RECEIVED SEPTEMBER 9, 2008

Fluor Hanford
WSCF Analytical Lab
P.O. Box 1000
Richland, WA 99352
Telephone 373-7495
Telefax 372-0456

FLUOR

Memorandum

M4W41-SLF-08-976

To: H. Hampt E6-35 Date: September 9, 2008

From: S. L. Fitzgerald, Manager
WSCF Analytical Lab

cc: w/Attachments

T. F. Dale	S3-30	J. E. Trechter	S3-30
A. J. Kopriva	S3-30	S. J. Trent	E6-35
H. K. Meznarich	S3-30	File/LB	
P. D. Mix	S3-30		

Subject: RDR #R5142 – REQUEST FOR RECHECK OF ANION DATA - WSCF20081505 – SAF NUMBER F06-027

Reference:
(1) Memo, SL Fitzgerald to H Hampt, Final Results for SDG WSCF20081505 (M4W41-SLF-08-858), dated August 19, 2008

(2) Groundwater Protection Program-Letter of Instruction, FH-EIS-2003-MEM-001, October 31, 2002

(3) HNF-SD-CD-QAPP-017, Rev. 9, Waste Sampling & Characterization Facility Quality Assurance Plan

On September 4, 2008, RDR #R5142 requesting a recheck of anion data was received by the WSCF Laboratory. This letter contains the following RDR information for sample delivery group WSCF20081505:

- Recheck, Recount, or Reanalysis Order #R5142, dated September 4, 2008
- Bench Data

Sample data were reviewed and no anomalies were identified.

If you have any questions, don't hesitate to call on Pauline Mix, telephone 372-1488, for assistance.

SLF/grf

Attachments
As noted

RECEIVED
FEB 03 2009
EDMC

09/04/2008
RECHECK, RECOUNT, OR REANALYSIS ORDER
CONTRACT NO MW6-SBB-A19981

Waste Sampling &
600 AREA Hanford, MSIN
Richland, WA 99352

Battelle PNNL Order Number: 080904WSCF-R5142

Sample Delivery Group: WSCF20081505

Special Instructions None

Samples(s)

Lab Sample ID	PNNL Sample	Action	TAT	METHOD_NAME:
W08GR02774	B1WB88	Recheck	15/15	300.0_ANIONS_IC

IC408 07/23/08 WL 37258

Run Log & LogBook confirm Raw Data analysis @ 20x, 50lx

Peak Integration OK

Batch QC OK

Results OK

TS 09/09/08

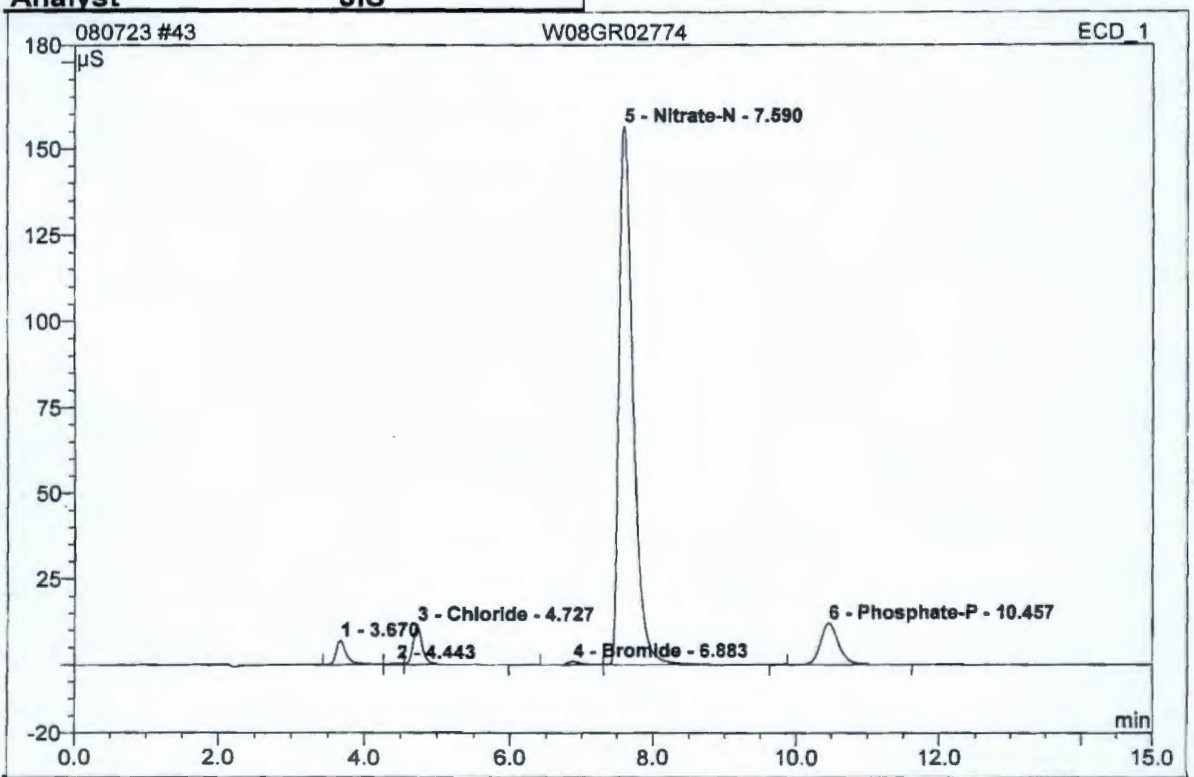
Deliver Report Results to: Fluor Hanford, Inc.
1200 Jadwin Ave.
Richland, WA 99352
C/O Mr. Steve Trent

The report results must reference the Battelle PNNL-order number, SDG number, and the Battelle PNNL sample identification number shown above.

43 W08GR02774

Sample Name:	**W08GR02774**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 17:32**		
Vial Number:	**27**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**20**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

