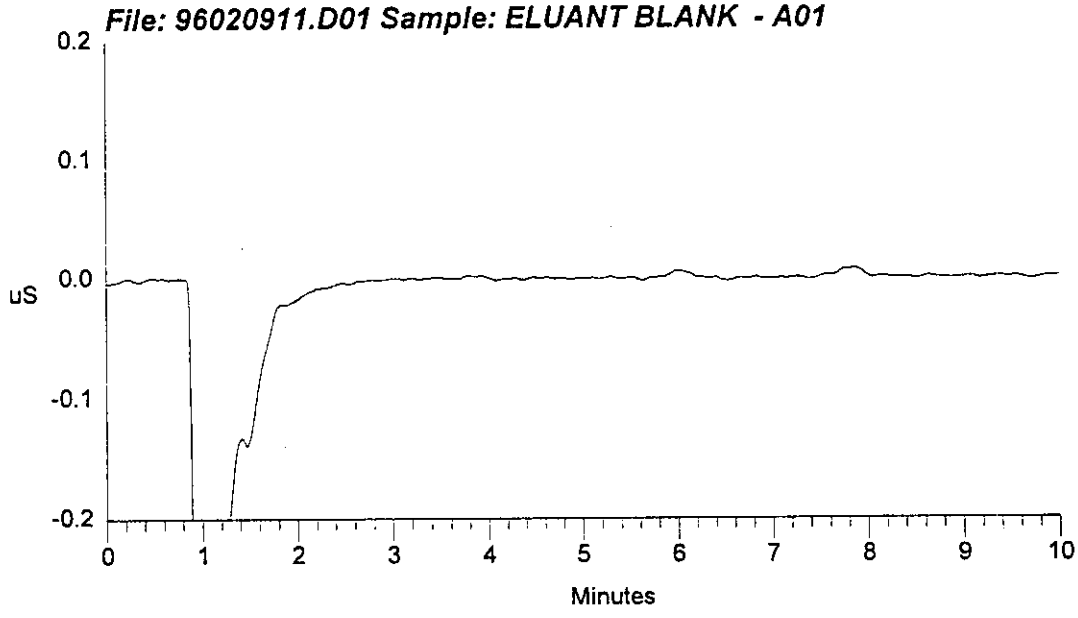
Data Reprocessed On 02/11/1996 15:09:32

Sample Name: ELUANT BLANK - A01	Date: 02/09/1996 10:34:24
Data File : C:\DX\DATA\9602091\96020911.D01	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 1 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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
		Totals	0.000	0	0		

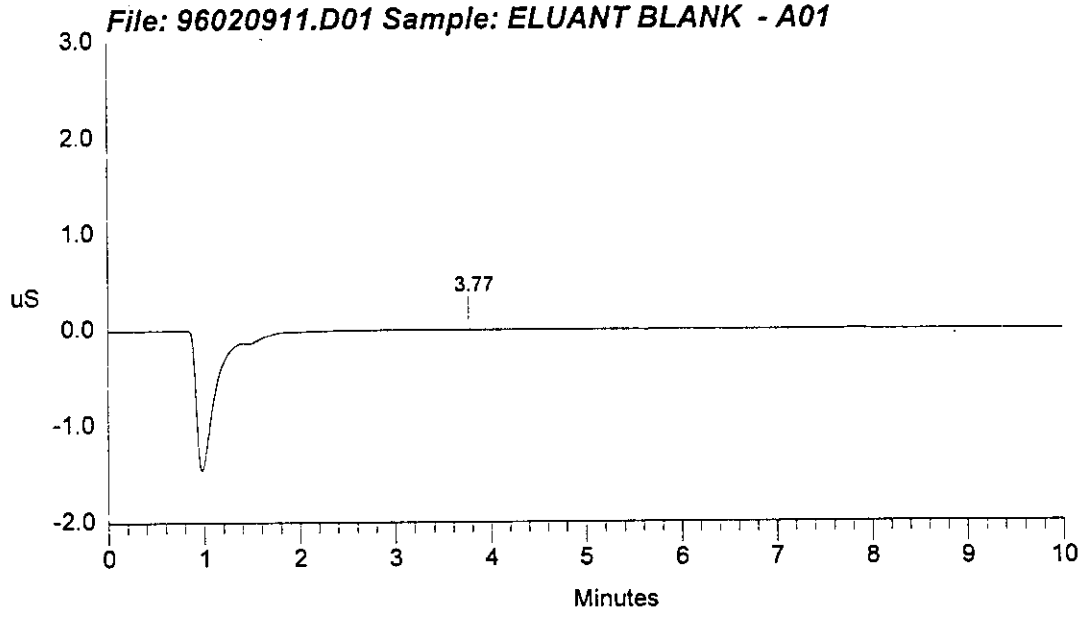


```
==============================================================================
| Sample Name: ELUANT BLANK  - A01            Date: 02/09/1996 10:34:24      |
| Data File  : c:\DX\DATA\9602091\96020911.D01                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 1   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.77	NITRATE	0.247	2595	45156	1	0.00
		Totals	0.247	2595	45156		



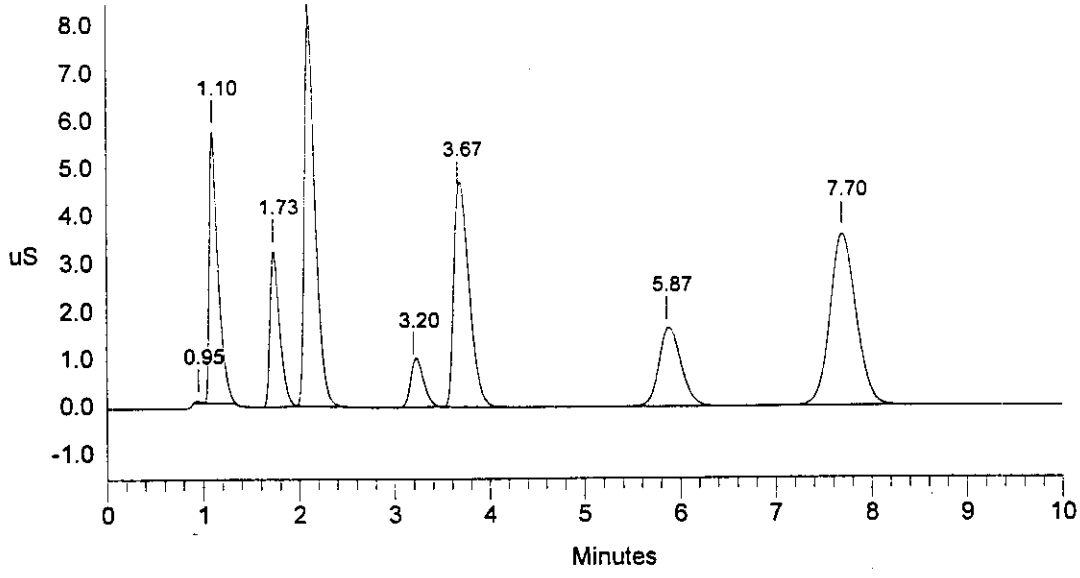
```
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/09/1996 10:49:28      |
| Data File  : c:\DX\DATA\9602091\96020911.D02                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 2   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	5Hz	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	43608	203629	2	
2	1.10	FLUORIDE	23.583	5699485	36002590	2	-0.55
3	1.73	CHLORIDE	24.255	3251409	22771392	1	0.00
4	2.10	NITRITE	94.827	7940357	63972571	1	-1.39
5	3.20	BROMIDE	24.204	893683	9553540	1	0.96
6	3.67	NITRATE	96.178	4476933	53112058	1	0.00
7	5.87	PHOSPHATE	97.179	1631971	26852161	1	-2.17
8	7.70	SULFATE	95.706	3606095	68709561	1	0.00
		Totals	455.933	27543542	281177501		

File: 96020911.D02 Sample: A960123V1/LO - A04



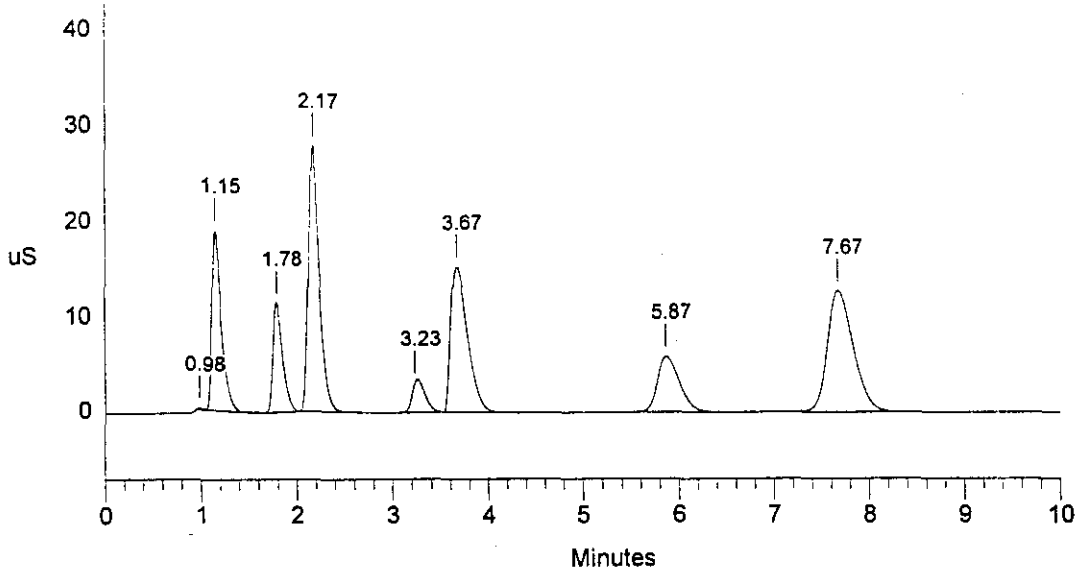
```
==============================================================================
| Sample Name: A960123V2/MID  - A04            Date: 02/09/1996 11:00:57      |
| Data File  : c:\DX\DATA\9602091\96020911.D03                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 3   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO             Column: AG4A/AS4A-SC  (10196/12484)           |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	82304	253510	1	
2	1.15	FLUORIDE	25.610	18892709	128727878	1	1.06
3	1.78	CHLORIDE	25.773	11418756	79753138	1	0.00
4	2.17	NITRITE	101.881	27795843	221499024	1	-1.11
5	3.23	BROMIDE	25.615	3037370	31609859	1	-0.85
6	3.67	NITRATE	102.005	15188522	186912320	1	0.00
7	5.87	PHOSPHATE	102.846	5822042	93364455	1	-2.17
8	7.67	SULFATE	102.120	12702806	242219424	1	0.00
		Totals	485.850	94940353	984339608		

File: 96020911.D03 Sample: A960123V2/MID - A04



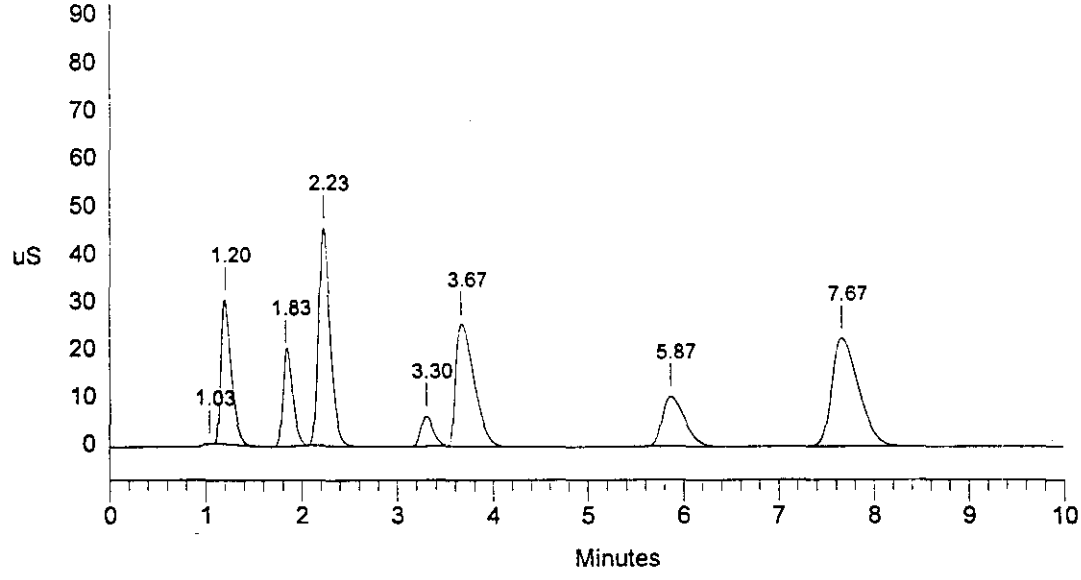
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/09/1996 11:12:37      |
| Data File  : c:\DX\DATA\9602091\96020911.D04                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 4   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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		0.000	112214	330368	1	
2	1.20	FLUORIDE	25.626	30288569	225766993	1	2.58
3	1.83	CHLORIDE	25.933	19697679	144911525	1	0.00
4	2.23	NITRITE	101.534	45520501	382668575	1	-0.85
5	3.30	BROMIDE	25.638	6254621	54009853	1	-1.56
6	3.67	NITRATE	103.032	25649527	343784942	1	0.00
7	5.87	PHOSPHATE	103.474	10352837	170544962	1	-2.17
8	7.67	SULFATE	102.701	22769508	443096697	1	0.00
		Totals	487.937	160645456	1765113914		

File: 96020911.D04 Sample: A960123V3/HI - A04



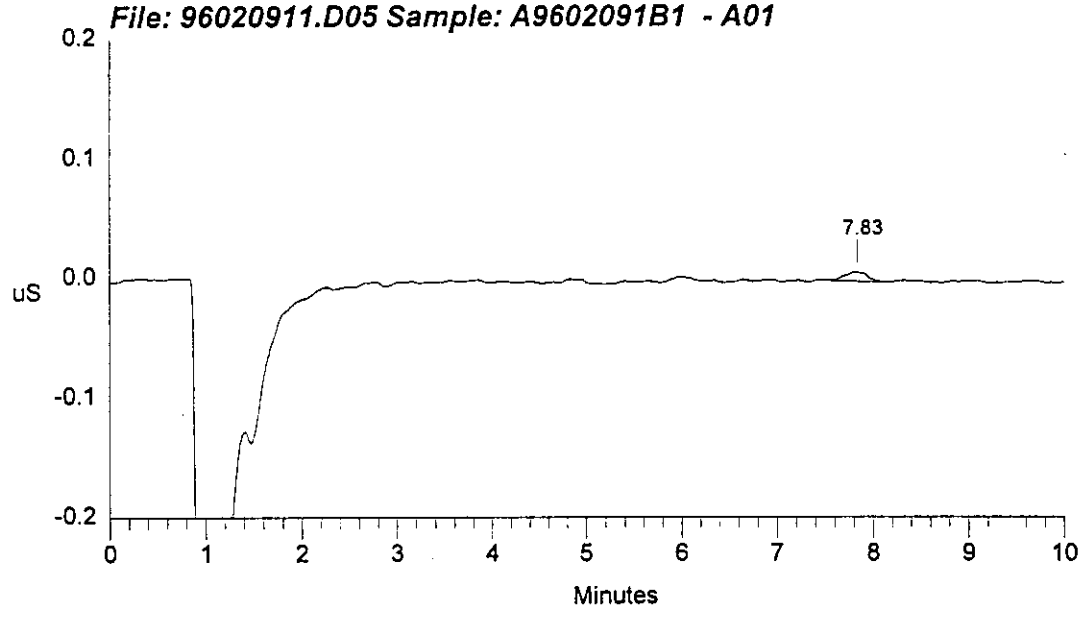
Data Reprocessed On 02/11/1996 15:10:32

Sample Name: A9602091B1 - A01	Date: 02/09/1996 11:24:44
Data File : C:\DX\DATA\9602091\96020911.D05	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 5 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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	7.83	SULFATE	0.217	7753	128210	1	0.00
		Totals	0.217	7753	128210		



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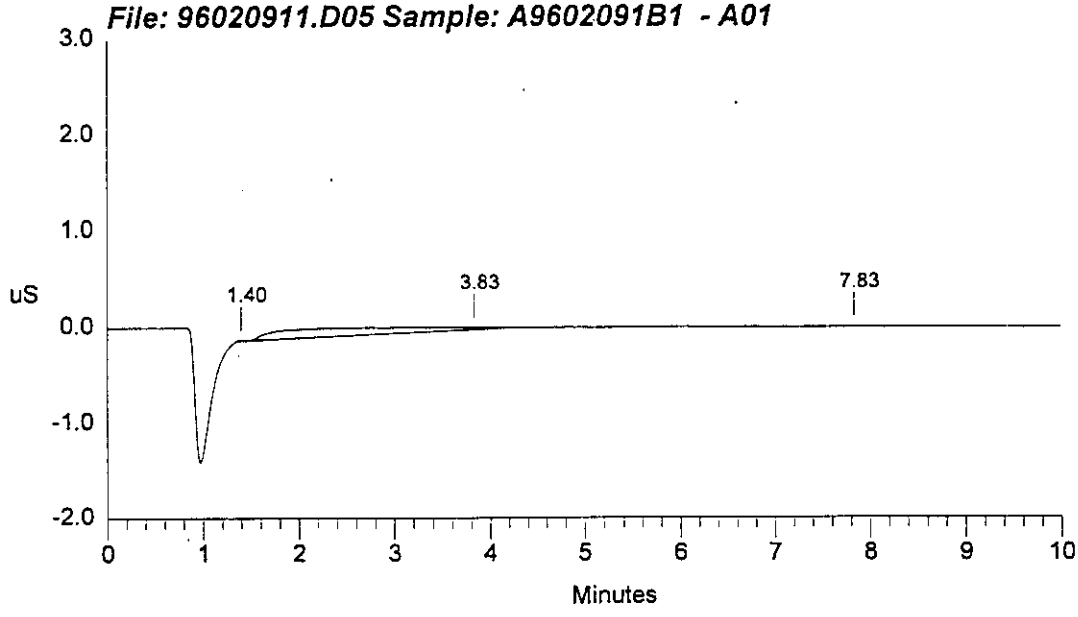
==============================================================================
| Sample Name: A9602091B1  - A01              Date: 02/09/1996 11:24:44      |
| Data File  : c:\DX\DATA\9602091\96020911.D05                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.40		0.000	9158	36946	1	
2	3.83	NITRATE	1.055	24260	9259366	1	0.00
3	7.83	SULFATE	0.217	7753	128210	1	0.00
		Totals	1.272	41172	9424523		



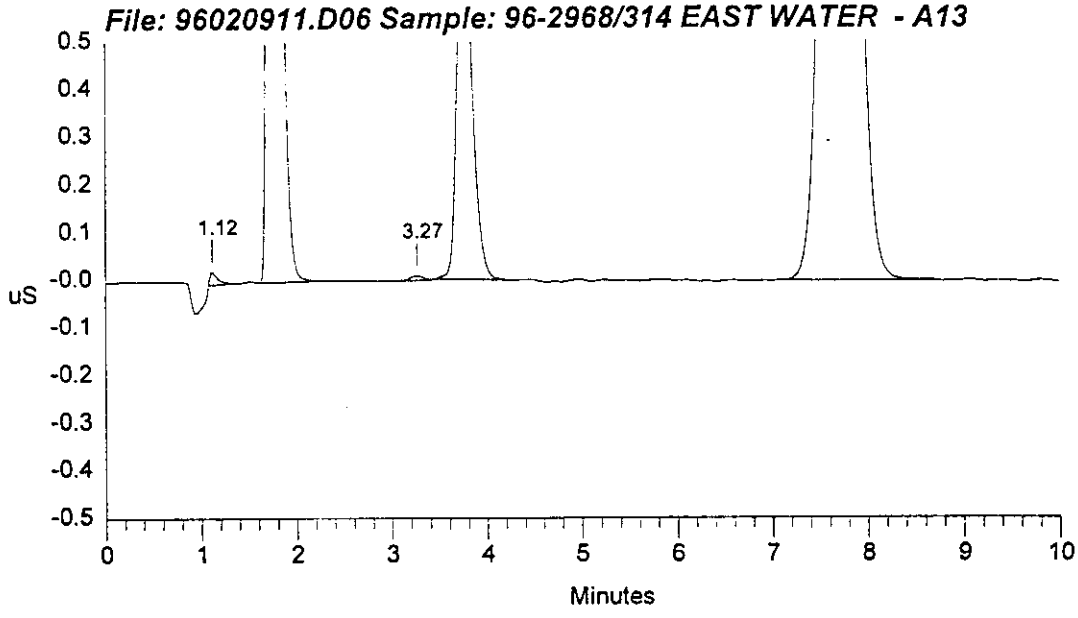
Data Reprocessed On 02/11/1996 15:12:13

Sample Name:	96-2968/314 EAST WATER - A13 Date: 02/09/1996 11:36:06
Data File :	C:\DX\DATA\9602091\96020911.D06
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 6 Vial:A13 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	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	FLUORIDE	9.486	27412	164255	1	0.00
2	1.75	CHLORIDE	165.701	4510946	31824163	1	0.00
3	3.27	BROMIDE	4.947	10273	92711	1	2.08
4	3.73	NITRATE	100.904	736443	8731006	1	0.00
5	7.70	SULFATE	546.207	4171263	79171624	1	0.00
		Totals	827.245	9456337	119983759		



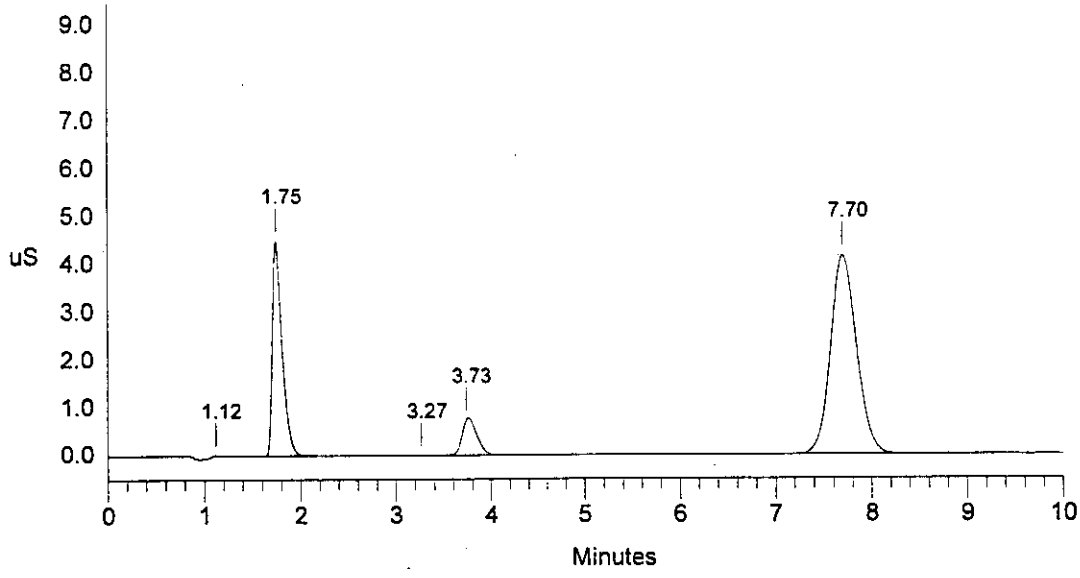
```
==============================================================================
| Sample Name: 96-2968/314 EAST WATER  - A13  Date: 02/09/1996 11:36:06      |
| Data File  : c:\DX\DATA\9602091\96020911.D06                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A13        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	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	FLUORIDE	9.486	27412	164255	1	0.00
2	1.75	CHLORIDE	165.697	4510933	31823486	1	0.00
3	3.27	BROMIDE	4.947	10273	92711	1	2.08
4	3.73	NITRATE	100.904	736443	8731006	1	0.00
5	7.70	SULFATE	546.207	4171263	79171624	1	0.00
		Totals	827.241	9456324	119983082		

File: 96020911.D06 Sample: 96-2968/314 EAST WATER - A13



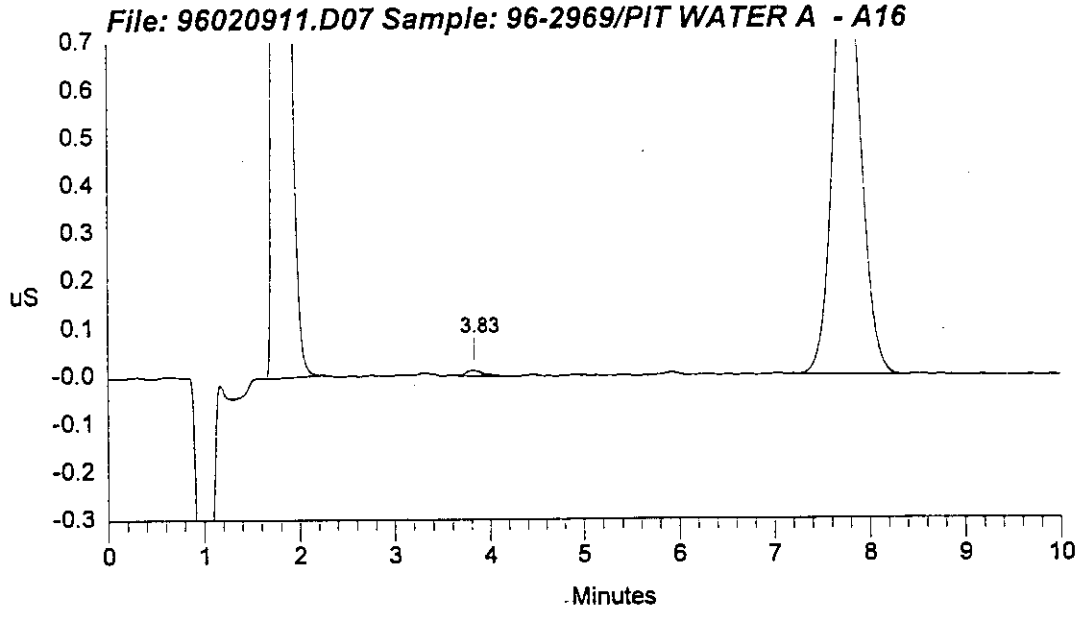
Data Reprocessed On 02/11/1996 15:13:37

Sample Name:	96-2969/PIT WATER A - A16 Date: 02/09/1996 11:48:12
Data File :	C:\DX\DATA\9602091\96020911.D07
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 7 Vial:A16 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

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	1.78	CHLORIDE	63.275	8967293	63939162	1	0.00
2	3.83	NITRATE	5.113	11225	146567	1	0.00
3	7.77	SULFATE	30.006	986470	19052885	1	0.00
		Totals	98.395	9964988	83138614		