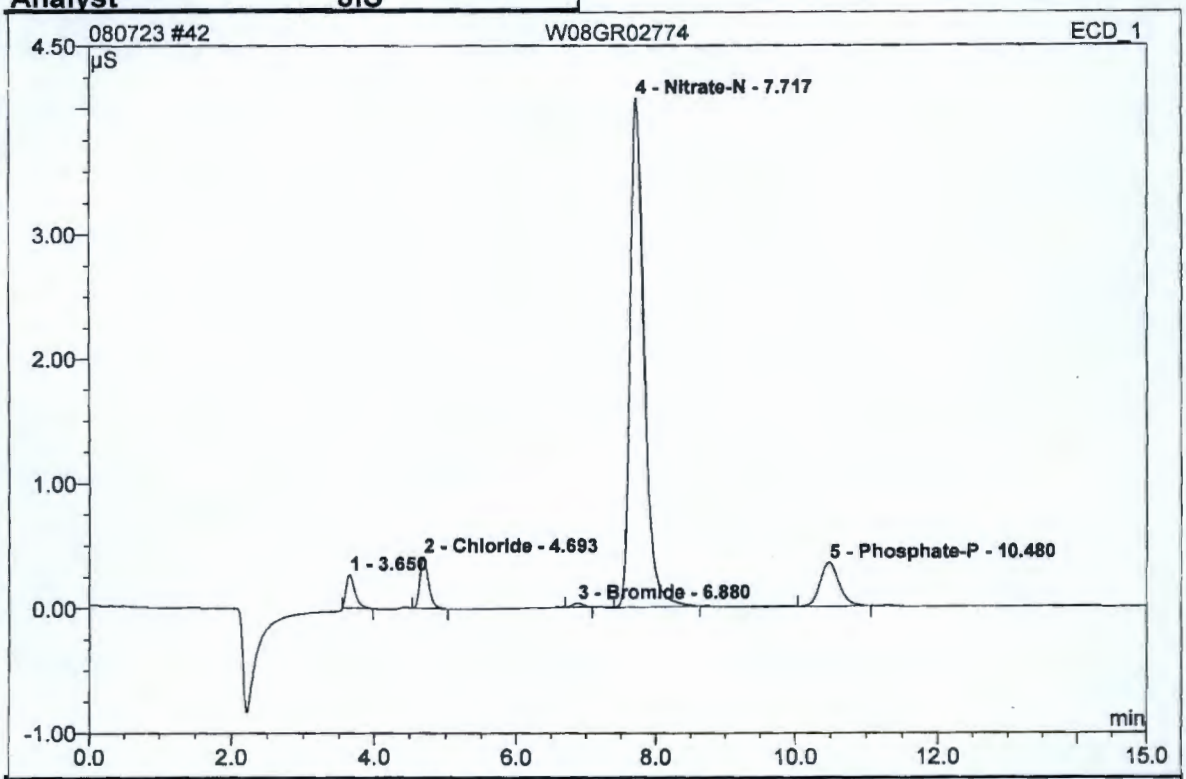


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.67	n.a.	n.a.	1.139	2.686	6.980	M
2	4.44	n.a.	n.a.	0.070	0.166	0.401	M
3	4.73	Chloride	250.9683	1.754	4.137	11.554	MB
4	6.88	Bromide	71.4117	0.196	0.462	0.972	BM
5	7.59	Nitrate-N	1138.0259	35.636	84.065	156.336	MB
6	10.46	Phosphate-P	561.0796	3.596	8.483	12.080	BMB
Total:			2021.486	42.391	100.000	188.32	

42 W08GR02774

Sample Name:	**W08GR02774**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 17:13**		
Vial Number:	**26**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**501**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

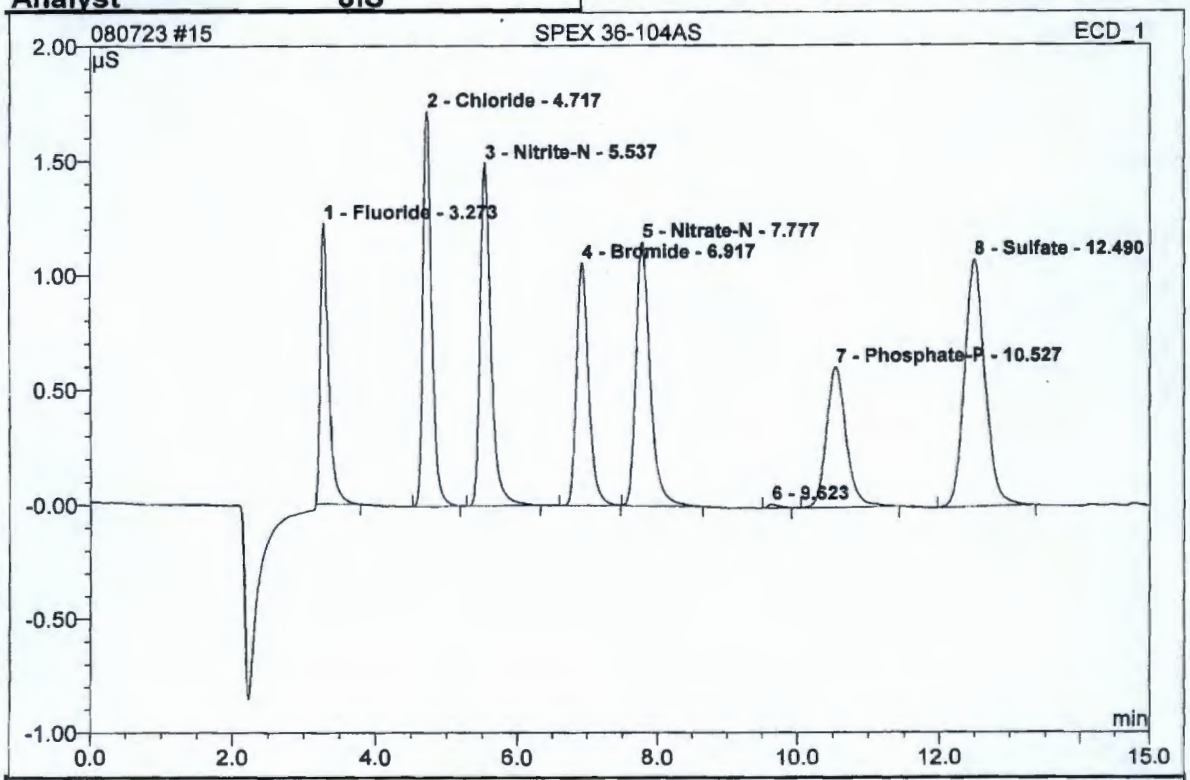


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.65	n.a.	n.a.	0.037	3.263	0.265	BMB
2	4.69	Chloride	224.0841	0.057	4.999	0.412	BMB
3	6.88	Bromide	47.6306	0.005	0.450	0.031	BMB
4	7.72	Nitrate-N	1507.6740	0.939	81.910	4.075	BMB
5	10.48	Phosphate-P	494.6236	0.107	9.377	0.348	BMB
Total:			2274.012	1.146	100.000	5.13	

15 SPEX 36-104AS

Sample Name:	**SPEX 36-104AS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 8:59**		
Vial Number:	**3**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**102**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

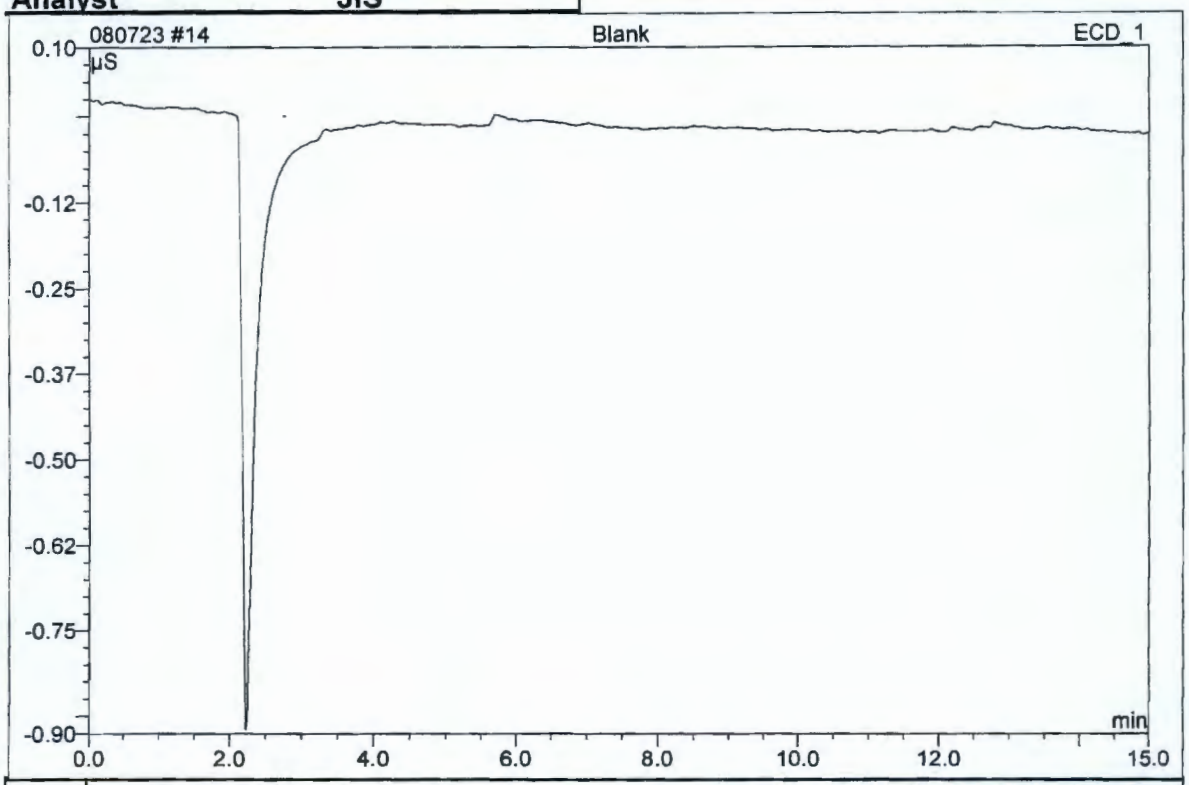


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.27	Fluoride	96.6307	0.163	9.457	1.223	BMB
2	4.72	Chloride	194.1022	0.246	14.329	1.721	BMB
3	5.54	Nitrite-N	98.4129	0.266	15.466	1.495	BMB
4	6.92	Bromide	396.8348	0.214	12.423	1.056	BMB
5	7.78	Nitrate-N	92.3640	0.271	15.780	1.149	BMB
6	9.62	n.a.	n.a.	0.003	0.178	0.017	BMB
7	10.53	Phosphate-P	182.7296	0.196	11.400	0.612	BMB
8	12.49	Sulfate	385.6410	0.361	20.968	1.076	BMB
Total:			1446.715	1.720	100.000	8.35	

14 Blank

Sample Name:	**Blank**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 8:41**		
Vial Number:	**1**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**1**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

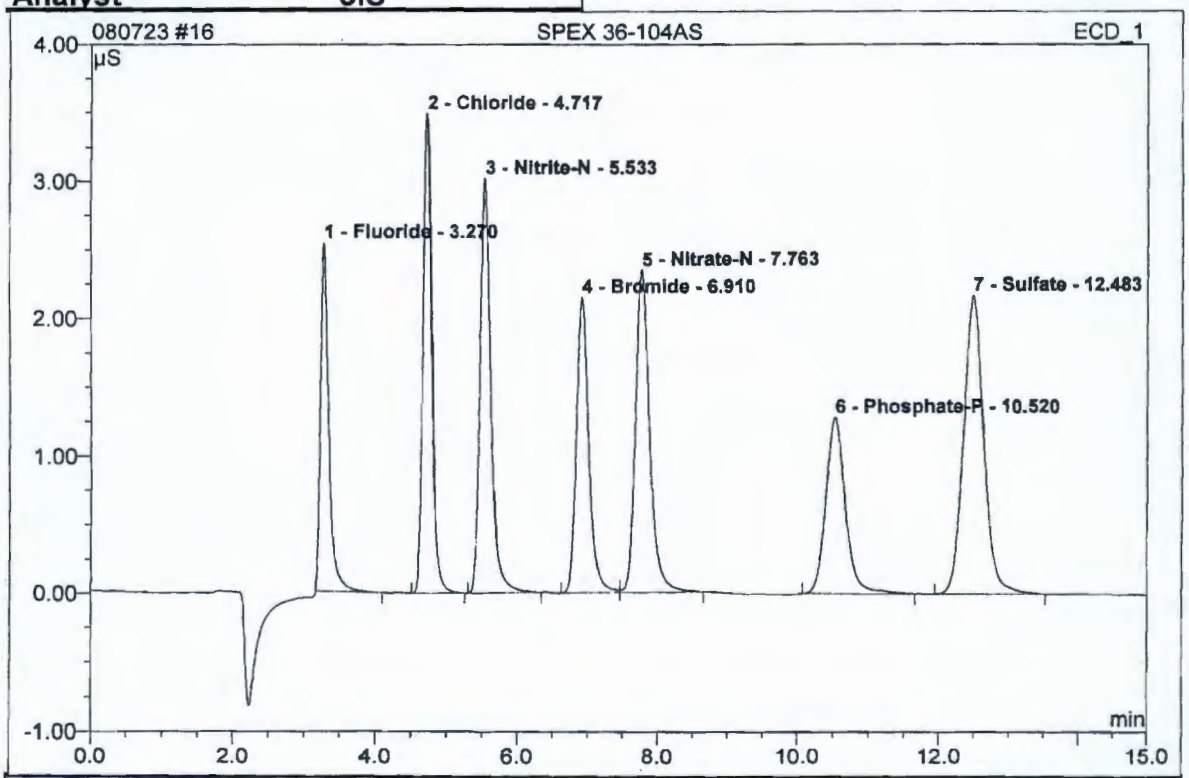


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
Total:			0.000	0.000	0.000	0.00	

16 SPEX 36-104AS

Sample Name:	**SPEX 36-104AS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 9:18**		
Vial Number:	**4**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**52**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

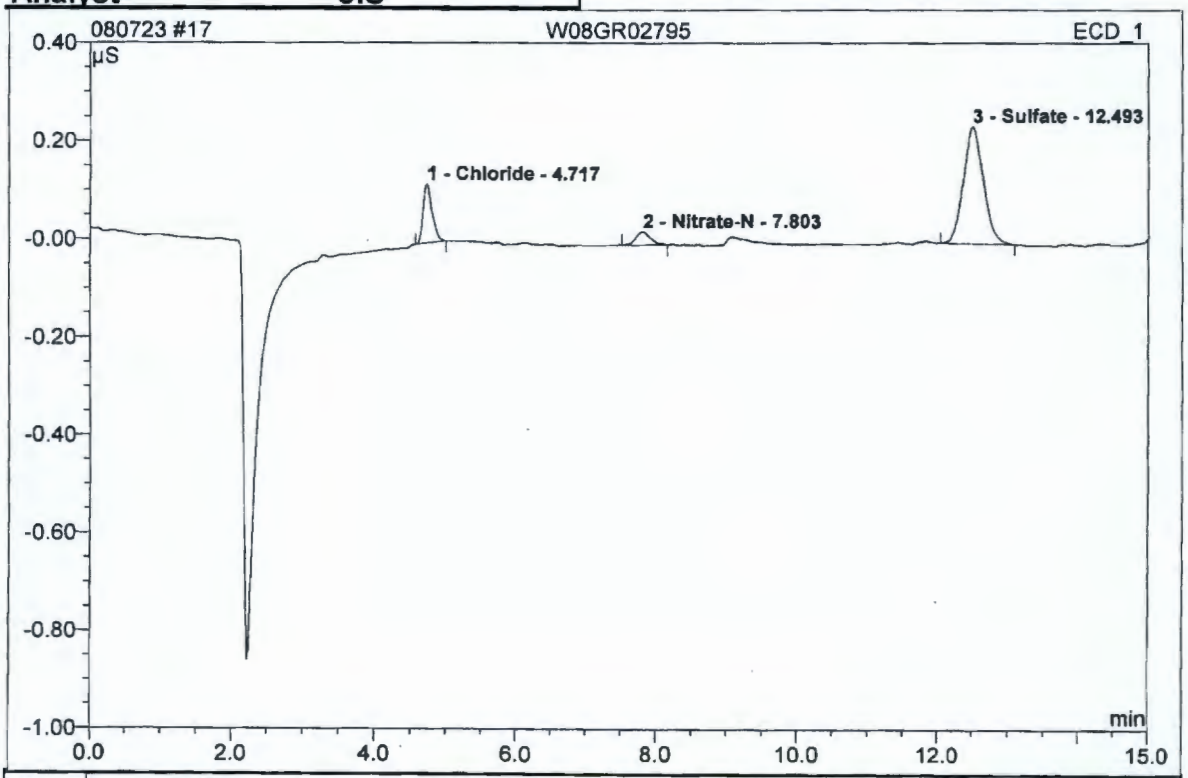


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.27	Fluoride	99.1376	0.336	9.632	2.536	BMB
2	4.72	Chloride	196.2808	0.496	14.189	3.494	BMB
3	5.53	Nitrite-N	99.0538	0.532	15.227	3.019	BMB
4	6.91	Bromide	410.0355	0.439	12.558	2.149	BM
5	7.76	Nitrate-N	94.1043	0.552	15.800	2.345	MB
6	10.52	Phosphate-P	191.6119	0.408	11.687	1.280	BMB
7	12.48	Sulfate	394.8628	0.730	20.907	2.169	BMB
Total:			1485.087	3.493	100.000	16.99	