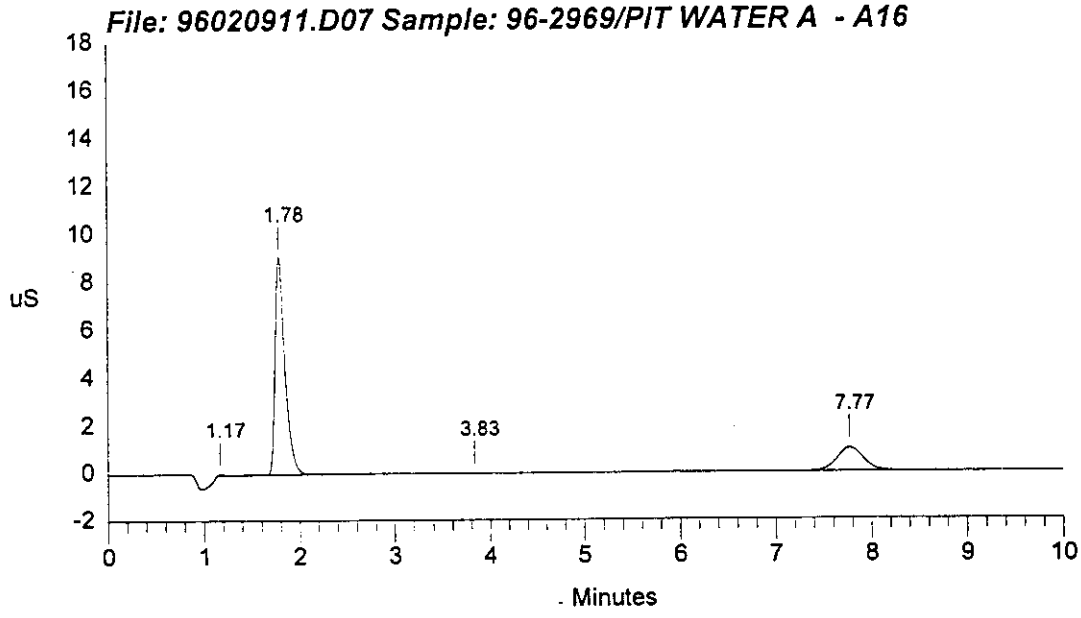


```
==============================================================================
| Sample Name: 96-2969/PIT WATER A  - A16     Date: 02/09/1996 11:48:12      |
| Data File  : c:\DX\DATA\9602091\96020911.D07                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 7   Vial:A16        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.17	FLUORIDE	1.856	28402	97803	1	2.52
2	1.78	CHLORIDE	64.332	8992450	65109698	1	0.00
3	3.83	NITRATE	5.113	11225	146567	1	0.00
4	7.77	SULFATE	30.006	986470	19052885	1	0.00
		Totals	101.309	10018547	84406954		



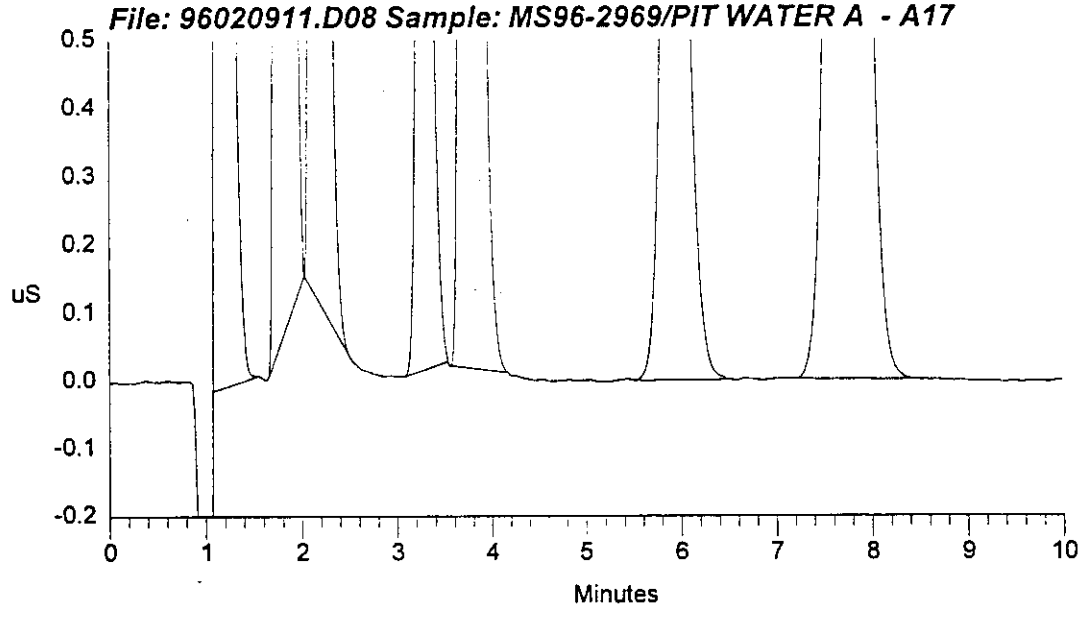
Data Reprocessed On 02/11/1996 15:14:59

Sample Name:	MS96-2969/PIT WATER A - A17 Date: 02/09/1996 12:00:18
Data File :	C:\DX\DATA\9602091\96020911.D08
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 8 Vial:A17 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

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	1.15	FLUORIDE	40.441	9808651	64591612	1	1.06
2	1.78	CHLORIDE	104.947	15985639	112758472	1	0.00
3	2.15	NITRITE	96.234	8095319	64991631	1	-1.87
4	3.27	BROMIDE	39.988	1641307	16076433	1	0.18
5	3.73	NITRATE	102.254	4921852	56742742	1	0.00
6	5.90	PHOSPHATE	97.084	1595560	26824352	1	-3.37
7	7.73	SULFATE	125.688	4849239	91996841	1	0.00
		Totals	606.634	46897568	433982082		



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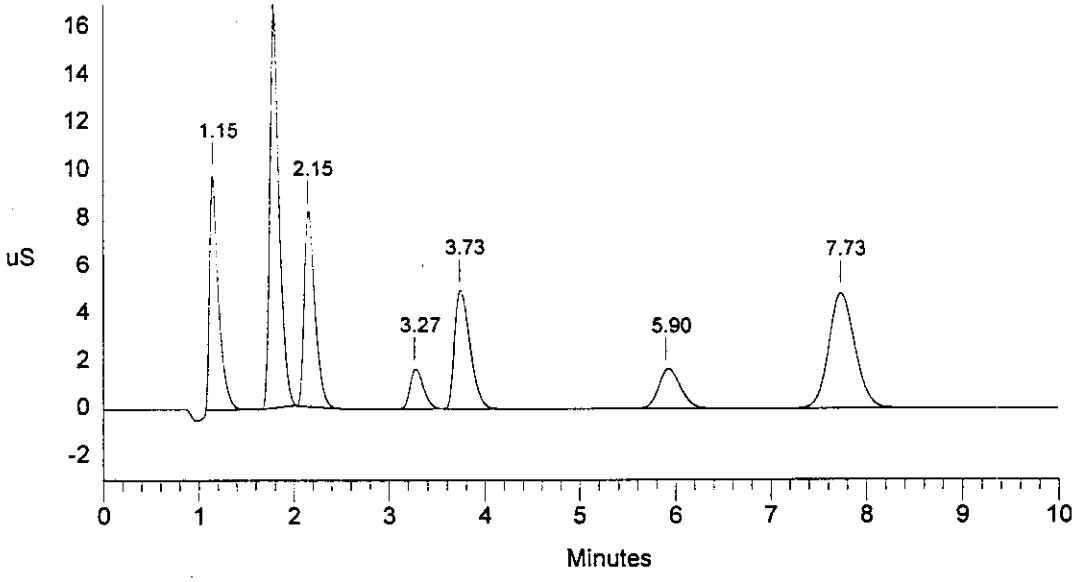
==============================================================================
| Sample Name: MS96-2969/PIT WATER A  - A17   Date: 02/09/1996 12:00:18      |
| Data File  : c:\DX\DATA\9602091\96020911.D08                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A17        Detector:PED-Cond. |
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.15	FLUORIDE	40.509	9809771	64708219	1	1.06
2	1.78	CHLORIDE	104.672	15974673	112416271	1	0.00
3	2.15	NITRITE	96.234	8095319	64991631	1	-1.87
4	3.27	BROMIDE	39.988	1641307	16076433	1	0.18
5	3.73	NITRATE	102.432	4923218	56849406	1	0.00
6	5.90	PHOSPHATE	97.166	1595842	26848318	1	-3.37
7	7.73	SULFATE	125.719	4849502	92021632	1	0.00
		Totals	606.719	46889632	433911910		

File: 96020911.D08 Sample: MS96-2969/PIT WATER A - A17



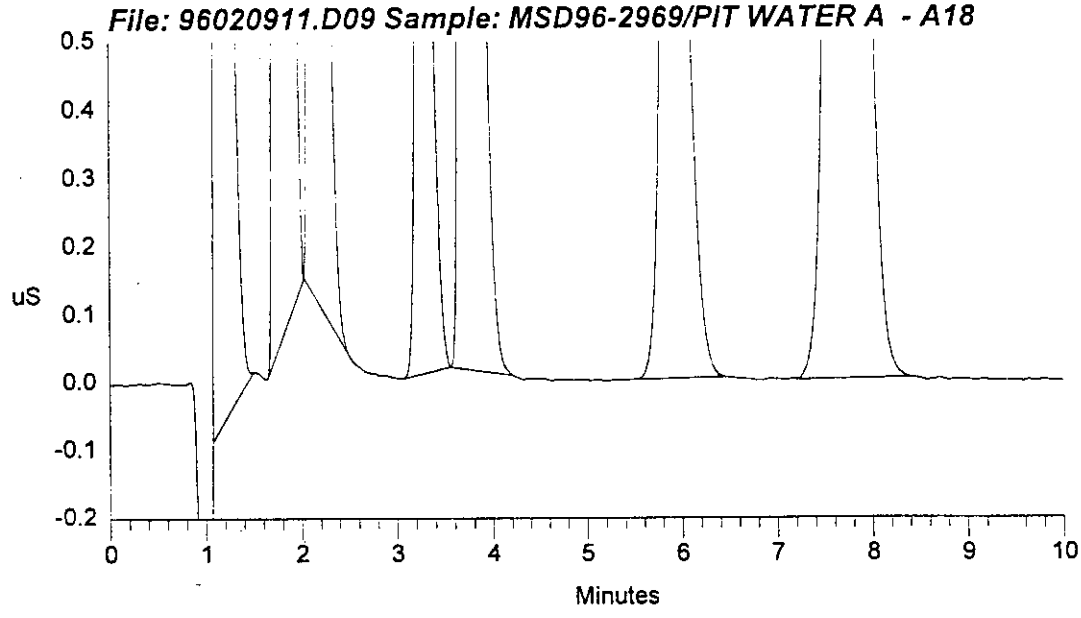
Data Reprocessed On 02/11/1996 15:16:50

Sample Name:	MSD96-2969/PIT WATER A - A18 Date: 02/09/1996 12:12:24
Data File :	C:\DX\DATA\9602091\96020911.D09
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 9 Vial:A18 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

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	1.13	FLUORIDE	40.786	9066257	65185135	1	-0.40
2	1.78	CHLORIDE	104.796	16131845	112570984	1	0.00
3	2.15	NITRITE	95.973	8082515	64802770	1	-1.87
4	3.27	BROMIDE	40.289	1621362	16201677	1	0.18
5	3.73	NITRATE	102.262	4869506	56747733	1	0.00
6	5.90	PHOSPHATE	97.077	1614942	26822124	1	-3.37
7	7.73	SULFATE	125.319	4834573	91707646	1	0.00
		Totals	606.502	46221001	434038070		



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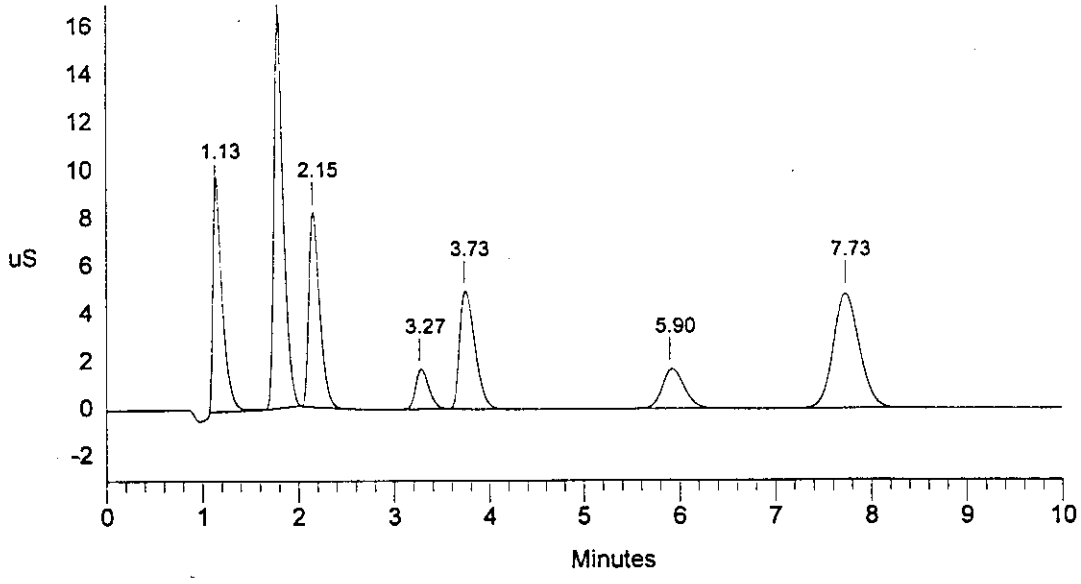
==============================================================================
| Sample Name: MSD96-2969/PIT WATER A  - A18  Date: 02/09/1996 12:12:24      |
| Data File  : c:\DX\DATA\9602091\96020911.D09                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 9   Vial:A18        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.13	FLUORIDE	41.110	9070776	65741370	1	-0.40
2	1.78	CHLORIDE	104.504	16120218	112206806	1	0.00
3	2.15	NITRITE	95.973	8082515	64802770	1	-1.87
4	3.27	BROMIDE	39.946	1617210	16059090	1	0.18
5	3.73	NITRATE	102.402	4870471	56831414	1	0.00
6	5.90	PHOSPHATE	97.882	1617784	27059274	1	-3.37
7	7.73	SULFATE	125.520	4836203	91865797	1	0.00
		Totals	607.337	46215177	434566521		

File: 96020911.D09 Sample: MSD96-2969/PIT WATER A - A18



Data Reprocessed On 02/11/1996 15:20:03

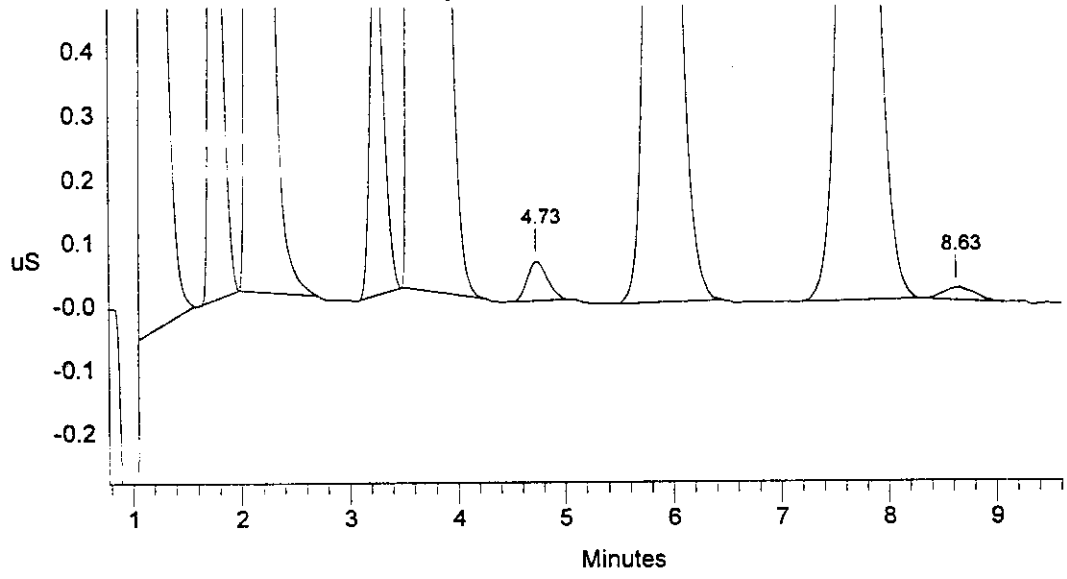
Sample Name: 96-2619/FLD-BLK.F - A07	Date: 02/09/1996 12:24:07
Data File : C:\DX\DATA\9602091\96020911.D10	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 10 Vial:A07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	1	3000	5Hz	0.78	9.61	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12	FLUORIDE	5.691	14207246	93181480	1	0.00
2	1.75	CHLORIDE	1.033	1229948	8921782	1	0.00
3	2.13	NITRITE	13.172	11467995	90843072	1	-0.78
4	3.23	BROMIDE	1.305	504446	4987311	1	1.04
5	3.63	NITRATE	31.355	14868674	192085243	1	0.00
6	4.73		0.000	61906	814922	1	
7	5.90	PHOSPHATE	12.052	2105451	33769756	1	-0.71
8	7.73	SULFATE	5.244	1867951	35802100	1	0.00
9	8.63		0.000	19086	391005	1	
		Totals	69.850	46332702	460796673		

File: 96020911.D10 Sample: 96-2619/FLD-BLK.F - A07



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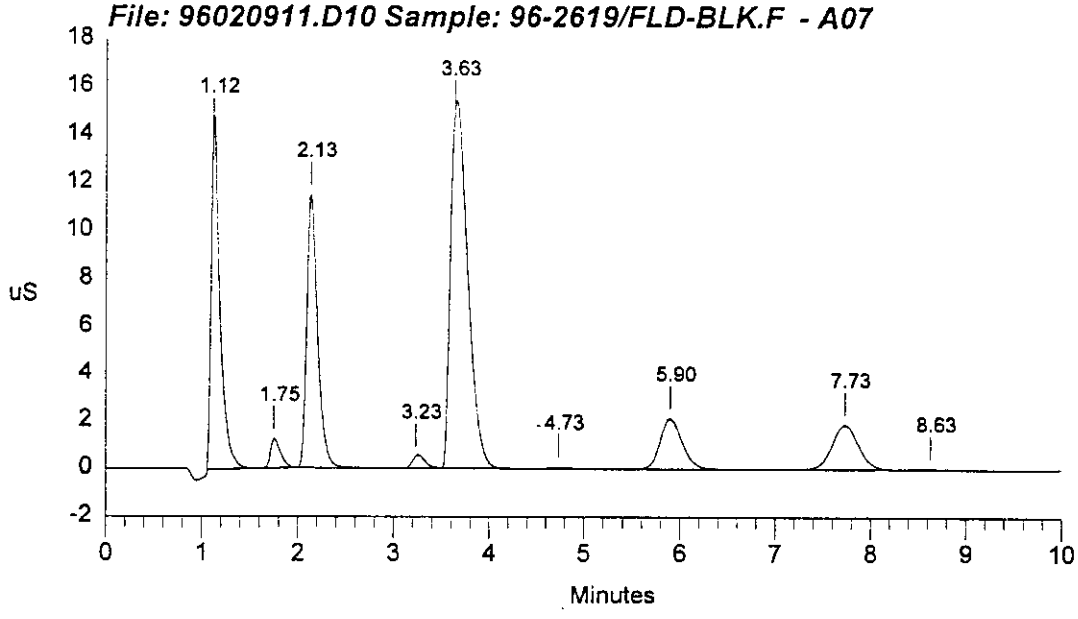
==============================================================================
| Sample Name: 96-2619/FLD-BLK.F  - A07        Date: 02/09/1996 12:24:07      |
| Data File   : c:\DX\DATA\9602091\96020911.D10                               |
| Method      : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 10  Vial:A07          Detector:PED-Cond.|
| Analyst     : MMO              Column: AG4A/AS4A-SC  (10196/12484)          |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	1	3000	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	FLUORIDE	5.691	14207246	93181480	1	0.00
2	1.75	CHLORIDE	1.033	1229948	8921782	1	0.00
3	2.13	NITRITE	13.132	11458803	90546624	1	-0.78
4	3.23	BROMIDE	1.295	503160	4947564	1	1.04
5	3.63	NITRATE	31.340	14864029	191984129	1	0.00
6	4.73		0.000	65326	986656	1	
7	5.90	PHOSPHATE	12.104	2107441	33926145	1	-0.71
8	7.73	SULFATE	5.244	1867951	35802100	1	0.00
9	8.63		0.000	19086	391005	1	
		Totals	69.838	46322988	460687485		



Data Reprocessed On 02/11/1996 15:27:50

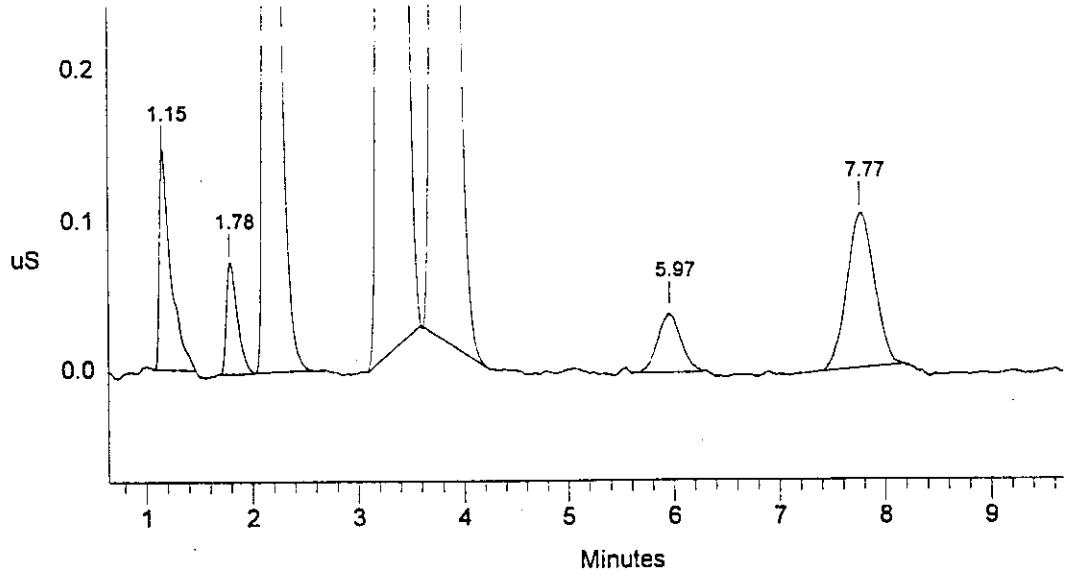
Sample Name: 96-2620/HYD-FLUID.D - A15	Date: 02/09/1996 12:35:23
Data File : C:\DX\DATA\9602091\96020911.D11	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 11 Vial:A15	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	100	3000	5Hz	0.64	9.69	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.15	FLUORIDE	411.613	140867	1097280	1	0.76
2	1.78	CHLORIDE	284.713	72453	539976	1	0.00
3	2.17	NITRITE	2888.272	1047579	8417296	1	-1.11
4	3.27	BROMIDE	20053.517	4710905	50515379	1	0.18
5	3.80	NITRATE	6550.486	1804206	19724681	1	0.00
6	5.97	PHOSPHATE	960.682	39260	602216	1	-0.06
7	7.77	SULFATE	1126.439	102587	1904925	1	0.00
		Totals	32275.721	7917859	82801754		

File: 96020911.D11 Sample: 96-2620/HYD-FLUID.D - A15



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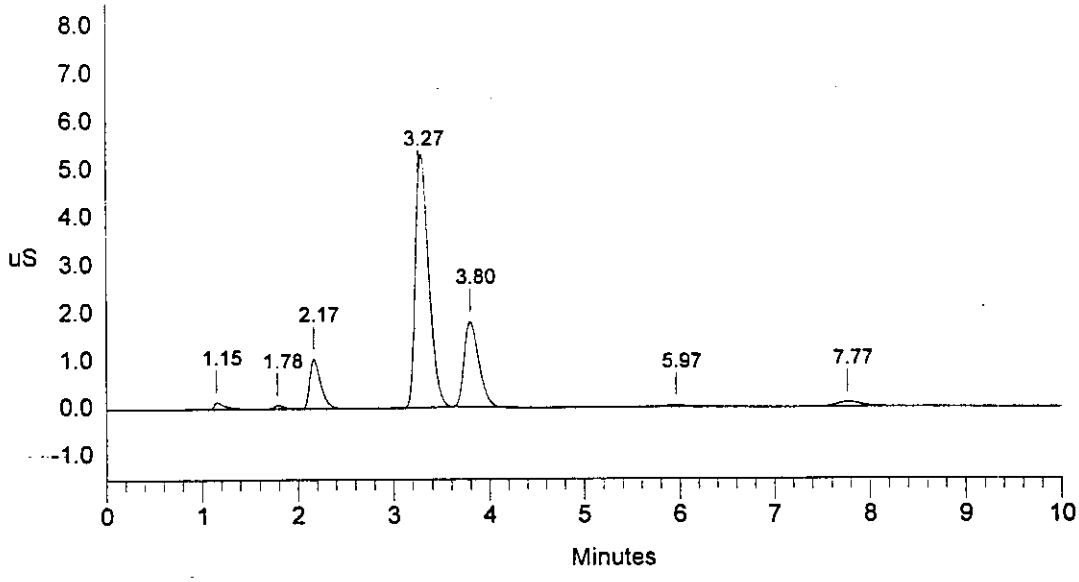
==============================================================================
| Sample Name: 96-2620/HYD-FLUID.D  - A15     Date: 02/09/1996 12:35:23      |
| Data File  : c:\DX\DATA\9602091\96020911.D11                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 11  Vial:A15        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	3	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	1.15	FLUORIDE	411.613	140867	1097280	1	1.06
2	1.78	CHLORIDE	284.713	72453	539976	1	0.00
3	2.17	NITRITE	2890.487	1047717	8426724	1	-1.11
4	3.27	BROMIDE	20053.517	4710905	50515379	1	0.18
5	3.80		0.000	1796050	19306727	1	
6	5.97		0.000	40493	662579	1	
7	7.77	SULFATE	1176.203	106140	2123834	1	0.00
		Totals	24816.533	7914626	82672501		

File: 96020911.D11 Sample: 96-2620/HYD-FLUID.D - A15



Data Reprocessed On 02/11/1996 15:30:33

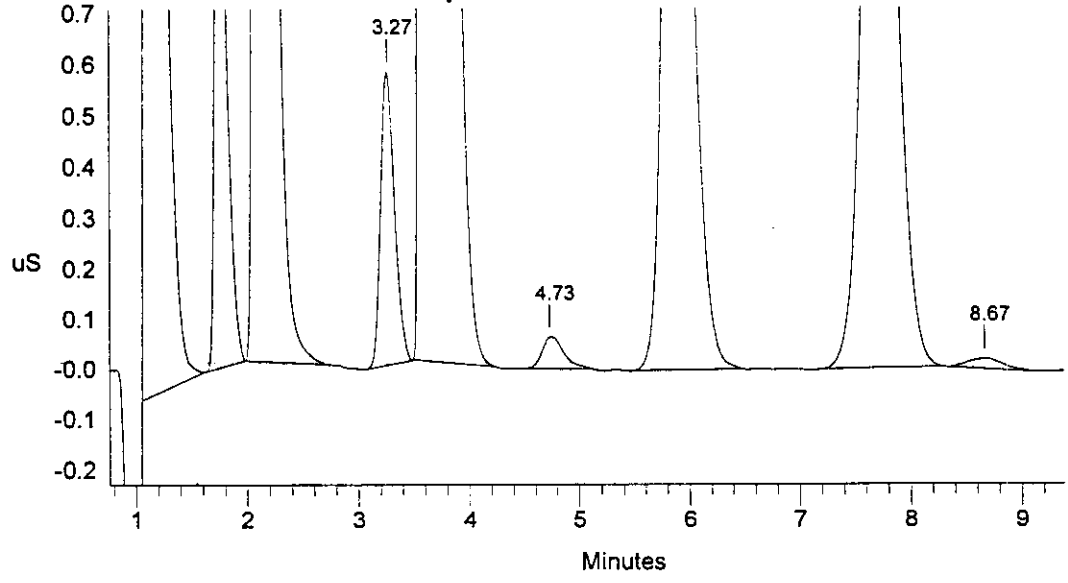
Sample Name: DUP96-2619/FLD-BLK.F - A14	Date: 02/09/1996 12:47:03
Data File : C:\DX\DATA\9602091\96020911.D12	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 12 Vial:A14	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	1	3000	5Hz	0.76	9.38	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12	FLUORIDE	5.702	14228430	93389827	1	0.00
2	1.75	CHLORIDE	1.062	1260789	9202061	1	0.00
3	2.13	NITRITE	13.180	11452120	90902986	1	-0.78
4	3.27	BROMIDE	1.331	575789	5096396	1	2.08
5	3.63	NITRATE	31.451	14602057	192751436	1	0.00
6	4.73		0.000	62407	885541	1	
7	5.87	PHOSPHATE	12.110	2029455	33944243	1	-1.27
8	7.70	SULFATE	5.254	1818869	35877256	1	0.00
9	8.67		0.000	20440	441928	1	
		Totals	70.091	46050357	462491675		

File: 96020911.D12 Sample: DUP96-2619/FLD-BLK.F - A14



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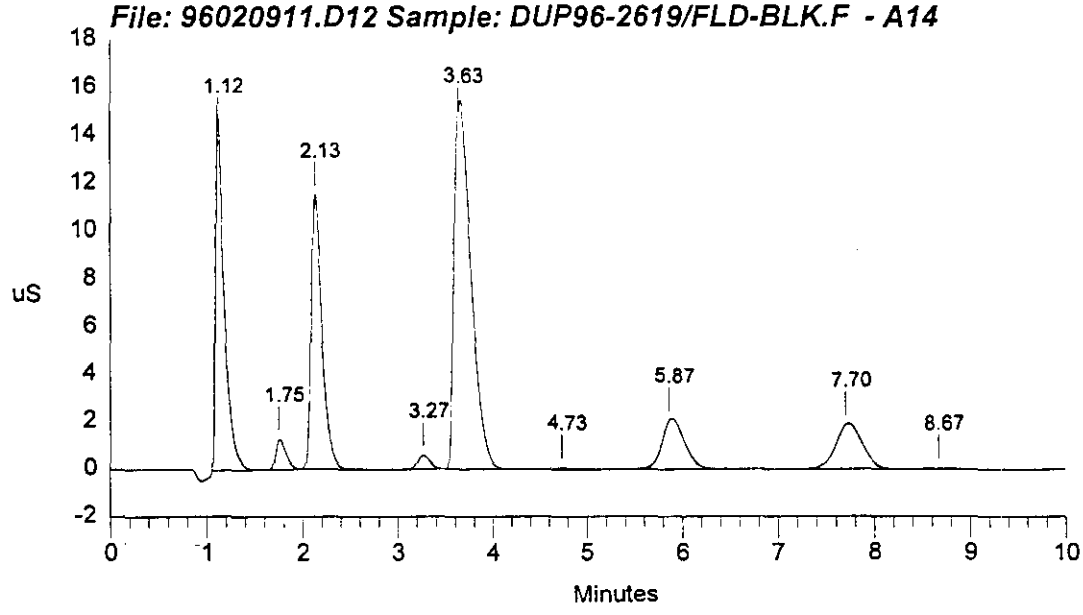
==========================================================================
| Sample Name: DUP96-2619/FLD-BLK.F  - A14    Date: 02/09/1996 12:47:03     |
| Data File  : c:\DX\DATA\9602091\96020911.D12                             |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 12  Vial:A14        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	1	3000	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	FLUORIDE	5.702	14228430	93389827	1	0.00
2	1.75	CHLORIDE	1.062	1260789	9202061	1	0.00
3	2.13	NITRITE	13.164	11445716	90780066	1	-0.78
4	3.27	BROMIDE	1.312	572587	5016678	1	2.08
5	3.63	NITRATE	31.452	14602141	192756421	1	0.00
6	4.73		0.000	64260	968823	1	
7	5.87	PHOSPHATE	12.138	2030721	34026735	1	-1.27
8	7.70	SULFATE	5.269	1820532	35990908	1	0.00
9	8.67		0.000	20440	441928	1	
		Totals	70.098	46045615	462573447		



WNC-SD-

Data Reprocessed On 02/11/1996 15:32:25

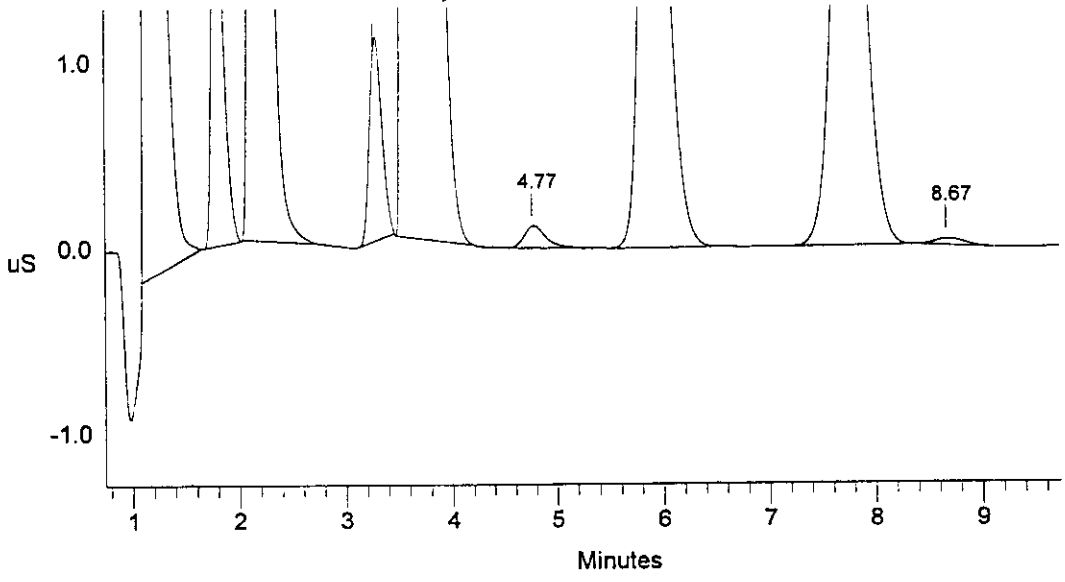
Sample Name: DUP96-2619/FLD-BLK.F - A14	Date: 02/09/1996 12:59:10
Data File : C:\DX\DATA\9602091\96020911.D13	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 13 Vial:A14	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.75	9.72	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	5.335	28750071	184185380	1	2.52
2	1.78	CHLORIDE	0.948	2315708	17448639	1	0.00
3	2.17	NITRITE	12.394	21167748	177341836	1	-1.11
4	3.27	BROMIDE	1.148	996710	9041557	1	0.18
5	3.63	NITRATE	28.347	28474991	388012423	1	0.00
6	4.77		0.000	117405	1752703	1	
7	5.90	PHOSPHATE	11.088	4046562	64939883	1	-0.71
8	7.73	SULFATE	4.693	3461289	67292691	1	0.00
9	8.67		0.000	33312	699031	1	
		Totals	63.953	89363797	910714143		

File: 96020911.D13 Sample: DUP96-2619/FLD-BLK.F - A14



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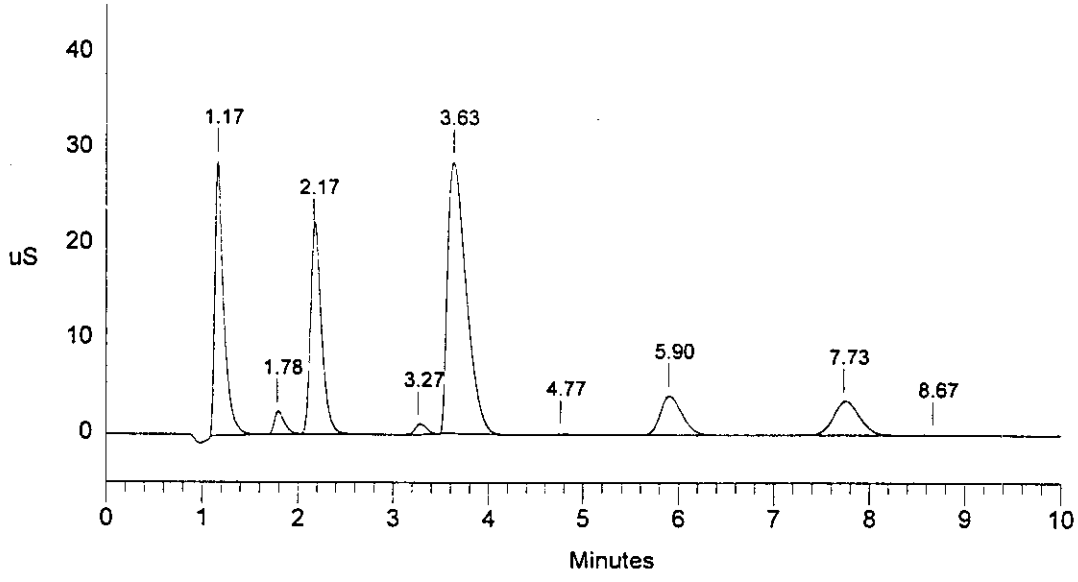
==============================================================================
| Sample Name: DUP96-2619/FLD-BLK.F  - A14    Date: 02/09/1996 12:59:10      |
| Data File  : c:\DX\DATA\9602091\96020911.D13                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 13  Vial:A14        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	FLUORIDE	5.335	28750071	184185380	1	2.52
2	1.78	CHLORIDE	0.948	2315708	17448639	1	0.00
3	2.17	NITRITE	12.410	21169343	177591330	1	-1.11
4	3.27	BROMIDE	1.148	996710	9041557	1	0.18
5	3.63	NITRATE	28.188	28370677	385228130	1	0.00
6	4.77		0.000	117405	1752703	1	
7	5.90	PHOSPHATE	11.088	4046562	64939883	1	-0.71
8	7.73	SULFATE	4.693	3461289	67292691	1	0.00
9	8.67		0.000	33312	699031	1	
		Totals	63.811	89261077	908179344		

File: 96020911.D13 Sample: DUP96-2619/FLD-BLK.F - A14



Data Reprocessed On 02/11/1996 15:33:42

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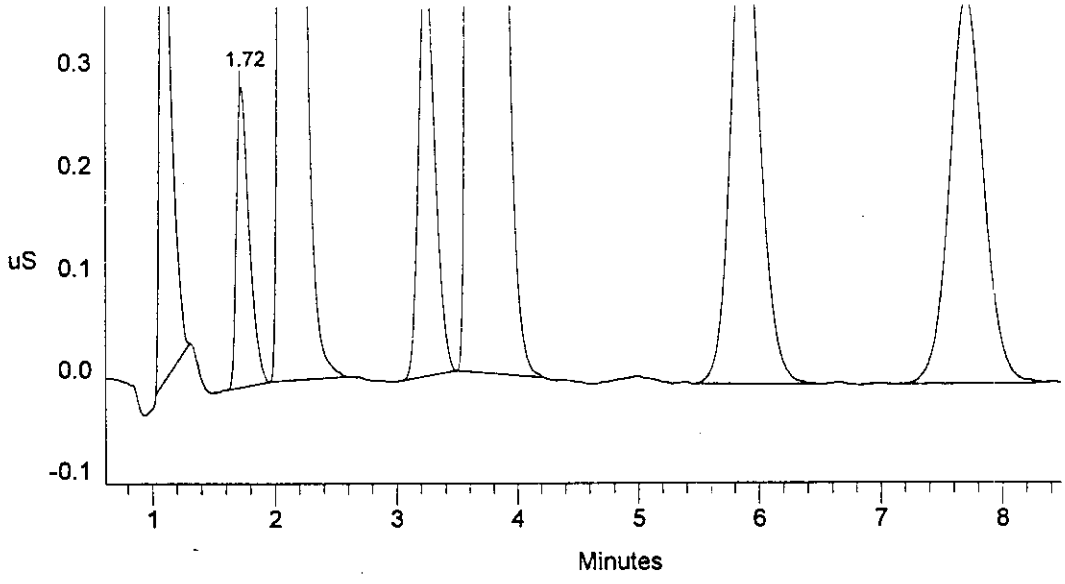
==============================================================================
| Sample Name: 96-2848/118.1ADL.D  - A19      Date: 02/09/1996 13:10:30       |
| Data File  : C:\DX\DATA\9602091\96020911.D14                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.62	8.49	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	20.232	557798	3670825	1	-1.10
2	1.72	CHLORIDE	16.688	277191	2112850	1	0.00
3	2.10	NITRITE	278.327	4460405	35751784	1	-0.43
4	3.23	BROMIDE	49.486	393050	3704694	1	3.00
5	3.67	NITRATE	762.178	7370858	87230573	1	0.00
6	5.87	PHOSPHATE	159.952	480142	8001579	1	-2.17
7	7.70	SULFATE	71.233	378647	7405049	1	0.00
		Totals	1358.096	13918093	147877354		

File: 96020911.D14 Sample: 96-2848/118.1ADL.D - A19



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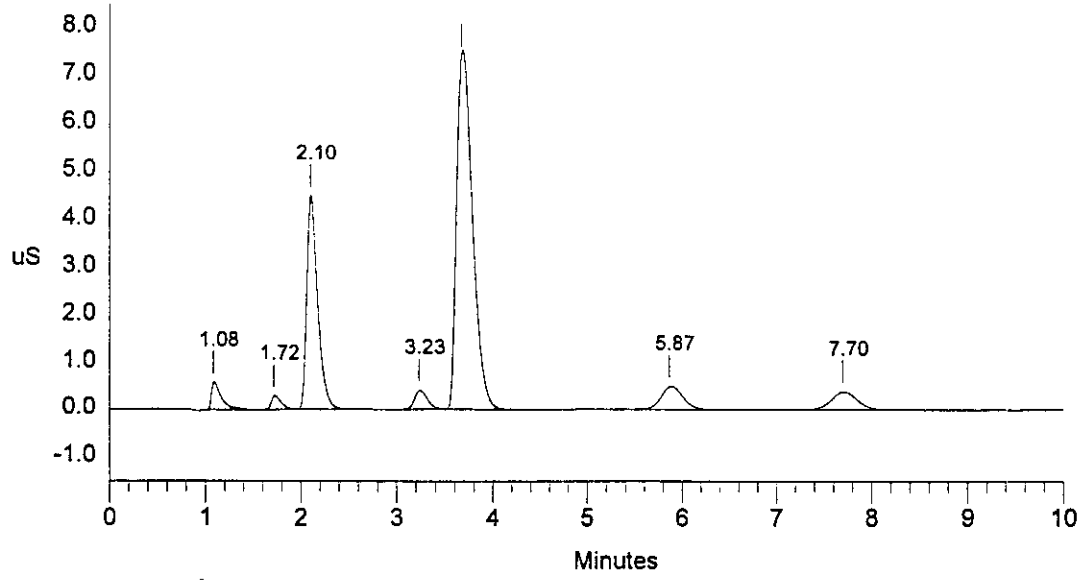
==============================================================================
| Sample Name: 96-2848/118.1ADL.D  - A19      Date: 02/09/1996 13:10:30       |
| Data File  : c:\DX\DATA\9602091\96020911.D14                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	22.202	567445	4314653	1	-1.10
2	1.72	CHLORIDE	16.688	277191	2112850	1	0.00
3	2.10	NITRITE	278.327	4460405	35751784	1	-0.43
4	3.23	BROMIDE	48.933	391505	3659730	1	3.00
5	3.67	NITRATE	762.643	7371279	87287957	1	0.00
6	5.87	PHOSPHATE	159.952	480142	8001579	1	-2.17
7	7.70	SULFATE	71.403	378789	7430139	1	0.00
		Totals	1360.148	13926756	148558693		

File: 96020911.D14 Sample: 96-2848/118.1ADL.D - A19



Data Reprocessed On 02/11/1996 15:39:13

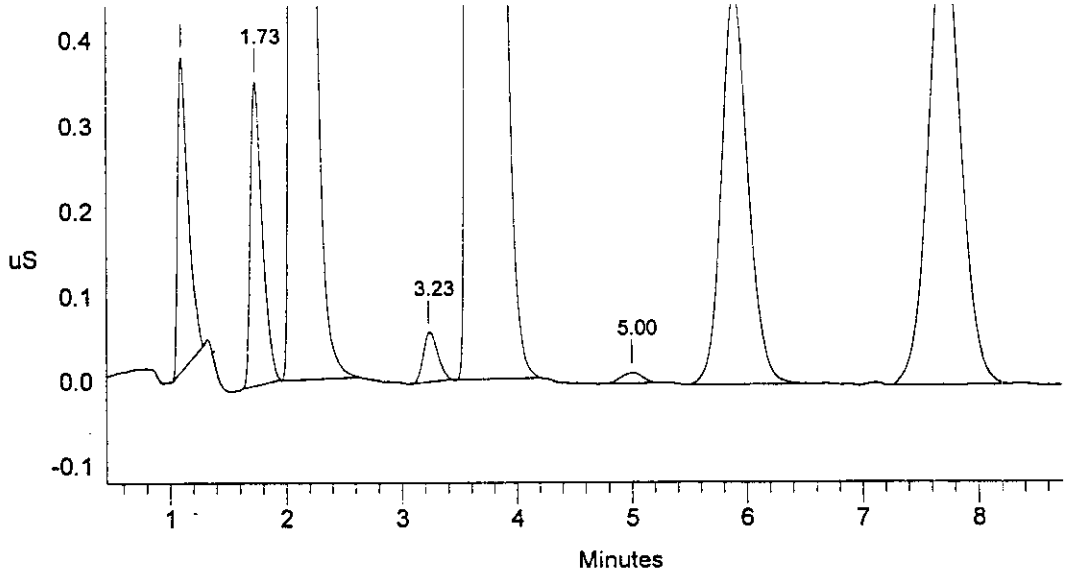
Sample Name: 96-2850/118.3DL.D - A20	Date: 02/09/1996 13:21:52
Data File : C:\DX\DATA\9602091\96020911.D15	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 15 Vial:A20	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.45	8.72	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.10	FLUORIDE	16.104	368075	2322721	1	-0.55
2	1.73	CHLORIDE	18.891	356943	2539173	1	0.00
3	2.10	NITRITE	354.315	5691128	46667244	1	-1.39
4	3.23	BROMIDE	9.996	57272	501057	1	2.01
5	3.67	NITRATE	988.808	9797334	115588148	1	0.00
6	5.00		0.000	12077	159674	1	
7	5.90	PHOSPHATE	149.558	459232	7411381	1	-1.62
8	7.70	SULFATE	91.804	535860	10436382	1	0.00
		Totals	1629.476	17277921	185625780		

File: 96020911.D15 Sample: 96-2850/118.3DL.D - A20



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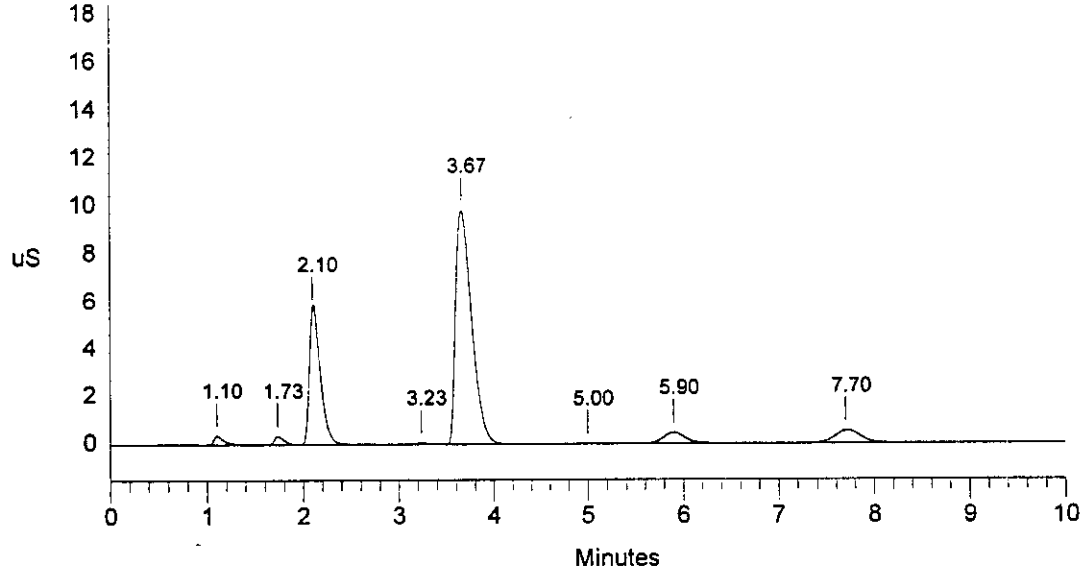
==============================================================================
| Sample Name: 96-2850/118.3DL.D  - A20        Date: 02/09/1996 13:21:52      |
| Data File  : c:\DX\DATA\9602091\96020911.D15                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 15  Vial:A20        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	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	FLUORIDE	18.017	381038	2947204	1	-0.55
2	1.73	CHLORIDE	18.955	357703	2551620	1	0.00
3	2.10	NITRITE	355.224	5692135	46798086	1	-1.39
4	3.23	BROMIDE	9.996	57272	501057	1	2.01
5	3.67	NITRATE	989.997	9798701	115739114	1	0.00
6	5.00		0.000	12077	159674	1	
7	5.90	PHOSPHATE	149.615	459260	7414586	1	-1.62
8	7.70	SULFATE	92.249	536453	10502079	1	0.00
		Totals	1634.053	17294638	186613421		

File: 96020911.D15 Sample: 96-2850/118.3DL.D - A20



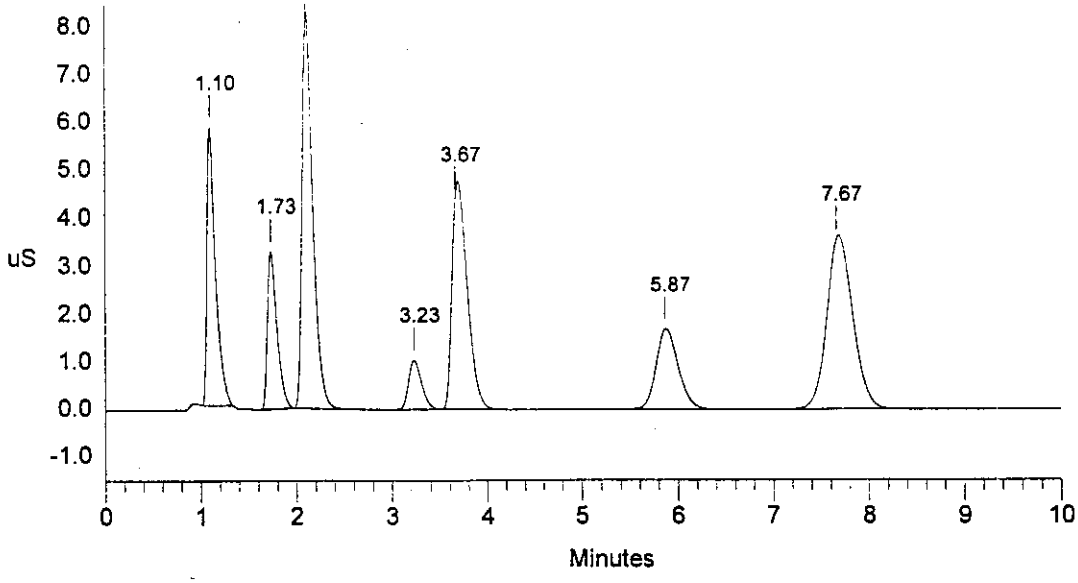
```
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/09/1996 13:33:11      |
| Data File  : c:\DX\DATA\9602091\96020911.D16                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 16  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	FLUORIDE	23.530	5795488	35912583	1	-0.55
2	1.73	CHLORIDE	24.408	3294252	22925204	1	0.00
3	2.10	NITRITE	95.114	8026372	64180539	1	-1.39
4	3.23	BROMIDE	24.551	1041626	9696080	1	2.01
5	3.67	NITRATE	96.055	4367645	53038556	1	0.00
6	5.87	PHOSPHATE	97.817	1686019	27040060	1	-2.17
7	7.67	SULFATE	96.222	3561499	69106911	1	0.00
		Totals	457.696	27772901	281899934		

File: 96020911.D16 Sample: A960123V1/LO - A04



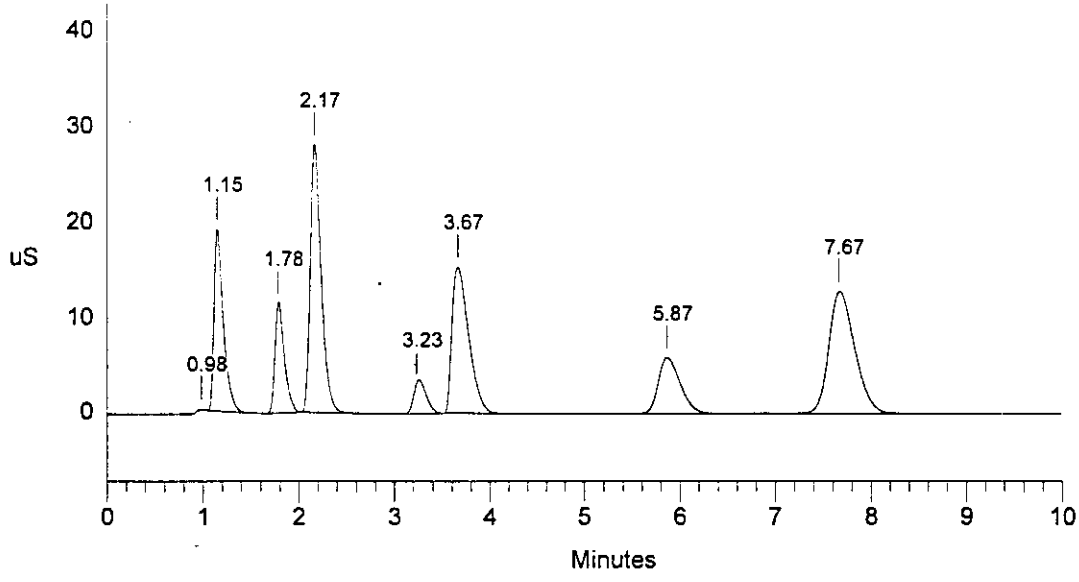
```
==========================================================================
| Sample Name: A960123V2/MID  - A04          Date: 02/09/1996 13:44:45    |
| Data File  : c:\DX\DATA\9602091\96020911.D17                            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 17  Vial:A04       Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	72056	218566	1	
2	1.15	FLUORIDE	25.633	19071965	128855088	1	1.06
3	1.78	CHLORIDE	25.875	11531569	80104068	1	0.00
4	2.17	NITRITE	102.360	28081695	222607202	1	-1.11
5	3.23	BROMIDE	25.668	3096012	31677364	1	-0.85
6	3.67	NITRATE	102.239	15317742	187393248	1	0.00
7	5.87	PHOSPHATE	103.157	5876878	93679687	1	-2.17
8	7.67	SULFATE	102.401	12857439	242966401	1	0.00
		Totals	487.333	95905355	987501623		

File: 96020911.D17 Sample: A960123V2/MID - A04



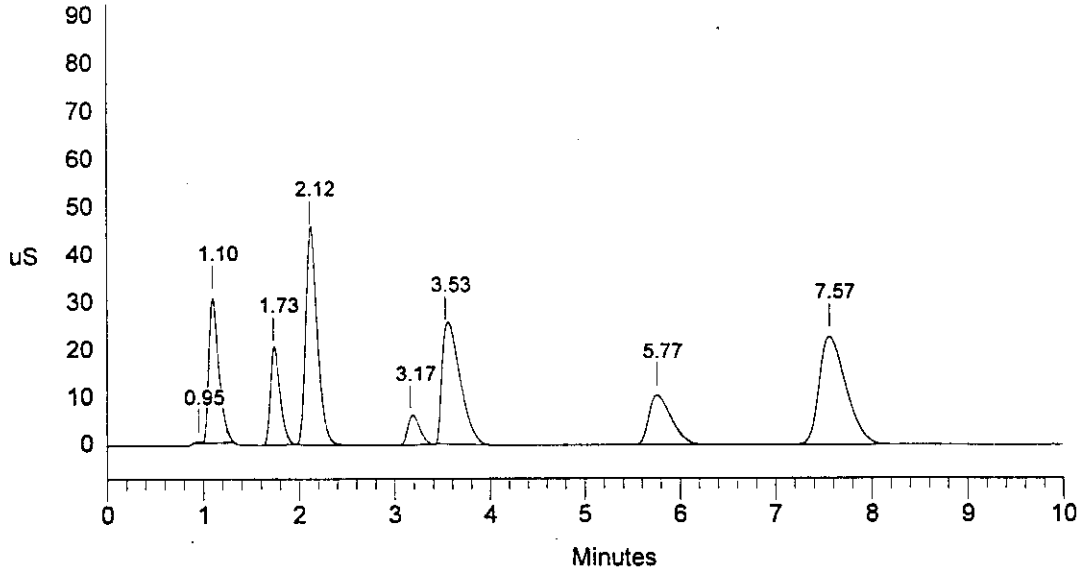
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/09/1996 13:56:27      |
| Data File  : c:\DX\DATA\9602091\96020911.D18                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 18  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	161626	630610	2	
2	1.10	FLUORIDE	25.312	30440968	222669891	2	-0.55
3	1.73	CHLORIDE	25.890	20083436	144620658	1	0.00
4	2.12	NITRITE	102.374	44444724	386139009	1	-0.60
5	3.17	BROMIDE	25.957	5677513	54719996	1	-0.09
6	3.53	NITRATE	102.103	24168117	339943464	1	0.00
7	5.77	PHOSPHATE	103.543	10399565	170686236	1	-0.21
8	7.57	SULFATE	102.832	22913920	443798108	1	0.00
		Totals	488.010	158289869	1763207972		

File: 96020911.D18 Sample: A960123V3/HI - A04



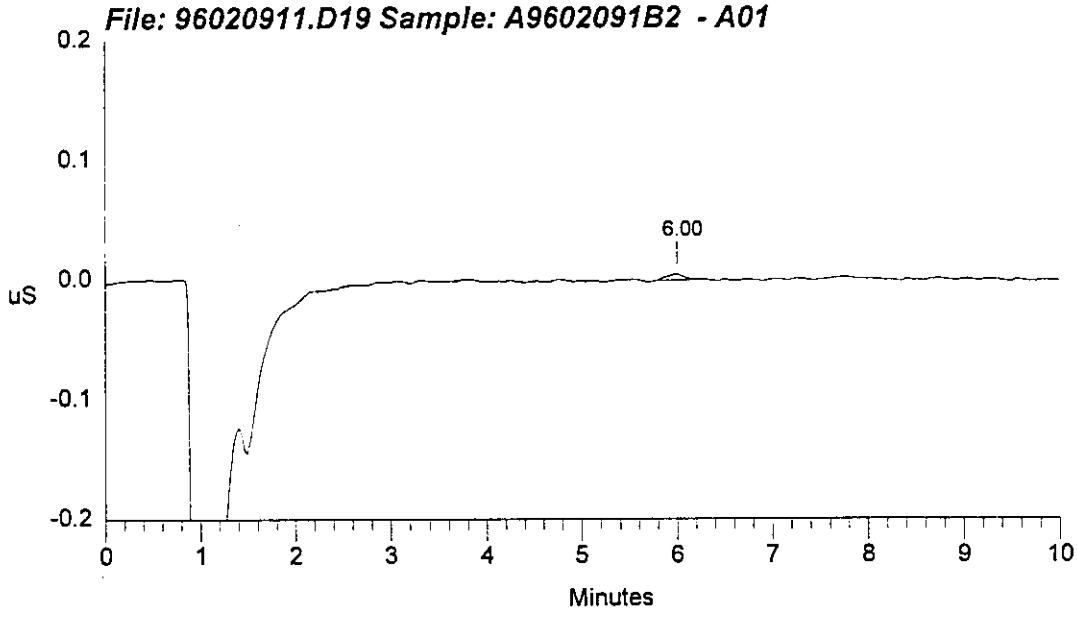
Data Reprocessed On 02/11/1996 15:40:11

Sample Name: A9602091B2 - A01	Date: 02/09/1996 14:08:32
Data File : C:\DX\DATA\9602091\96020911.D19	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 19 Vial:A01	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

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	6.00	PHOSPHATE	0.194	5323	72604	1	2.86
		Totals	0.194	5323	72604		

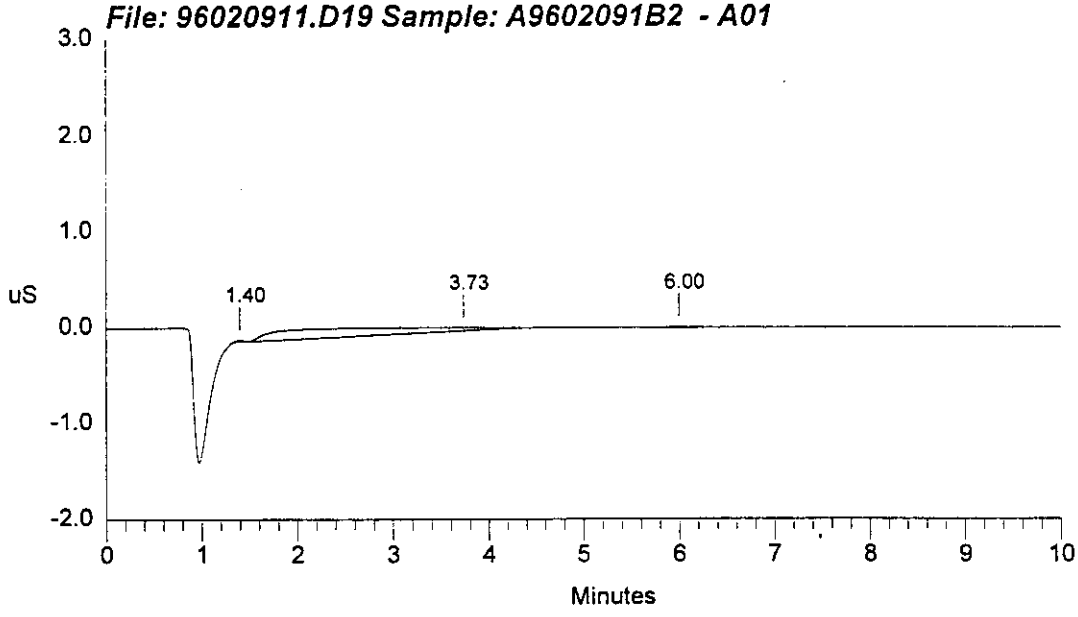


```
==============================================================================
| Sample Name: A9602091B2  - A01              Date: 02/09/1996 14:08:32      |
| Data File  : c:\DX\DATA\9602091\96020911.D19                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 19  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.40		0.000	19905	106286	1	
2	3.73	NITRATE	1.134	32582	10159494	1	0.00
3	6.00	PHOSPHATE	0.200	6281	108583	1	-1.73
		Totals	1.334	58769	10374362		



Data Reprocessed On 02/11/1996 15:42:44

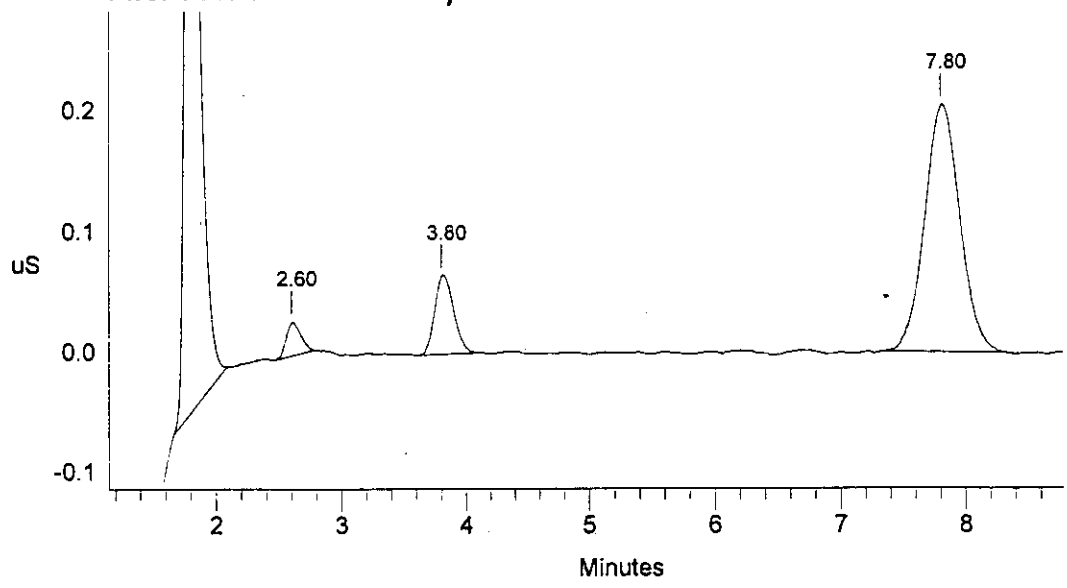
Sample Name: 96-2848 BLK - A21	Date: 02/09/1996 14:20:39
Data File : C:\DX\DATA\9602091\96020911.D20	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 20 Vial:A21	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	1	3000	5Hz	1.15	8.78	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.80	CHLORIDE	0.356	758163	5779300	1	0.00
2	2.60		0.000	27035	226902	1	
3	3.80	NITRATE	0.304	63785	698161	1	0.00
4	7.80	SULFATE	0.481	202794	4000137	1	0.00
		Totals	1.141	1051777	10704501		

File: 96020911.D20 Sample: 96-2848 BLK - A21

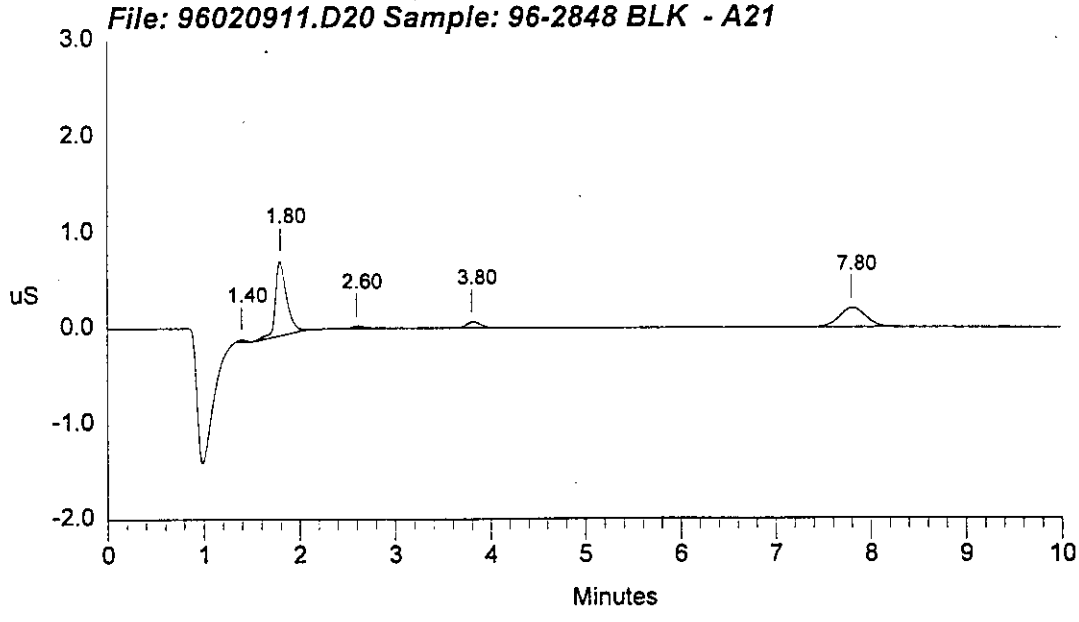


```
==============================================================================
| Sample Name: 96-2848 BLK  - A21              Date: 02/09/1996 14:20:39      |
| Data File  : c:\DX\DATA\9602091\96020911.D20                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 20  Vial:A21        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	1.40		0.000	21228	117017	1	
2	1.80	CHLORIDE	0.388	783337	6406176	1	0.00
3	2.60		0.000	29425	331367	1	
4	3.80	NITRATE	0.306	64173	716922	1	0.00
5	7.80	SULFATE	0.486	204114	4081622	1	0.00
		Totals	1.180	1102276	11653104		



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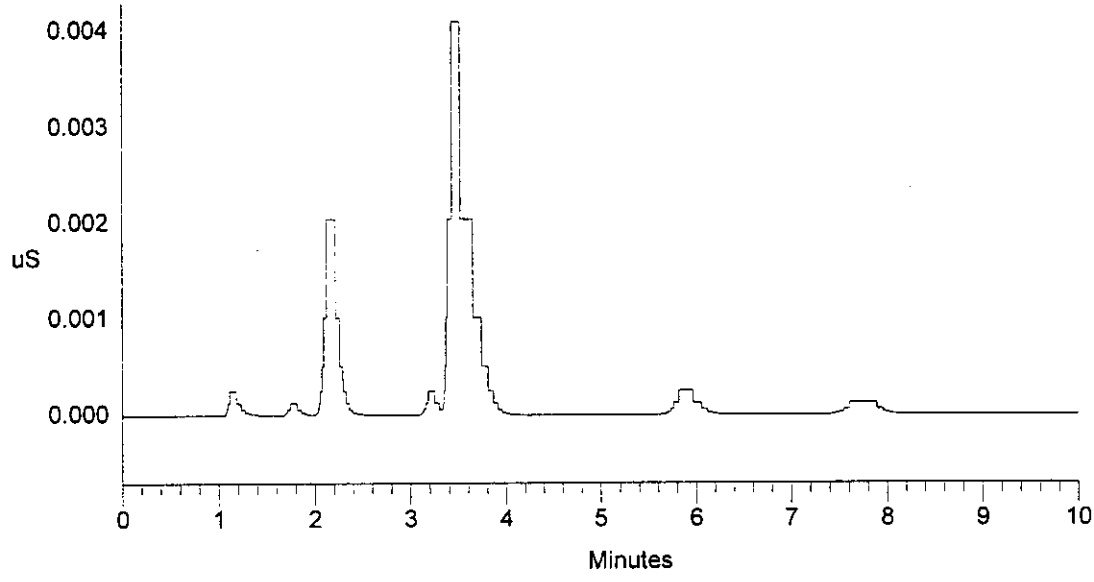
==============================================================================
| Sample Name: 96-2848/118.1ADL.D  - A19      Date: 02/09/1996 14:35:11      |
| Data File  : c:\DX\DATA\9602091\96020911.D21                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 21  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	0.00	10.00	30000	

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

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

File: 96020911.D21 Sample: 96-2848/118.1ADL.D - A19



Data Reprocessed On 02/11/1996 15:52:05

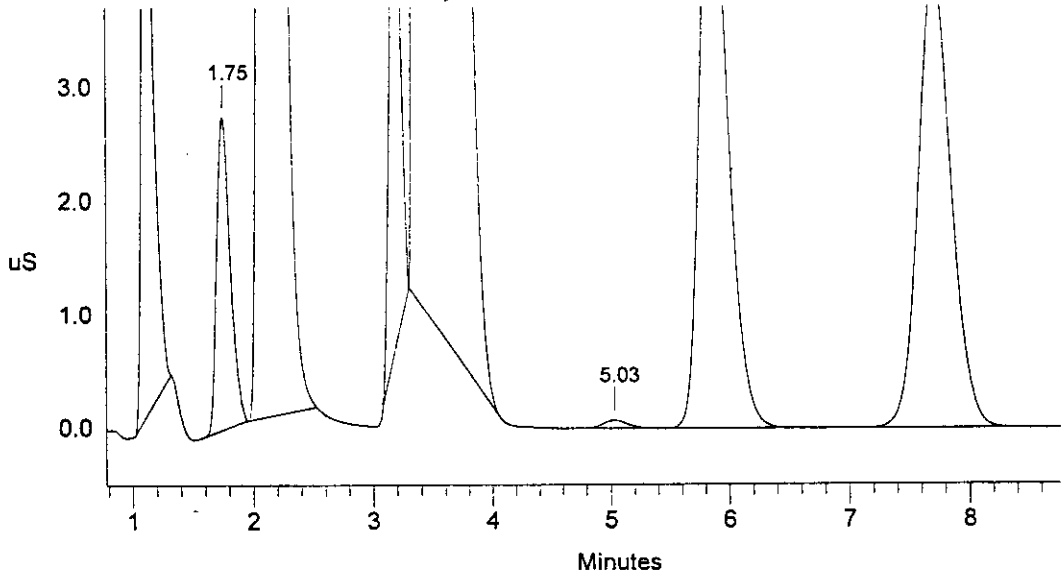
Sample Name: 96-2848/118.1ADL.D - A19	Date: 02/09/1996 14:47:15
Data File : C:\DX\DATA\9602091\96020911.D22	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 22 Vial:A19	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	5Hz	0.78	8.76	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12	FLUORIDE	12.775	5865882	39302360	1	0.00
2	1.75	CHLORIDE	11.560	2748469	21627811	1	0.00
3	2.13	NITRITE	271.278	45941500	411669373	1	-0.78
4	3.17	BROMIDE	35.167	3834435	28833510	1	-1.04
5	3.43	NITRATE	481.507	70751132	1139836854	1	0.00
6	5.03		0.000	67968	963094	1	
7	5.83	PHOSPHATE	144.908	5281262	87081848	1	3.88
8	7.70	SULFATE	52.611	3974122	76056617	1	0.00
		Totals	1009.806	138464769	1805371467		

File: 96020911.D22 Sample: 96-2848/118.1ADL.D - A19



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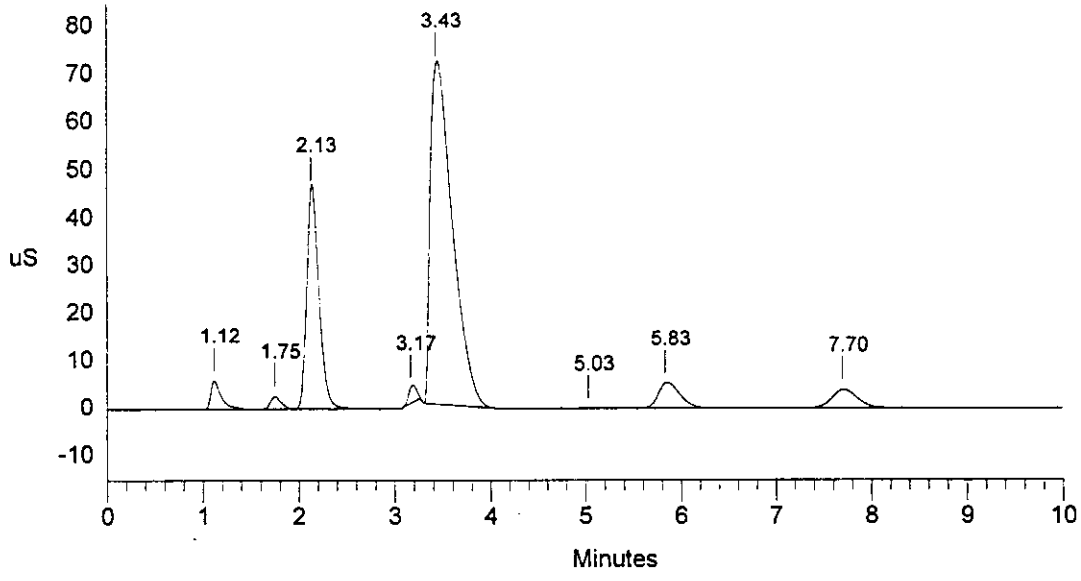
==============================================================================
| Sample Name: 96-2848/118.1ADL.D  - A19      Date: 02/09/1996 14:47:15      |
| Data File  : c:\DX\DATA\9602091\96020911.D22                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 22  Vial:A19        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	14.971	6056894	46709491	1	0.00
2	1.75	CHLORIDE	11.560	2748469	21627811	1	0.00
3	2.13	NITRITE	273.404	45985591	415229827	1	-0.78
4	3.17	BROMIDE	25.131	3242721	20362845	1	-1.04
5	3.43	NITRATE	481.507	70751132	1139836854	1	0.00
6	5.03		0.000	67968	963094	1	
7	5.83	PHOSPHATE	144.926	5281372	87093671	1	3.88
8	7.70	SULFATE	52.605	3974023	76047438	1	0.00
		Totals	1004.105	138108170	1807871030		

File: 96020911.D22 Sample: 96-2848/118.1ADL.D - A19



Data Reprocessed On 02/11/1996 15:55:16

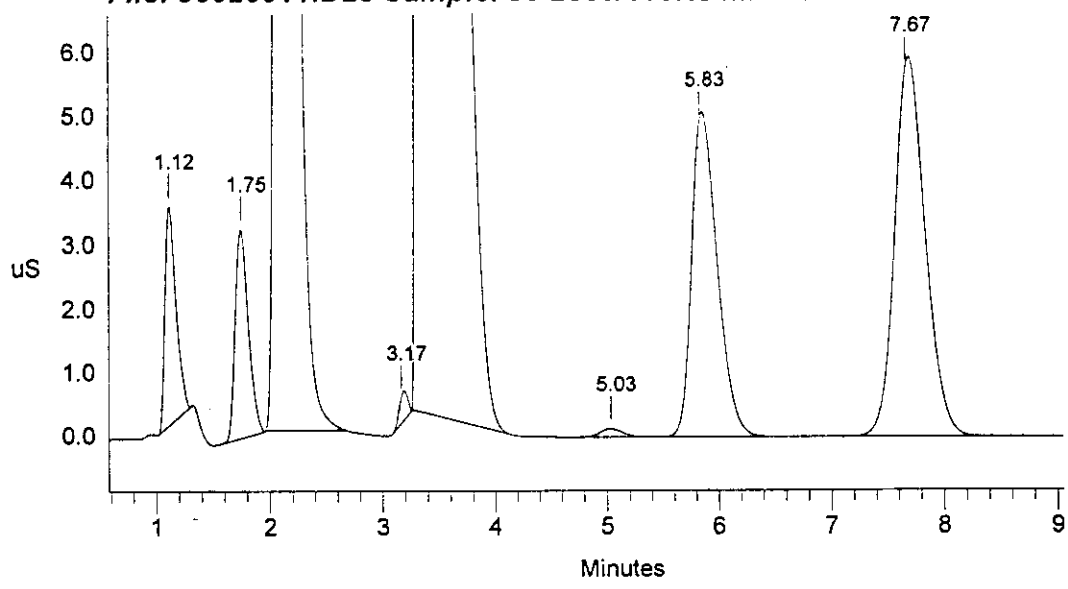
Sample Name: 96-2850/118.3DL.D - A20	Date: 02/09/1996 14:59:24
Data File : C:\DX\DATA\9602091\96020911.D23	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 23 Vial:A20	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	10	3000	5Hz	0.58	9.05	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.12	FLUORIDE	7.933	3413528	23130732	1	0.00
2	1.75	CHLORIDE	13.915	3266494	26392283	1	0.00
3	2.15	NITRITE	342.024	58549984	533347017	1	0.00
4	3.17	BROMIDE	3.241	395695	2316948	1	-1.04
5	3.40	NITRATE	400.150	91840150	1541009591	1	0.00
6	5.03		0.000	127233	1806995	1	
7	5.83	PHOSPHATE	135.575	4888490	80902707	1	4.90
8	7.67	SULFATE	75.434	5731164	111881162	1	0.00
		Totals	978.272	168212739	2320787434		

File: 96020911.D23 Sample: 96-2850/118.3DL.D - A20



Data Reprocessed On 02/11/1996 15:49:37

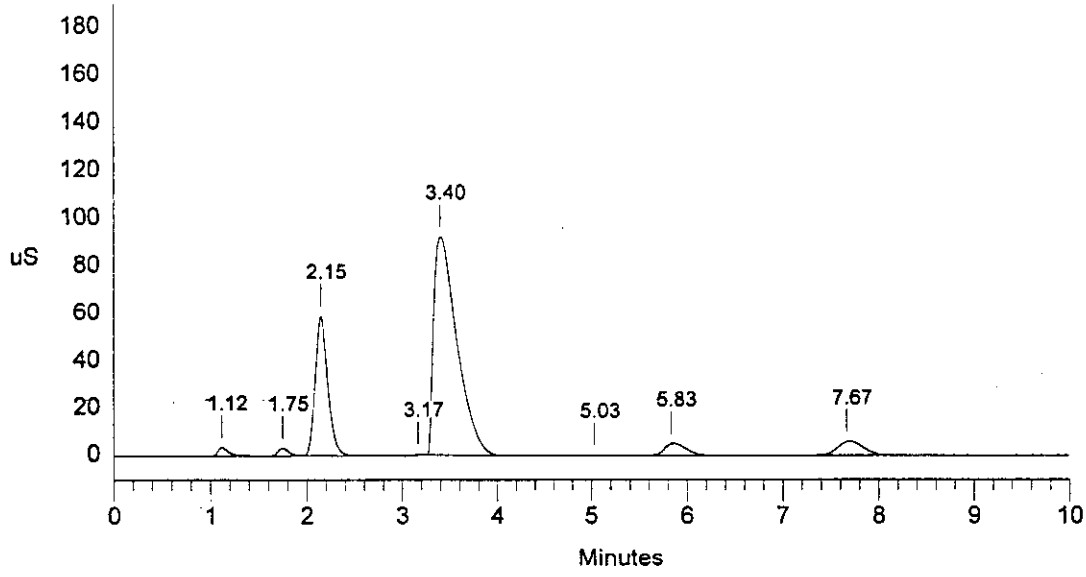
Sample Name: 96-2850/118.3DL.D - A20		Date: 02/09/1996 14:59:24	
Data File : C:\DX\DATA\9602091\96020911.D23			
Method : c:\dx\method\1anions1.met			
ACI Address: 1 System: 1 Inject#: 23 Vial:A20			Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	100	10	3000	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	FLUORIDE	9.956	3596380	29861855	1	0.00
2	1.75	CHLORIDE	13.915	3266494	26392283	1	0.00
3	2.15	NITRITE	342.960	58565743	535004097	1	0.00
4	3.17	BROMIDE	2.107	296715	1397745	1	-1.04
5	3.40	NITRATE	400.986	91765053	1538714953	1	0.00
6	5.03		0.000	127233	1806995	1	
7	5.83	PHOSPHATE	135.575	4888490	80902707	1	4.90
8	7.67	SULFATE	75.484	5731970	111960492	1	0.00
		Totals	980.983	168238078	2326041127		

File: 96020911.D23 Sample: 96-2850/118.3DL.D - A20



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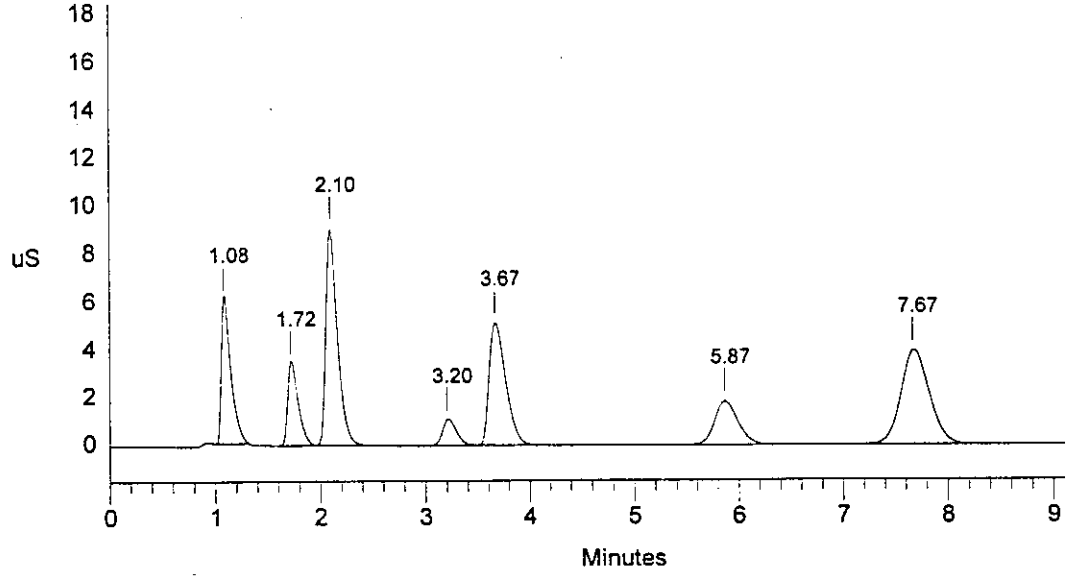
==============================================================================
| Sample Name: A960123V1/LO  - A38            Date: 02/09/1996 15:09:59      |
| Data File  : c:\DX\DATA\9602091\96020911.D24                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 24  Vial:A38        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	2733	5Hz	0.00	9.11	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.08	FLUORIDE	25.373	6042950	39006366	1	-1.10
2	1.72	CHLORIDE	26.037	3456802	24573274	1	0.00
3	2.10	NITRITE	102.909	9034563	69834817	1	-0.43
4	3.20	BROMIDE	26.254	1075540	10396691	1	1.94
5	3.67	NITRATE	103.753	5138665	57640426	1	0.00
6	5.87	PHOSPHATE	104.968	1835515	29150788	1	-2.17
7	7.67	SULFATE	104.449	3954630	75457993	1	0.00
		Totals	493.744	30538667	306060355		

File: 96020911.D24 Sample: A960123V1/LO - A38



Rejected vial filled from solution setting out at Room Temp. M. Hall

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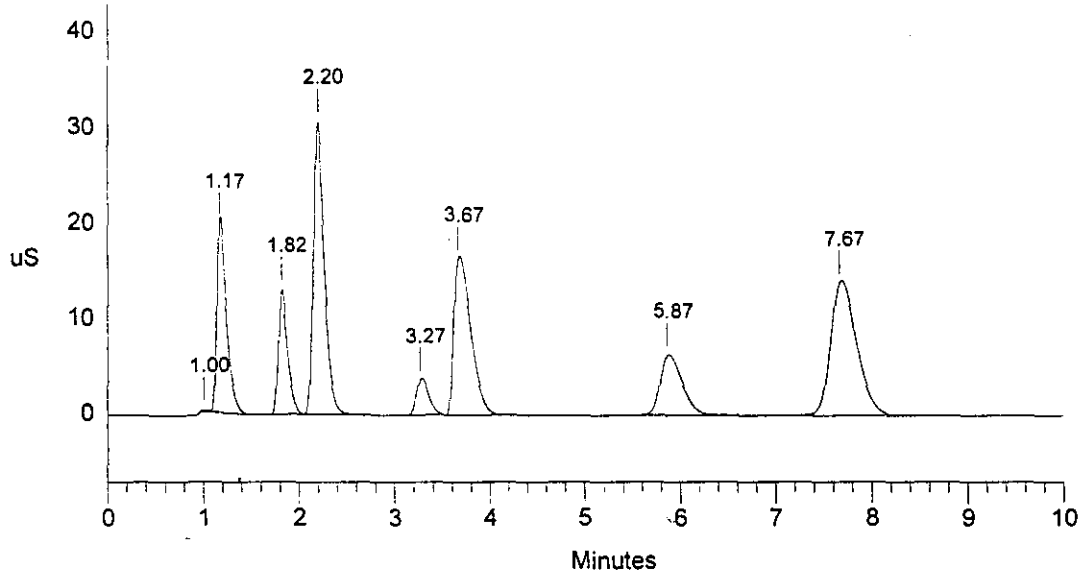
==========================================================================
| Sample Name: A960123V2/MID  - A38          Date: 02/09/1996 15:22:58
| Data File  : c:\DX\DATA\9602091\96020911.D25                            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 25  Vial:A38        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	2	3000	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	125601	605868	2	
2	1.17	FLUORIDE	27.841	19585364	140920961	2	0.64
3	1.82	CHLORIDE	27.837	13039901	86917445	1	0.00
4	2.20	NITRITE	111.218	30666428	243204217	1	-1.43
5	3.27	BROMIDE	27.408	3644337	33912453	1	-1.66
6	3.67	NITRATE	111.778	16290554	207221697	1	0.00
7	5.87	PHOSPHATE	111.724	6281845	102456454	1	-2.17
8	7.67	SULFATE	111.505	13852292	267423698	1	0.00
		Totals	529.311	103486322	1082662792		

File: 96020911.D25 Sample: A960123V2/MID - A38



Rejected vial filled from solution sitting out a Room

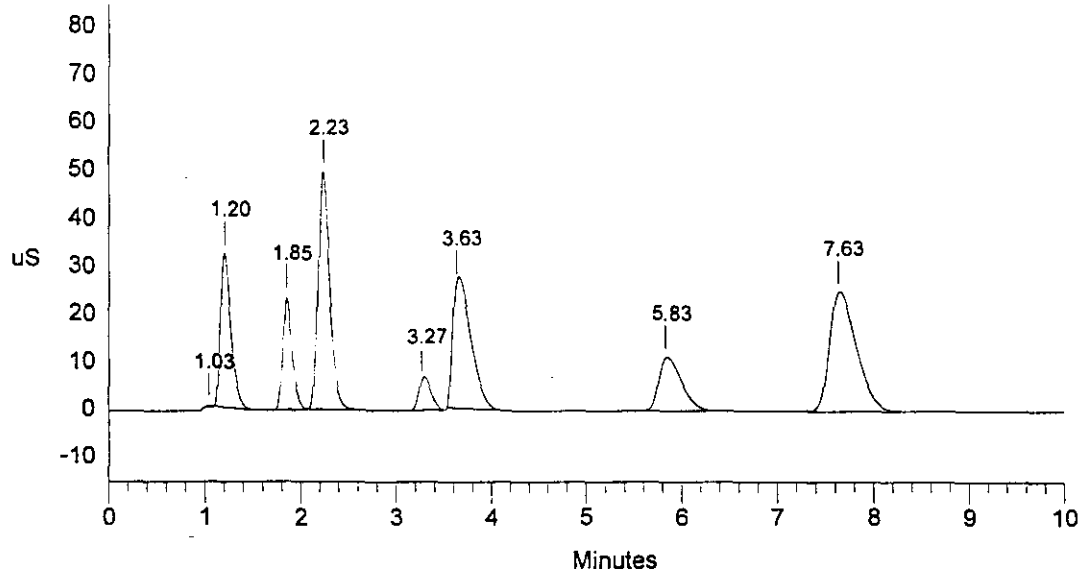
Sample Name: A960123V3/HI - A38	Date: 02/09/1996 15:34:38 M. [illegible] 2/12
Data File : c:\DX\DATA\9602091\96020911.D26	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 26 Vial:A38	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	2	3000	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		0.000	114673	323245	1	
2	1.20	FLUORIDE	27.606	32084122	245551805	1	1.65
3	1.85	CHLORIDE	28.046	23559460	159589490	1	0.00
4	2.23	NITRITE	109.985	49508011	417842766	1	-1.74
5	3.27	BROMIDE	28.146	6062936	59626487	1	-3.43
6	3.63	NITRATE	108.764	26250313	367932208	1	0.00
7	5.83	PHOSPHATE	111.436	11131265	187150152	1	-1.83
8	7.63	SULFATE	111.224	24832897	489919934	1	0.00
		Totals	525.208	173543677	1927936088		

File: 96020911.D26 Sample: A960123V3/HI - A38



Data Reprocessed On 02/11/1996 16:04:04

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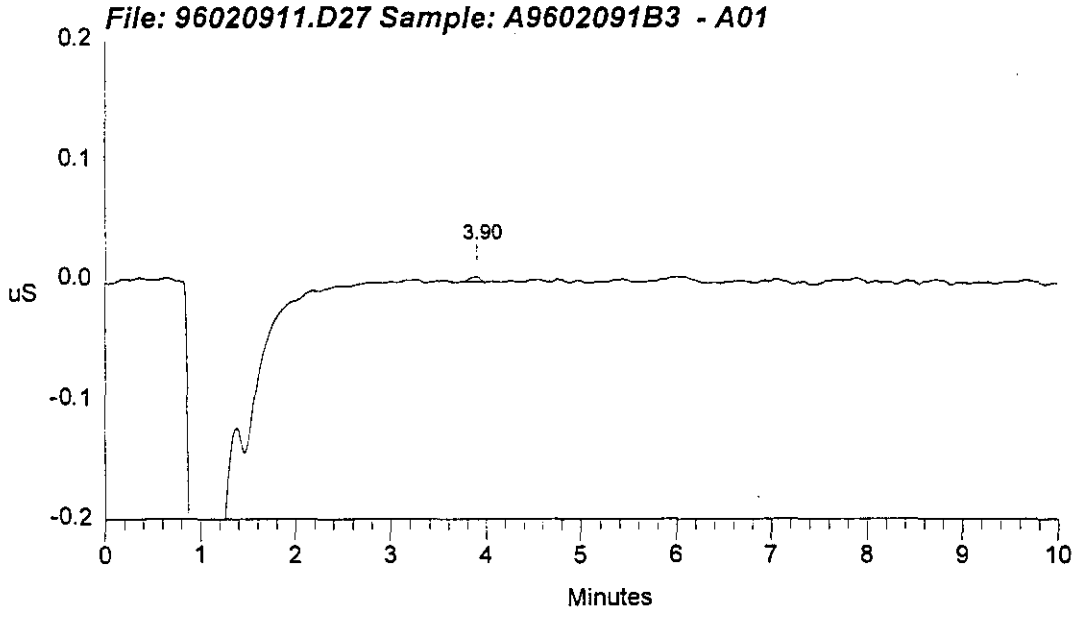
==============================================================================
| Sample Name: A9602091B3  - A01              Date: 02/09/1996 15:46:43      |
| Data File  : C:\DX\DATA\9602091\96020911.D27                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 27  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.90	NITRATE	0.245	4330	31034	1	0.00
		Totals	0.245	4330	31034		



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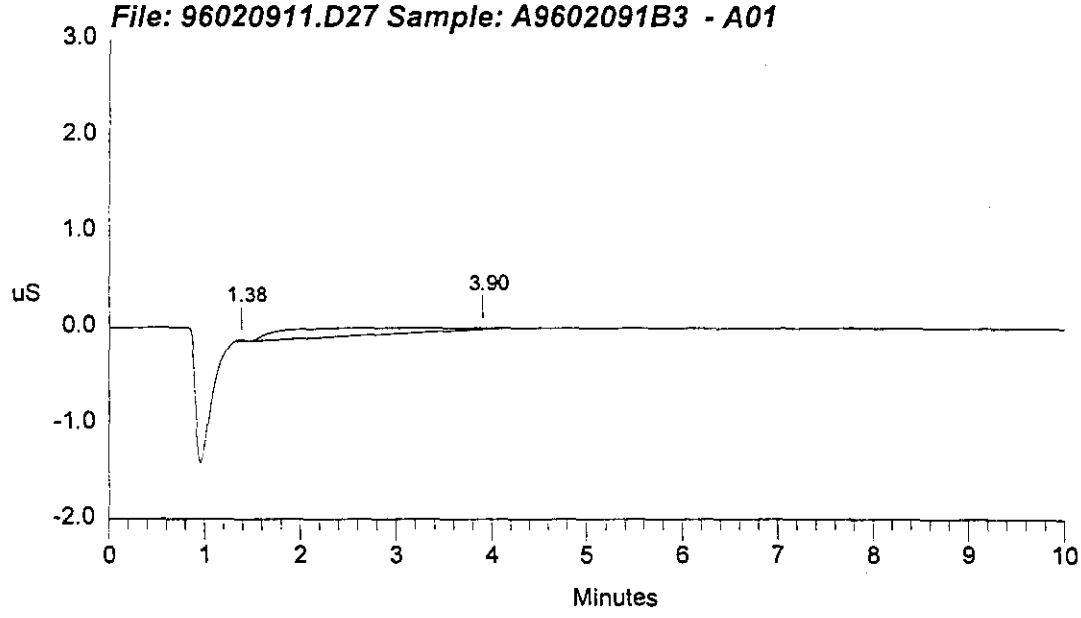
==========================================================================
| Sample Name: A9602091B3  - A01              Date: 02/09/1996 15:46:43   |
| Data File  : c:\DX\DATA\9602091\96020911.D27                            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 27  Vial:A01       Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

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	1.38		0.000	20773	107534	1	
2	3.90	NITRATE	1.057	17237	9282207	1	0.00
		Totals	1.057	38011	9389741		



Rejected vial filled from solution sitting out at Room Temp

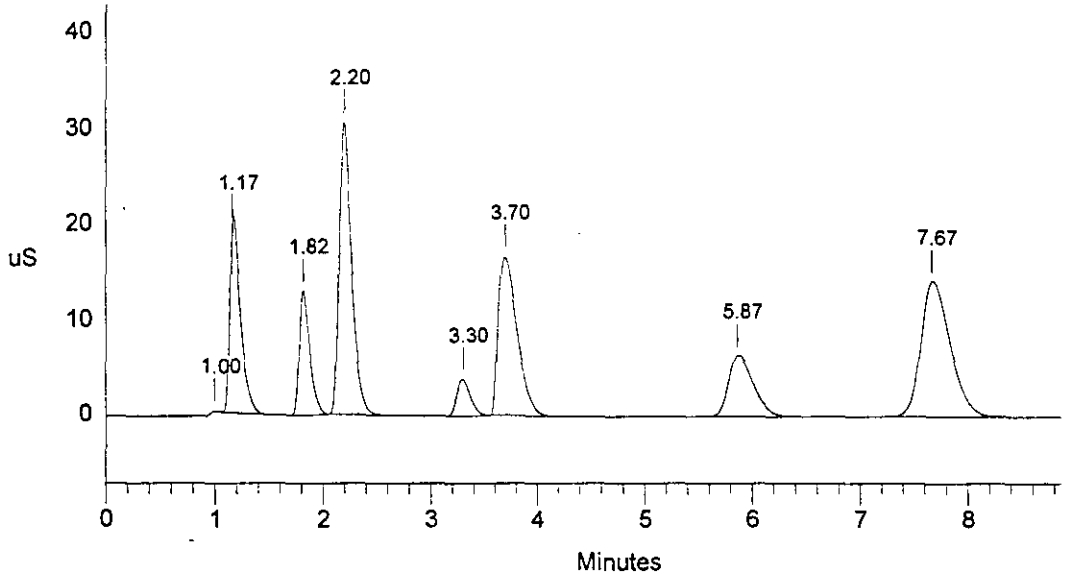
Sample Name: A960123V2/MID - A38	Date: 02/09/1996 16:16:46	M. Neill 2/12
Data File : c:\DX\DATA\9602091\96020911.D28		
Method : c:\dx\method\1anions1.met		
ACI Address: 1 System: 1 Inject#: 28 Vial:A38	Detector:PED-Cond.	
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	30	2	2660	5Hz	0.00	8.86	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.00		0.000	101899	492852	2	
2	1.17	FLUORIDE	27.850	19471534	140967293	2	0.64
3	1.82	CHLORIDE	28.068	13007003	87728705	1	0.00
4	2.20	NITRITE	110.926	30586675	242520392	1	-1.43
5	3.30	BROMIDE	27.863	3877256	34498601	1	-0.66
6	3.70	NITRATE	111.365	16554444	206353099	1	0.00
7	5.87	PHOSPHATE	111.968	6380360	102708745	1	-3.05
8	7.67	SULFATE	111.840	14064764	268333856	1	0.00
		Totals	529.878	104043934	1083603542		

File: 96020911.D28 Sample: A960123V2/MID - A38



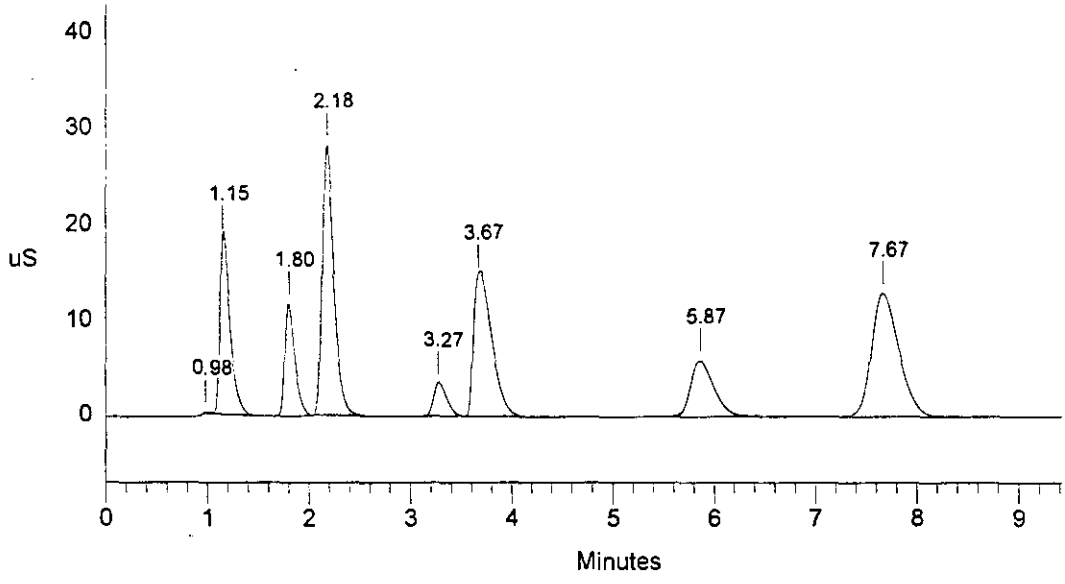
```
==========================================================================
| Sample Name: A960123V2/MID  - A04          Date: 02/09/1996 16:30:24    |
| Data File  : c:\DX\DATA\9602091\96020911.D29                            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 29  Vial:A04       Detector:PED-Cond.|
| Analyst    : MMO           Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	2827	5Hz	0.00	9.42	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98		0.000	108708	530554	2	
2	1.15	FLUORIDE	25.865	18419627	130117328	2	0.12
3	1.80	CHLORIDE	25.955	11784470	80379164	1	0.00
4	2.18	NITRITE	102.651	28162264	223281203	1	-1.27
5	3.27	BROMIDE	25.310	3338212	31218870	1	-0.75
6	3.67	NITRATE	103.441	14657606	189868150	1	0.00
7	5.87	PHOSPHATE	103.498	5901052	94025617	1	-2.17
8	7.67	SULFATE	102.714	12907724	243797620	1	0.00
		Totals	489.434	95279662	993218506		