17 W08GR02795

Sample Name:	**W08GR02795**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 9:36**		
Vial Number:	**5**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

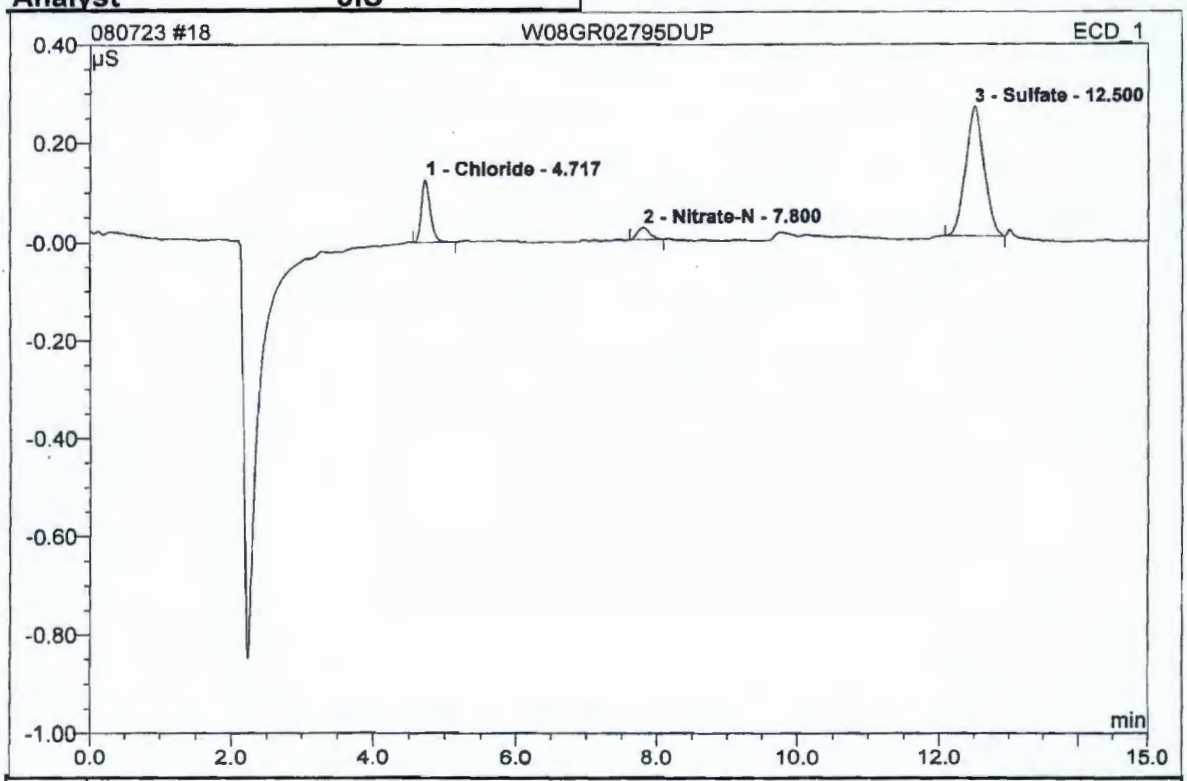


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	4.72	Chloride B	1.3913	0.018	17.305	0.120	BMB
2	7.80	Nitrate-N B	0.2205	0.006	6.320	0.027	BMB
3	12.49	Sulfate B	8.2810	0.078	76.375	0.238	BMB
Total:			9.893	0.103	100.000	0.39	

18 W08GR02795DUP

Sample Name:	**W08GR02795DUP**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 9:54**		
Vial Number:	**6**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

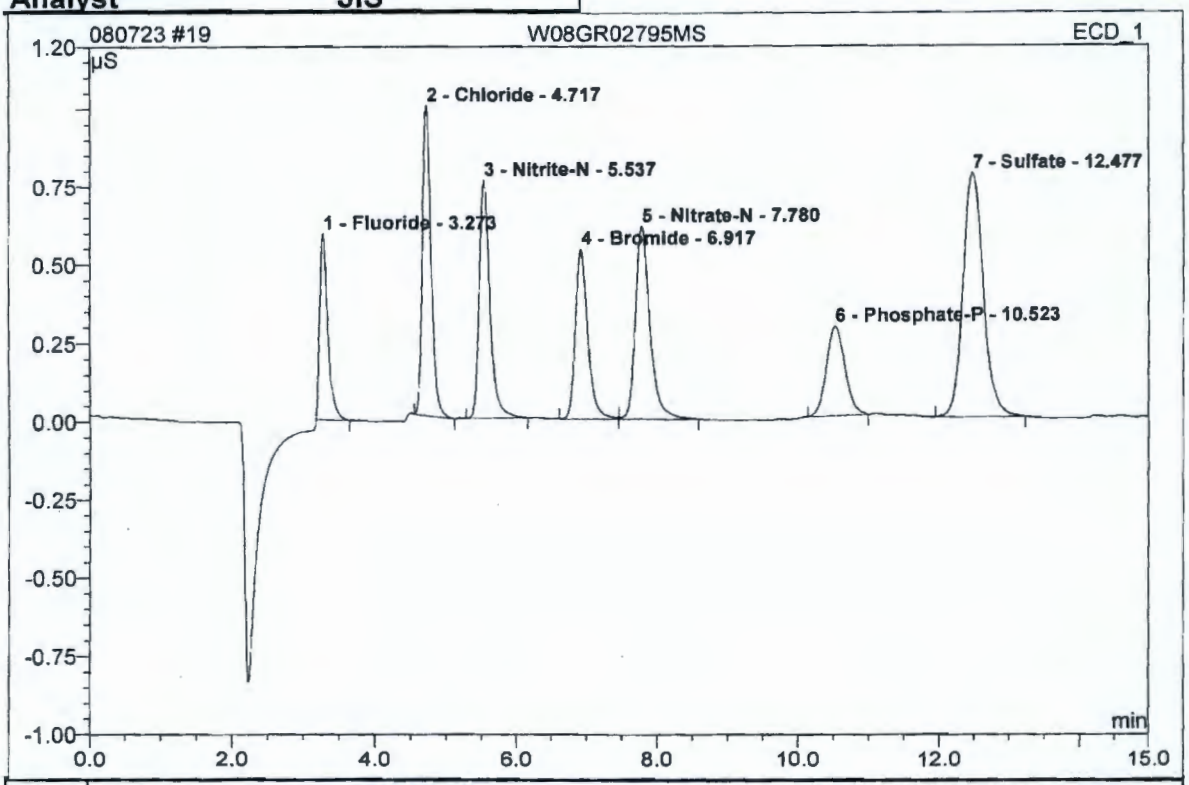


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	4.72	Chloride	1.3994	0.018	17.322	0.125	BMB
2	7.80	Nitrate-N	0.1673	0.005	4.773	0.024	BMB
3	12.50	Sulfate	8.4875	0.080	77.905	0.262	BMB
Total:			10.054	0.103	100.000	0.41	

19 W08GR02795MS

Sample Name:	**W08GR02795MS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 10:13**		
Vial Number:	**7**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