File: 96020911.D29 Sample: A960123V2/MID - A04



Rejected vial filled from solution sitting out a Room Temp

M. O'Neill 2/12

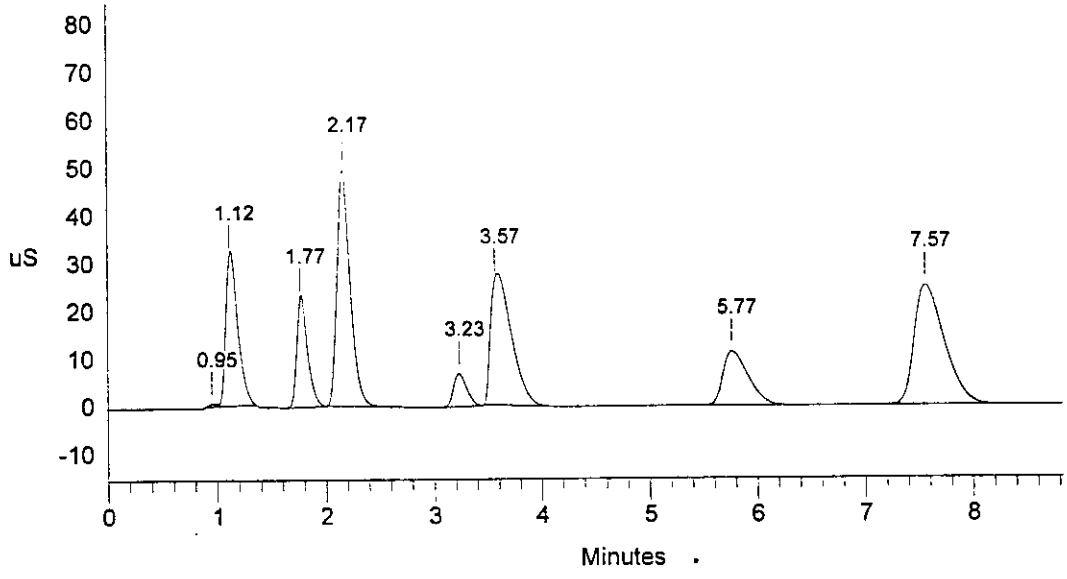
Sample Name: A960123V3/HI - A38	Date: 02/09/1996 16:42:15
Data File : c:\DX\DATA\9602091\96020911.D30	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 30 Vial:A38	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	2649	5Hz	0.00	8.83	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95		0.000	557971	2651095	2	
2	1.12	FLUORIDE	27.765	31117649	247155703	2	-0.94
3	1.77	CHLORIDE	28.109	22377700	160034204	1	0.00
4	2.17	NITRITE	109.731	49638857	416776960	1	-0.18
5	3.23	BROMIDE	28.080	6951360	59477912	1	0.09
6	3.57	NITRATE	109.819	26040910	372466196	1	0.00
7	5.77	PHOSPHATE	111.584	11349750	187466059	1	-1.14
8	7.57	SULFATE	111.377	25163459	490780078	1	0.00
		Totals	526.465	173197657	1936808207		

File: 96020911.D30 Sample: A960123V3/HI - A38



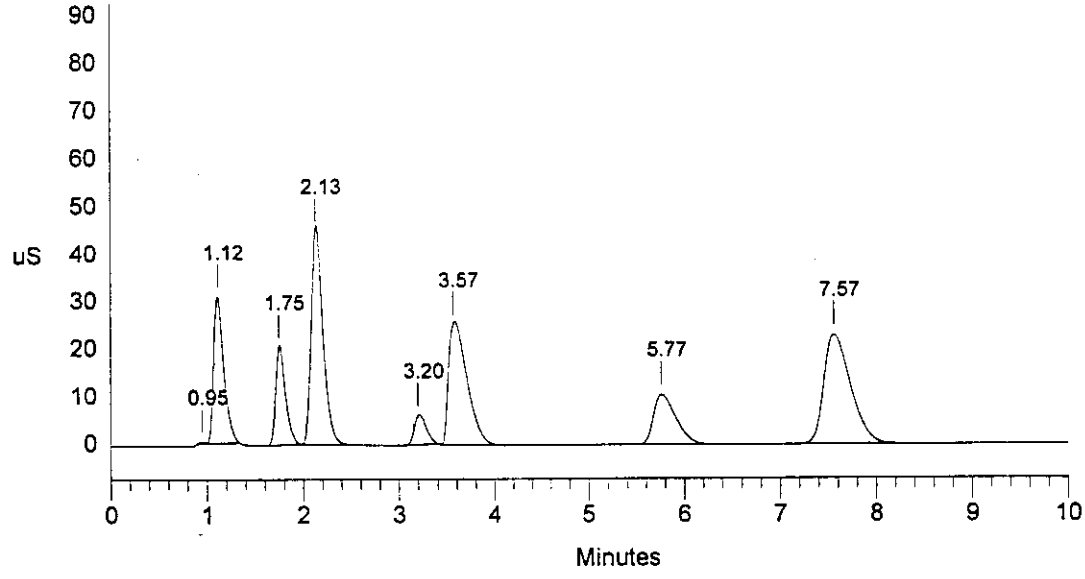
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/09/1996 16:54:54      |
| Data File  : c:\DX\DATA\9602091\96020911.D31                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 31  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	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	322955	1274150	2	
2	1.12	FLUORIDE	25.620	30703302	225707491	2	0.00
3	1.75	CHLORIDE	25.961	20463513	145101264	1	0.00
4	2.13	NITRITE	102.790	44819704	387861576	1	-0.78
5	3.20	BROMIDE	25.113	6027535	52841968	1	0.00
6	3.57	NITRATE	103.565	25146538	345998325	1	0.00
7	5.77	PHOSPHATE	103.853	10434555	171318472	1	-1.14
8	7.57	SULFATE	103.028	22994064	444852142	1	0.00
		Totals	489.930	160912166	1774955387		

File: 96020911.D31 Sample: A960123V3/HI - A04



AI-450 AS3500 Editor - 02081SCH.AS3

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
				25ppm Halide + 50ppm oxy					
1	A02	10	1	cal check #1	1anions1	96020811	10	1	
2	A03	10	1	cal check #3 25ppm Halide 100ppm oxy.	1anions1	96020811	2	1	
3	A04	10	1	A960123V1/LO	1anions1	96020811	2	1	
4	A01	100	1	ELUANT BLANK	1anions1	96020811	1	1	
5	A02	10	1	AUTOCAL1R	1anions1	96020811	1	1	
6	A02	20	1	AUTOCAL2R	1anions1	96020811	1	1	
7	A02	20	1	AUTOCAL2R	1anions1	96020811	1	1	
8	A03	10	1	AUTOCAL3R	1anions1	96020811	1	1	
9	A03	20	1	AUTOCAL4R	1anions1	96020811	1	1	
10	A03	40	1	AUTOCAL5R	1anions1	96020811	1	1	
11	A03	60	1	AUTOCAL6R	1anions1	96020811	1	1	
12	A02	10	1	CAL CHECK #1 reinject	1anions1	96020811	10	1	
13	A02	10	1	CAL CHECK #1 ↑oxy. recovery	1anions1	96020811	10	1	
14	A03	40	1	CAL CHECK #5 acc.	1anions1	96020811	2	1	
15	A04	10	1	A960123V1/LO acc	1anions1	96020811	2	1	
16	A04	30	1	A960123V2/MID acc	1anions1	96020811	2	1	
17	A04	50	1	A960123V3/HI reinject.	1anions1	96020811	2	1	
18	A01	100	1	A9602081B1 acc	1anions1	96020811	1	1	
19	A04	50	1	A960123V3/HI acc.	1anions1	96020811	2	1	
20	A05	10	1	SPK CHECK960207 acc.	1anions1	96020811	10	1	
21	A09	1	1	96-3059/314 SW reinjed.	1anions1	96020811	10	1	
22	A09	1	1	96-3059/314 SW	1anions1	96020811	10	1	
23	A12	1	1	96-3059/314 SW	1anions1	96020811	100	1	
24	A10	1	1	96-2968/314 EAST WAT	1anions1	96020811	1	1	
25	A11	1	1	96-2969/PIT WATER A	1anions1	96020811	1	1	
26	A06	1	1	SC95083111CSP1	1anions1	96020811	100	1	
27	A06	10	1	SC95083111CSP1	1anions1	96020811	100	1	
28	A07	100	1	96-2619/FLD-BLK.F	1anions1	96020811	1	1	
29	A08	1	1	96-2620/HYD-FLUID.D	1anions1	96020811	10	1	
30	A11	5	1	96-2969/PIT WATER A	1anions1	96020811	1	1	
31	A04	10	1	A960123V1/LO acc	1anions1	96020811	2	1	
32	A04	30	1	A960123V2/MID acc	1anions1	96020811	2	1	
33	A04	50	1	A960123V3/HI acc	1anions1	96020811	2	1	
34	A01	100	1	A9602081B2 acc.	1anions1	96020811	1	1	
35	A01	100	1	A9602081B2	1anions1	96020811	1	1	
36	A13	10	1	96-2968/314 EAST WAT	1anions1	96020811	10	1	
37	A07	50	1	96-2619/FLD-BLK.F	1anions1	96020811	Samples 1	1	
38	A14	50	1	DUP96-2619/FLD-BLK.F	1anions1	96020811	rerun 1	2/09 — 1	
39	A14	100	1	DUP96-2619/FLD-BLK.F	1anions1	96020811	Cannot rpt'd 1	be 1	
40	A15	3	1	96-2620/HYD-FLUID.D	1anions1	96020811	unacc. 100	due to QC. 1	
41	A08	10	1	96-2620/HYD-FLUID.D	1anions1	96020811	10	1	
42	A16	100	1	96-2969/PIT WATER A	1anions1	96020811	20	1	
43	A17	100	1	MS96-2969/PIT WATER	1anions1	96020811	20	1	
44	A18	100	1	MSD96-2969/PIT WATER	1anions1	96020811	20	1	
45	A38	10	1	A960123V1/LO	1anions1	96020811	2	1	
46	A38	30	1	A960123V2/MID QC unacceptable	1anions1	96020811	2	1	

#	Vial Pos	Inj. Vol.	Inj/ Vial	Sample	Method (.MET)	Data	Dil.	Int. Std.	Template (.PRP)
47	A38	50	1	A960123V3/HI	1anions1	96020811	2	1	
48	A01	100	1	A9602081B3	1anions1	96020811	1	1	
49	A38	10	1	A960123V1/LO	1anions1	96020811	2	1	
50	A40	10	1	NO RUN	1shutdn	96020811	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	A02	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
2	A03	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
3	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
4	A01	Off	18	Off	0	0.00	250	Viscous	Viscous	Push	2.0
5	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
6	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
7	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
8	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
9	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
10	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
11	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
12	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
13	A02	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
14	A03	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
15	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
16	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
17	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
18	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
19	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
20	A05	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
21	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
22	A09	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
23	A12	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
24	A10	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
25	A11	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
26	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
27	A06	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
28	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
29	A08	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
30	A11	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
31	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

32	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
33	A04	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
34	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
35	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
36	A13	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
37	A07	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
38	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
39	A14	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
40	A15	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
41	A08	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
42	A16	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
43	A17	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
44	A18	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
45	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
46	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
47	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
48	A01	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
49	A38	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0
50	A40	Off	18	Off	0	0.00	250	Normal	Normal	Push	2.0

Comment:

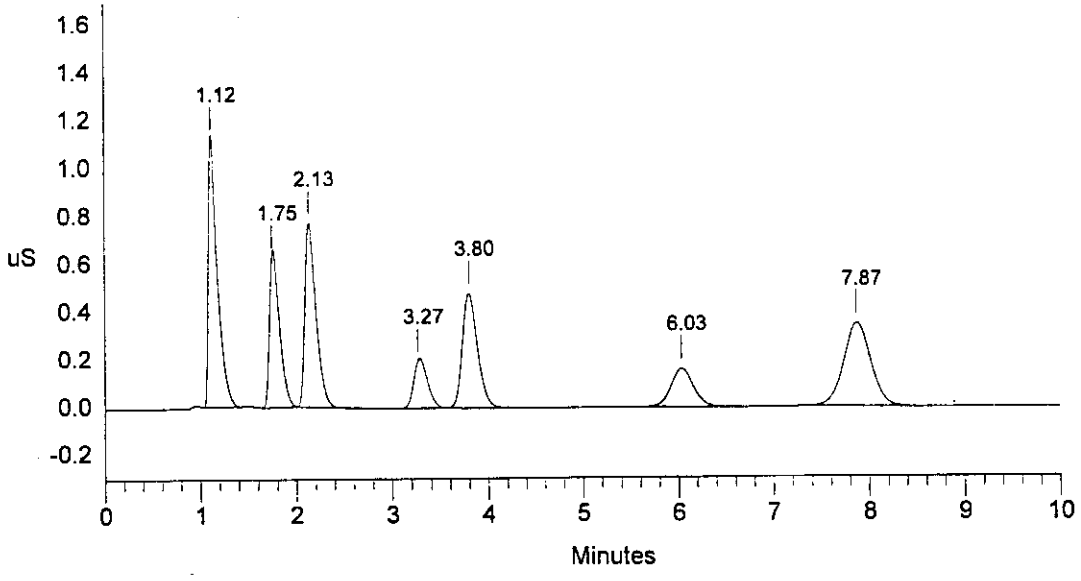
```
==============================================================================
| Sample Name: CAL CHECK #1  - A02            Date: 02/08/1996 08:48:54      |
| Data File  : c:\DX\DATA\9602081\96020811.D01                              |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 1   Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)           |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	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	FLUORIDE	28.688	1117677	7374161	1	-1.05
2	1.75	CHLORIDE	30.663	627561	4773243	1	0.00
3	2.13	NITRITE	69.527	765995	6159678	1	0.34
4	3.27	BROMIDE	27.687	196696	2034340	1	0.88
5	3.80	NITRATE	72.504	480591	5298873	1	0.00
6	6.03	PHOSPHATE	65.243	161510	2695820	1	1.12
7	7.87	SULFATE	66.057	347970	6932642	1	0.00
		Totals	360.369	3698001	35268759		

File: 96020811.D01 Sample: CAL CHECK #1 - A02



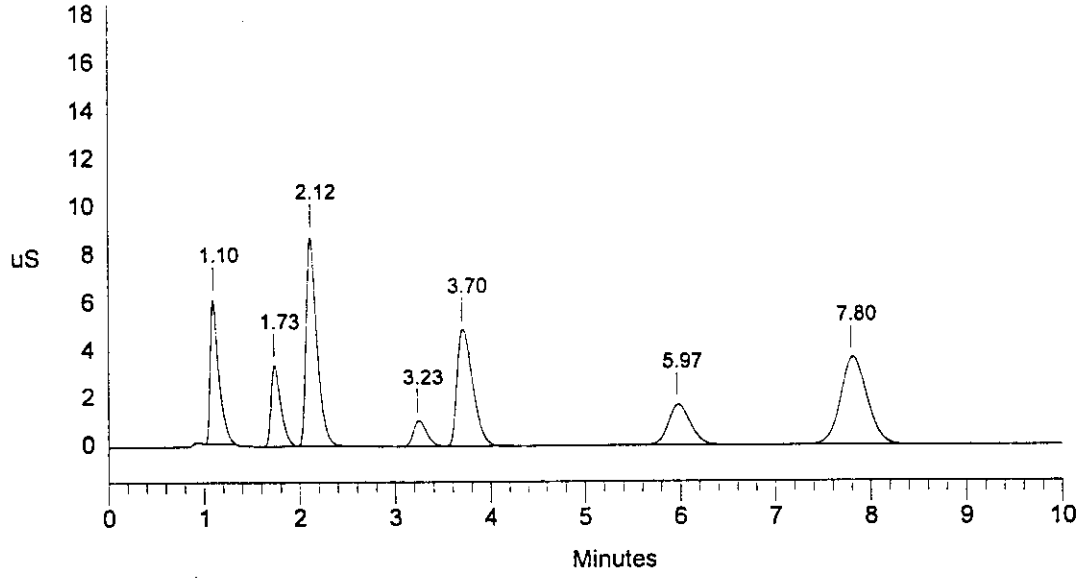
```
==============================================================================
| Sample Name: CAL CHECK #3  - A03            Date: 02/08/1996 09:01:43      |
| Data File  : c:\DX\DATA\9602081\96020811.D02                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 2   Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	FLUORIDE	24.844	6050277	37939463	1	-1.59
2	1.73	CHLORIDE	25.777	3372515	23901591	1	0.00
3	2.12	NITRITE	101.451	8748636	68412823	1	0.51
4	3.23	BROMIDE	26.417	1030628	10216035	1	0.81
5	3.70	NITRATE	100.534	4849226	56134049	1	0.00
6	5.97	PHOSPHATE	100.670	1672828	27741555	1	2.70
7	7.80	SULFATE	99.772	3633296	71666528	1	0.00
		Totals	479.466	29357405	296012045		

File: 96020811.D02 Sample: CAL CHECK #3 - A03



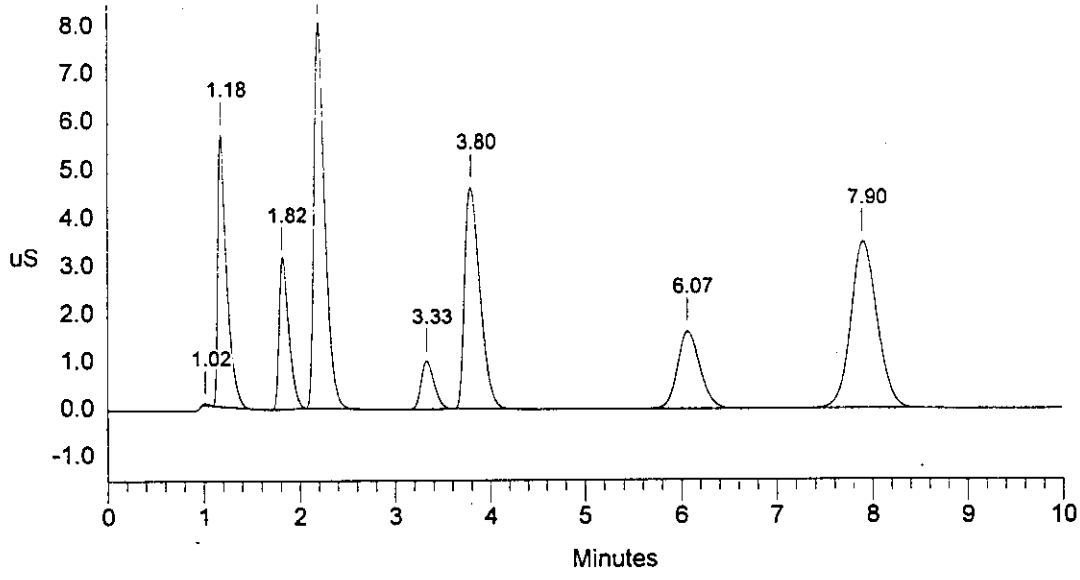
```
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/08/1996 09:13:01      |
| Data File  : c:\DX\DATA\9602081\96020811.D03                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 3   Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	42317	195029	2	
2	1.18	FLUORIDE	23.754	5669187	36165455	2	1.01
3	1.82	CHLORIDE	24.234	3118595	22368261	1	0.00
4	2.20	NITRITE	94.132	8040876	63149710	1	-0.32
5	3.33	BROMIDE	24.727	1011871	9544276	1	-0.84
6	3.80	NITRATE	93.658	4622114	52001666	1	0.00
7	6.07	PHOSPHATE	96.908	1629307	26641314	1	1.68
8	7.90	SULFATE	94.899	3486481	67938533	1	0.00
		Totals	452.313	27620749	278004245		

File: 96020811.D03 Sample: A960123V1/LO - A04



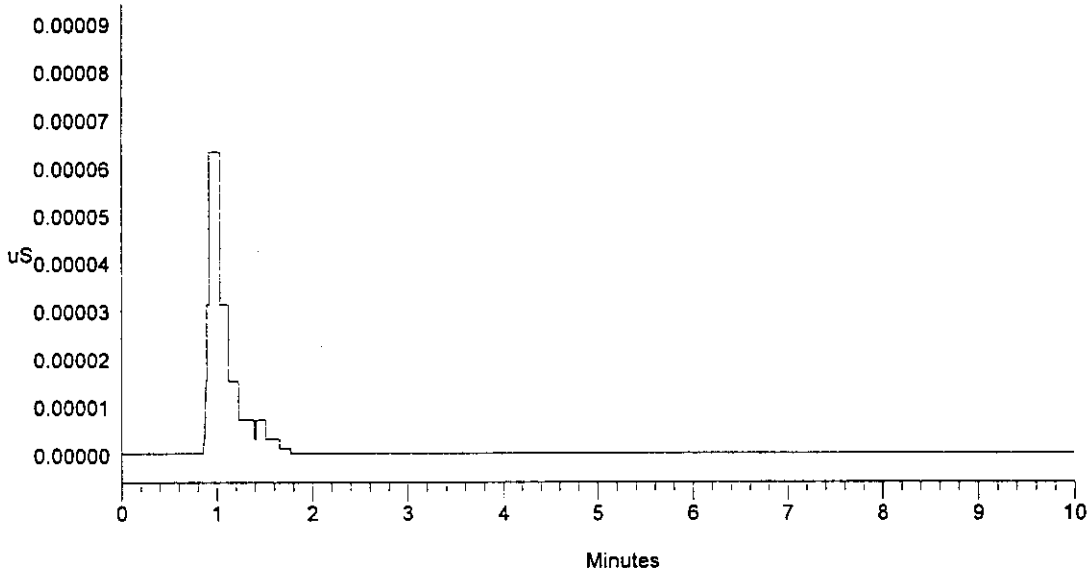
```
==============================================================================
| Sample Name: ELUANT BLANK  - A01            Date: 02/08/1996 09:29:30      |
| Data File  : c:\DX\DATA\9602081\96020811.D04                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 4   Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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
		Totals	0.000	0	0		

File: 96020811.D04 Sample: ELUANT BLANK - A01



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

```
==============================================================================
| Sample Name: AUTOCAL1R  - A02                 Date: Thu Feb 08 09:40:50 1996|
| Raw File    : c:\DX\DATA\9602081\96020811.D05                             |
| Method      : c:\dx\method\1anions1.met                 Calibration Level: 1 |
| ACI Address: 1       System : 1       Inject#:  5        Detector: PED-Cond.|
==============================================================================
```

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE
1	FLUORIDE	1.15	1.18	1.18	6.830e+006	6.944e+006	6.944e+006
2	CHLORIDE	1.78	1.82	1.82	4.133e+006	4.515e+006	4.515e+006
3	NITRITE	2.17	2.18	2.18	5.567e+006	5.752e+006	5.752e+006
4	BROMIDE	3.30	3.30	3.30	1.826e+006	1.945e+006	1.945e+006
5	NITRATE	3.80	3.83	3.83	4.707e+006	4.933e+006	4.933e+006
6	PHOSPHATE	5.97	6.10	6.10	2.397e+006	2.555e+006	2.555e+006
7	SULFATE	7.80	7.93	7.93	6.276e+006	6.638e+006	6.638e+006

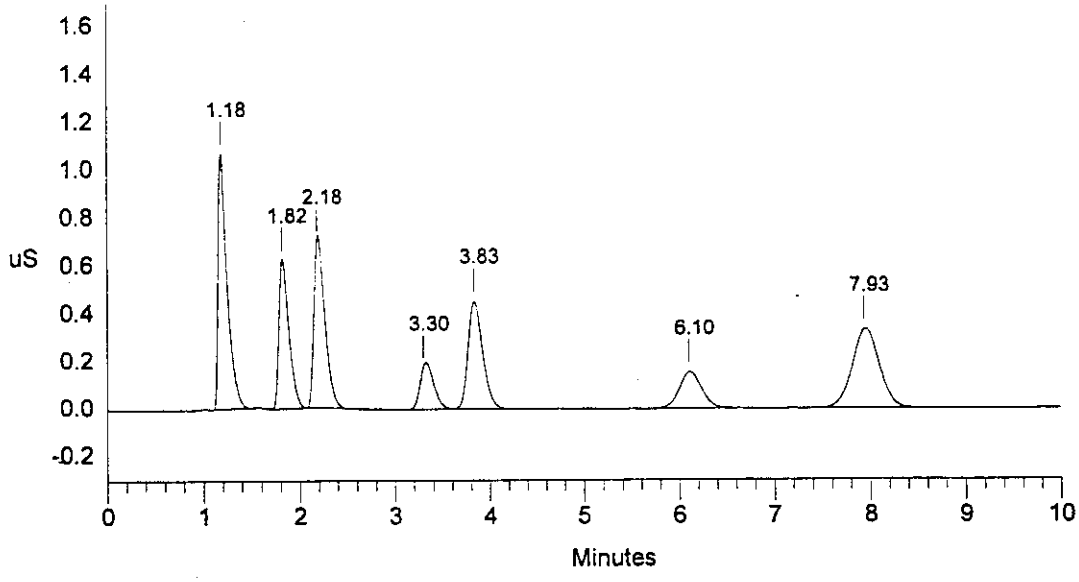
```
==============================================================================
| Sample Name: AUTOCAL1R  - A02                Date: 02/08/1996 09:40:50      |
| Data File  : c:\DX\DATA\9602081\96020811.D05                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 5   Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.18	FLUORIDE	0.250	1063771	6944317	1	1.01
2	1.82	CHLORIDE	0.250	621573	4515184	1	0.00
3	2.18	NITRITE	0.500	695278	5752483	1	-1.08
4	3.30	BROMIDE	0.250	174792	1945367	1	-1.83
5	3.83	NITRATE	0.500	453048	4932971	1	0.00
6	6.10	PHOSPHATE	0.500	153767	2554652	1	1.35
7	7.93	SULFATE	0.500	331756	6637652	1	0.00
		Totals	2.750	3493985	33282626		

File: 96020811.D05 Sample: AUTOCAL1R - A02



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

```
==============================================================================
| Sample Name: AUTOCAL2R  - A02                 Date: Thu Feb 08 09:49:12 1996|
| Raw File   : c:\DX\DATA\9602081\96020811.D06                               |
| Method     : c:\dx\method\1anions1.met                 Calibration Level: 2 |
| ACI Address: 1       System : 1       Inject#:  6        Detector: PED-Cond.|
==============================================================================
```

********** COMPONENTS FOUND IN THIS RUN **********

COMP NUM	COMPONENT NAME	OLD RET.TIME	MEASURED RET.TIME	NEW RET.TIME	OLD RESPONSE	MEASURED RESPONSE	NEW RESPONSE

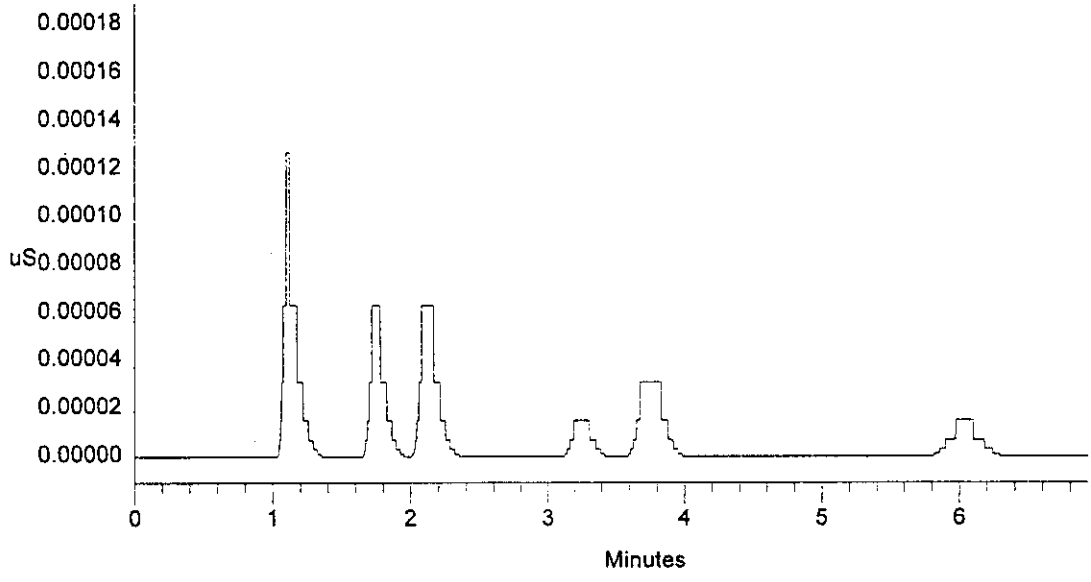
```
==============================================================================
| Sample Name: AUTOCAL2R  - A02                Date: 02/08/1996 09:49:12      |
| Data File  : c:\DX\DATA\9602081\96020811.D06                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 6   Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	20	1	2080	5Hz	0.00	6.93	30000

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

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

File: 96020811.D06 Sample: AUTOCAL2R - A02



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

Sample Name: AUTOCAL2R - A02	Date: Thu Feb 08 10:05:50 1996
Raw File : c:\DX\DATA\9602081\96020811.D07	
Method : c:\dx\method\1anions1.met	Calibration Level: 2
ACI Address: 1 System : 1 Inject#: 7	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	1.18	1.13	1.13	1.478e+007	1.458e+007	1.458e+007
2	CHLORIDE	1.82	1.77	1.77	8.931e+006	9.298e+006	9.298e+006
3	NITRITE	2.18	2.15	2.15	1.180e+007	1.197e+007	1.197e+007
4	BROMIDE	3.30	3.27	3.27	3.927e+006	3.952e+006	3.952e+006
5	NITRATE	3.83	3.77	3.77	1.007e+007	1.026e+007	1.026e+007
6	PHOSPHATE	6.10	6.03	6.03	5.112e+006	5.272e+006	5.272e+006
7	SULFATE	7.93	7.90	7.90	1.345e+007	1.372e+007	1.372e+007

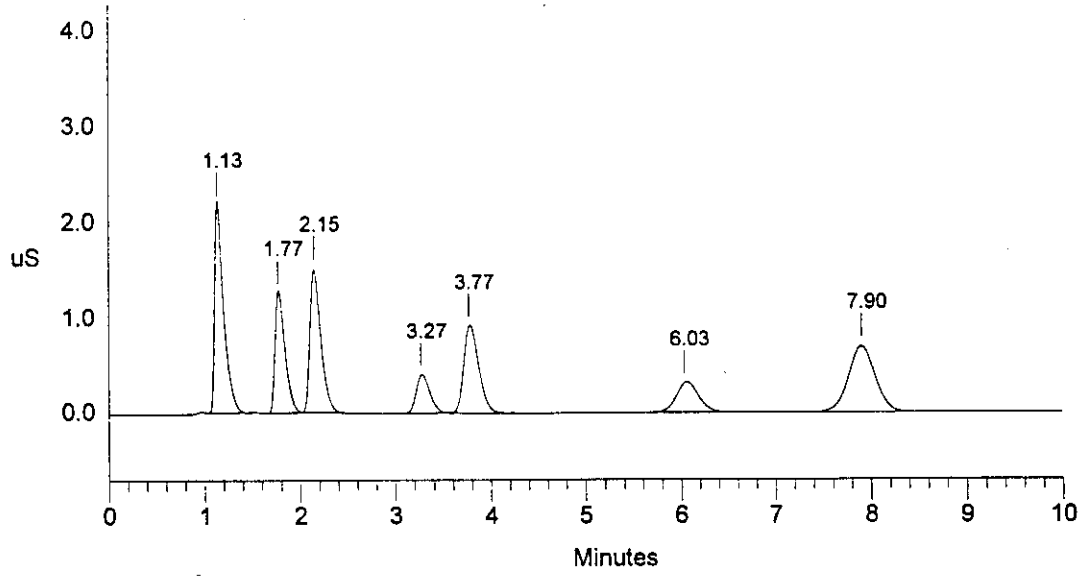
```
==============================================================================
| Sample Name: AUTOCAL2R  - A02                Date: 02/08/1996 10:05:50      |
| Data File  : c:\DX\DATA\9602081\96020811.D07                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 7   Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.13	FLUORIDE	0.500	2171652	14575896	1	-1.51
2	1.77	CHLORIDE	0.500	1260820	9297523	1	0.00
3	2.15	NITRITE	1.000	1504855	11968845	1	1.26
4	3.27	BROMIDE	0.500	400146	3952082	1	1.79
5	3.77	NITRATE	1.000	915214	10263193	1	0.00
6	6.03	PHOSPHATE	1.000	307864	5271635	1	0.66
7	7.90	SULFATE	1.000	697653	13722522	1	0.00
		Totals	5.500	7258204	69051696		

File: 96020811.D07 Sample: AUTOCAL2R - A02



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

Sample Name: AUTOCAL3R - A03	Date: Thu Feb 08 10:17:11 1996
Raw File : c:\DX\DATA\9602081\96020811.D08	
Method : c:\dx\method\1anions1.met	Calibration Level: 3
ACI Address: 1 System : 1 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	1.13	1.18	1.18	3.664e+007	3.599e+007	3.599e+007
2	CHLORIDE	1.77	1.82	1.82	2.219e+007	2.212e+007	2.212e+007
3	NITRITE	2.15	2.20	2.20	6.276e+007	6.303e+007	6.303e+007
4	BROMIDE	3.27	3.30	3.30	9.415e+006	9.397e+006	9.397e+006
5	NITRATE	3.77	3.77	3.77	5.188e+007	5.190e+007	5.190e+007
6	PHOSPHATE	6.03	6.07	6.07	2.628e+007	2.614e+007	2.614e+007
7	SULFATE	7.90	7.90	7.90	6.798e+007	6.744e+007	6.744e+007

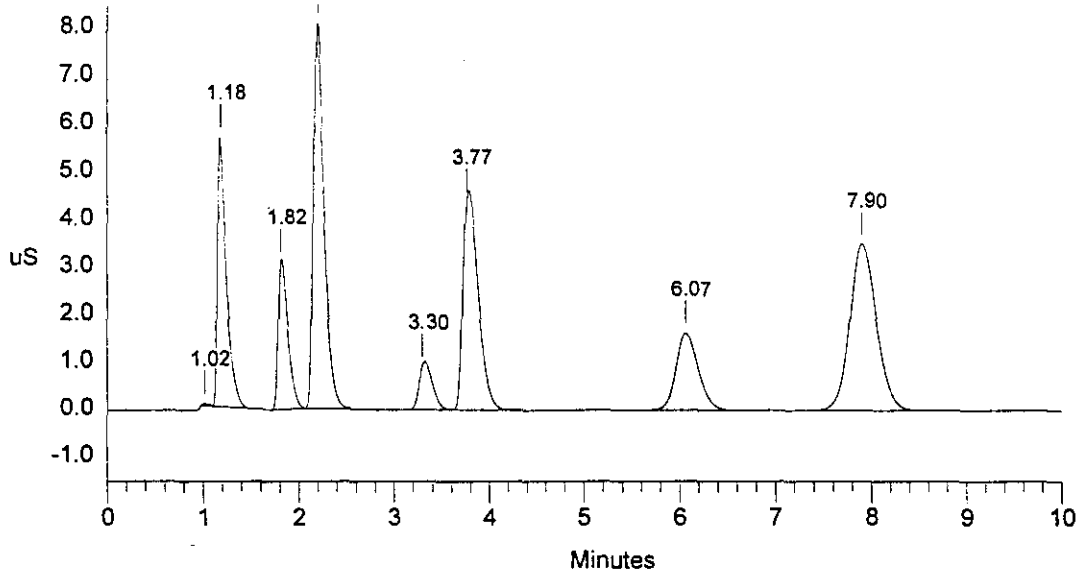
```
==============================================================================
| Sample Name: AUTOCAL3R  - A03                Date: 02/08/1996 10:17:11      |
| Data File  : c:\DX\DATA\9602081\96020811.D08                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 8   Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02		0.000	42687	199375	2	
2	1.18	FLUORIDE	1.250	5637021	35991444	2	1.54
3	1.82	CHLORIDE	1.250	3101443	22118489	1	0.00
4	2.20	NITRITE	5.000	8061329	63030672	1	-0.49
5	3.30	BROMIDE	1.250	901834	9396671	1	-1.76
6	3.77	NITRATE	5.000	4367382	51895882	1	0.00
7	6.07	PHOSPHATE	5.000	1599636	26137505	1	0.55
8	7.90	SULFATE	5.000	3468747	67438145	1	0.00
		Totals	23.750	27180079	276208183		

File: 96020811.D08 Sample: AUTOCAL3R - A03



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

Sample Name: AUTOCAL4R - A03	Date: Thu Feb 08 10:28:40 1996
Raw File : c:\DX\DATA\9602081\96020811.D09	
Method : c:\dx\method\1anions1.met	Calibration Level: 4
ACI Address: 1 System : 1 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	1.18	1.10	1.10	7.961e+007	7.844e+007	7.844e+007
2	CHLORIDE	1.82	1.75	1.75	4.821e+007	4.840e+007	4.840e+007
3	NITRITE	2.20	2.13	2.13	1.396e+008	1.389e+008	1.389e+008
4	BROMIDE	3.30	3.23	3.23	1.982e+007	2.005e+007	2.005e+007
5	NITRATE	3.77	3.67	3.67	1.152e+008	1.139e+008	1.139e+008
6	PHOSPHATE	6.07	5.97	5.97	5.729e+007	5.713e+007	5.713e+007
7	SULFATE	7.90	7.80	7.80	1.493e+008	1.484e+008	1.484e+008

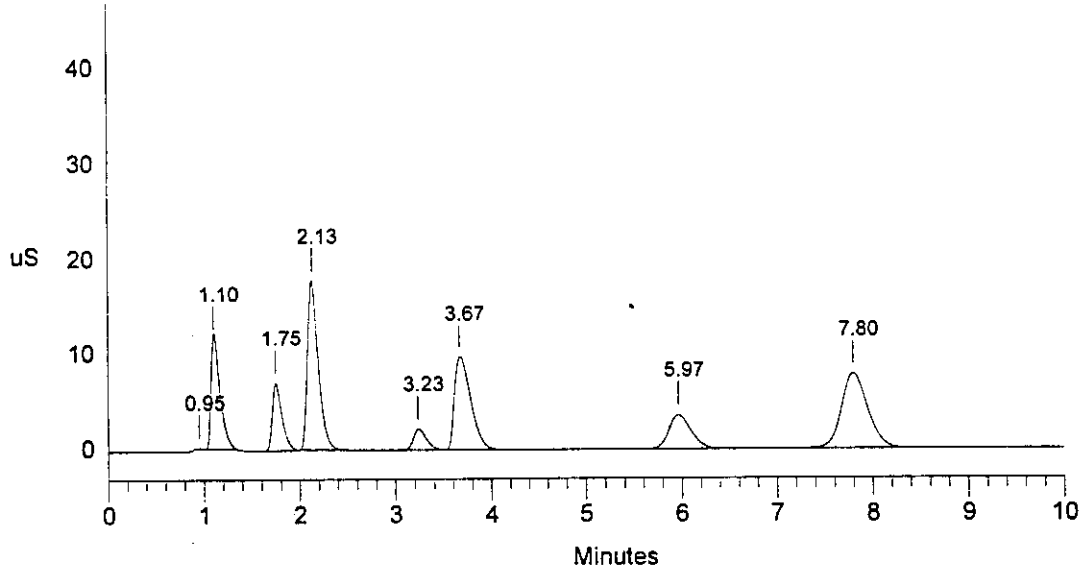
```
==============================================================================
| Sample Name: AUTOCAL4R  - A03                Date: 02/08/1996 10:28:40      |
| Data File  : c:\DX\DATA\9602081\96020811.D09                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 9   Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	20	1	3000	5Hz	0.00	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95		0.000	103375	469146	2	
2	1.10	FLUORIDE	2.500	11585285	78435806	2	-3.50
3	1.75	CHLORIDE	2.500	7023323	48400258	1	0.00
4	2.13	NITRITE	10.000	17783420	138877397	1	0.66
5	3.23	BROMIDE	2.500	2130527	20051500	1	1.71
6	3.67	NITRATE	10.000	9579023	113891295	1	0.00
7	5.97	PHOSPHATE	10.000	3521194	57130192	1	1.03
8	7.80	SULFATE	10.000	7737137	148376917	1	0.00
		Totals	47.500	59463285	605632511		

File: 96020811.D09 Sample: AUTOCAL4R - A03



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

```
==============================================================================
| Sample Name: AUTOCAL5R  - A03                  Date: Thu Feb 08 10:40:19 1996|
| Raw File   : c:\DX\DATA\9602081\96020811.D10                                |
| Method     : c:\dx\method\1anions1.met                 Calibration Level: 5 |
| ACI Address: 1       System : 1       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	1.10	1.17	1.17	1.723e+008	1.750e+008	1.750e+008
2	CHLORIDE	1.75	1.82	1.82	1.063e+008	1.083e+008	1.083e+008
3	NITRITE	2.13	2.20	2.20	2.965e+008	3.002e+008	3.002e+008
4	BROMIDE	3.23	3.27	3.27	4.140e+007	4.200e+007	4.200e+007
5	NITRATE	3.67	3.67	3.67	2.544e+008	2.585e+008	2.585e+008
6	PHOSPHATE	5.97	5.97	5.97	1.255e+008	1.271e+008	1.271e+008
7	SULFATE	7.80	7.77	7.77	3.295e+008	3.337e+008	3.337e+008

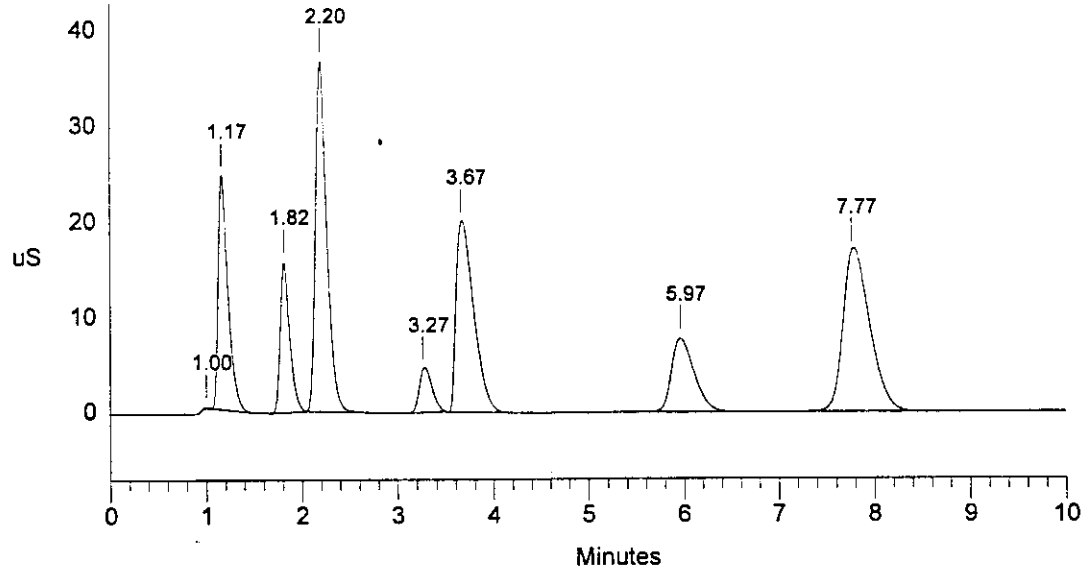
```
==============================================================================
| Sample Name: AUTOCAL5R  - A03                Date: 02/08/1996 10:40:19      |
| Data File  : c:\DX\DATA\9602081\96020811.D10                                |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 10  Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	40	1	3000	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	89825	269632	1	
2	1.17	FLUORIDE	5.000	24384380	174998636	1	2.17
3	1.82	CHLORIDE	5.000	15740463	108252330	1	0.00
4	2.20	NITRITE	20.000	36660781	300186802	1	-0.66
5	3.27	BROMIDE	5.000	4482978	41995758	1	-2.68
6	3.67	NITRATE	20.000	19885920	258510050	1	0.00
7	5.97	PHOSPHATE	20.000	7715480	127102595	1	0.00
8	7.77	SULFATE	20.000	16737063	333735425	1	0.00
		Totals	95.000	125696890	1345051227		

File: 96020811.D10 Sample: AUTOCAL5R - A03



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

```
==============================================================================
| Sample Name: AUTOCAL6R  - A03                 Date: Thu Feb 08 10:52:07 1996|
| Raw File   : c:\DX\DATA\9602081\96020811.D11                               |
| Method     : c:\dx\method\1anions1.met                 Calibration Level: 6 |
| ACI Address: 1       System : 1       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	1.17	1.12	1.12	2.763e+008	2.687e+008	2.687e+008
2	CHLORIDE	1.82	1.75	1.75	1.730e+008	1.731e+008	1.731e+008
3	NITRITE	2.20	2.15	2.15	4.560e+008	4.584e+008	4.584e+008
4	BROMIDE	3.27	3.20	3.20	6.512e+007	6.367e+007	6.367e+007
5	NITRATE	3.67	3.57	3.57	3.986e+008	4.159e+008	4.159e+008
6	PHOSPHATE	5.97	5.83	5.83	2.036e+008	2.053e+008	2.053e+008
7	SULFATE	7.77	7.67	7.67	5.351e+008	5.387e+008	5.387e+008

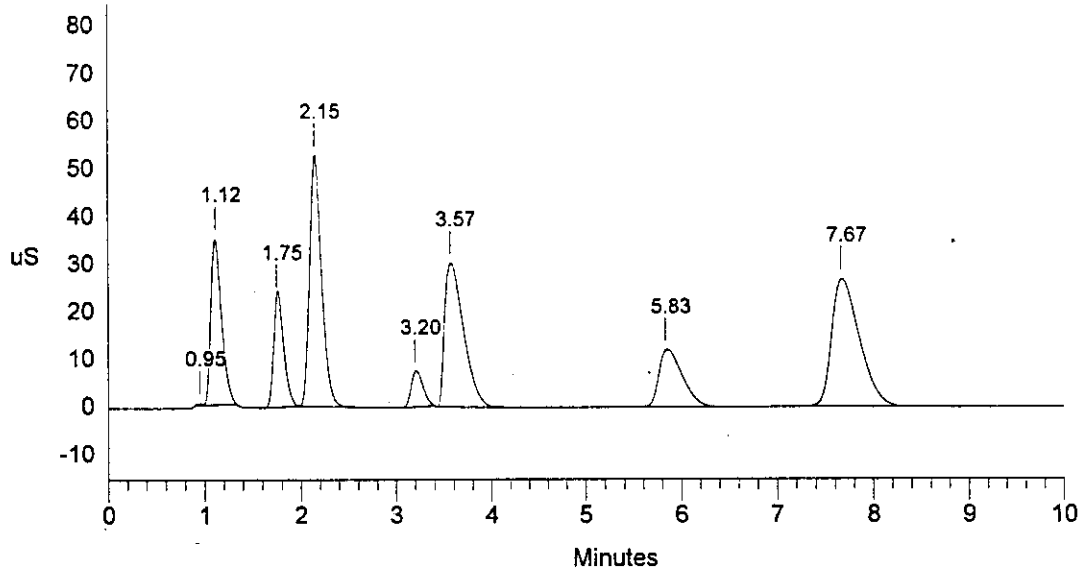
```
==========================================================================
| Sample Name: AUTOCAL6R  - A03                Date: 02/08/1996 10:52:07  |
| Data File  : c:\DX\DATA\9602081\96020811.D11                            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 11  Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	60	1	3000	5Hz	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	327530	1282857	2	
2	1.12	FLUORIDE	7.500	34650432	268671392	2	-0.64
3	1.75	CHLORIDE	7.500	23036914	173148141	1	0.00
4	2.15	NITRITE	30.000	52476900	458416254	1	1.45
5	3.20	BROMIDE	7.500	7283522	63668900	1	1.69
6	3.57	NITRATE	30.000	29945485	415929401	1	0.00
7	5.83	PHOSPHATE	30.000	11729031	205259271	1	0.51
8	7.67	SULFATE	30.000	26628359	538685075	1	0.00
		Totals	142.500	186078172	2125061291		

File: 96020811.D11 Sample: AUTOCAL6R - A03



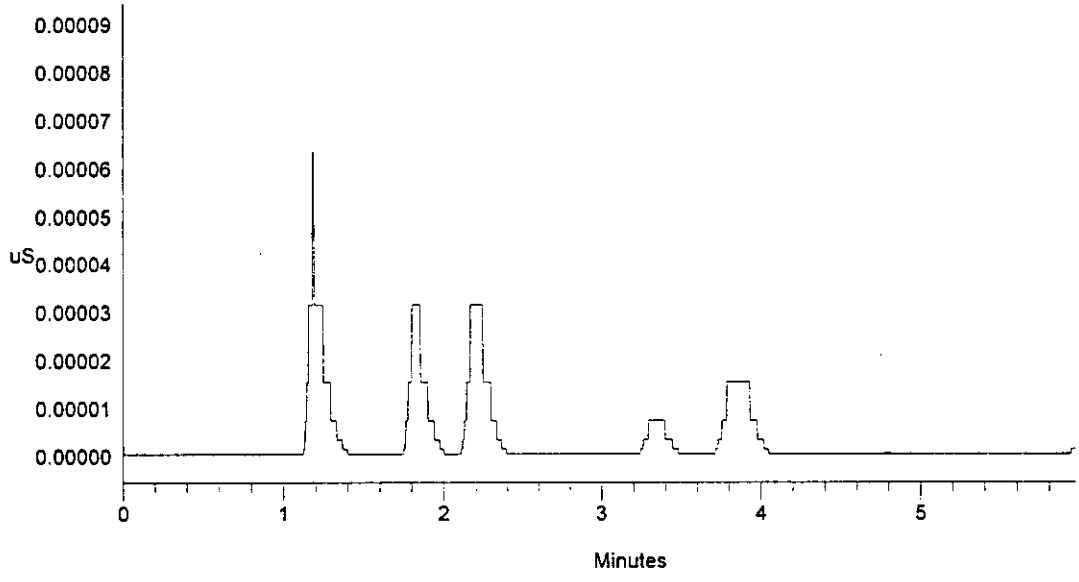
```
==============================================================================
| Sample Name: CAL CHECK #1  - A02            Date: 02/08/1996 10:59:28      |
| Data File  : c:\DX\DATA\9602081\96020811.D12                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 12  Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	1	1791	5Hz	0.00	5.97	30000	

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

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

File: 96020811.D12 Sample: CAL CHECK #1 - A02



Data Reprocessed On 02/09/1996 10:41:05

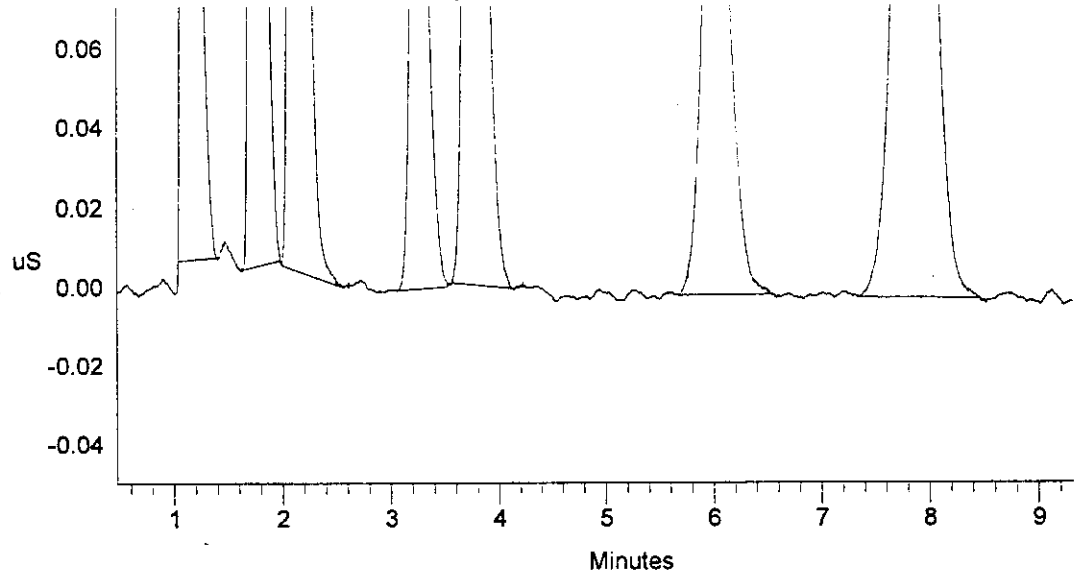
Sample Name: CAL CHECK #1 - A02	Date: 02/08/1996 11:14:26
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D13	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 13 Vial:A02	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.47	9.32	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.10	FLUORIDE	29.994	978501	6865001	1	-1.49
2	1.75	CHLORIDE	28.720	624456	4445388	1	0.00
3	2.12	NITRITE	68.342	719921	5821508	1	-1.55
4	3.27	BROMIDE	27.302	197884	1902799	1	2.08
5	3.77	NITRATE	67.101	449156	4870936	1	0.00
6	6.00	PHOSPHATE	63.052	147564	2524053	1	-2.60
7	7.87	SULFATE	65.620	335801	6579182	1	0.00
		Totals	350.133	3453283	33008867		

File: 96020811.D13 Sample: CAL CHECK #1 - A02



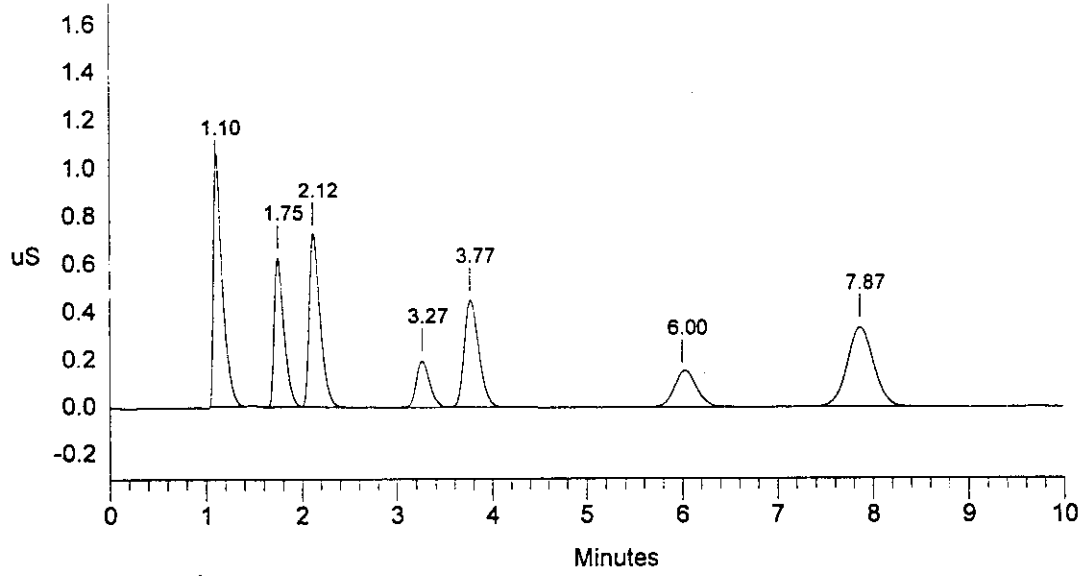
```
==============================================================================
| Sample Name: CAL CHECK #1  - A02            Date: 02/08/1996 11:14:26      |
| Data File  : c:\DX\DATA\9602081\96020811.D13                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 13  Vial:A02        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.10	FLUORIDE	2.999	978501	6865001	1	-1.49
2	1.75	CHLORIDE	2.872	624456	4445388	1	0.00
3	2.12	NITRITE	6.834	719921	5821508	1	-1.55
4	3.27	BROMIDE	2.730	197884	1902799	1	2.08
5	3.77	NITRATE	6.710	449156	4870936	1	0.00
6	6.00	PHOSPHATE	6.305	147564	2524053	1	-2.60
7	7.87	SULFATE	6.562	335801	6579182	1	0.00
		Totals	35.013	3453283	33008867		

File: 96020811.D13 Sample: CAL CHECK #1 - A02



Data Reprocessed On 02/09/1996 10:42:46

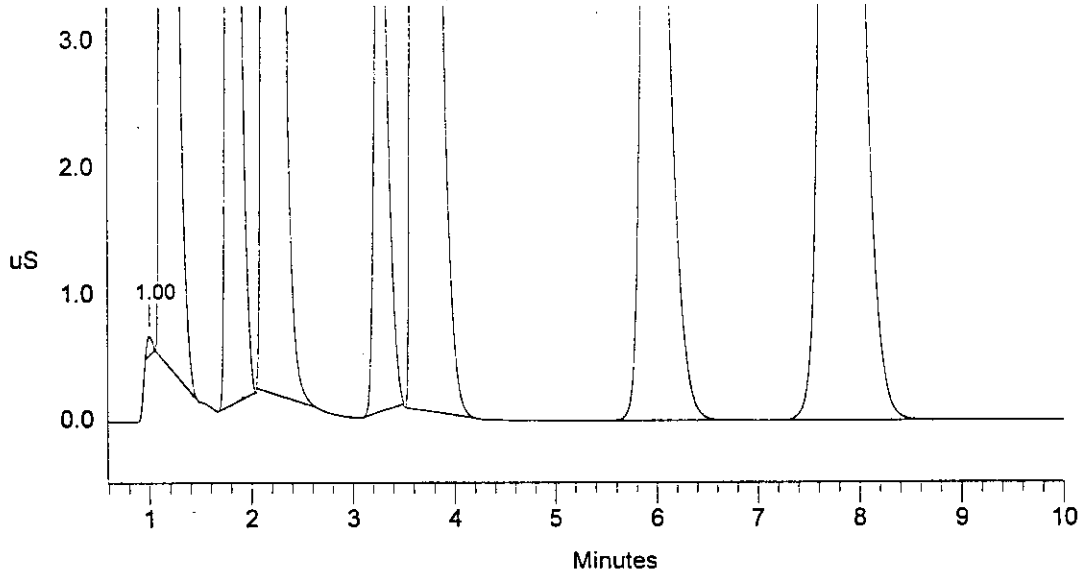
Sample Name: CAL CHECK #5 - A03	Date: 02/08/1996 11:26:00
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D14	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 14 Vial:A03	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	40	2	3000	5Hz	0.59	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	150647	536453	1	
2	1.17	FLUORIDE	25.520	24675349	175423442	1	1.58
3	1.80	CHLORIDE	25.362	14938213	108421376	1	0.00
4	2.18	NITRITE	101.457	35190149	300044486	1	-1.27
5	3.27	BROMIDE	25.397	4668775	42288231	1	-0.75
6	3.67	NITRATE	101.946	20185279	259533758	1	0.00
7	5.93	PHOSPHATE	101.007	7394122	126879022	1	-1.06
8	7.77	SULFATE	101.361	16885294	333565183	1	0.00
		Totals	482.048	124087829	1346691950		

File: 96020811.D14 Sample: CAL CHECK #5 - A03



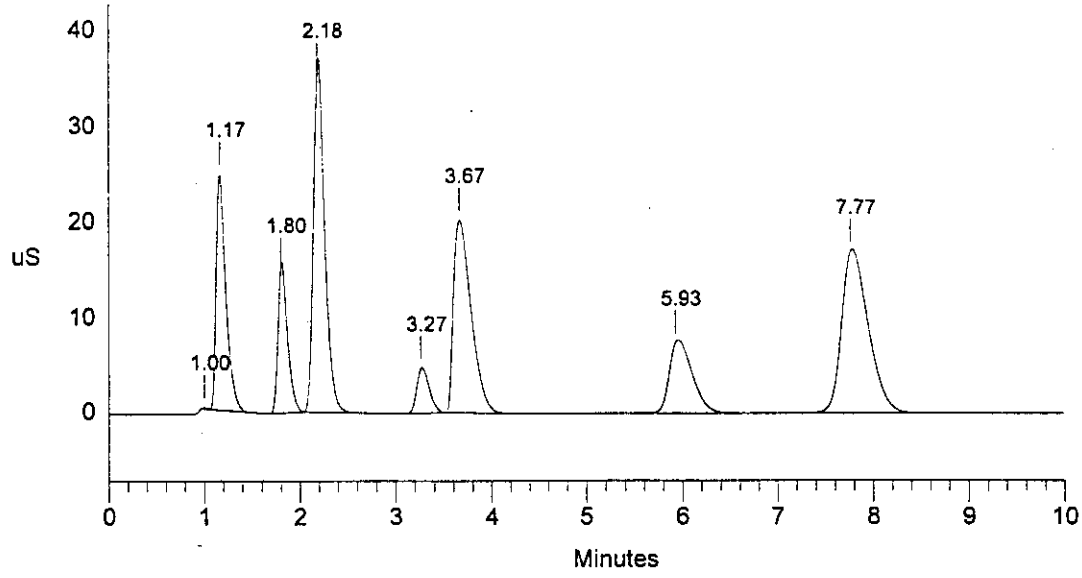
```
==============================================================================
| Sample Name: CAL CHECK #5  - A03            Date: 02/08/1996 11:26:00      |
| Data File  : c:\DX\DATA\9602081\96020811.D14                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 14  Vial:A03        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	40	1	3000	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	146699	570804	2	
2	1.17	FLUORIDE	12.781	24720927	175740508	2	1.58
3	1.80	CHLORIDE	12.681	14938213	108421376	1	0.00
4	2.18	NITRITE	50.665	35189137	299642663	1	-1.27
5	3.27	BROMIDE	12.699	4668775	42288231	1	-0.75
6	3.67	NITRATE	50.747	20132604	258190201	1	0.00
7	5.93	PHOSPHATE	50.562	7395482	127048858	1	-1.06
8	7.77	SULFATE	50.680	16885294	333565183	1	0.00
		Totals	240.815	124077132	1345467824		

File: 96020811.D14 Sample: CAL CHECK #5 - A03



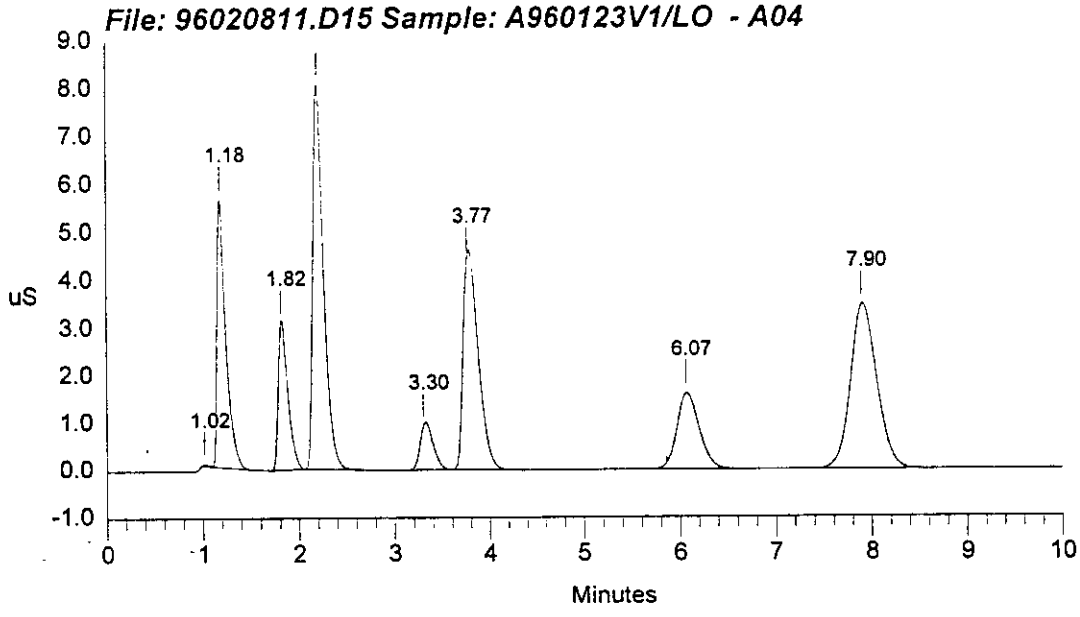
Data Reprocessed On 02/09/1996 10:44:15

Sample Name: A960123V1/LO - A04	Date: 02/08/1996 11:37:22
Data File : C:\DX\DATA\9602081\OPTZ\96020811.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 (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	37880	172287	2	
2	1.18	FLUORIDE	23.397	5609377	35690544	2	1.78
3	1.82	CHLORIDE	23.458	3091211	21966988	1	0.00
4	2.20	NITRITE	93.259	8062398	62836658	1	-1.43
5	3.30	BROMIDE	23.577	908270	9295926	1	-0.66
6	3.77	NITRATE	94.021	4397826	51826599	1	0.00
7	6.07	PHOSPHATE	95.174	1608219	26262182	1	-1.52
8	7.90	SULFATE	93.571	3457202	67066481	1	0.00
		Totals	446.457	27172383	275117664		



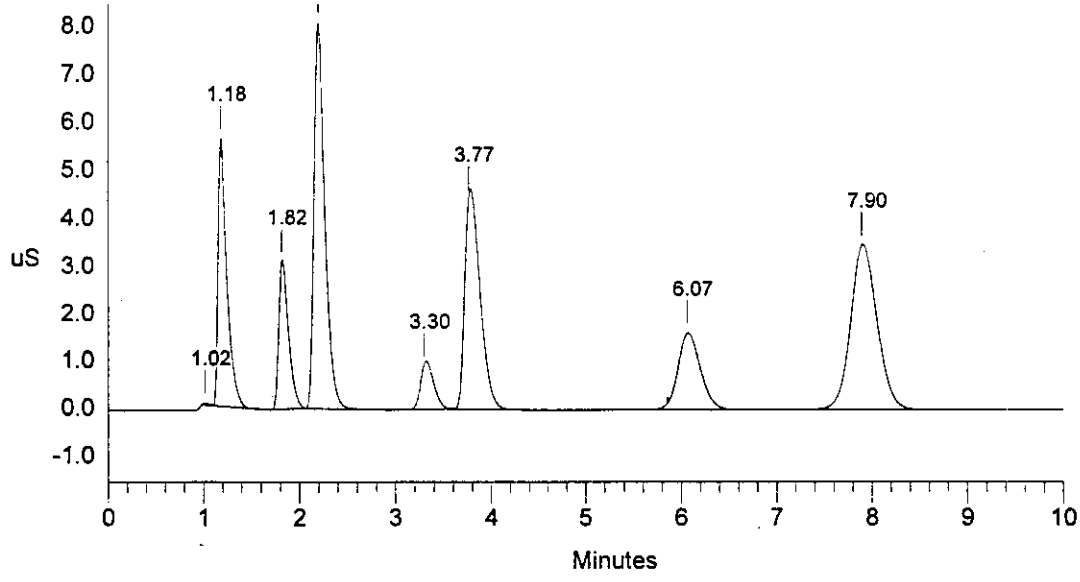
```
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/08/1996 11:37:22      |
| Data File  : c:\DX\DATA\9602081\96020811.D15                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 15  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02		0.000	37880	172287	2	
2	1.18	FLUORIDE	11.699	5609377	35690544	2	2.08
3	1.82	CHLORIDE	11.729	3091211	21966988	1	0.00
4	2.20	NITRITE	46.630	8062398	62836658	1	-1.43
5	3.30	BROMIDE	11.788	908270	9295926	1	-0.66
6	3.77	NITRATE	47.011	4397826	51826599	1	0.00
7	6.07	PHOSPHATE	47.587	1608219	26262182	1	-1.52
8	7.90	SULFATE	46.786	3457202	67066481	1	0.00
		Totals	223.229	27172383	275117664		

File: 96020811.D15 Sample: A960123V1/LO - A04



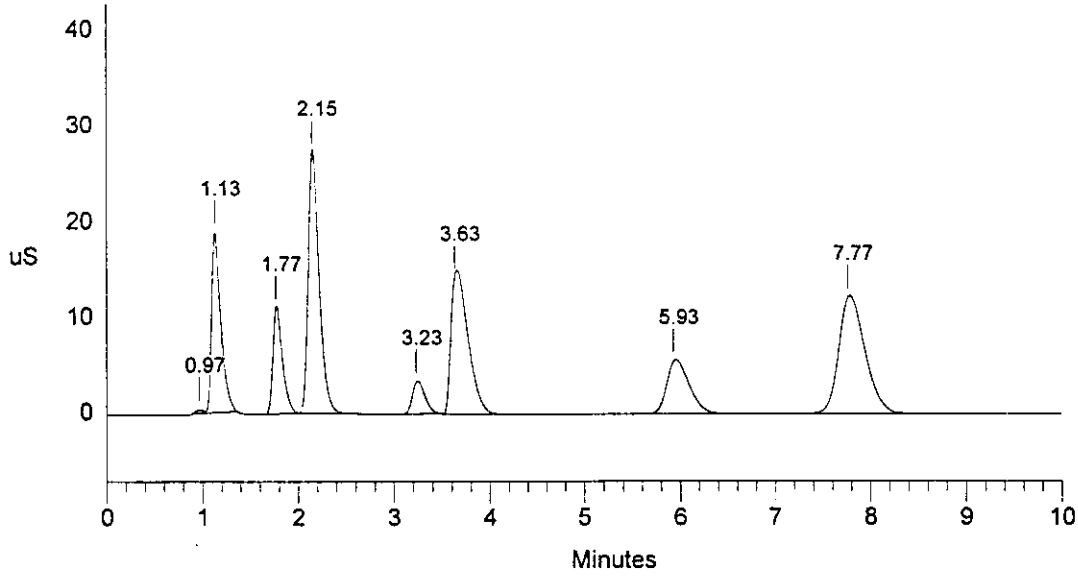
```
==============================================================================
| Sample Name: A960123V2/MID  - A04          Date: 02/08/1996 11:48:53       |
| Data File  : c:\DX\DATA\9602081\96020811.D16                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 16  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	338330	1824465	2	
2	1.13	FLUORIDE	25.006	18716732	125452432	2	0.54
3	1.77	CHLORIDE	25.007	10933097	77122260	1	0.00
4	2.15	NITRITE	100.572	27100041	218472363	1	-0.94
5	3.23	BROMIDE	24.715	3248584	30456197	1	0.09
6	3.63	NITRATE	101.197	14159040	185253312	1	0.00
7	5.93	PHOSPHATE	101.037	5423941	91534197	1	-0.15
8	7.77	SULFATE	100.156	12097272	237014377	1	0.00
		Totals	477.689	92017037	967129603		

File: 96020811.D16 Sample: A960123V2/MID - A04



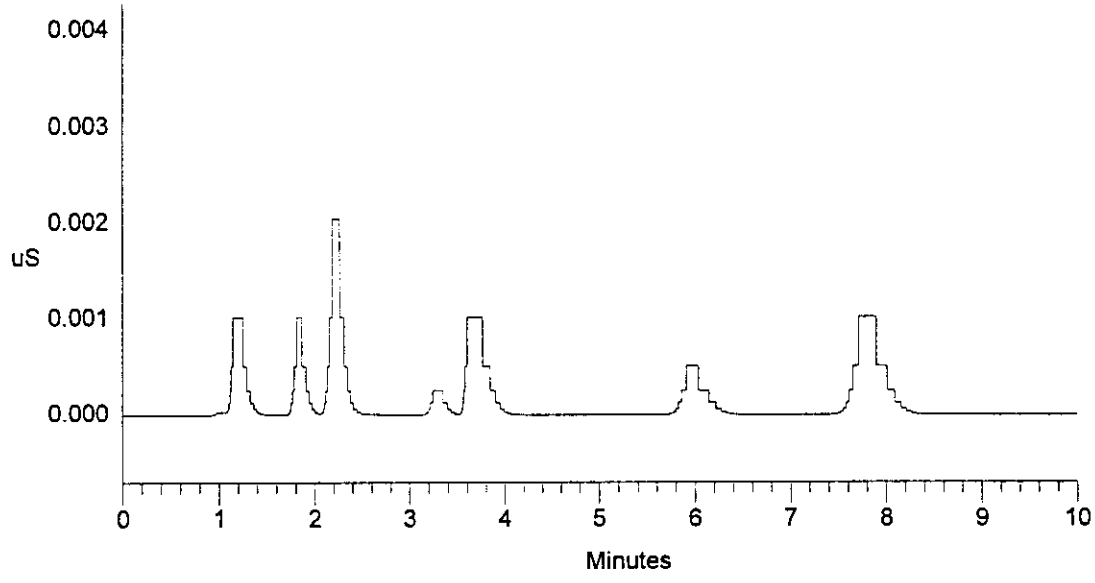
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/08/1996 12:00:33      |
| Data File  : c:\DX\DATA\9602081\96020811.D17                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 17  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	2	3000	5Hz	0.00	10.00	30000

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

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

File: 96020811.D17 Sample: A960123V3/HI - A04



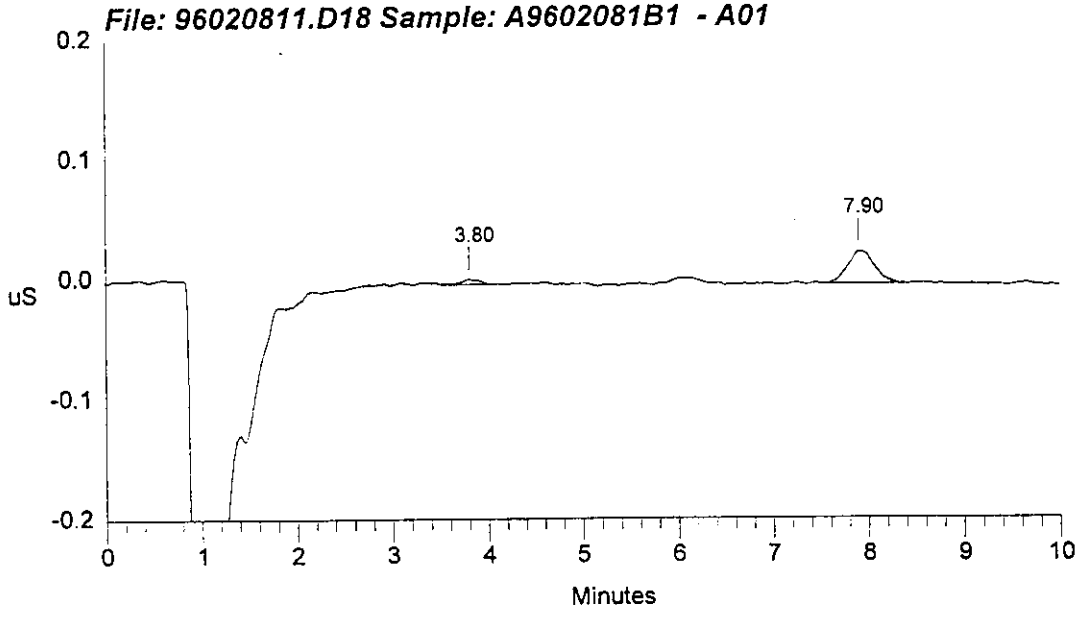
Data Reprocessed On 02/09/1996 10:49:03

Sample Name: A9602081B1 - A01	Date: 02/08/1996 12:12:39
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D18	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 18 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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	3.80	NITRATE	0.248	3862	59447	1	0.00
2	7.90	SULFATE	0.244	26649	525086	1	0.00
		Totals	0.492	30511	584532		

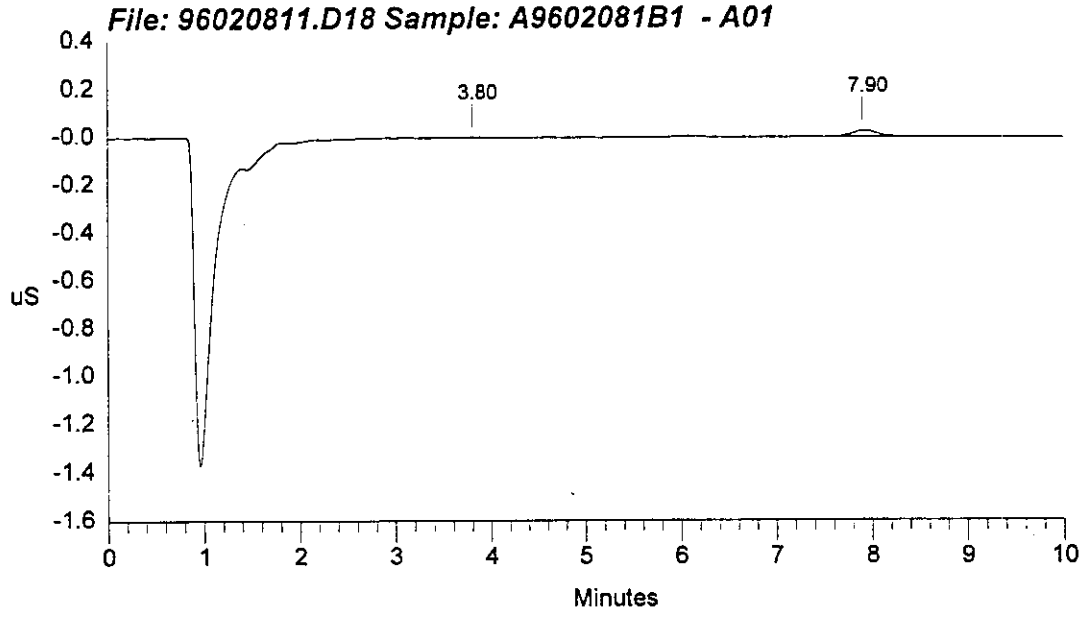


```
==============================================================================
| Sample Name: A9602081B1  - A01              Date: 02/08/1996 12:12:39      |
| Data File  : c:\DX\DATA\9602081\96020811.D18                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 18  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	3.80	NITRATE	0.251	4151	91328	1	0.00
2	7.90	SULFATE	0.244	26649	525086	1	0.00
		Totals	0.495	30800	616413		



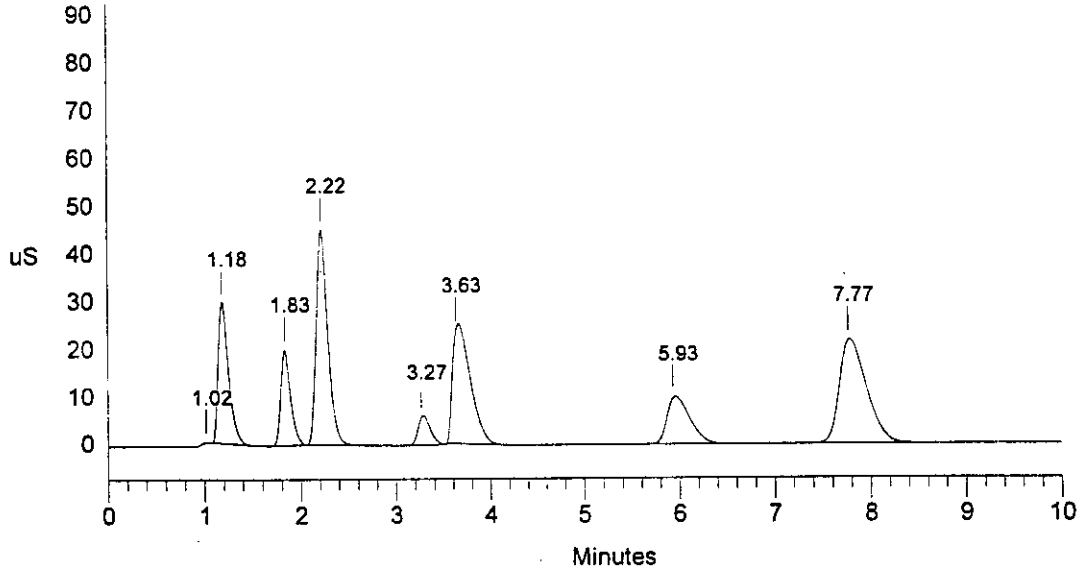
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/08/1996 12:24:18      |
| Data File  : c:\DX\DATA\9602081\96020811.D19                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 19  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	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	98449	288614	1	
2	1.18	FLUORIDE	25.216	29187278	221725672	1	1.15
3	1.83	CHLORIDE	25.223	20095438	140112736	1	0.00
4	2.22	NITRITE	100.342	44805340	377752690	1	-1.59
5	3.27	BROMIDE	25.545	5811794	53802857	1	-2.56
6	3.63	NITRATE	100.132	23720896	331861239	1	0.00
7	5.93	PHOSPHATE	101.434	9618595	166409012	1	-0.15
8	7.77	SULFATE	100.809	21744593	433013283	1	0.00
		Totals	478.702	155082384	1724966102		

File: 96020811.D19 Sample: A960123V3/HI - A04



Data Reprocessed On 02/09/1996 10:52:50

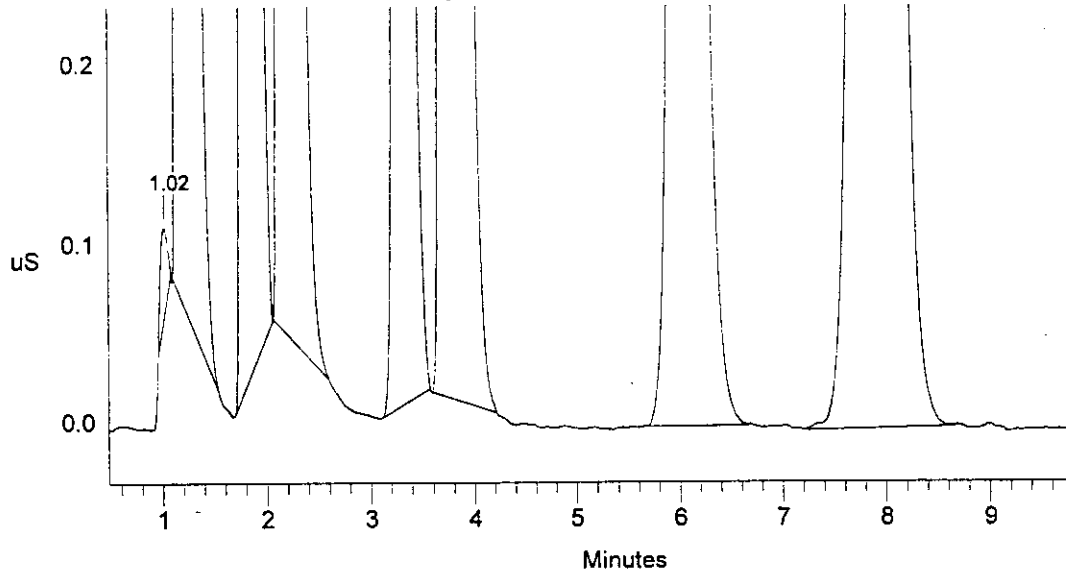
Sample Name: SPK CHECK960207 - A05	Date: 02/08/1996 12:35:39
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D20	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 20 Vial:A05	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	10	3000	5Hz	0.48	9.73	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.02		0.000	50717	248621	1	
2	1.18	FLUORIDE	193.319	9740855	61546699	1	2.08
3	1.82	CHLORIDE	187.865	5219565	36407422	1	0.00
4	2.18	NITRITE	468.523	7751969	63159243	1	-2.18
5	3.30	BROMIDE	191.004	1590634	15334178	1	-0.66
6	3.77	NITRATE	488.138	4768660	53977223	1	0.00
7	6.07	PHOSPHATE	482.016	1642247	26623898	1	-1.52
8	7.90	SULFATE	470.316	3484690	67444957	1	0.00
		Totals	2481.181	34249336	324742240		

File: 96020811.D20 Sample: SPK CHECK960207 - A05



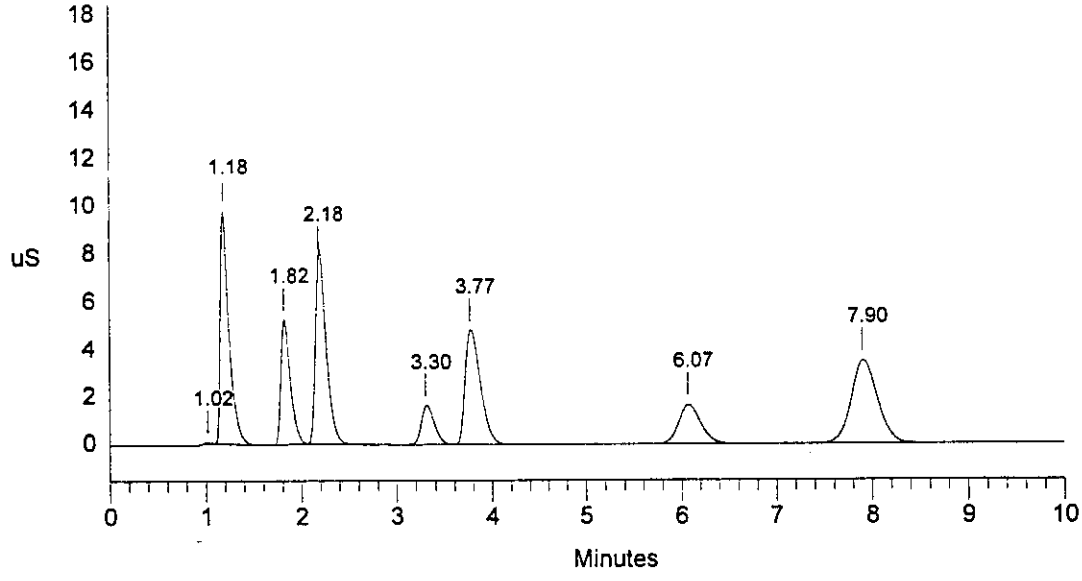
```
==============================================================================
| Sample Name: SPK CHECK960207  - A05          Date: 02/08/1996 12:35:39      |
| Data File  : c:\DX\DATA\9602081\96020811.D20                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 20  Vial:A05        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	10	3000	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	35723	173910	2	
2	1.18	FLUORIDE	193.970	9754524	61769459	2	2.08
3	1.82	CHLORIDE	187.396	5216515	36309977	1	0.00
4	2.18	NITRITE	466.809	7751059	62911008	1	-2.18
5	3.30	BROMIDE	190.453	1589280	15288433	1	-0.66
6	3.77	NITRATE	487.399	4768478	53888966	1	0.00
7	6.07	PHOSPHATE	482.724	1642714	26665552	1	-1.52
8	7.90	SULFATE	469.302	3482678	67289050	1	0.00
		Totals	2478.053	34240970	324296355		