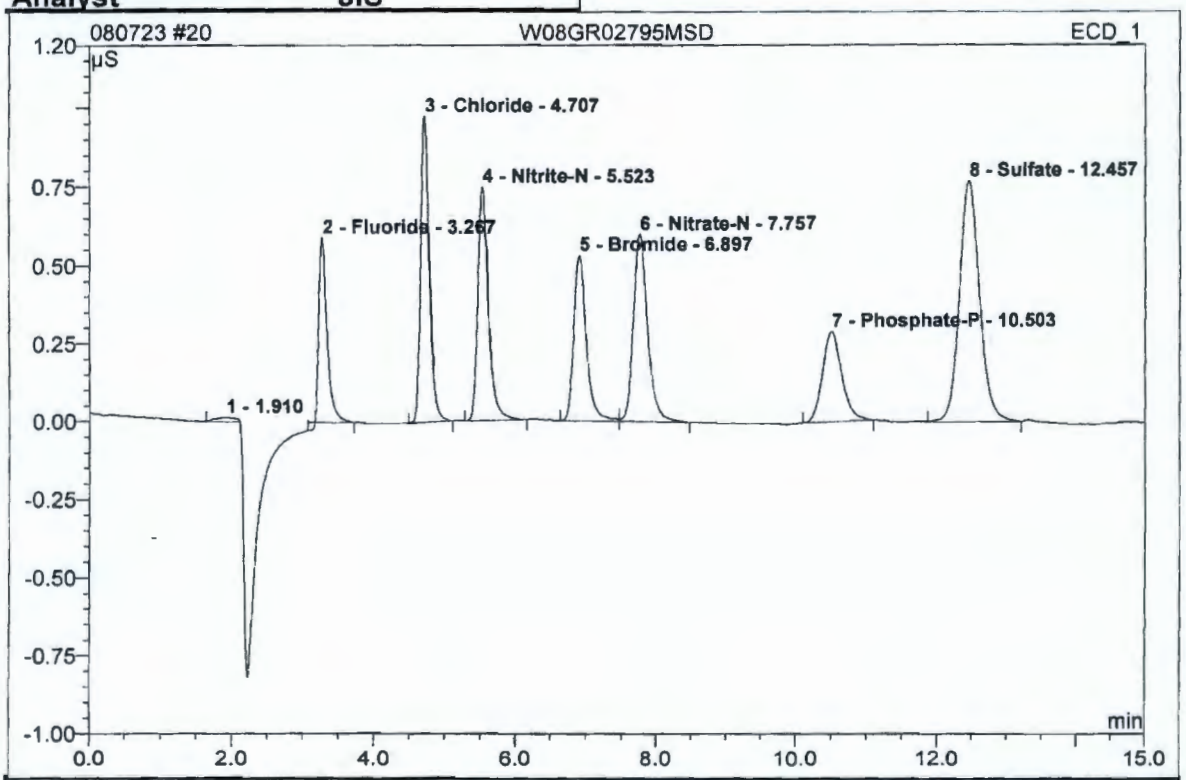


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.27	Fluoride	4.5386	0.077	8.010	0.593	BMB
2	4.72	Chloride	10.8246	0.139	14.530	0.992	BMB
3	5.54	Nitrite-N	4.9117	0.135	14.031	0.761	BMB
4	6.92	Bromide	20.4267	0.112	11.630	0.541	BM
5	7.78	Nitrate-N	4.9725	0.148	15.419	0.615	MB
6	10.52	Phosphate-P	8.0785	0.088	9.162	0.287	BMB
7	12.48	Sulfate	27.4245	0.261	27.219	0.781	BMB
Total:			81.177	0.959	100.000	4.57	

20 W08GR02795MSD

Sample Name:	**W08GR02795MSD**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 10:31**		
Vial Number:	**8**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

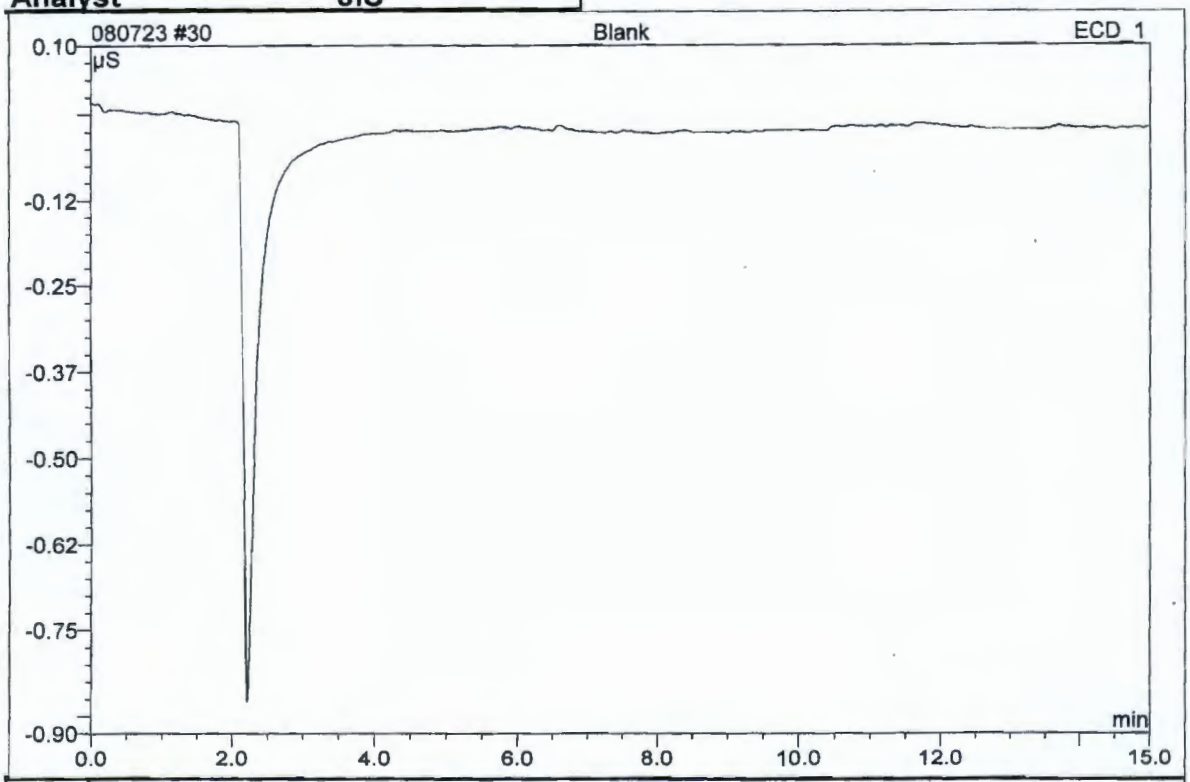


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	1.91	n.a.	n.a.	0.005	0.494	0.014	BM
2	3.27	Fluoride	4.5232	0.077	8.025	0.593	MB
3	4.71	Chloride	10.7889	0.139	14.560	0.978	BMB
4	5.52	Nitrite-N	4.7758	0.131	13.713	0.748	BMB
5	6.90	Bromide	20.2294	0.110	11.579	0.531	BM
6	7.76	Nitrate-N	4.7787	0.142	14.892	0.601	MB
7	10.50	Phosphate-P	8.4529	0.092	9.640	0.290	BMB
8	12.46	Sulfate	27.1594	0.258	27.099	0.770	BMB
Total:			80.708	0.954	100.000	4.52	

30 Blank

Sample Name:	**Blank**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 13:34**		
Vial Number:	**1**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**1**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