File: 96020811.D20 Sample: SPK CHECK960207 - A05



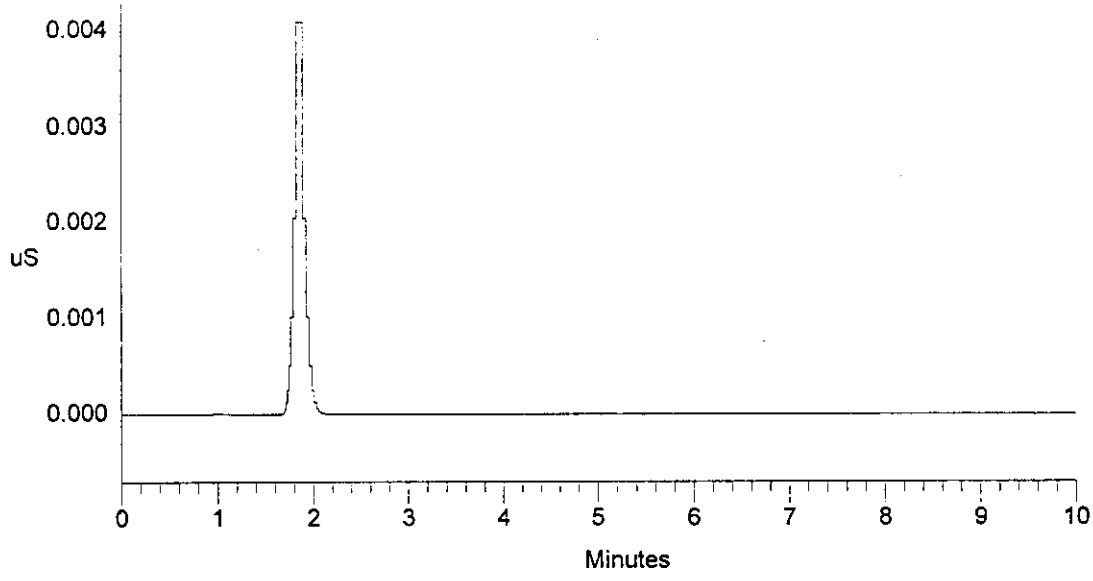
```
==============================================================================
| Sample Name: 96-3059/314 SW  - A09          Date: 02/08/1996 12:46:55      |
| Data File  : c:\DX\DATA\9602081\96020811.D21                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 21  Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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

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

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

File: 96020811.D21 Sample: 96-3059/314 SW - A09



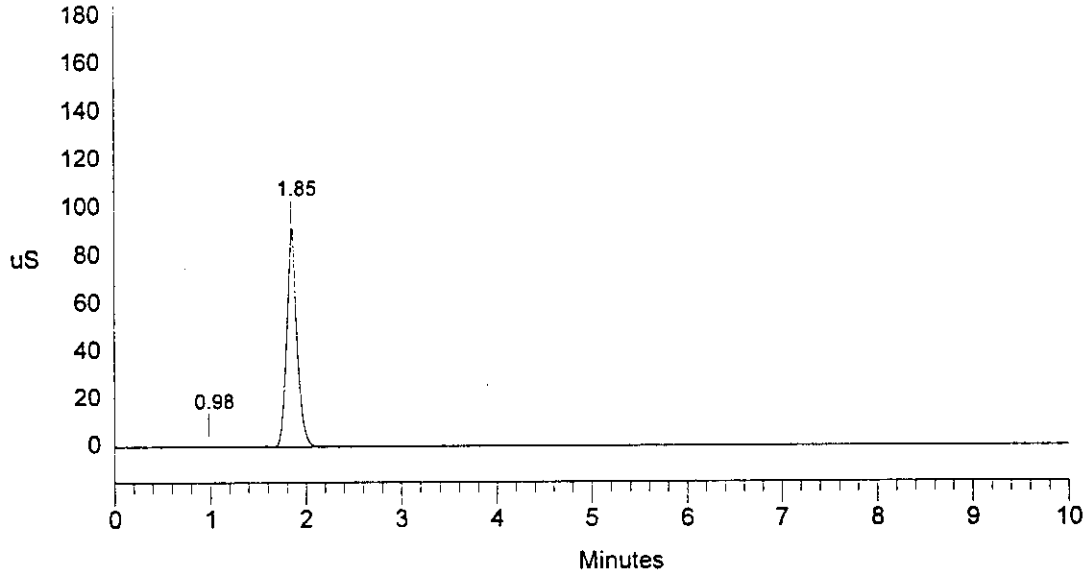
```
==============================================================================
| Sample Name: 96-3059/314 SW  - A09          Date: 02/08/1996 12:58:12      |
| Data File  : c:\DX\DATA\9602081\96020811.D22                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 22  Vial:A09        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10	3000	5Hz	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	163152	1999633	1	
2	1.85	CHLORIDE	11164.781	89436954	679842906	1	0.00
		Totals	11164.781	89600106	681842539		

File: 96020811.D22 Sample: 96-3059/314 SW - A09



Data Reprocessed On 02/09/1996 12:56:25

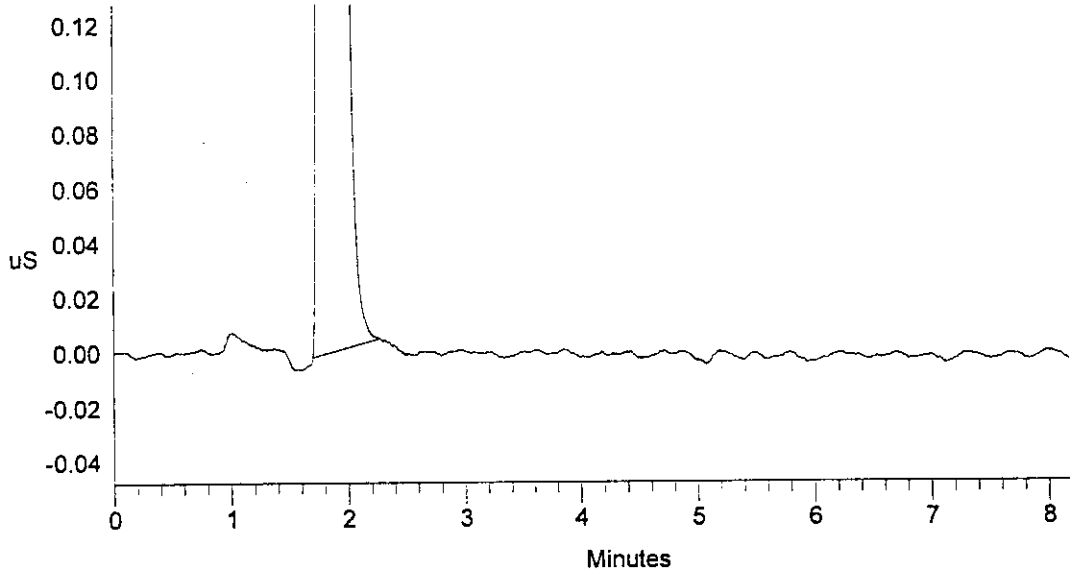
Sample Name: 96-3059/314 SW - A12	Date: 02/08/1996 13:09:28
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D23	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 23 Vial:A12	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	100	3000	5Hz	0.00	8.17	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.82	CHLORIDE	25572.701	7354505	50734003	1	0.00
		Totals	25572.701	7354505	50734003		

File: 96020811.D23 Sample: 96-3059/314 SW - A12



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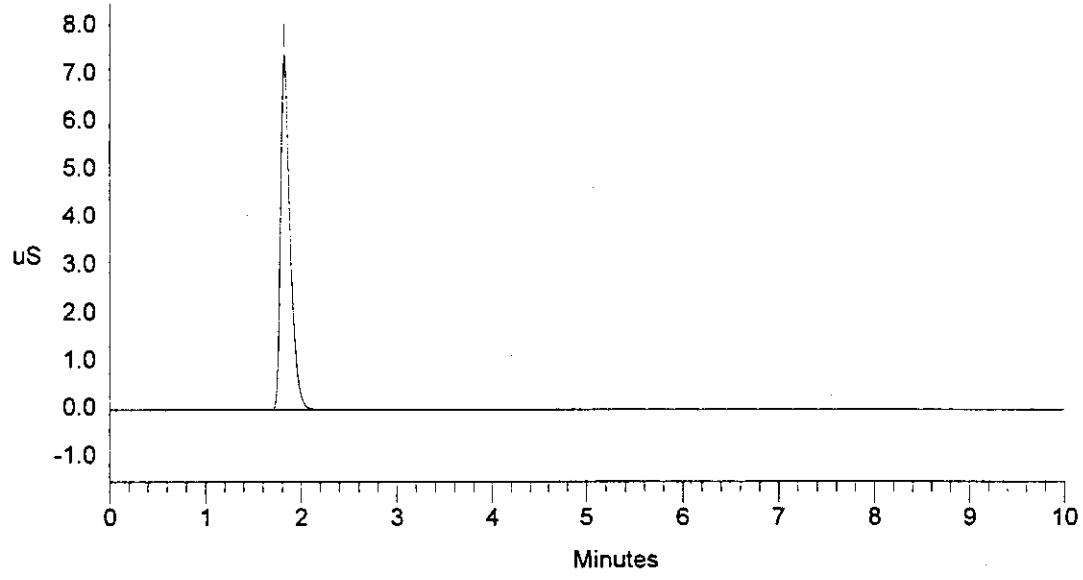
==============================================================================
| Sample Name: 96-3059/314 SW  - A12          Date: 02/08/1996 13:09:28      |
| Data File  : c:\DX\DATA\9602081\96020811.D23                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 23  Vial:A12        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	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	1.82	CHLORIDE	25646.309	7355835	50891926	1	0.00
		Totals	25646.309	7355835	50891926		

File: 96020811.D23 Sample: 96-3059/314 SW - A12



Data Reprocessed On 02/09/1996 12:58:43

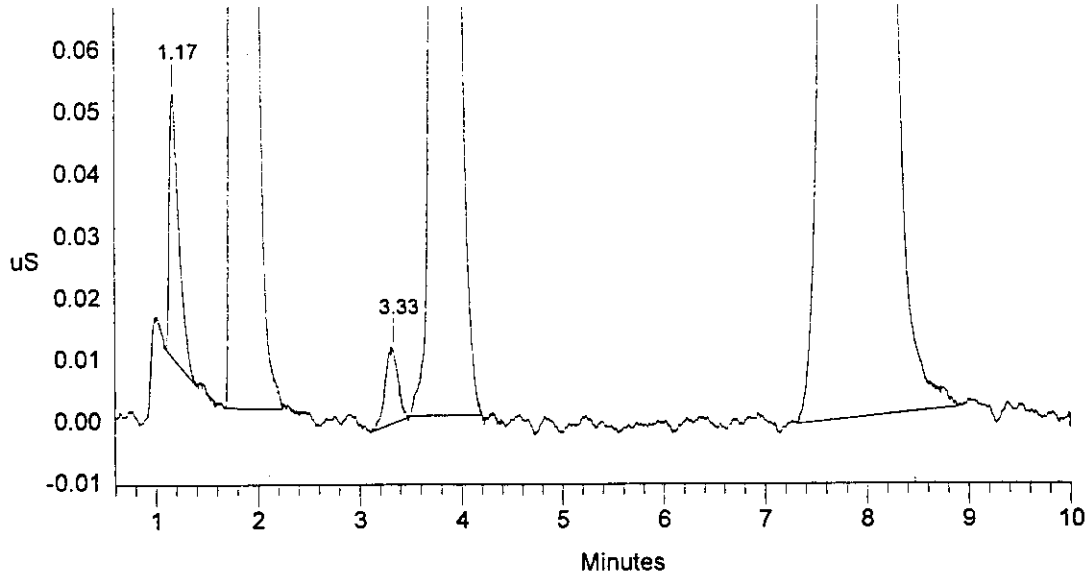
Sample Name:	96-2968/314 EAST WATER - A10 Date: 02/08/1996 13:20:43
Data File :	C:\DX\DATA\9602081\OPTZ\96020811.D24
Method :	c:\dx\method\1anions1.met
ACI Address:	1 System: 1 Inject#: 24 Vial:A10 Detector:PED-Cond.
Analyst :	MMO Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3000	5Hz	0.59	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	9.817	42023	271901	1	1.58
2	1.80	CHLORIDE	157.283	4150749	30095325	1	0.00
3	3.33	BROMIDE	5.144	11604	108689	1	1.27
4	3.80	NITRATE	97.331	729526	8322351	1	0.00
5	7.87	SULFATE	511.612	3721974	73813142	1	0.00
		Totals	781.187	8655875	112611409		

File: 96020811.D24 Sample: 96-2968/314 EAST WATER - A10



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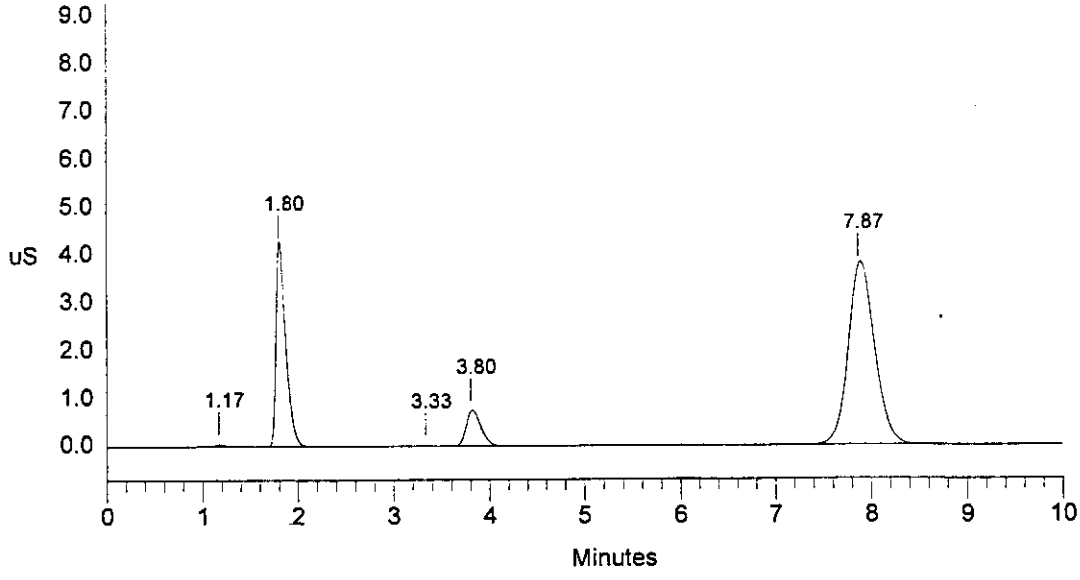
==============================================================================
| Sample Name: 96-2968/314 EAST WATER  - A10  Date: 02/08/1996 13:20:43      |
| Data File  : c:\DX\DATA\9602081\96020811.D24                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 24  Vial:A10        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.17	FLUORIDE	10.228	46696	405928	1	1.58
2	1.80	CHLORIDE	157.303	4150771	30099364	1	0.00
3	3.33	BROMIDE	5.144	11604	108689	1	1.27
4	3.80	NITRATE	97.331	729526	8322351	1	0.00
5	7.87	SULFATE	511.612	3721974	73813142	1	0.00
		Totals	781.618	8660570	112749475		

File: 96020811.D24 Sample: 96-2968/314 EAST WATER - A10



Data Reprocessed On 02/09/1996 13:02:11

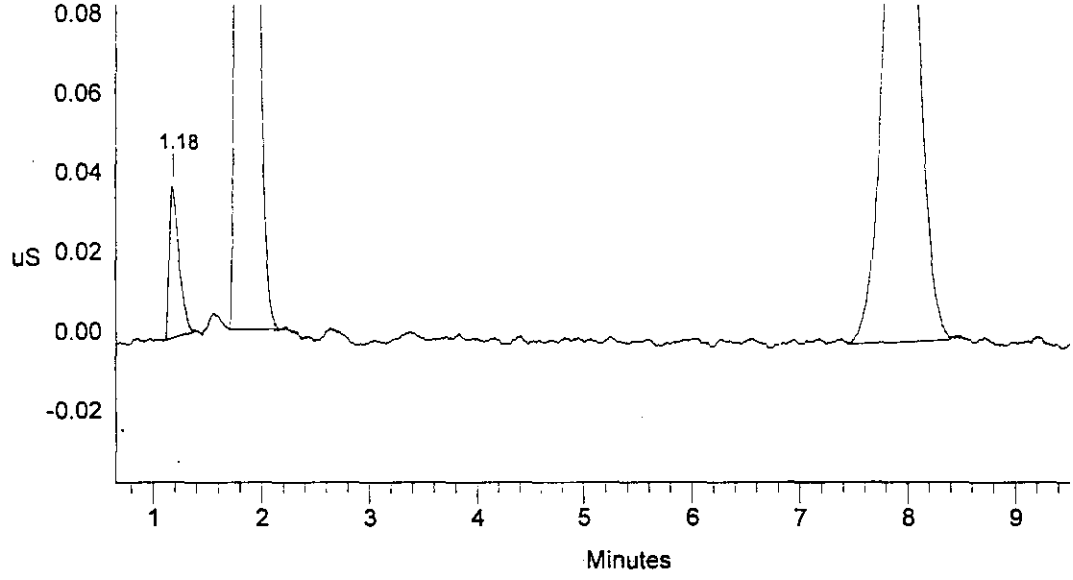
Sample Name: 96-2969/PIT WATER A - A11	Date: 02/08/1996 13:31:37
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D25	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 25 Vial:A11	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2886	5Hz	0.66	9.51	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.18	FLUORIDE	9.693	37870	231522	1	2.08
2	1.82	CHLORIDE	63.358	1568471	11222501	1	0.00
3	7.93	SULFATE	45.574	185401	3633274	1	0.00
		Totals	118.625	1791742	15087297		

File: 96020811.D25 Sample: 96-2969/PIT WATER A - A11



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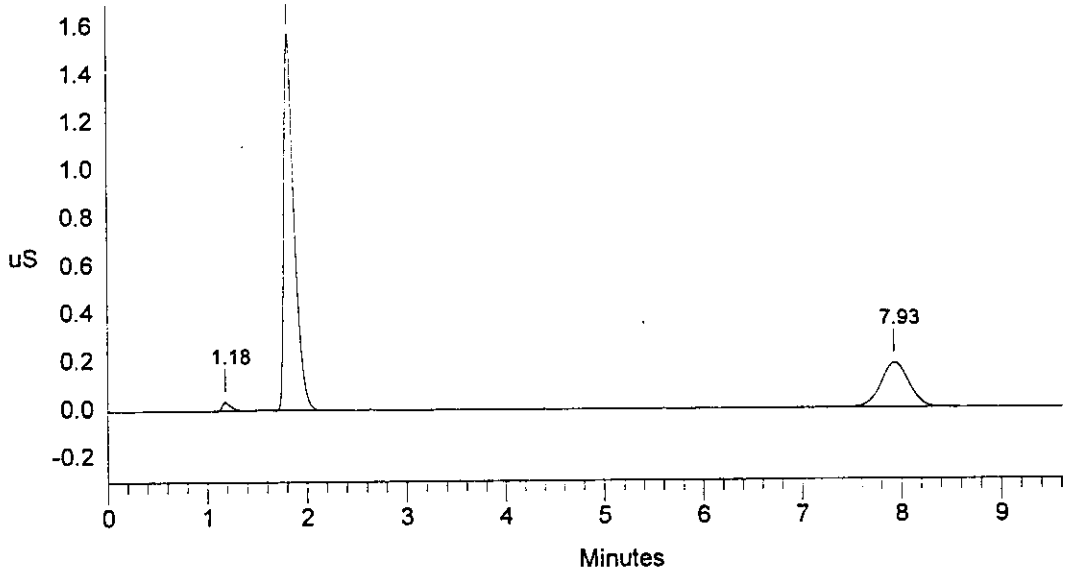
==============================================================================
| Sample Name: 96-2969/PIT WATER A  - A11     Date: 02/08/1996 13:31:37      |
| Data File  : c:\DX\DATA\9602081\96020811.D25                              |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 25  Vial:A11        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)           |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	2886	5Hz	0.00	9.62	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.18	FLUORIDE	9.646	36323	216237	1	2.08
2	1.82	CHLORIDE	63.354	1568455	11221637	1	0.00
3	7.93	SULFATE	45.782	185729	3663854	1	0.00
		Totals	118.782	1790507	15101729		

File: 96020811.D25 Sample: 96-2969/PIT WATER A - A11



Data Reprocessed On 02/09/1996 13:05:09

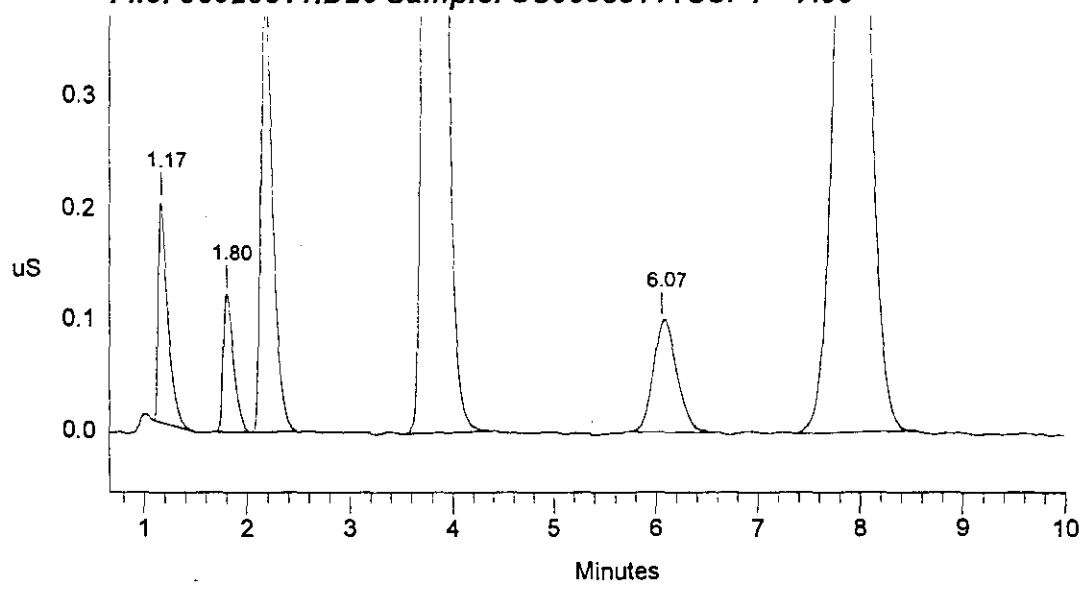
Sample Name: SC95083111CSP1 - A06	Date: 02/08/1996 13:44:43
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D26	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 26 Vial:A06	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	100	3000	5Hz	0.66	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	1284.209	194888	1258297	1	1.58
2	1.80	CHLORIDE	1026.843	120716	873016	1	0.00
3	2.18	NITRITE	4951.506	394275	3154459	1	-1.27
4	3.80	NITRATE	21662.902	2010521	22051927	1	0.00
5	6.07	PHOSPHATE	4726.245	96960	1636744	1	-2.39
6	7.90	SULFATE	14569.043	928035	18408556	1	0.00
		Totals	48220.748	3745396	47382999		

File: 96020811.D26 Sample: SC95083111CSP1 - A06



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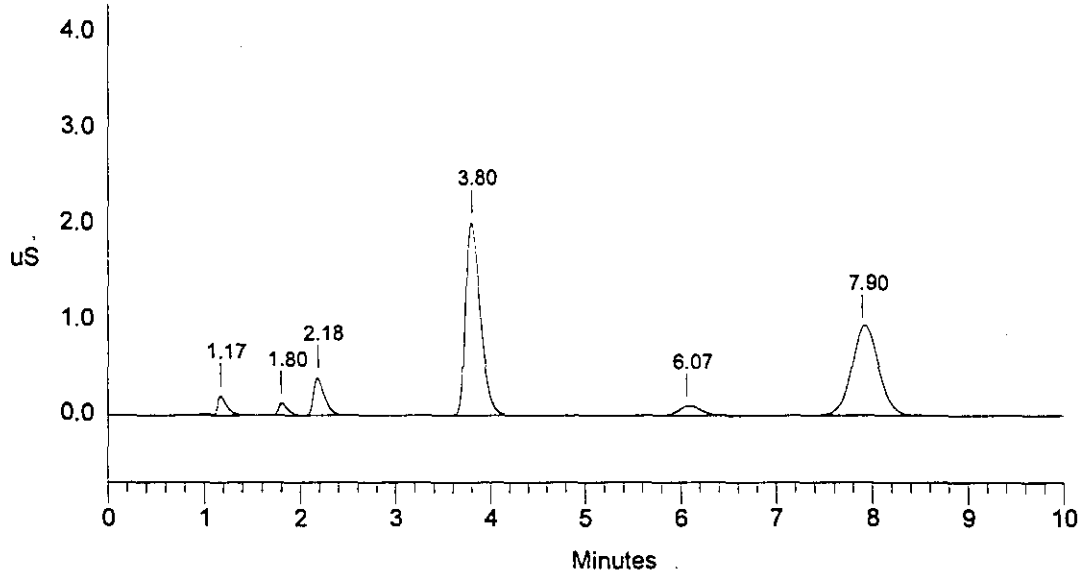
==============================================================================
| Sample Name: SC95083111CSP1  - A06          Date: 02/08/1996 13:44:43      |
| Data File  : c:\DX\DATA\9602081\96020811.D26                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 26  Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	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	1.17	FLUORIDE	1367.133	204354	1528791	1	1.58
2	1.80	CHLORIDE	1026.843	120716	873016	1	0.00
3	2.18	NITRITE	4951.506	394275	3154459	1	-1.27
4	3.80	NITRATE	21713.955	2011127	22111062	1	0.00
5	6.07	PHOSPHATE	4813.048	97500	1685486	1	-2.39
6	7.90	SULFATE	14652.278	929461	18532058	1	0.00
		Totals	48524.763	3757432	47884872		

File: 96020811.D26 Sample: SC95083111CSP1 - A06



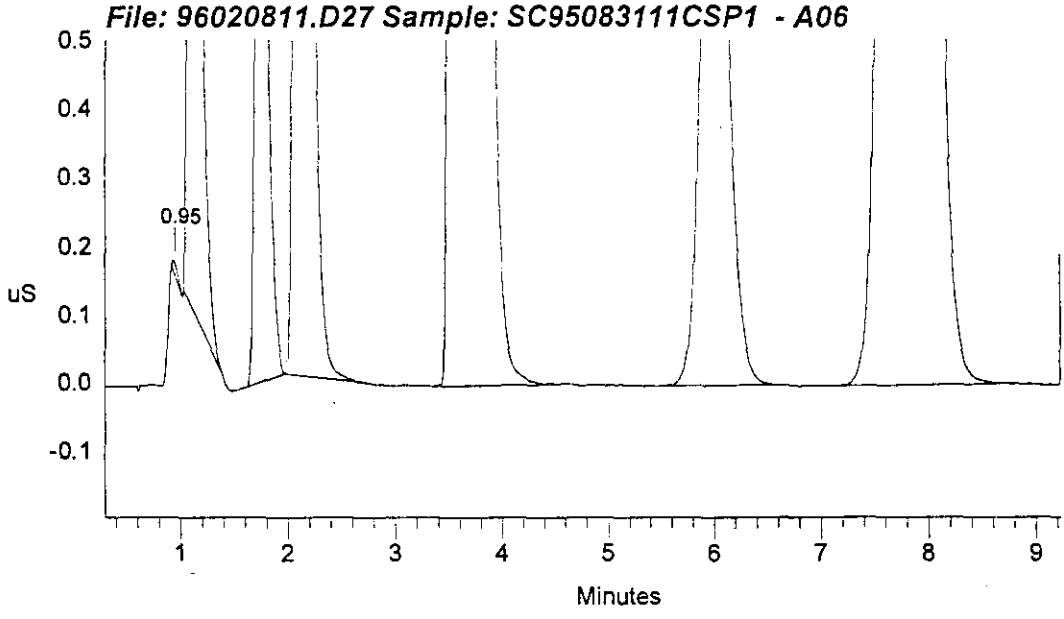
Data Reprocessed On 02/09/1996 13:25:31

Sample Name: SC95083111CSP1 - A06	Date: 02/08/1996 13:55:24
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D27	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 27 Vial:A06	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	10	100	2769	5Hz	0.30	9.23	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95		0.000	18329	66093	1	
2	1.10	FLUORIDE	504.824	2126052	13594690	1	-0.55
3	1.73	CHLORIDE	519.672	1243091	8983354	1	0.00
4	2.12	NITRITE	2771.798	4511356	35587278	1	-0.60
5	3.60	NITRATE	22137.824	22089570	286004826	1	0.00
6	6.00	PHOSPHATE	3458.738	1158026	18671330	1	1.90
7	7.77	SULFATE	14360.753	11834808	225389132	1	0.00
		Totals	43753.608	42981231	588296702		



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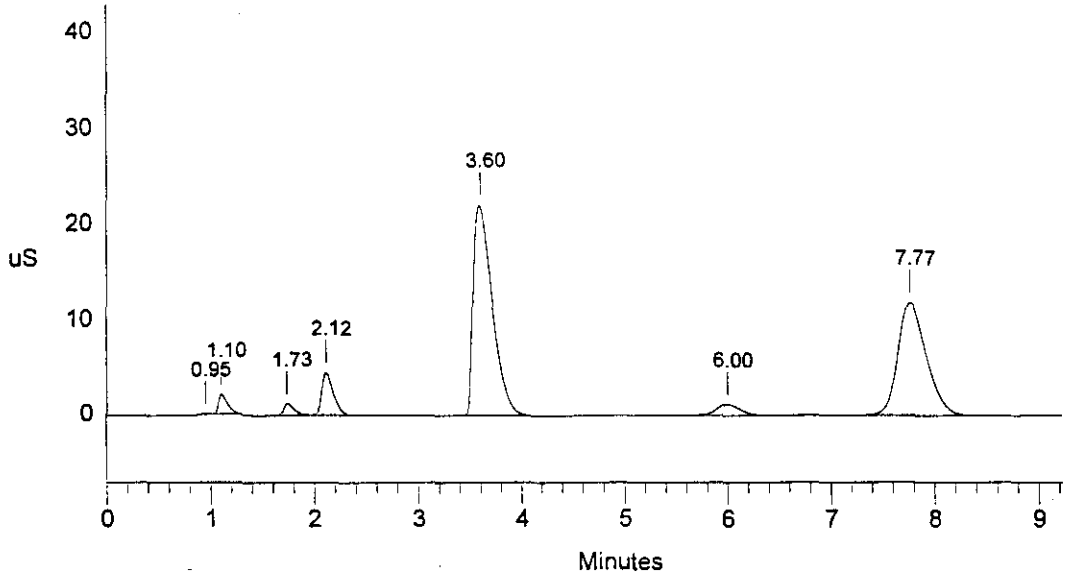
==========================================================================
| Sample Name: SC95083111CSP1  - A06          Date: 02/08/1996 13:55:24    |
| Data File  : c:\DX\DATA\9602081\96020811.D27                            |
| Method     : c:\dx\method\1anions1.met                                  |
| ACI Address: 1  System: 1  Inject#: 27  Vial:A06        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)         |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	100	2769	5Hz	0.00	9.23	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.95		0.000	51282	234614	2	
2	1.10	FLUORIDE	483.000	2110621	12876136	2	-0.55
3	1.73	CHLORIDE	518.639	1242229	8963091	1	0.00
4	2.12	NITRITE	2769.504	4510351	35554396	1	-0.60
5	3.60	NITRATE	22136.585	22089420	285985770	1	0.00
6	6.00	PHOSPHATE	3460.440	1158184	18681196	1	1.90
7	7.77	SULFATE	14360.753	11834808	225389132	1	0.00
		Totals	43728.920	42996894	587684335		

File: 96020811.D27 Sample: SC95083111CSP1 - A06



Data Reprocessed On 02/09/1996 16:30:12

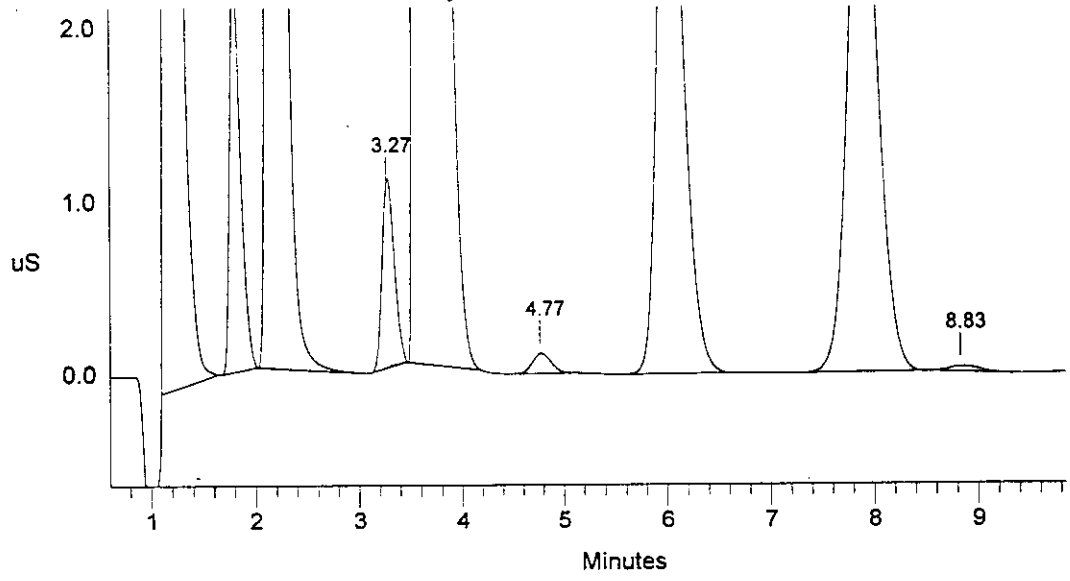
Sample Name: 96-2619/FLD-BLK.F - A07	Date: 02/08/1996 14:09:00
Data File : C:\DX\DATA\9602081\96020811.D28	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 28 Vial:A07	Detector:PED-Cond.
Analyst : MMO Column: AG4A/AS4A-SC (10196/12484)	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	100	1	3000	5Hz	0.61	9.85	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.17	FLUORIDE	5.280	27910452	182106065	1	1.58
2	1.80	CHLORIDE	0.914	2345963	16788729	1	0.00
3	2.18	NITRITE	12.402	22174589	177460357	1	-1.27
4	3.27	BROMIDE	1.152	1031672	9078618	1	-0.75
5	3.63	NITRATE	28.270	28678338	386657797	1	0.00
6	4.77		0.000	115032	1501740	1	
7	6.00	PHOSPHATE	11.021	3836014	64514498	1	0.97
8	7.90	SULFATE	4.667	3473472	66893487	1	0.00
9	8.83		0.000	29934	643241	1	
		Totals	63.707	89595465	905644533		

File: 96020811.D28 Sample: 96-2619/FLD-BLK.F - A07



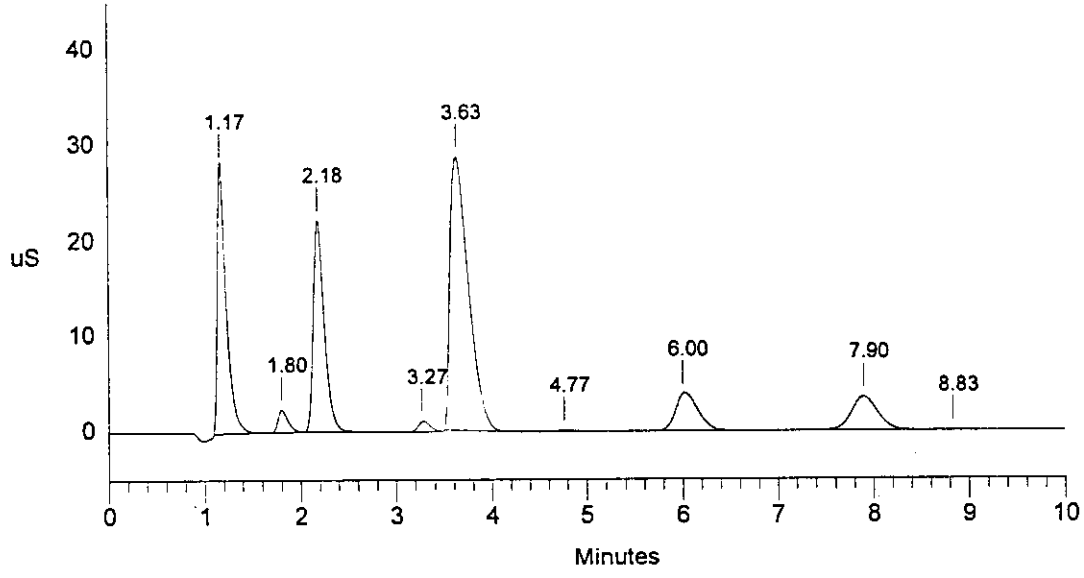
```
==============================================================================
| Sample Name: 96-2619/FLD-BLK.F  - A07        Date: 02/08/1996 14:09:00      |
| Data File  : c:\DX\DATA\9602081\96020811.D28                                |
| Method     : c:\dx\method\1anions1.met                                       |
| ACI Address: 1  System: 1  Inject#: 28  Vial:A07        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)             |
==============================================================================
```

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	FLUORIDE	5.280	27910452	182106065	1	1.58
2	1.80	CHLORIDE	0.914	2345963	16788730	1	0.00
3	2.18	NITRITE	12.402	22174589	177460357	1	-1.27
4	3.27	BROMIDE	1.152	1031672	9078618	1	-0.75
5	3.63	NITRATE	28.061	28536498	382991720	1	0.00
6	4.77		0.000	118918	1768895	1	
7	6.00	PHOSPHATE	11.037	3837000	64614019	1	0.97
8	7.90	SULFATE	4.667	3473472	66893487	1	0.00
9	8.83		0.000	29934	643241	1	
		Totals	63.514	89458497	902345132		

File: 96020811.D28 Sample: 96-2619/FLD-BLK.F - A07



Data Reprocessed On 02/28/1996 13:16:48

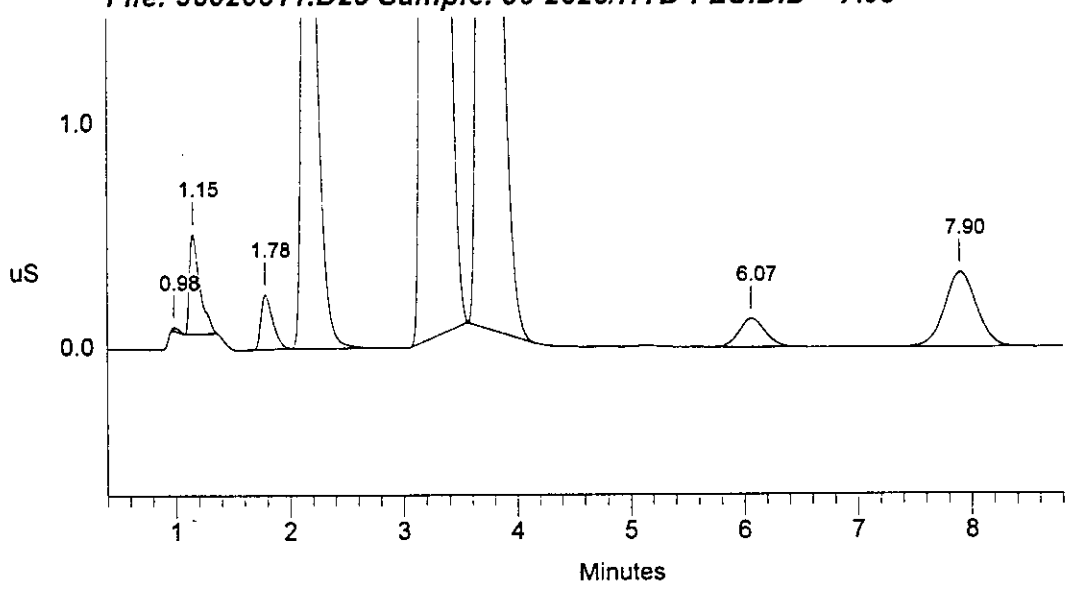
Sample Name: 96-2620/HYD-FLUID.D - A08	Date: 02/08/1996 14:20:17
Data File : L:\IAG\IC\ICDATA\OPTIMIZE\9602081\96020811.D29	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 29 Vial:A08	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	10	3000	5Hz	0.40	8.80	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	0.98		0.000	13666	69510	1	
2	1.15	FLUORIDE	177.578	446950	2862604	1	0.76
3	1.78	CHLORIDE	148.943	245939	1766183	1	0.00
4	2.15	NITRITE	2281.454	3455474	28568109	1	-1.87
5	3.23	BROMIDE	19565.343	19513147	188337811	1	-0.85
6	3.73	NITRATE	6063.639	5998867	68190513	1	0.00
7	6.07	PHOSPHATE	547.937	128293	2059787	1	3.91
8	7.90	SULFATE	661.786	336317	6661295	1	0.00
		Totals	29446.681	30138653	298515811		

File: 96020811.D29 Sample: 96-2620/HYD-FLUID.D - A08



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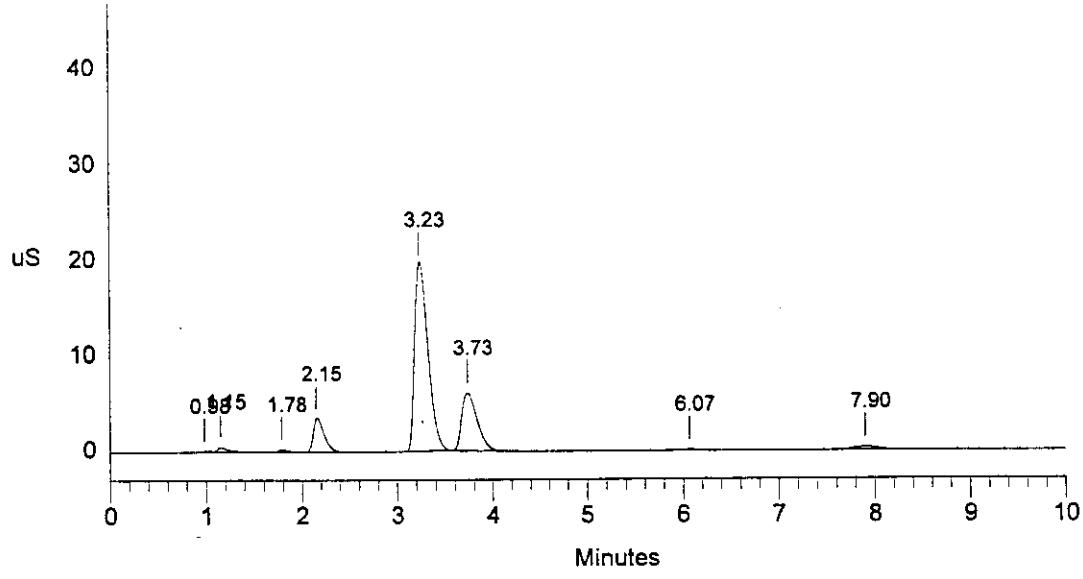
==============================================================================
| Sample Name: 96-2620/HYD-FLUID.D  - A08     Date: 02/08/1996 14:20:17      |
| Data File  : c:\DX\DATA\9602081\96020811.D29                              |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 29  Vial:A08        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10	3000	5Hz	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	35953	208178	2	
2	1.15	FLUORIDE	203.773	474097	3718348	2	1.06
3	1.78	CHLORIDE	148.943	245939	1766183	1	0.00
4	2.15	NITRITE	2281.454	3455474	28568109	1	-1.87
5	3.23	BROMIDE	19482.790	19489091	187352161	1	-0.85
6	3.73		0.000	5995875	67933051	1	
7	6.07		0.000	129041	2104138	1	
8	7.90	SULFATE	661.786	336317	6661295	1	0.00
		Totals	22778.746	30161787	298311461		

File: 96020811.D29 Sample: 96-2620/HYD-FLUID.D - A08



Data Reprocessed On 02/09/1996 16:44:35

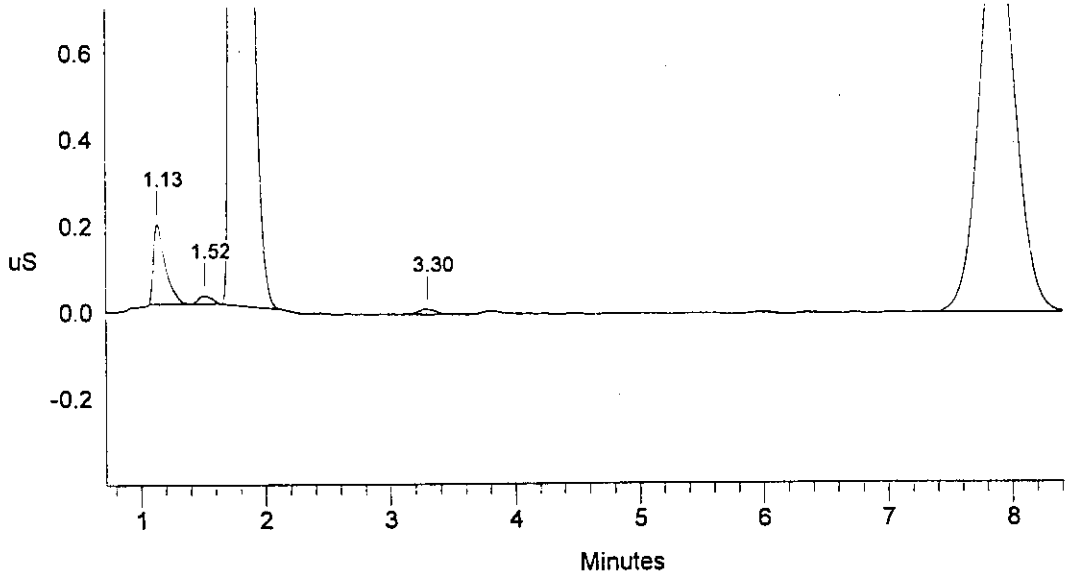
Sample Name: 96-2969/PIT WATER A - A11		Date: 02/08/1996 14:31:38	
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D30			
Method : c:\dx\method\1anions1.met			
ACI Address: 1 System: 1	Inject#: 30 Vial:A11		Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)		

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	5	1	3000	5Hz	0.72	8.41	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.13	FLUORIDE	2.548	185967	1225164	1	-0.40
2	1.52		0.000	18280	141103	1	
3	1.78	CHLORIDE	60.796	9135027	61208377	1	0.00
4	3.30	BROMIDE	1.058	11636	120480	1	1.20
5	7.87	SULFATE	29.317	941761	18541441	1	0.00
		Totals	93.720	10292671	81236565		

File: 96020811.D30 Sample: 96-2969/PIT WATER A - A11



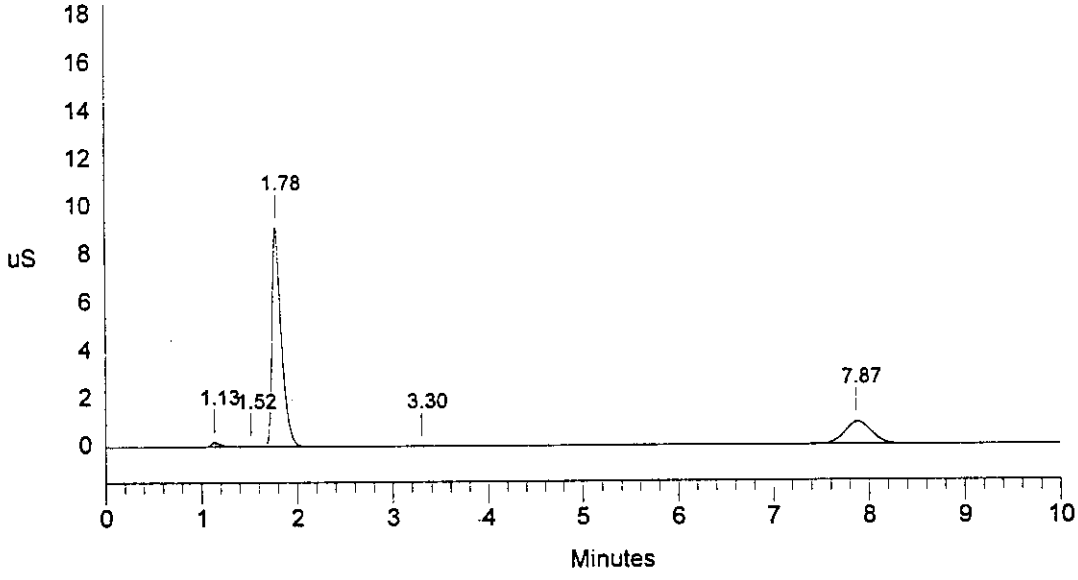
```
==============================================================================
| Sample Name: 96-2969/PIT WATER A  - A11     Date: 02/08/1996 14:31:38      |
| Data File  : c:\DX\DATA\9602081\96020811.D30                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 30  Vial:A11        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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	1.13	FLUORIDE	2.548	185967	1225164	1	-0.40
2	1.52		0.000	18280	141103	1	
3	1.78	CHLORIDE	60.858	9136113	61275925	1	0.00
4	3.30	BROMIDE	1.058	11636	120480	1	1.20
5	7.87	SULFATE	29.317	941761	18541441	1	0.00
		Totals	93.781	10293756	81304113		

File: 96020811.D30 Sample: 96-2969/PIT WATER A - A11



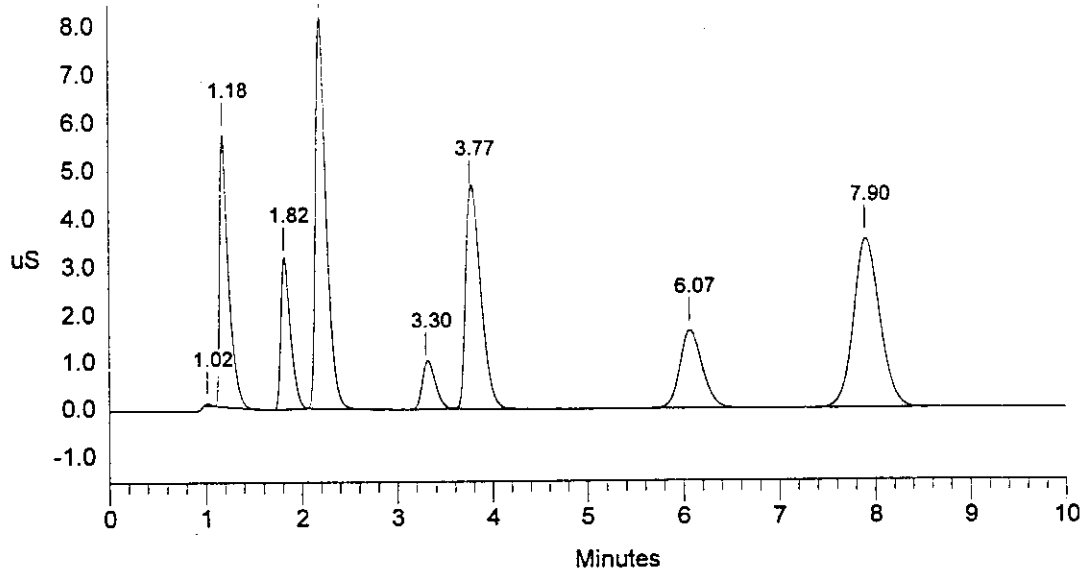
```
==============================================================================
| Sample Name: A960123V1/LO  - A04            Date: 02/08/1996 14:42:58      |
| Data File  : c:\DX\DATA\9602081\96020811.D31                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 31  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	10	2	3000	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	41232	188295	2	
2	1.18	FLUORIDE	23.796	5684364	36358894	2	2.08
3	1.82	CHLORIDE	23.778	3138408	22290393	1	0.00
4	2.20	NITRITE	94.181	8170954	63504489	1	-1.43
5	3.30	BROMIDE	24.146	941382	9529617	1	-0.66
6	3.77	NITRATE	95.321	4526556	52600894	1	0.00
7	6.07	PHOSPHATE	96.566	1642103	26671690	1	-1.52
8	7.90	SULFATE	95.212	3540014	68328810	1	0.00
		Totals	453.000	27685015	279473083		

File: 96020811.D31 Sample: A960123V1/LO - A04



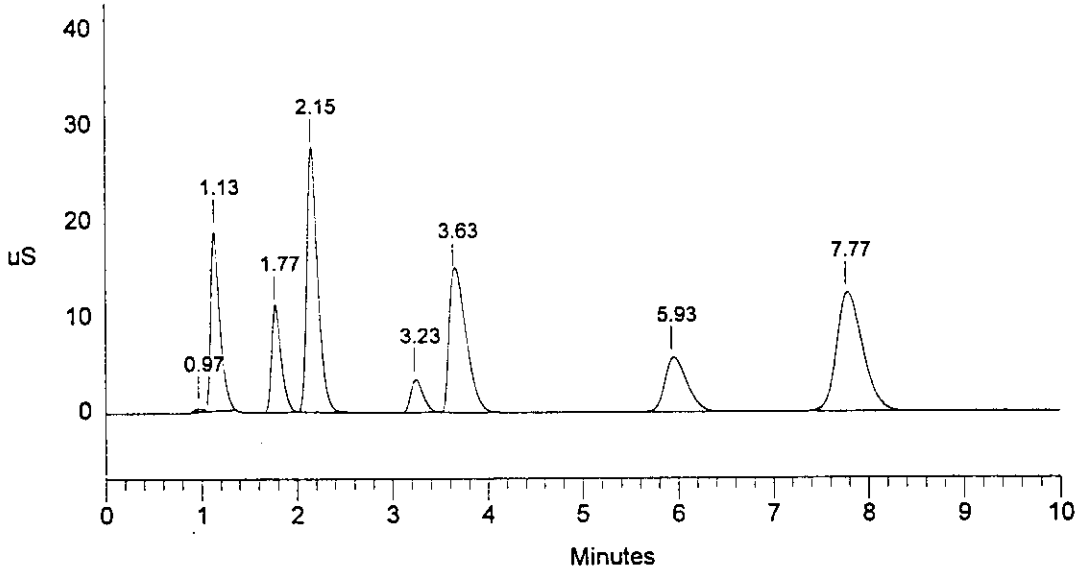
```
==============================================================================
| Sample Name: A960123V2/MID  - A04          Date: 02/08/1996 14:54:32       |
| Data File  : c:\DX\DATA\9602081\96020811.D32                               |
| Method     : c:\dx\method\1anions1.met                                     |
| ACI Address: 1  System: 1  Inject#: 32  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	30	2	3000	5Hz	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	341623	1824475	2	
2	1.13	FLUORIDE	25.024	18720960	125548196	2	0.54
3	1.77	CHLORIDE	25.082	10886183	77378622	1	0.00
4	2.15	NITRITE	100.871	27176732	219162203	1	-0.94
5	3.23	BROMIDE	24.815	3273419	30585102	1	0.09
6	3.63	NITRATE	101.639	14277009	186161106	1	0.00
7	5.93	PHOSPHATE	101.267	5465240	91766209	1	-0.15
8	7.77	SULFATE	100.497	12215401	237915785	1	0.00
		Totals	479.194	92356567	970341698		

File: 96020811.D32 Sample: A960123V2/MID - A04



Data Reprocessed On 02/09/1996 10:57:23

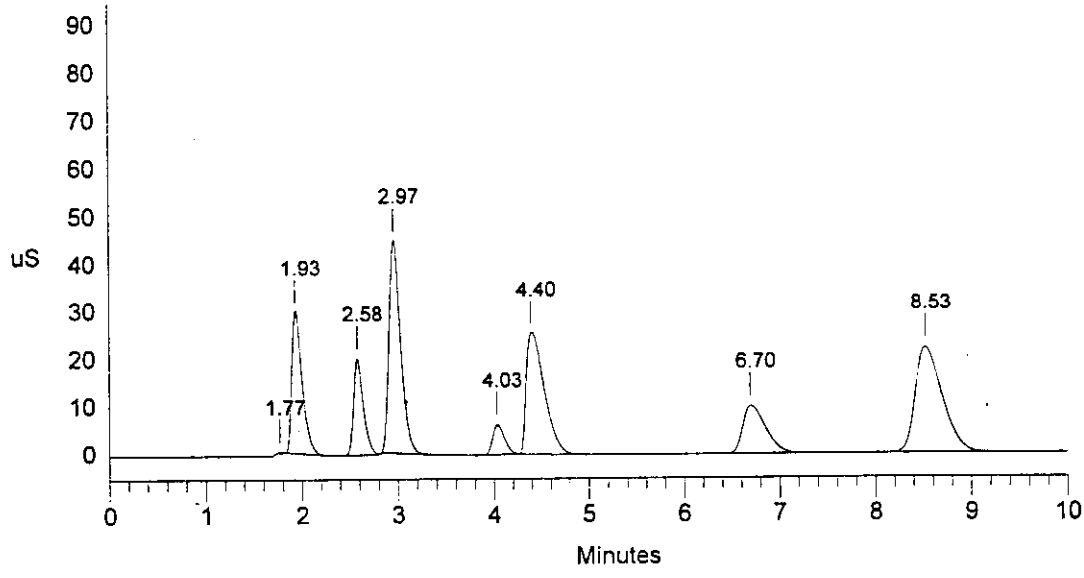
Sample Name: A960123V3/HI - A04	Date: 02/08/1996 15:06:11
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D33	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 33 Vial:A04	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	50	2	3000	5Hz	0.00	10.00	30000

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.77		0.000	108710	316358	1	
2	1.93	FLUORIDE	25.318	29489127	222726050	1	0.04
3	2.58	CHLORIDE	25.269	20134579	140423901	1	0.00
4	2.97	NITRITE	98.985	44488158	372164626	1	-0.24
5	4.03	BROMIDE	25.038	6129196	52675189	1	-0.05
6	4.40	NITRATE	101.844	25241961	338878747	1	0.00
7	6.70	PHOSPHATE	101.750	9997928	167046703	1	0.00
8	8.53	SULFATE	101.019	22119251	434126510	1	0.00
		Totals	479.223	157708909	1728358084		

File: 96020811.D33 Sample: A960123V3/HI - A04



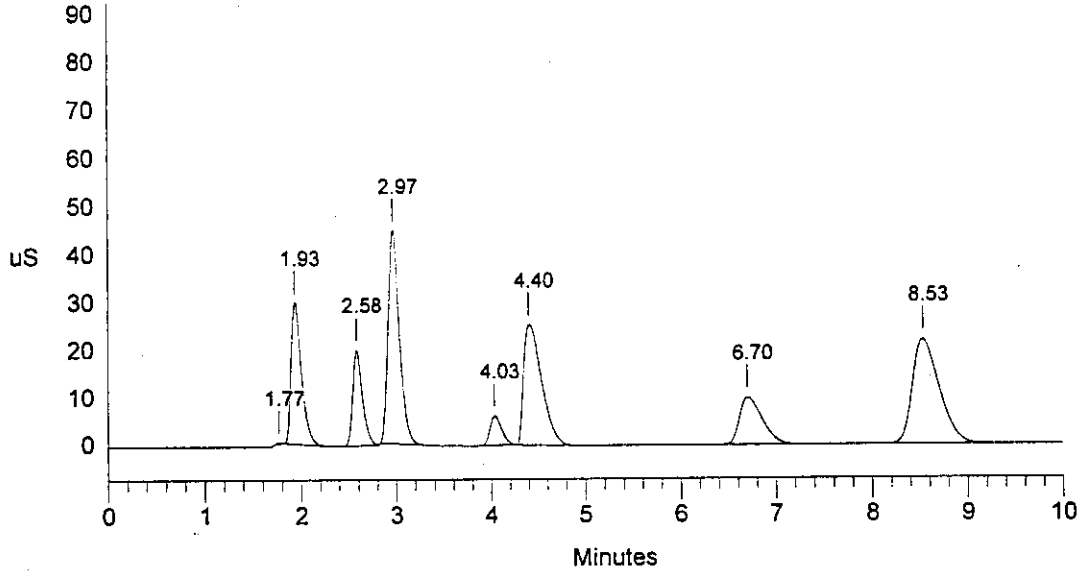
```
==============================================================================
| Sample Name: A960123V3/HI  - A04            Date: 02/08/1996 15:06:11      |
| Data File  : c:\DX\DATA\9602081\96020811.D33                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 33  Vial:A04        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	50	2	3000	5Hz	0.00	10.00	30000	

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

Pk. Num	Ret Time	Component Name	Concentration ppm	Height	Area	Bl. Code	%Delta
1	1.77	CHLORIDE	0.295	108710	316358	1	0.00
2	1.93		0.000	29489127	222726050	1	
3	2.58		0.000	20134579	140423901	1	
4	2.97		0.000	44488158	372164626	1	
5	4.03		0.000	6129196	52675189	1	
6	4.40		0.000	25241961	338878747	1	
7	6.70		0.000	9997928	167046703	1	
8	8.53		0.000	22119251	434126510	1	
		Totals	0.295	157708909	1728358084		

File: 96020811.D33 Sample: A960123V3/HI - A04



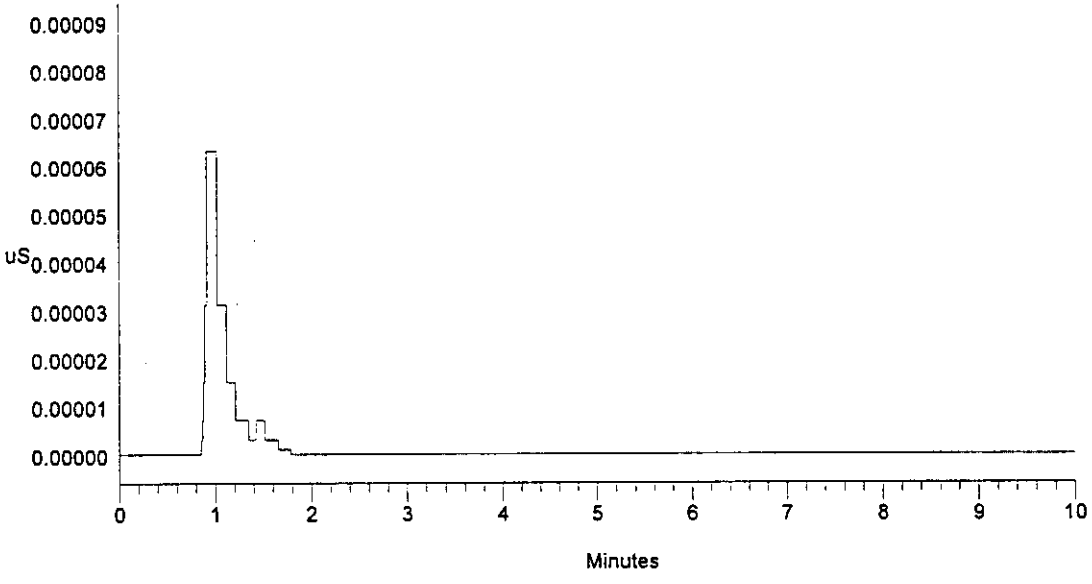
```
==============================================================================
| Sample Name: A9602081B2  - A01              Date: 02/08/1996 15:18:50      |
| Data File  : c:\DX\DATA\9602081\96020811.D34                               |
| Method     : c:\dx\method\1anions1.met                                      |
| ACI Address: 1  System: 1  Inject#: 34  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)            |
==============================================================================
```

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
		Totals	0.000	0	0		

File: 96020811.D34 Sample: A9602081B2 - A01



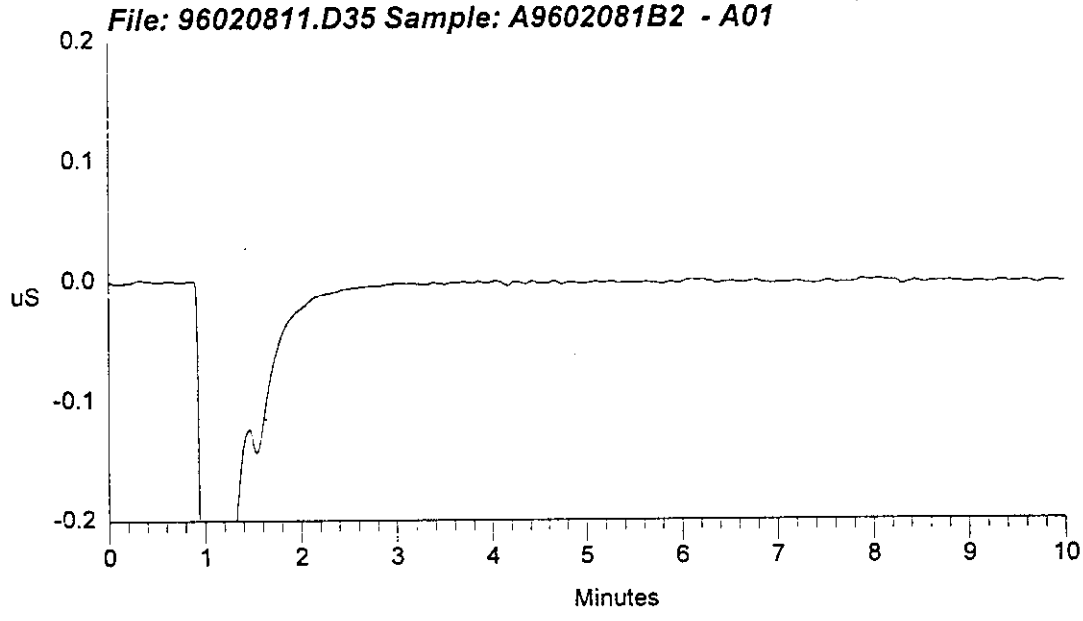
Data Reprocessed On 02/09/1996 16:45:56

Sample Name: A9602081B2 - A01	Date: 02/08/1996 15:30:54
Data File : C:\DX\DATA\9602081\OPTZ\96020811.D35	
Method : c:\dx\method\1anions1.met	
ACI Address: 1 System: 1 Inject#: 35 Vial:A01	Detector:PED-Cond.
Analyst : MMO	Column: AG4A/AS4A-SC (10196/12484)

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
		Totals	0.000	0	0		

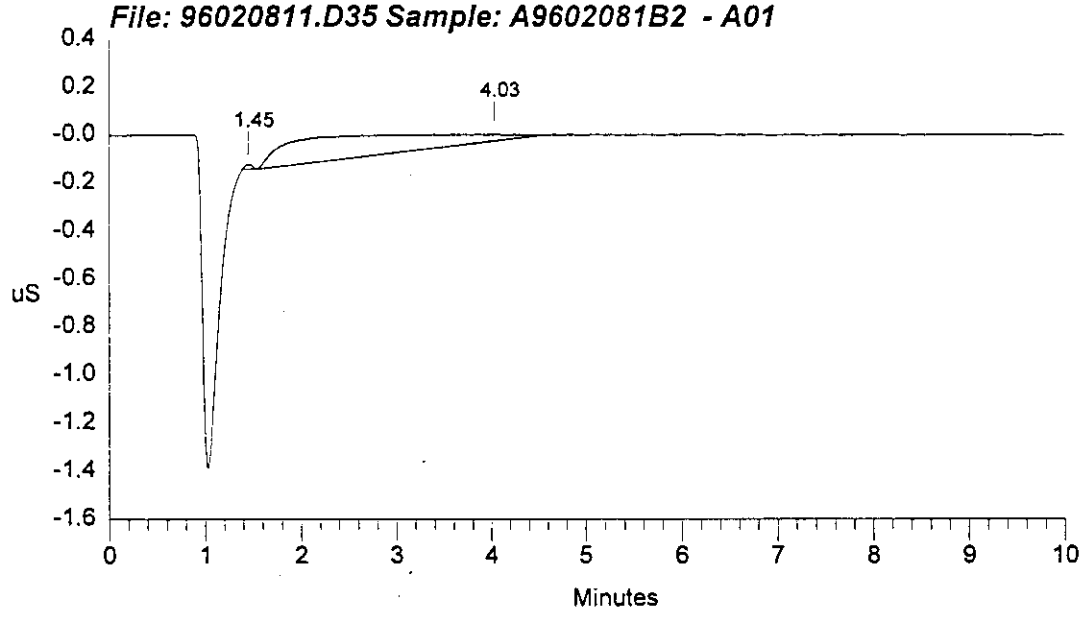


```
==========================================================================
| Sample Name: A9602081B2  - A01              Date: 02/08/1996 15:30:54    |
| Data File  : c:\DX\DATA\9602081\96020811.D35                             |
| Method     : c:\dx\method\1anions1.met                                   |
| ACI Address: 1  System: 1  Inject#: 35  Vial:A01        Detector:PED-Cond.|
| Analyst    : MMO            Column: AG4A/AS4A-SC  (10196/12484)          |
==========================================================================
```

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	1.45		0.000	19091	99922	1	
2	4.03		0.000	26367	10730210	1	
		Totals	0.000	45458	10830132		



BX112 + BX104 Spike Analysis (Verification) + Prep.

IC Tank Stock Spiking Solution
Multi-Analyte Spike

M. O'Neill Initials MO Preparation Date: 2-13-96

Chemical Name*	Salt Barcode #	Weight Salt (calculated/ actual) (g)	Conc. Spike Stock (mg/L) (True Value)	Analysis Conc. Spike (ug/ml) (Meas. Value)	% Recovery True Value / Meas. Value	Meas Va / True Val
✓ NaF	51125	0.0665/0.0667	301.78	300	100%	99%
✓ NaCL	51124	0.0164/0.0186	112.84	100	~~108~~ 89% MMO 2-13-96	89%
✓ NaNO2	80875	0.0975/0.0973	648.90	600	108%	92%
✓ NaNO3	51127	0.8227/0.8229	6003.04	5500	109%	92%
✓ NaH2PO4	51128	2.7802/2.7810	22012.97	19100	115%	87%
✓ Na2SO4	51129	0.3697/0.3692	2496.91	2300	109%	92%

*Chemical Manufacturer: Aldrich

Standard ID#: 960213KSP1
Verification Date: 2-13-96
System File #: IC-325-400 SL File #96.16

Stock Spike Standards Prep: Weigh each salt into a clean weighing dish and record weight. The salts are then transfered to one clean 100 ml volumetric flask and diluted to volume with DDI water to create a multi-analyte spike. Store stock spike solutions at 4°C.

Salts used to prepare the stock spike standards are stored in the dessicator except $NaNO_2$ which is kept in the standards refrigerator in lab 400.

Dilute Spike 100X or 1ml into 100ml final extraction volume.

c/ Excel / TKspKCal.xls

BC		IC Tank Stock Spiking Solution/ Calculation check								
		Wt of Salt Weighed (g)	MW of Salt (g/mole)		MW of Analyte (g/mole)					
51125	NaF	0.0667	41.99		18.9984					
51124	NaCl	0.0186	58.44		35.453					
—	NaNO2	0.0973	69		46.0055					
51127	NaNO3	0.8229	84.99		62.0049					
51129	NaH2PO4	2.781	119.9747		94.9714					
51129	Na2SO4	0.3692	142.04		96.0616					
		Wt. of Salt in 100 ml (g)	Divide by Wt. Salt by MW Salt (g/mole)		Multiply by MW Analyte (g/mole)		Mult. by 1000	Divide by the total vol spike (0.1 L)		Analyte (ug/L)	
							1000mg=1g				
	NaF	0.0667	0.001588		0.030178		30.17845	301.7845		301.7845	F
	NaCl	0.0186	0.000318		0.011284		11.28381	112.8381		112.8381	Cl
	NaNO2	0.0973	0.00141		0.064874		64.87442	648.7442		648.7442	NO2
	NaNO3	0.8229	0.009682		0.600351		600.351	6003.51		6003.51	NO3
	NaH2PO4	2.781	0.02318		2.201427		2201.427	22014.27		22014.27	PO4
	Na2SO4	0.3692	0.002599		0.24969		249.6898	2496.898		2496.898	SO4

Nominal value (ug/L)

300 F
110 Cl
650 NO_2
6000 NO_3
22000 PO_4
2500 SO_4

1727

WHC-SD-WM-DP-170, REV. 1

BC - Bar Code :

M. O'Neill 3-18-96

Anion Concentrations in the Matrix Spike

		Prep Dil.	100	100	100	100	100	100
		Analysis Dil.	1	1.67	2	10	20	33.33
		Total Dil.	100	167	200	1000	2000	3333
	Nominal value							
F	300		3.00	1.80	1.50	0.30	0.15	0.090
Cl	110		1.10	0.66	0.55	0.11	0.055	0.033
NO2	650		6.50	3.89	3.25	0.65	0.325	0.195
Br	not spiked							
NO3	6000		60.00	35.93	30.00	6.00	3.00	1.800
PO4	22000		220.00	131.74	110.00	22.00	11.00	6.601
SO4	2500		25.00	14.97	12.50	2.50	1.25	0.750

Prep Dil. is the dilution of the spike for extraction

Analysis Dil.is the dilution of the matrix spike during IC analysis

Total Dil. is the prep dil. times the Analysis Dil

Concentrations of each analyte are found by dividing the Nominal value by the Total Dil

C4 - TOC/TIC/TC ANALYSIS

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DATE TO QC: 03/21/96

DATA QUALITY REVIEW

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

Analyte - TOC/TIC/TC

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2617, 96-2618

PNL ACL Quality Representative

3-28-96

Date

3/28/96

Battelle
Pacific Northwest Laboratories

Project Number _____

Internal Distribution

System File/LB

Date March 19, 1996

To Project Manager

From DL Baldwin

Subject TOC/TIC/TC Analysis (Hot Persulfate Method) of BX112 Cores 118 and 119 Composites

The analysis of these samples was done by the hot persulfate wet oxidation method, PNL-ALO-381, rev. 1. The work was performed according to ASR 2785 and TI TI95-PM-06, Rev 1, dated Feb 5, 1996. The work was performed at Impact Level II. The hot persulfate method uses hot acid decomposition for TIC and acidic persulfate oxidation at 92-95°C for TOC, all on the same sample. TC is the sum of the two.

The table below shows the results, rounded to 2 or 3 significant figures. The full results are located on the attached spreadsheets, with the supporting raw data located on data sheets and review report spreadsheets and on file in the LSO Records Office. The TIC standard is calcium carbonate and the TOC standard is glucose. The standard materials were used in solid form for system standards as well as matrix spikes. 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 and are blank-corrected. The estimated precision is ±10% and the estimated accuracy is ±15%. All results are reported in ugC/g, based on the weight of sample.

QC Narrative: QC for this work involved systems blanks, system standards, duplicates for all samples, and one matrix spike per batch. The QC standards and blanks for the batch all came within required limits, with system standards for TIC and TOC ranging from 89.9% to 98.6% recovery. The matrix spikes, added to sample 96-002618, came in at 94% to 100% recovery for TIC and TOC. Precision was good throughout the batch, ranging from 2% to 6% RPD (Relative Percent Difference).

Table of Results

ALO No.	Sample ID	wt (g)	TIC (ugC/g)	RPD (%)	TOC (ugC/g)	RPD (%)	TC (ugC/g)	RPD (%)
96-002617	BX112 Core 118 Comp.	0.1489	2270		460		2730	
96-002617	BX112 Core 118 Comp.	0.1409	2380	5	450	2	2830	4

E54-1900-001 (10/89)

March 19, 1996
Page 2

96-002618	BX112 Core 119 Comp.	0.2097	1970		680		2650	
96-002618	BX112 Core 119 Comp.	0.2098	2000	2	720	6	2720	3
96-002618	spike	0.2628	94% Recov		100% Recov			

Concur by: _____ Date: 3-20-96
File TOC-PER.54
System File No. TOC031896

TOC/TIC/TC Calculations **Review** Report - Hot Persulfate Method PNL-ALO-381
Samples: TWRS BX112 Core 118 and 119 Composites Analyzed 3/13/96

Preparer/date: 3/18/96
Reviewer/date: 3-20-96

Instrument: WC01713 in SAL Hot Cell / Fume Hood
TIC STD: CaCO3 (lot N261)
Project No.: 22762 TI95-PM-06 ASR 2785 WP#: K36494 IL II

Bal M&TE: 360-06-01-016
TOC STD: Glucose (lot Kodak B1F)

Procedure: PNL-ALO-381
Archive File: 201PER15.XLS

Standard Calculations

Blank Averages:	TIC Blk:		Average:		TOC Blk:		Average:	
		15		13.7		103		99.7
		13	SD:	1.2		95	SD:	4.2
		13	Pooled SD:	3.0		101	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	1302	13.7	0.0109	98.6	956	99.7	0.0022	97.3
STD 2	2440	13.7	0.0225	89.9	1808	99.7	0.0045	94.9
STD 3	1997	13.7	0.0176	94.0	2235	99.7	0.0055	97.1
			avg:	94.2			avg:	96.4

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 (%)
96-002617	BX112 Core 118 Comp.	332	13.7	0.1489	2270		166	99.7	0.1489	462		2732	
96-002617	BX112 Core 118 Comp.	330	13.7	0.1409	2384	5	161	99.7	0.1409	451	2	2836	4
96-002618	BX112 Core 119 Comp.	402	13.7	0.2097	1967		237	99.7	0.2097	679		2646	
96-002618	BX112 Core 119 Comp.	409	13.7	0.2098	2001	2	246	99.7	0.2098	723	6	2724	3
96-002618 spike	BX112 Core 119 Comp. spike	1108	13.7	0.2628	see below		2609	99.7	0.2628	see below		see below	

Matrix Spike Results

ACL Number	Client ID	MS (ug)	MS blk (ug)	Sa (ug/g)	MS Sa wt (g)	spike (g)	Spike % Recovery
96-002618 spike	BX112 Core 119 Comp. spike TIC	1108	13.7	2.27E+03	0.2628	0.0050	94.3
96-002618 spike	BX112 Core 119 Comp. spike TOC	2609	99.7	4.62E+02	0.2628	0.0062	100.0

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.

Battelle Pacific Northwest Laboratories
Analytical Chemistry Laboratory
Shielded Analytical Laboratory

CARBON (TOC/TIC/TC) DATA SHEET
(325 SHIELDED ANALYTICAL LABORATORY)

CLIENT: KL SILVERS WORK PACKAGE: K36494 ASR/ARF/LOI/TI: TI95-PM-06 ASR 2785

QA PLAN: MCS-033 IMPACT LEVEL: II

96-02617 BX112 CORE 118 COMPOSITE; 96-02618 BX112 CORE 119 CORE COMPOSITE
SAMPLE IDENTIFICATION

ACL NUMBER	SAMPLE IDENTIFICATION	SAMPLE SIZE	TIC (ugC)	TOC (ugC)	TC (ugC)	OBSERVATIONS/COMMENTS
	BIK 1	–	21	88		
	BIK 2	–	15	103		
	BIK 3	–	13	95		
	STd. 1	10.9/2.2 mg.	1302	956		(CaCO3/Glucose
	STd. 2	22.5/45	2440	1808		N261/BIF)
96-2617	Core 118 comp.	0.1489 g.	332	166		
96. 2617	"	0.1409	330	161		
96-2618	core 119 comp	0.2097	402	237		

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: 3/13/96 Reviewer: [signature] Date: 3/14/96

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WHC-SD-WM-DP-170, 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
96-2618	"	0.2098 g.	409	246		
96-2618	" MS.	0.2628 + 5.0/6.2mg	1108	2609		
	BIK 4		13	101		
	STd. 3	17.6/5.5	1997	2235		

WHC-SD-WM-DP-170, REV. 1

SINGLE SHELL TANK

WASTE CHARACTERIZATION PROJECT

APPENDIX D

RADIOCHEMISTRY

TANK BX-112 CORES 118 & 119

March 1996

Pacific Northwest Laboratory

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D1 - INTRODUCTION

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Introduction to Radioanalytical Primary Data Package

This section of the BX-112 Cores 118 and 119 Primary Data Package contains primary or "raw" data collected during preparation and analysis of radiochemistry samples. Much of the analytical information is listed on the analytical data sheets. All analytical information is tracked by the laboratory sample number. Assessment of the primary analytical data will require in-depth knowledge of the methodology.