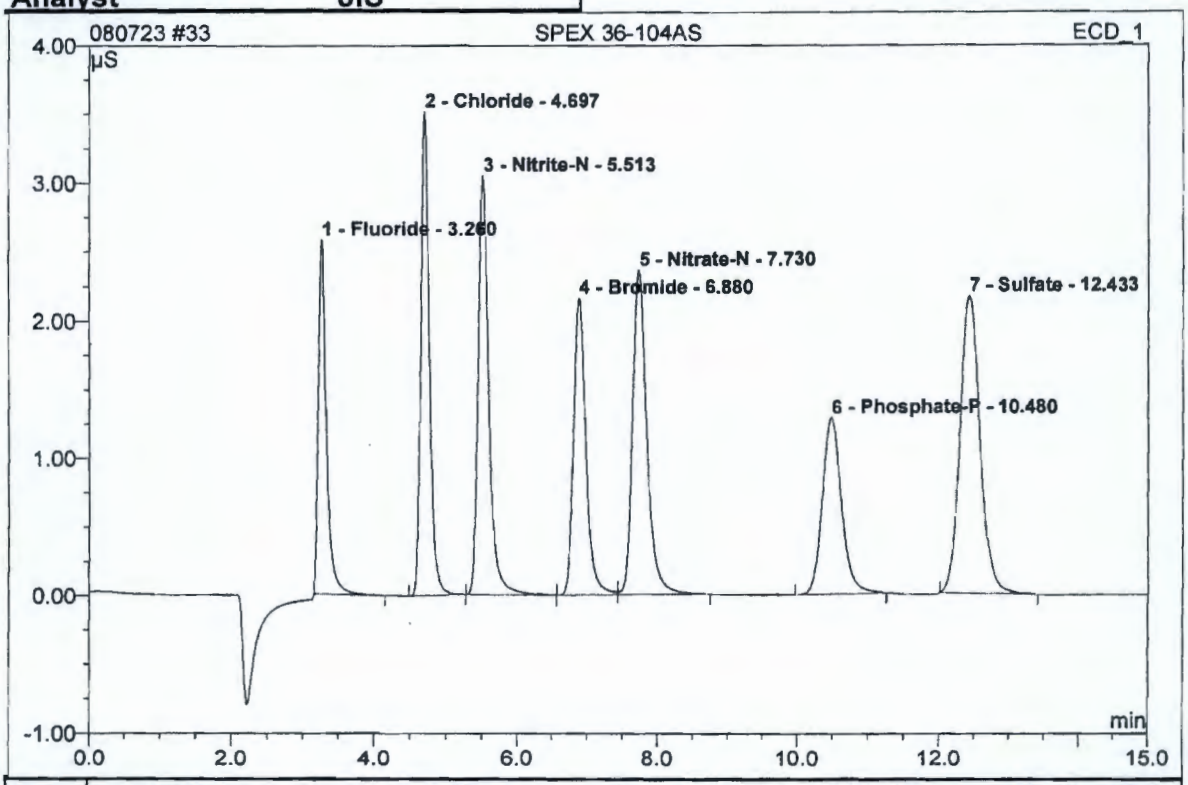


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
Total:			0.000	0.000	0.000	0.00	

33 SPEX 36-104AS

Sample Name:	**SPEX 36-104AS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 14:29**		
Vial Number:	**4**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**52**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

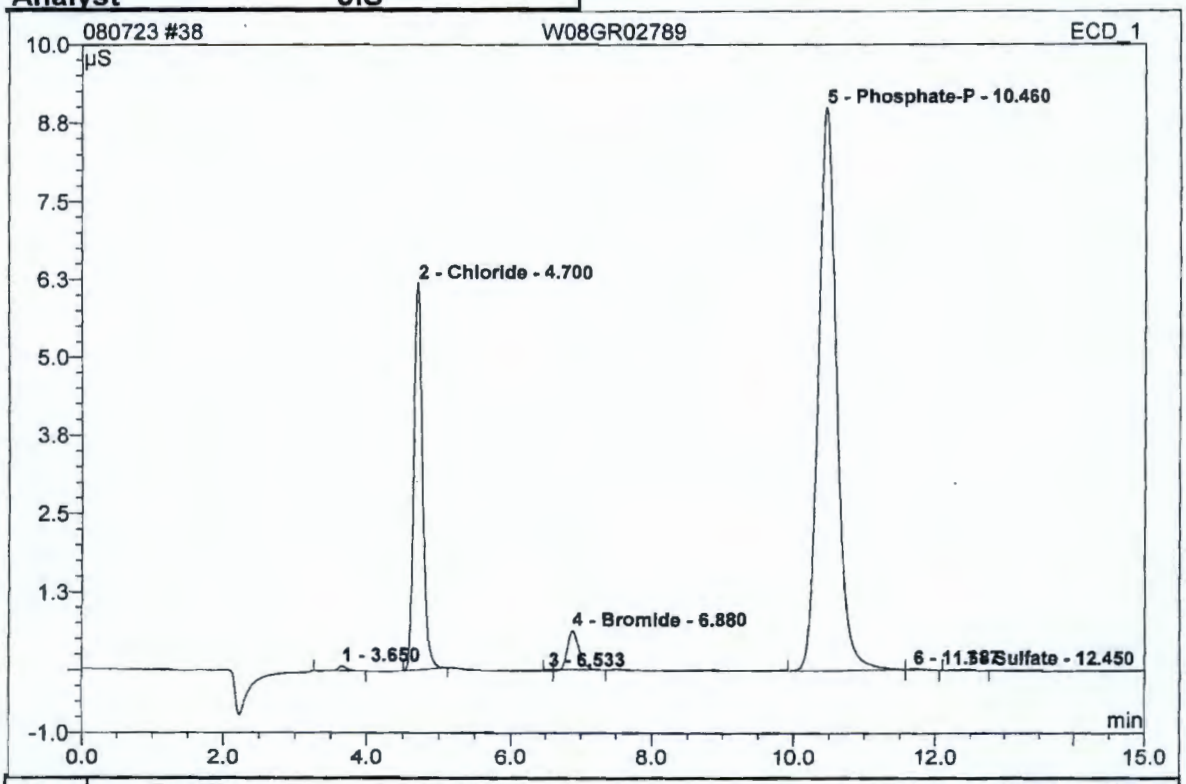


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.26	Fluoride	98.9482	0.336	9.682	2.575	BMB
2	4.70	Chloride	195.5262	0.494	14.235	3.518	BMB
3	5.51	Nitrite-N	99.5809	0.535	15.421	3.046	BMB
4	6.88	Bromide	409.4043	0.438	12.628	2.160	BM
5	7.73	Nitrate-N	94.3426	0.553	15.956	2.359	MB
6	10.48	Phosphate-P	187.3907	0.399	11.507	1.282	BMB
7	12.43	Sulfate	385.8632	0.713	20.571	2.161	BMB
Total:			1471.056	3.468	100.000	17.10	

38 W08GR02789

Sample Name:	**W08GR02789**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 16:00**		
Vial Number:	**22**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