D2 - TOTAL ALPHA ANALYSIS

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DATE TO QC: 03/20/96

DATA QUALITY REVIEW

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

Analyte - GEA

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2617, 96-2618, 96-2619

PNL ~~ACL~~ Quality Representative

3/28/96

Date

3/28/96

Table 3.4: Tank 241-BX-112 Cores 118,119 Gamma Energy Analysis Results

ALO #	CORE ID	Co-60 uCi/g	Cs-134 uCi/g	Cs-137 uCi/g	+/-% Error	Eu-154 uCi/g	Eu-155 uCi/g	Am-241 uCi/g
96-2617	PROCESS BLANK	<4.E-3	<3.E-3	2.48E-02	9%	<7.E-3	<9.E-3	<9.E-3
96-2617	118.COMP.F	<2.E-2	<4.E-2	6.28E+01	2%	<2.E-2	<1.E-1	<2.E-1
96-2617-DUP	118.COMP.F DUP	<9.E-3	<3.E-2	6.48E+01	2%	<2.E-2	<1.E-1	<1.E-1
	RPD			3.2%				
96-2618	119.COMP.F	<9.E-3	<3.E-2	4.89E+01	2%	<2.E-2	<9.E-2	<1.E-1
96-2618-DUP	119.COMP.F DUP	<7.E-3	<3.E-2	4.95E+01	2%	<2.E-2	<8.E-2	<9.E-2
	RPD			1.1%				
96-2619	FIELD BLANK	<1.E-2	<1.E-2	6.36E+0	2%	<2.E-2	<4.E-2	<4.E-2
96-2619-DUP	FIELD BLANK DUP	<8.E-3	<1.E-2	6.42E+0	2%	<2.E-2	<4.E-2	<4.E-2
	RPD			0.9%				

Table 3.5: Tank 241-BX-112 Cores 118,119 Gamma Energy Analysis Results

ALO #	CORE ID	Co-60 uCi/g	Cs-134 uCi/g	Cs-137 uCi/g	+/-% Error	Eu-154 uCi/g	Eu-155 uCi/g	Am-241 uCi/g
96-2605	PROCESS BLANK	<7.E-4	<2.E-3	1.77E-01	3%	<3.E-3	<4.E-3	<5E-3
96-2607	118.2A.F	<3.E-3	<3.E-2	5.49E+01	2%	<5.E-2	<8.E-2	<1.E-1
96-2607	118.2A.F DUP	<2.E-3	<3.E-2	5.37E+01	2%	<5.E-2	<8.E-2	<1.E-1
	RPD			2.2%				
96-2611	PROCESS BLANK	<2.E-3	<1.E-3	1.44E-01	3%	<2.E-3	<3.E-3	<4.E-3
96-2615	119.3A.F	<2.E-3	<3.E-2	3.97E+01	2%	<4.E-2	<7.8-2	<9.E-2
96-2615	119.3A.F DUP	<3.E-3	<3.E-2	3.91E+01	2%	<4.E-2	<7.E-2	<9.E-2
	RPD			1.5%				
96-2849BLK	PROCESS BLANK	<2.E-3	<9.E-4	2.21E-02	4%	<3.E-3	<3.E-3	<5.E-3
96-2849	118.2AH.4	<6.E-3	<6.E-2	5.42E+01	2%	<3.E-2	<2.E-1	<3.E-1
96-2849DUP	118.2AH.4 DUP	<8.E-3	<6.E-2	5.36E+01	2%	<2.E-2	<2.E-1	<3.E-1
	RPD			1.1%				
96-2851	119.3AH.F	<6.E-3	<5.E-2	3.79E+01	2%	<2.E-2	<2.E-1	<3.E-1
96-2851DUP	119.3AH.F DUP	<7.E-3	<5.E-2	3.79E+01	3%	<2.E-2	<2.E-1	<3.E-1
	RPD			0.0%				

TCR 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

15-MAR-1996 16:37:10.10
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-2617B Process Blank K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0376.CNF;2
Analys. File: ND_SC_ASF:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 15-MAR-1996 08:37:00 Sample quantity: 4.48310E-03 g
Sample (EOI) time: 15-MAR-1996 08:36:59 Sample geometry: P3-GSV-2ML-W
Elapsed live time: 0 08:00:00.00
Elapsed real time: 0 08:00:03.32 0.0%

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75 Half life ratio: 8.00
Errors propagated: Yes Systematic Erro: 5.00
Abundance limit : 70.00 WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: natural

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
K-40	1460.83	10.67*	3.129E-01	3.653E-02	3.653E-02	41.22	OK

Final Mean for 1 Valid Peaks = 3.653E-02+/- 1.506E-02 (41.22%)

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	2.482E-02	2.482E-02	8.98	OK

Final Mean for 1 Valid Peaks = 2.482E-02+/- 2.227E-03 (8.98%)

Nuclide Type: U+TH-234+PA-234

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
U-238	63.29	3.81	9.645E-01	3.323E-02	3.323E-02	112.41	OK
	92.51	5.42	1.652E+00	7.741E-03	7.741E-03	239.47	OK
	111.03	0.08	1.737E+00	-----	Line Not Found	-----	Absent
	258.18	0.06	1.139E+00	-----	Line Not Found	-----	Absent

Nuclide Line Activity Report (continued) Page : 2
Sample ID : 96-2617B Proce Acquisition date : 15-MAR-1996 08:37:00

Nuclide Type: U+TH-234+PA-234

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
	742.82	0.06	5.090E-01	-----	Line Not Found	-----	Absent
	766.41	0.21	4.966E-01	-----	Line Not Found	-----	Absent
	1001.00	0.65*	4.031E-01	-----	Line Not Found	-----	Absent

Final Mean for 2 Valid Peaks = 1.278E-02+/- 1.660E-02 (129.95%)

Flag: "*" = Keyline

Post-NID Peak Search Report
Sample ID : 96-2617B Proce

Page : 3
Acquisition date : 15-MAR-1996 08:37:00

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/g
0	63.04*	58	1.03	169.27	165	10	110.7		U-238	3.323E-02
2	72.80*	114	1.16	195.28	189	17	55.5	1.55E+00		
2	75.01*	152	0.98	201.19	189	17	40.1			
0	84.65*	77	1.42	226.86	222	10	96.1			
0	92.73*	33	0.88	248.41	244	11	239.2		U-238	7.741E-03
0	510.89*	149	2.65	1363.27	1351	26	48.9			
0	661.73	563	1.88	1765.59	1753	22	7.4		CS-137	2.482E-02
0	1461.22*	58	1.81	3898.96	3888	24	40.9		K-40	3.653E-02
0	2613.79*	4	1.87	6977.95	6963	27	424.0			

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/g)
MN-54	133.	834.83	2.4182E-03
FE-59	104.	1099.25	4.6822E-03
CO-60	182.	1332.50	3.9873E-03
SR-85	442.	514.00	3.1482E-03
NB-94	113.	871.09	2.3021E-03
RU-103	213.	497.05	2.3076E-03
RURH-106	166.	621.92	2.1907E-02
AG-108M	153.	722.90	2.5375E-03
CD-109	878.	88.03	5.0036E-02
SB-125	273.	427.88	7.0241E-03
CS-134	199.	604.72	2.3528E-03
CE-139	1214.	165.85	2.7700E-03
CE-141	1256.	145.44	4.3865E-03
CE-144	1229.	133.54	1.8196E-02
EU-152	571.	344.28	9.5289E-03
EU-154	66.	1274.44	6.6671E-03
EU-155	1004.	105.31	8.4215E-03
HG-203	1001.	72.87	3.8035E-02
BI-214	105.	1120.27	1.7918E-02
TH-228	1103.	238.58	6.1468E-03
U-235	1288.	185.74	4.6003E-03
AM-241	617.	59.54	8.1214E-03

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 03/ 11/ 96 Work order K41903 ARF(SOW) : ASR 2785 (2889)

A.L.O. No. : 96-2617B Description : PROCESS BLANK

Pipet Nos.: #14

DF --- .2253 g → 100 ml --- 2(.99492) ml --- --- ---

ADJ ×2

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst [signature] Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG G-40% H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0376

sample size 4.4831 E-3 g

Analyst [signature] Date 3.13.96

RT RS 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

13-MAR-1996 14:09:22.94
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-02617 118.Comp.F TWRS K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0374.CNF;1
Analys. File: nd_sc_asf:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 13-MAR-1996 09:55:43 Sample quantity: 4.21450E-03 g
Sample (EOI) time: 13-MAR-1996 09:55:42 Sample geometry: P3-GSV-2ML-W
Elapsed live time: 0 02:00:00.00
Elapsed real time: 0 02:00:26.08 0.4%

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75 Half life ratio: 8.00
Errors propagated: Yes Systematic Erro: 1.30
Abundance limit : 70.00 WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: natural

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
K-40	1460.83	10.67*	3.129E-01	3.634E-02	3.634E-02	57.85	OK

Final Mean for 1 Valid Peaks = 3.634E-02+/- 2.102E-02 (57.85%)

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	6.277E+01	6.277E+01	1.52	OK

Final Mean for 1 Valid Peaks = 6.277E+01+/- 9.558E-01 (1.52%)

Flag: "*" = Keyline

Post-NID Peak Search Report
Sample ID : 96-02617 118.Co

Acquisition date : 13-MAR-1996 09:55:43

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/g
0	661.75	334650	1.79	1765.63	1754	23	0.2		CS-137	62.8
0	1332.95*	13	0.54	3556.56	3545	19	92.4			
0	1460.87*	14	2.45	3898.02	3887	21	57.8		K-40	3.634E-02

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/g)
MN-54	46.	834.83	6.0239E-03
FE-59	27.	1099.25	1.0091E-02
CO-60	79.	1332.50	1.1171E-02
SR-85	5431.	514.00	4.6917E-02
NB-94	41.	871.09	5.8953E-03
RU-103	6534.	497.05	5.4302E-02
RURH-106	1760.	621.92	3.0307E-01
AG-108M	45.	722.90	5.8471E-03
CD-109	6893.	88.03	5.9630E-01
SB-125	10496.	427.88	1.8513E-01
CS-134	1999.	604.72	3.1721E-02
CE-139	9238.	165.85	3.2499E-02
CE-141	8975.	145.44	4.9763E-02
CE-144	8957.	133.54	2.0896E-01
EU-152	12.	1408.01	2.1535E-02
EU-154	27.	1274.44	1.8248E-02
EU-155	7538.	105.31	9.8166E-02
HG-203	6619.	72.87	4.1539E-01
BI-214	29.	1120.27	4.0215E-02
TH-228	10068.	238.58	7.9019E-02
U-235	12827.	185.74	6.1766E-02
U-238	40.	1001.00	1.0057E+00
AM-241	6139.	59.54	1.0897E-01

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 03/ 11/ 96 Work order : K41906 ARF(SOW) : ASR 2785 (2889)

A.L.O. No. : 96-2617 Description : 118.COMP.F

Pipet Nos.: #14

DF --- .2118 g → 100 ml --- 2(.99492) ml --- --- ---

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst [signature] Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG G-40% H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0374

sample size 4.2145E-3g

Analyst [signature] Date 3/13/96

RR RS 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

13-MAR-1996 14:05:35.15
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-02617Dup 118.Comp.F Duplicate TWRS K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0375.CNF;1
Analys. File: ND_SC_ASF:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 13-MAR-1996 12:04:55 Sample quantity: 4.75170E-03 g
Sample (EOI) time: 13-MAR-1996 12:04:55 Sample geometry: P3-GSV-2ML-W
Elapsed live time: 0 02:00:00.00
Elapsed real time: 0 02:00:29.93 0.4%

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75 Half life ratio: 8.00
Errors propagated: Yes Systematic Erro: 1.30
Abundance limit : 70.00 WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	6.482E+01	6.482E+01	1.52	OK

Final Mean for 1 Valid Peaks = 6.482E+01+/- 9.863E-01 (1.52%)

Flag: "*" = Keyline

Post-NID Peak Search Report
Sample ID : 96-02617Dup 11

Acquisition date : 13-MAR-1996 12:04:55

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/g
0	661.75	389676	1.79	1765.63	1753	24	0.2		CS-137	64.8

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/g)
K-40	54.	1460.83	8.0846E-02
MN-54	27.	834.83	4.1352E-03
FE-59	24.	1099.25	8.4914E-03
CO-60	59.	1332.50	8.5401E-03
SR-85	6048.	514.00	4.3914E-02
NB-94	38.	871.09	5.0241E-03
RU-103	7436.	497.05	5.1378E-02
RURH-106	2114.	621.92	2.9455E-01
AG-108M	61.	722.90	6.0525E-03
CD-109	7905.	88.03	5.6635E-01
SB-125	12107.	427.88	1.7636E-01
CS-134	2319.	604.72	3.0303E-02
CE-139	10547.	165.85	3.0799E-02
CE-141	10152.	145.44	4.6944E-02
CE-144	10118.	133.54	1.9698E-01
EU-152	11.	1408.01	1.8323E-02
EU-154	22.	1274.44	1.4487E-02
EU-155	8584.	105.31	9.2912E-02
HG-203	7382.	72.87	3.8911E-01
BI-214	20.	1120.27	2.9684E-02
TH-228	11422.	238.58	7.4651E-02
U-235	14521.	185.74	5.8289E-02
U-238	34.	1001.00	8.2271E-01
AM-241	6854.	59.54	1.0212E-01

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 03/ 11/ 96 Work order K4/903 ARF(SOW) : ASR 2785 (2889)

A.L.O. No. : 96-2617D Description : 118.COMP.F DUPLICATE

Pipet Nos.: #14

DF ---.2388 g → 100 ml --- 2(.59452) ml --- --- ---

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst [signature] Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG G-40% H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0375

Sample size 4.7517E-3 g

Analyst [signature] Date 3.13.96

RA RS 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

13-MAR-1996 18:23:16.82
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-02618 119.Comp.F TWRS K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0377.CNF;1
Analys. File: ND_SC_ASF:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 13-MAR-1996 16:22:42 Sample quantity: 4.23040E-03 g
Sample (EOI) time: 13-MAR-1996 16:22:41 Sample geometry: P3-GSV-2ML-W
Elapsed live time: 0 02:00:00.00
Elapsed real time: 0 02:00:20.49 0.3%

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75 Half life ratio: 8.00
Errors propagated: Yes Systematic Erro: 1.30
Abundance limit : 70.00 WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	4.893E+01	4.893E+01	1.53	OK

Final Mean for 1 Valid Peaks = 4.893E+01+/- 7.463E-01 (1.53%)

Flag: "*" = Keyline

Post-NID Peak Search Report
Sample ID : 96-02618 119.C

Acquisition date : 13-MAR-1996 16:22:42

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/g
0	661.74	261846	1.77	1765.59	1753	24	0.2		CS-137	48.9

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/g)
K-40	54.	1460.83	9.1013E-02
MN-54	43.	834.83	5.8267E-03
FE-59	27.	1099.25	1.0104E-02
CO-60	47.	1332.50	8.5798E-03
SR-85	4107.	514.00	4.0646E-02
NB-94	36.	871.09	5.4793E-03
RU-103	5158.	497.05	4.8066E-02
RURH-106	1458.	621.92	2.7482E-01
AG-108M	49.	722.90	6.0701E-03
CD-109	5578.	88.03	5.3440E-01
SB-125	8082.	427.88	1.6185E-01
CS-134	1550.	604.72	2.7828E-02
CE-139	7052.	165.85	2.8288E-02
CE-141	7039.	145.44	4.3907E-02
CE-144	6994.	133.54	1.8395E-01
EU-152	12.	1408.01	2.1492E-02
EU-154	23.	1274.44	1.6642E-02
EU-155	6022.	105.31	8.7410E-02
HG-203	5139.	72.87	3.6466E-01
BI-214	27.	1120.27	3.8583E-02
TH-228	7998.	238.58	7.0163E-02
U-235	9939.	185.74	5.4166E-02
U-238	33.	1001.00	9.0473E-01
AM-241	4874.	59.54	9.6733E-02

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 03/ 11/ 96 Work order : K4/903 ARF(SOW) : ASR 2785 (2889)

A.L.O. No. : 96-2618 Description : 119.COMP.F

Pipet Nos.: 6 T.T. 3/13/96 #14

DF --- .2126 g → 100 ml --- 2.99492 ml --- --- ---

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst [signature] Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG G-40% H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0077

Sample size 4.2304E-3 g

Analyst [signature] Date 3.13.96

RTR → 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

14-MAR-1996 09:48:48.29
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-02618D 119.Comp.F Duplicate TWRS K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0377.CNF;2
Analys. File: ND_SC_ASF:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 14-MAR-1996 07:48:14
Sample (EOI) time: 14-MAR-1996 07:48:13
Elapsed live time: 0 02:00:00.00
Elapsed real time: 0 02:00:25.24 0.3%

Sample quantity: 5.18750E-03 g
Sample geometry: P3-GSV-2ML-W

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75
Errors propagated: Yes
Abundance limit : 70.00

Half life ratio: 8.00
Systematic Erro: 1.30
WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: natural

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
K-40	1460.83	10.67*	3.129E-01	3.449E-02	3.449E-02	69.59	OK

Final Mean for 1 Valid Peaks = 3.449E-02+/- 2.400E-02 (69.59%)

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/g	Decay Corr uCi/g	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	4.948E+01	4.948E+01	1.52	OK

Final Mean for 1 Valid Peaks = 4.948E+01+/- 7.533E-01 (1.52%)

Flag: "*" = Keyline

Post-NID Peak Search Report
Sample ID : 96-02618D 119.

Acquisition date : 14-MAR-1996 07:48:14

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/g
0	661.72	324721	1.79	1765.56	1753	24	0.2		CS-137	49.5
0	1461.47*	16	2.68	3899.64	3888	20	69.6		K-40	3.449E-02

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/g)
MN-54	29.	834.83	3.9284E-03
FE-59	23.	1099.25	7.6480E-03
CO-60	39.	1332.50	6.3874E-03
SR-85	5187.	514.00	3.7253E-02
NB-94	37.	871.09	4.5357E-03
RU-103	6312.	497.05	4.3360E-02
RURH-106	1834.	621.92	2.5132E-01
AG-108M	41.	722.90	4.5370E-03
CD-109	6802.	88.03	4.8122E-01
SB-125	10053.	427.88	1.4720E-01
CS-134	1955.	604.72	2.5485E-02
CE-139	8845.	165.85	2.5835E-02
CE-141	8702.	145.44	3.9810E-02
CE-144	8684.	133.54	1.6716E-01
EU-152	13.	1408.01	1.8270E-02
EU-154	24.	1274.44	1.3938E-02
EU-155	7270.	105.31	7.8322E-02
HG-203	6376.	72.87	3.3123E-01
BI-214	23.	1120.27	2.9017E-02
TH-228	9569.	238.58	6.2588E-02
U-235	12394.	185.74	4.9326E-02
U-238	22.	1001.00	6.0561E-01
AM-241	6025.	59.54	8.7705E-02

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 03/ 11/ 96 Work order : K4/903 ARF(SOW) : ASR 2785 (2889)

A.L.O. No. : 96-2618D Description : 119.COMP.F DUPLICATE

Pipet Nos.: #14

DF --- .2607 g → 100 ml --- 2(.99492 ml) --- --- ---

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst F a Reppond Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG (G-40%) H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0377

Sample size 5.1875E-3 g

Analyst T. Thomas Date 3.14.96

RIR 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

14-MAR-1996 12:00:14.29
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-02619 Field Blank F TWRS K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0378.CNF;1
Analys. File: ND_SC_ASF:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 14-MAR-1996 09:59:57
Sample (EOI) time: 14-MAR-1996 09:59:57
Elapsed live time: 0 02:00:00.00
Elapsed real time: 0 02:00:03.52 0.0%

Sample quantity: 1.98984E+00 ml
Sample geometry: P3-GSV-2ML-W

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75
Errors propagated: Yes
Abundance limit : 70.00

Half life ratio: 8.00
Systematic Erro: 1.30
WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/ml	Decay Corr uCi/ml	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	1.433E-02	1.433E-02	1.60	OK

Final Mean for 1 Valid Peaks = 1.433E-02+/- 2.298E-04 (1.60%)

Flag: "*" = Keyline

6.36 μCi/g

Multiply X $\frac{100\,ml}{0.2253\,g}$ = 44.385 ml/g

FRY 3-18-96

Post-NID Peak Search Report
Sample ID : 96-02619 Field

Acquisition date : 14-MAR-1996 09:59:57

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/ml
0	661.73	36081	1.82	1765.58	1755	20	0.5		CS-137	1.433E-02
0	1173.94*	1	2.34	3132.15	3119	25*****				

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/ml)
K-40	53.	1460.83	1.9136E-04
MN-54	36.	834.83	1.1394E-05
FE-59	31.	1099.25	2.3066E-05
CO-60	62.	1332.50	2.1028E-05
SR-85	618.	514.00	3.3517E-05
NB-94	35.	871.09	1.1488E-05
RU-103	750.	497.05	3.8974E-05
RURH-106	281.	621.92	2.5644E-04
AG-108M	38.	722.90	1.1439E-05
CD-109	977.	88.03	4.7556E-04
SB-125	1216.	427.88	1.3345E-04
CS-134	237.	604.72	2.3158E-05
CE-139	1232.	165.85	2.5139E-05
CE-141	1328.	145.44	4.0540E-05
CE-144	1263.	133.54	1.6618E-04
EU-152	10.	1408.01	4.1636E-05
EU-154	14.	1274.44	2.7998E-05
EU-155	1026.	105.31	7.6711E-05
HG-203	927.	72.87	3.2927E-04
BI-214	24.	1120.27	7.7343E-05
TH-228	1316.	238.58	6.0505E-05
U-235	1606.	185.74	4.6297E-05
U-238	23.	1001.00	1.5886E-03
AM-241	773.	59.54	8.1884E-05

X 100ml / 0.2253g

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 02/ 07/ 96 Work order : E41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02619 Description : FIELD BLANK.F

Pipet Nos.: #14

DF 2(.99492) --- --- --- --- ---

ml

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst [signature] Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG G-40% H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0378

Sample size 1.98984 ml

Analyst [signature] Date 3.14.96

RC RS 3/18/96

BATTELLE / PACIFIC NORTHWEST NATIONAL LAB
ANALYTICAL CHEMISTRY LABORATORY

14-MAR-1996 15:14:52.91
GAMMA ENERGY ANALYSIS (GEA)

Sample Title: 96-02619D / Field Blank F - Dup / TWRS / K41903

Config. File: DKA200:[USER.SCUSR.ARCHIVE]SMP_G0379.CNF;1
Analys. File: ND_SC_ASF:COMMON.ASF

Effic. File : DKA200:[USER.SCUSR.EFF]EFF_G3GSV2MLW_N
Library File: nd_sc_lib:common.nlb

Backgnd File: DKA200:[USER.SCUSR.ARCHIVE]BKG_G.CNF;18 - 5-MAR-1996 16:36:48.

Acquisition time : 14-MAR-1996 13:14:38 Sample quantity: 2.00000E+00 ml
Sample (EOI) time: 14-MAR-1996 13:14:38 Sample geometry: P3-GSV-2ML-W
Elapsed live time: 0 02:00:00.00
Elapsed real time: 0 02:00:03.55 0.0%

Peak Search Sens.: 5.00000
Eng. Tol. (FWHM) : 0.75 Half life ratio: 8.00
Errors propagated: Yes Systematic Erro: 1.30
Abundance limit : 70.00 WTM error limit: 3.00

Analyses by : PEAK V16.6 PEAKEFF V2.2 ENBACK V1.5 NID V3.2
WTMEAN V1.8 MINACT V2.5

Nuclide Line Activity Report

Nuclide Type: natural

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/ml	Decay Corr uCi/ml	1-Sigma %Error	Status
K-40	1460.83	10.67*	3.130E-01	1.669E-04	1.669E-04	29.16	OK

Final Mean for 1 Valid Peaks = 1.669E-04+/- 4.868E-05 (29.16%)

Nuclide Type: fission

Nuclide	Energy	%Abn	%Eff	Uncorrected uCi/ml	Decay Corr uCi/ml	1-Sigma %Error	Status
CS-137	661.66	85.20*	5.574E-01	1.446E-02	1.446E-02	1.60	OK

Final Mean for 1 Valid Peaks = 1.446E-02+/- 2.318E-04 (1.60%)

Flag: "*" = Keyline

6.42 uCi/g

X 100ml / 0.2253g

JRS 3-18-96

Post-NID Peak Search Report
Sample ID : 96-02619D / Fi

Acquisition date : 14-MAR-1996 13:14:38

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity uCi/ml
0	661.73	36583	1.78	1765.56	1753	25	0.5		CS-137	1.446E-02
0	1460.17*	30	2.86	3896.17	3887	19	29.1		K-40	1.669E-04

Minimum Detectable Activity Report

Nuclide	Bckgnd Sum	Energy (keV)	MDA (uCi/ml)
MN-54	27.	834.83	9.8323E-06
FE-59	22.	1099.25	1.9374E-05
CO-60	46.	1332.50	1.7921E-05
SR-85	669.	514.00	3.4711E-05
NB-94	24.	871.09	9.5935E-06
RU-103	721.	497.05	3.8006E-05
RURH-106	252.	621.92	2.4157E-04
AG-108M	39.	722.90	1.1546E-05
CD-109	935.	88.03	4.6284E-04
SB-125	1192.	427.88	1.3145E-04
CS-134	242.	604.72	2.3239E-05
CE-139	1271.	165.85	2.5397E-05
CE-141	1254.	145.44	3.9201E-05
CE-144	1181.	133.54	1.5986E-04
EU-152	11.	1408.01	4.3532E-05
EU-154	20.	1274.44	3.2957E-05
EU-155	1042.	105.31	7.6904E-05
HG-203	959.	72.87	3.3326E-04
BI-214	32.	1120.27	8.8956E-05
TH-228	1310.	238.58	6.0066E-05
U-235	1703.	185.74	4.7432E-05
U-238	28.	1001.00	1.7602E-03
AM-241	778.	59.54	8.1739E-05

$\times \frac{100ml}{0.2253g}$

Pacific Northwest Laboratory 96

Gamma-Spectroscopy.....PNL-ALO-450

Customer : TWRS Date Received : 02/ 07/ 96 Work order K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02619 Dup Description : FIELD BLANK,F Duplicate

Pipet Nos.: #14

DF 2(.99492) --- --- --- --- ---

Pipet checks are recorded on labsheets by pipet number

Data Path: _____ Direct to customer _____ Hold for Radioanalytical

Storage Path: _____ Direct to A.L.O.

Analyst [signature] Date 3/13/96

Counting Information:

Detector: B-ASCP C-70% D-70% E-100% FOG G-40% H-40% I-LEPS J-LEPS K-60% N-NaI TRACK X-Well Y-Well

File: G0379

Analyst RTR Date 3/14/96

DATE TO QC: 02/13/96

DATA QUALITY REVIEW

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

Analyte - Gross Alpha, GEA

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2605, 96-2607, 96-2609, 96-2611, 96-2613, 96-2615, 96-2619, 96-2848, 96-2850

PNL ACL Quality Representative

2/13-27/96
Date

Table 3.2: Tank 241-BX-112 Cores 118,119 Total Alpha Results

ALO #	CORE ID	ANALYSIS BATCH	Total Alpha uCi/g	+/-% Error	95% Confidence Value, uCi/g (1)
96-2605	PROCESS BLANK	1	<2.E-3		
96-2605	118.1AA.F	1	1.52E-01	14%	1.67E-01
96-2605	118.1AA.F DUP	1	1.56E-01	15%	
	RPD		2.6%		
96-2607	118.2A.F	1	1.65E-01	8%	1.80E-01
96-2607	118.2A.F DUP	1	1.69E-01	8%	
	RPD		2.4%		
96-2609	118.3A.F	1	1.79E-01	15%	2.38E-01
96-2609	118.3A.F DUP	1	1.95E-01	8%	
	RPD		8.6%		
	LAB BLANK	1	<2.E-3		
	LAB STANDARD	1	114%		
	SAMPLE SPIKE	1	85%		
96-2611	PROCESS BLANK	2	<2.E-3		
96-2611	119.1A.4	2	1.92E-01	7%	2.13E-01
96-2611	119.1A.4 DUP	2	1.84E-01	7%	
	RPD		4.3%		
96-2613	119.2A.4	2	1.89E-01	8%	1.89E-01
96-2613	119.2A.4 DUP	2	1.89E-01	8%	
	RPD		0.0%		
96-2615	119.3A.F	2	1.61E-01	8%	2.12E-01
96-2615	119.3A.F DUP	2	1.75E-01	8%	
	RPD		8.3%		
	LAB BLANK	2	<2.E-3		
	LAB STANDARD	2	110%		
	AVERAGE SPIKE	2	108%		
96-2619	FLD-BLANK.F	1	5.00E-5	38%	
96-2848	PROCESS BLANK	3	<5.E-6		
96-2848	118.1ADL.D	3	<2.E-3		
96-2850	118.3DL.D	3	<2.E-3		
96-2850	118.3DL.D DUP	3	<2.E-3		
	LAB STANDARD	3	100%		
	AVERAGE SPIKE	3	102%		

Note (1) Notification Limit = 41 uCi/g

BX112 total alpha summary sheet

		uCi/g									
		Run 1			Run 2		MS		alpha1/	Average	
	Sample ID	alpha	+/-	MS	alpha2	+/-	recovery	+/-	alpha2	alpha activity	
Batch 1	PB-2605	< 1.68e-3			< 1.14e-3		0.85				
	96-2605	0.130	10%	0.85	0.173	9%	1.35	25%	0.751	0.152	14%
	lab dup	0.155	9%								
	96-2605D	0.132	9%		0.179	8%	0.75	50%	0.737	0.156	15%
	96-2607	0.160	8%		0.169	8%	0.68	52%	0.947	0.165	8%
	96-2607D	0.160	8%		0.177	8%	1.3	29%	0.904	0.169	8%
	96-2609	0.205	9%		0.152	10%	1.6	20%	1.349	0.179	15%
	96-2609D	0.188	8%		0.201	8%	1.2		0.935	0.195	8%
	std			1.2			1.08		Avg. Std.	114%	
	blk	< 7e-4			< 2e-3						
					average spike recovery			115%			
Batch 2	PB-2611	< 1.53e-3		0.83	< 1.21e-3		0.84				
	96-2611	0.188	8%		0.195	7%	2.42		0.964	0.192	7% probably double-spiked the sample
	96-2611D	0.174	8%		0.193	7%	1.05		0.902	0.184	7%
	96-2613	0.177	8%		0.2	8%	1.02		0.885	0.189	8%
	96-2613D	0.186	8%		0.192	8%	1.25		0.969	0.189	8%
	96-2615	0.17	8%		0.151	9%	1.09		1.126	0.161	8%
	96-2615D	0.167	8%		0.183	8%	0.09		0.913	0.175	8% probably missed spiking the sample
	std			1.2			0.99		Avg. Std.	110%	
	blk				< 2e-3						
					average spike recovery			111%			
	96-2619	3.08E-05	16%		6.85E-05	15%	0.52		0.450	4.97E-05	38%
average		0.16862			0.180417		1.08				
standard dev.		0.02169			0.017032		0.27				
average overall		0.17428									

D. K. Tady 2/4/96
Review: L R Greenwood 2-12-96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02605 Description : 118.1AA.F

DF ---- .12620 ---> 100.00000 ---- .05001

Dilution Factor = 1.5845E+04 +/- 1.14%

Instrument	ludlum 6
Eff. Factor	.4235
Date	2/ 7/ 96
Total counts	478
Count time	60
Bkg C/M	.256
Bkg cnt time	900
Corrected C/M	7.71

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	2.88E+05	9.7	8.45E+03
	uCi/g	1.30E-01 ✓		3.81E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02605 Description : 118.1AA.F

Pipet Nos.: #15

DF ---.1262 g → 100 ml ---.05001 ml --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst K A Pappas Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 6
Eff. Factor	0.50	0.38054	0.4235
Date	__/__/__	__/__/__	2/7/96
Total counts			478
Count time			60
Bkg C/M			.254
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-Le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

~~Dup~~ Replicate

A.L.O. No. 96-02605 Description : 118.1AA.F

LRY-2-26-96

DF ---- .12620 ---> 100.00000 ---- .05001

Dilution Factor = 1.5845E+04 +/- 1.14%

Instrument	ludlum 8
Eff. Factor	.4355
Date	2/ 7/ 96
Total counts	586
Count time	60
Bkg C/M	.320
Bkg cnt time	900
Corrected C/M	9.45

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.44E+05	8.8	9.18E+03
	uCi/g	1.55E-01		4.13E-03

Data Entry by LR Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02605 Description : 118.1AA.F Duplicate

Duplicate

Pipet Nos.: #15

DF --- .1262 g → 100 ml --- .05001 ml --- --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst [illegible] Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 8
Eff. Factor	0.50	0.38054	0.4355
Date	/ /	/ /	2/7/96
Total counts			586
Count time			60
Bkg C/M	.	.	.330
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-Le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02605 MS Description : 118.1AA.F ^{239}Pu = 200.15 d/m/ml

DF ---- .09944

Dilution Factor = 1.0056E+01 +/- .50%

TTL 2/8/96

Instrument	ludlum ~~5~~ 2
Eff. Factor	.4186
Date	2/ 7/ 96
Total counts	936
Count time	60
Bkg C/M	.218
Bkg cnt time	900
Corrected C/M	15.38

TTL 2/9/96

(Avg.) — 3.70E+2 ~~2.77~~ 3.16E+5 × 1.0056E+1 / 1.5845E+4 ~~1.0056E+1~~ 1.94E+2 dpm/ml 1.69

TTL 2/9/96 9/9 85% TTL 2/9/96

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/ml	3.70E+02	7.0	5.02E+00
	uCi/ml	1.66E-04		2.26E-06

Data Entry by LRGreenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02605 MS Description : 118.1AA.F + Pu 237 W-42-5 200.15 oc/m/ml
#8 10/79

Pipet Nos.: #15 + .09944 ml std

DF ---.1262 → 100 ---.05001--- --- --- ---
g ml ml

Pipet checks are recorded on labsheets by pipet number

Analyst Ka Poppel Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 2
Eff. Factor	0.50___	0.38054	0.4 186
Date	__/__/__	__/__/__	2/7/96
Total counts			936
Count time			60
Bkg C/M	___.___	___.___	.218
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-Le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02605DUP Description : 118.1AA.F DUPLICATE

DF ---- .17080 ---> 100.00000 ---- .05001

Dilution Factor = 1.1707E+04 +/- 1.14%

Instrument	ludlum 7
Eff. Factor	.3971
Date	2/ 7/ 96
Total counts	608
Count time	60
Bkg C/M	.158
Bkg cnt time	900
Corrected C/M	9.98

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	2.94E+05	8.5	5.25E+03
	uCi/g	1.32E-01 ✓		2.37E-03

Data Entry by T Trang-le Date 2/8/96

Calculation and Analytical Data Sheet Reviewed by L R Greenwood Date 2-9-96

Pacific Northwest Laboratory

96

Total Alpha.....PNL-ALO-420 & 421

K36499 α

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02605DUP Description : 118 IAA.F DUPLICATE

#15

Pipet Nos.:

DF --- .1708 g → 100 ml --- .05001 ml --- --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst K G Pieppel Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 7
Eff. Factor	0.50	0.38054	0.43971
Date	/ /	/ /	2/7/96
Total counts			608
Count time			60
Bkg C/M	.	.	.158
Bkg cnt time			900

TT 3/4/96

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-Le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02607 Description : 118.2A.F

DF ---- .16880 ---> 100.00000 ---- .05001

Dilution Factor = 1.1846E+04 +/- 1.14%

Instrument	ludlum 3
Eff. Factor	.4321
Date	2/ 7/ 96
Total counts	797
Count time	60
Bkg C/M	.294
Bkg cnt time	900
Corrected C/M	12.99

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.56E+05	7.6	6.63E+03
	uCi/g	1.60E-01 ✓		2.99E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-Le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

K 36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02607 Description : 118.2A.F

Pipet Nos.: #15

DF --- .1688 g → 100 ml --- 0.5001 ml --- --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst K A Poppel Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum -3
Eff. Factor	0.50	0.38054	0.4321
Date	__/__/__	__/__/__	2/7/96
Total counts			797
Count time			60
Bkg C/M			.290
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Traing-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-026070UP Description : 118.2A.F DUPLICATE

DF ---- .15700 ---> 100.00000 ---- .05001

Dilution Factor = 1.2736E+04 +/- 1.14%

Instrument	ludlum 4
Eff. Factor	.4337
Date	2/ 7/ 96
Total counts	744
Count time	60
Bkg C/M	.278
Bkg cnt time	900
Corrected C/M	12.12

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.56E+05	7.9	6.91E+03
	uCi/g	1.60E-01 ✓		3.11E-03

Data Entry by LRGreenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trainge Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

K36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02607DUP Description : 118.2A.F DUPLICATE

#/S

Pipet Nos.:

DF ---.1570 → 100 --- .05001--- --- --- ---

S ml ml

Pipet checks are recorded on labsheets by pipet number

Analyst [signature] Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 4
Eff. Factor	0.50	0.38054	0.4337
Date	__/__/__	__/__/__	2/7/96
Total counts			744
Count time			60
Bkg C/M	.	.	.278
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename*_____

Analyst T Trang-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02609 Description : 118.3A.F

DF ---- .11300 ---> 100.00000 ---- .05001

Dilution Factor = 1.7696E+04 +/- 1.14%

Instrument	ludlum 5
Eff. Factor	.4174
Date	2/ 7/ 96
Total counts	660
Count time	60
Bkg C/M	.256
Bkg cnt time	900
Corrected C/M	10.74

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	4.55E+05	8.3	9.58E+03
	uCi/g	2.05E-01 ✓		4.32E-03

Data Entry by LRGreenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Tkang-Le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02609 Description : 118.3A.F

Pipet Nos.: #15

DF --- .1130 g → 100 ml --- .05001 ml --- --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst [signature] Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 5
Eff. Factor	0.50	0.38054	0.4174
Date	__/__/__	__/__/__	2/7/96
Total counts			660
Count time			60
Bkg C/M			.256
Bkg cnt time			9000

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Tsang-Le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-026090UP Description : 118.3A.F DUPLICATE

DF ---- .16120 ---> 100.00000 ---- .05001

Dilution Factor = 1.2404E+04 +/- 1.14%

Instrument	ludlum 6
Eff. Factor	.4235
Date	2/ 7/ 96
Total counts	872
Count time	60
Bkg C/M	.256
Bkg cnt time	900
Corrected C/M	14.28

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	4.18E+05	7.3	6.62E+03
	uCi/g	1.88E-01 ✓		2.98E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02609DUP Description : 118.3A.F DUPLICATE

Pipet Nos.: #15

DF --- .1612 g → 100 ml --- .0500 ml --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst [signature] Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 6
Eff. Factor	0.50	0.38054	0.4235
Date	__/__/__	__/__/__	2/7/96
Total counts			672
Count time			60
Bkg C/M			.256
Bkg cnt time			9000

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02611 Description : 119.1A.4

DF ---- .18440 ---> 100.00000 ---- .05001

Dilution Factor = 1.0844E+04 +/- 1.14%

Instrument	ludlum 7
Eff. Factor	.3971
Date	2/ 7/ 96
Total counts	928
Count time	60
Bkg C/M	.158
Bkg cnt time	900
Corrected C/M	15.31

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	4.18E+05	7.1	4.87E+03
	uCi/g	1.88E-01 ✓		2.19E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory

Total Alpha.....PNL-ALO-420 & 421

96095 TMW 3/28/96

K 36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02611 Description : 119.1A.4

Pipet Nos.: #15

DF --- .1844 g → 100 ml --- .05001 ml --- --- --- ---

Pipet checks are recorded on labsheets by pipet number

Analyst K G Poppel Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 7
Eff. Factor	0.50	0.38054	0.43971
Date	__/__/__	__/__/__	2/7/96
Total counts			928
Count time			60
Bkg C/M			.158
Bkg cnt time			900

TLC 3/4/96

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-Le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02611DUP Description : 119.1A.F DUPLICATE

DF ---- .17350 ---> 100.00000 ---- .05001

Dilution Factor = 1.1525E+04 +/- 1.14%

Instrument	ludlum 8
Eff. Factor	.4355
Date	2/ 7/ 96
Total counts	893
Count time	60
Bkg C/M	.320
Bkg cnt time	900
Corrected C/M	14.56

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.85E+05	7.2	6.68E+03
	uCi/g	1.74E-01 ✓		3.01E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

K36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02611DUP Description : 119.1A.F DUPLICATE

Pipet Nos.: 1/5

DF ---.1735 → 100 --- .05001--- --- --- ---
g ml ml

Pipet checks are recorded on labsheets by pipet number

Analyst [signature] Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum - 8
Eff. Factor	0.50	0.38054	0.4355
Date	__/__/__	__/__/__	2/7/96
Total counts			893
Count time			60
Bkg C/M	___.___	___.___	.320
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02613 Description : 119.2A.4

DF ---- .15440 ---> 100.00000 ---- .05001

Dilution Factor = 1.2951E+04 +/- 1.14%

Instrument	ludlum 10
Eff. Factor	.4222
Date	2/ 7/ 96
Total counts	786
Count time	60
Bkg C/M	.292
Bkg cnt time	900
Corrected C/M	12.81

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.93E+05	7.7	7.40E+03
	uCi/g	1.77E-01		3.33E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory

Total Alpha.....PNL-ALO-420 & 421

K36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02613 Description : 119.2A.4

Pipet Nos.: #15

DF --- .1544 → 100 --- .05001 --- --- --- ---

5 ml ml

Pipet checks are recorded on labsheets by pipet number

Analyst YA Pepper Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum -10
Eff. Factor	0.50	0.38054	0.4222
Date	__/__/__	__/__/__	2/7/96
Total counts			786
Count time			60
Bkg C/M			.292
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02613DUP Description : 119.2A.F DUPLICATE

DF ---- .14080 ---> 100.00000 ---- .05001

Dilution Factor = 1.4202E+04 +/- 1.14%

Instrument	ludlum 3
Eff. Factor	.4321
Date	2/ 7/ 96
Total counts	770
Count time	60
Bkg C/M	.294
Bkg cnt time	900
Corrected C/M	12.54

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	4.12E+05	7.7	7.95E+03
	uCi/g	1.86E-01 ✓		3.58E-03

Data Entry by L.R. Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory

Total Alpha.....PNL-ALO-420 & 421

K36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02613DUP Description : 119.2A.F DUPLICATE

Pipet Nos.: #/S

DF ---.1408 → 100 --- .0500/ --- --- --- ---
g me me

Pipet checks are recorded on labsheets by pipet number

Analyst [signature] Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum -3
Eff. Factor	0.50	0.38054	0.4321
Date	__/__/__	__/__/__	2/7/96
Total counts			770
Count time			60
Bkg C/M	___.___	___.___	.294
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02615 Description : 119.3A.F

DF ---- .15120 ---> 100.00000 ---- .05001

Dilution Factor = 1.3225E+04 +/- 1.14%

Instrument	ludlum 4
Eff. Factor	.4337
Date	2/ 7/ 96
Total counts	759
Count time	60
Bkg C/M	.278
Bkg cnt time	900
Corrected C/M	12.37

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.77E+05	7.8	7.18E+03
	uCi/g	1.70E-01		3.23E-03

Data Entry by L Bucewood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

K36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02615 Description : 119.3A.F

#15

Pipet Nos.:

DF --- .1512 → 100 --- .05001 --- --- --- ---
S ml ml

Pipet checks are recorded on labsheets by pipet number

Analyst KA Pappel Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum -4
Eff. Factor	0.50	0.38054	0.4337
Date	__/__/__	__/__/__	2/7/96
Total counts			759
Count time			60
Bkg C/M			.278
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-le 2/7/96

Pacific Northwest Laboratory 96095

Total Alpha.....PNL-ALO-420 & 421

Customer : TWRS Date Received 2/ 7/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. 96-02615DUP Description : 119.3A.F DUPLICATE

DF ---- .16070 ---> 100.00000 ---- .05001

Dilution Factor = 1.2443E+04 +/- 1.14%

Instrument	ludlum 5
Eff. Factor	.4174
Date	2/ 7/ 96
Total counts	760
Count time	60
Bkg C/M	.256
Bkg cnt time	900
Corrected C/M	12.41

Calculation and Results

		Activity	Uncertainty,%	MDA
Total Alpha	dpm/g	3.70E+05	7.8	6.74E+03
	uCi/g	1.67E-01		3.03E-03

Data Entry by L R Greenwood Date 2-8-96

Calculation and Analytical Data Sheet Reviewed by T Trang-le Date 2/8/96

Pacific Northwest Laboratory 96

Total Alpha.....PNL-ALO-420 & 421

K36499

Customer : TWRS Date Received : 02/ 07/ 96 Work order : K41903 ARF(SOW) : ASR 2785

A.L.O. No. : 96-02615DUP Description : 119.3A.F DUPLICATE

Pipet Nos.:

DF ---1607 → 150 ---.05001 --- --- --- ---
g ml ml

Pipet checks are recorded on labsheets by pipet number

Analyst Ka Pappel Date 2/7/96

Instrument	P.A.C. - ___	G.E. ASC.	Ludlum -5
Eff. Factor	0.50	0.38054	0.4174
Date	__/__/__	__/__/__	2/7/96
Total counts			760
Count time			60
Bkg C/M	___.___	___.___	.256
Bkg cnt time			900

Alpha Energy Analysis Det. # A_____

Filename _____

Analyst T Trang-le 2/7/96