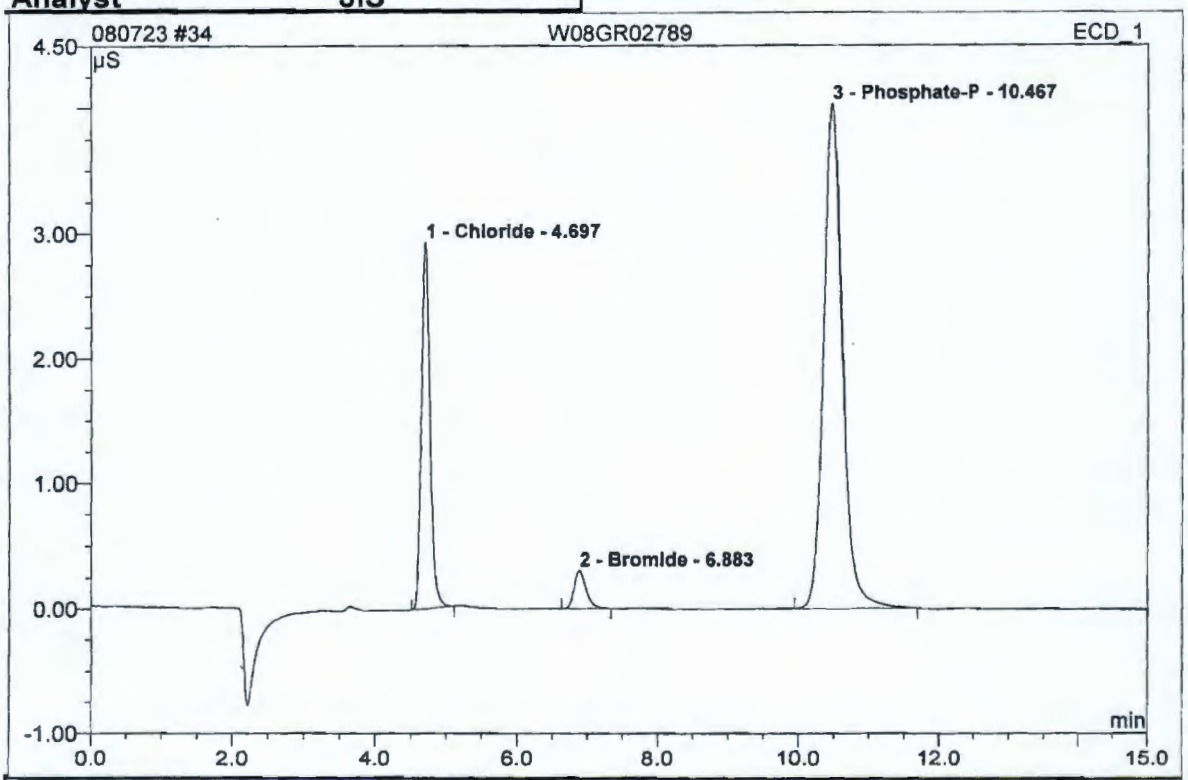


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.65	n.a.	n.a.	0.011	0.303	0.077	MB
2	4.70	Chloride	64.2165	0.860	23.182	6.182	BMB
3	6.53	n.a.	n.a.	0.003	0.092	0.025	M
4	6.88	Bromide	21.5377	0.118	3.172	0.616	MB
5	10.46	Phosphate-P	218.6146	2.706	72.971	8.991	BMB
6	11.69	n.a.	n.a.	0.004	0.120	0.021	BMB
7	12.45	Sulfate	0.6255	0.006	0.160	0.018	BMB
Total:			304.994	3.708	100.000	15.93	

34 W08GR02789

Sample Name:	**W08GR02789**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 14:47**		
Vial Number:	**18**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**20**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

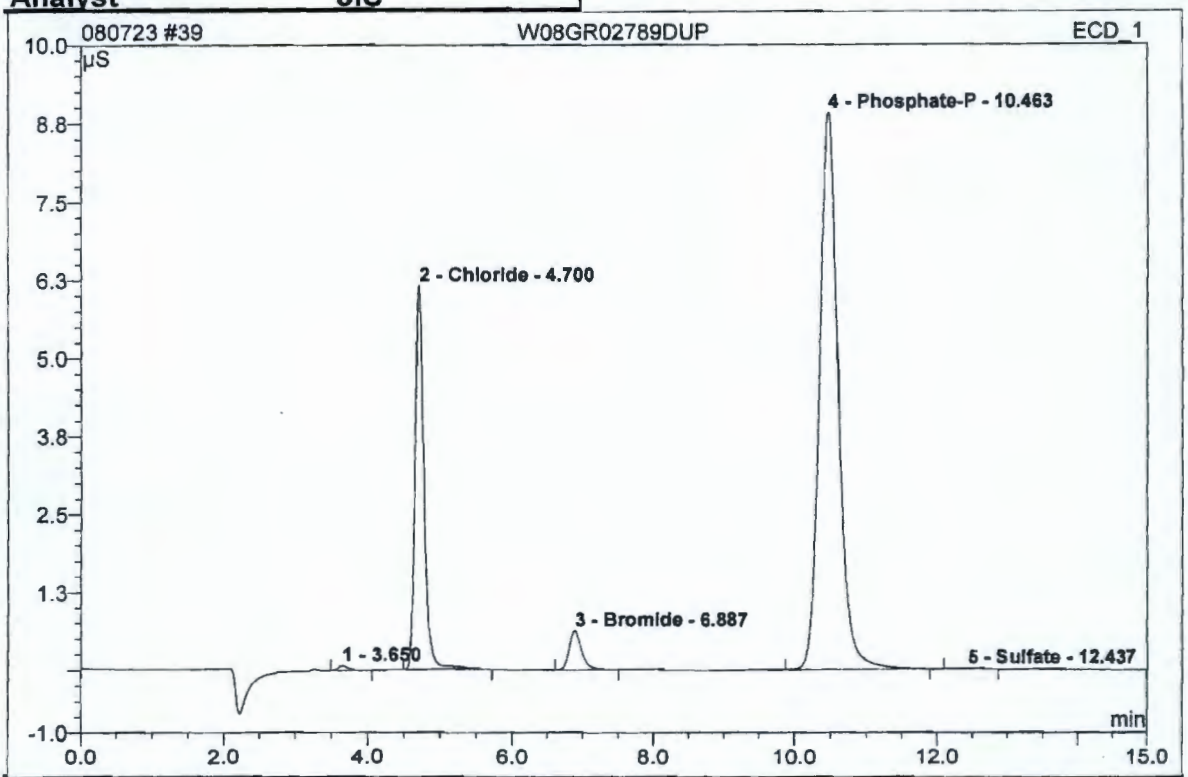


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	4.70	Chloride	62.7122	0.410	23.823	2.931	BMB
2	6.88	Bromide	22.6229	0.062	3.579	0.305	BMB
3	10.47	Phosphate-P	215.5762	1.249	72.598	4.032	BMB
Total:			300.911	1.720	100.000	7.27	

39 W08GR02789DUP

Sample Name:	**W08GR02789DUP**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 16:19**		
Vial Number:	**23**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

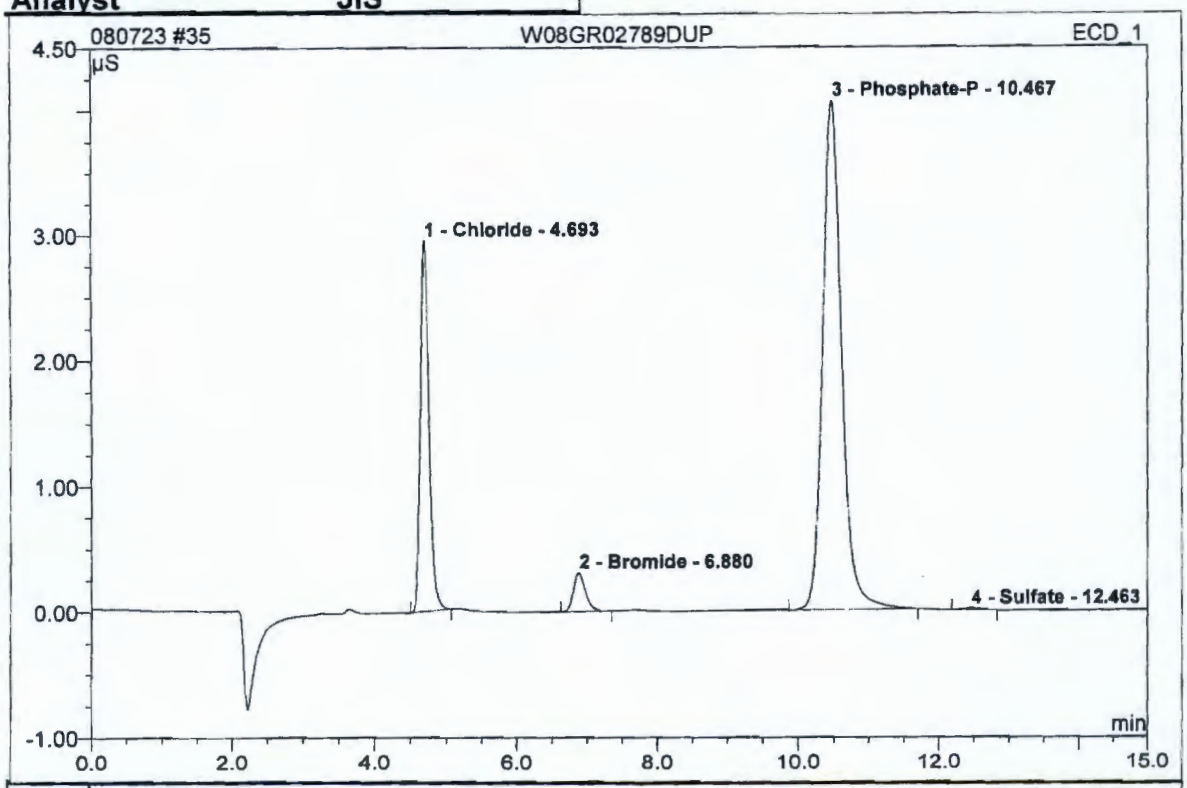


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.65	n.a.	n.a.	0.013	0.341	0.080	BMB
2	4.70	Chloride	65.9877	0.884	23.736	6.150	BMB
3	6.89	Bromide	23.2150	0.127	3.405	0.626	BMB
4	10.46	Phosphate-P	217.9229	2.696	72.357	8.911	BMB
5	12.44	Sulfate	0.6363	0.006	0.162	0.018	BMB
Total:			307.762	3.726	100.000	15.78	

35 W08GR02789DUP

Sample Name:	**W08GR02789DUP**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 15:05**		
Vial Number:	**19**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**20**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

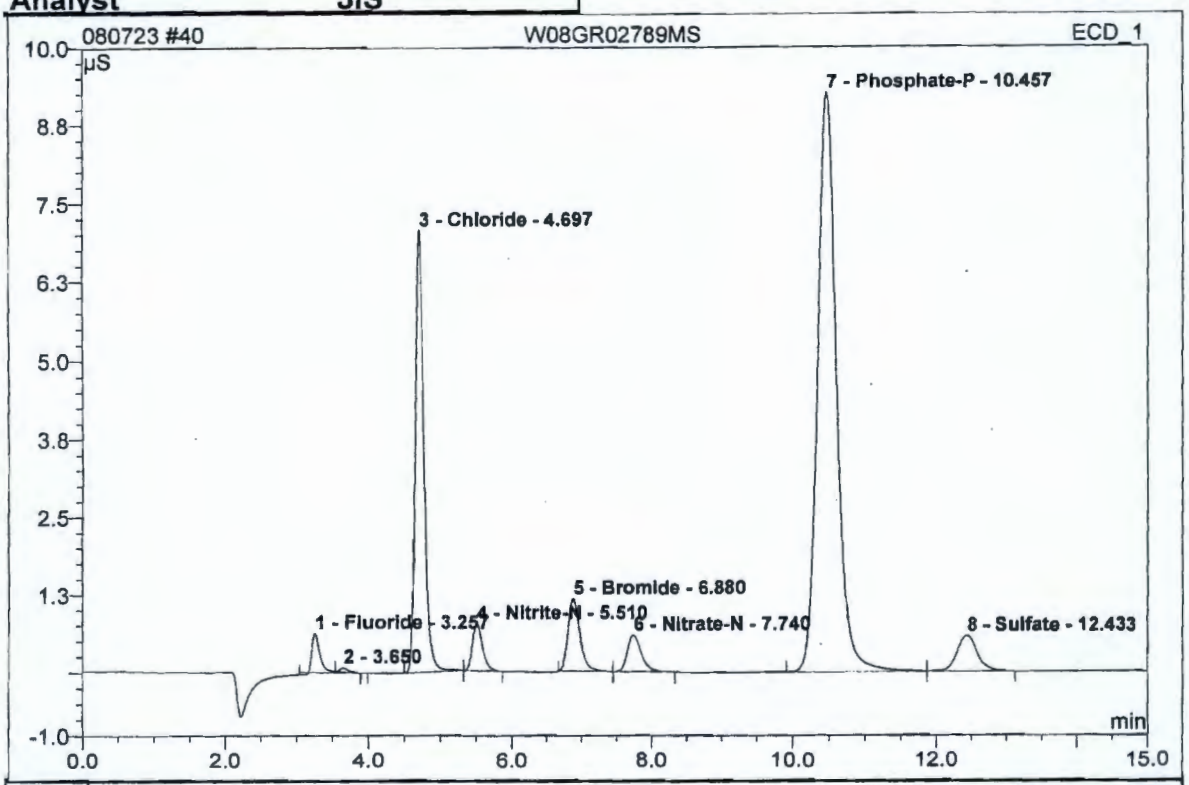


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	4.69	Chloride	62.8991	0.411	23.655	2.955	BMB
2	6.88	Bromide	22.5457	0.061	3.531	0.308	BMB
3	10.47	Phosphate-P	217.5848	1.261	72.580	4.065	BMB
4	12.46	Sulfate	0.8599	0.004	0.234	0.014	BMB
Total:			303.889	1.738	100.000	7.34	

40 W08GR02789MS

Sample Name:	**W08GR02789MS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 16:37**		
Vial Number:	**24**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

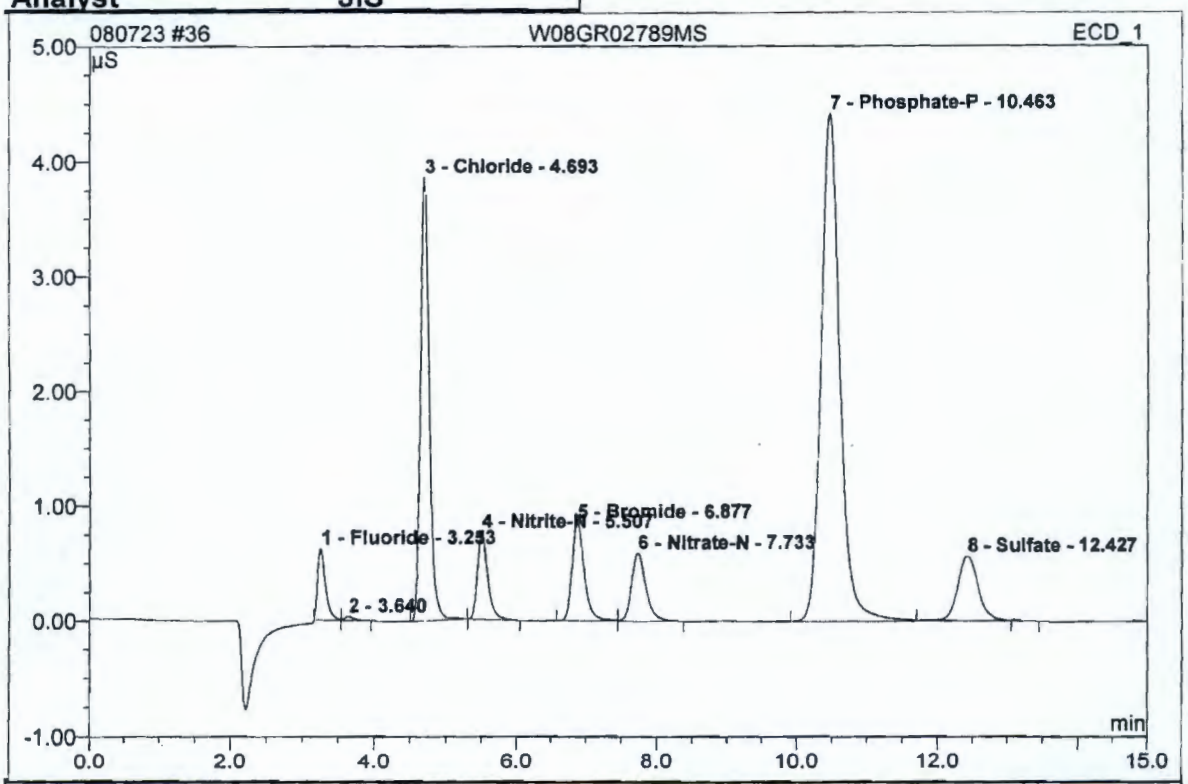


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.26	Fluoride	4.6669	0.079	1.734	0.626	MB
2	3.65	n.a.	n.a.	0.009	0.191	0.067	Rd
3	4.70	Chloride	73.6532	0.993	21.785	7.069	BMb
4	5.51	Nitrite-N	4.5661	0.125	2.744	0.757	bMB
5	6.88	Bromide	42.0090	0.231	5.069	1.163	BM
6	7.74	Nitrate-N	4.5038	0.134	2.936	0.585	MB
7	10.46	Phosphate-P	225.1549	2.797	61.392	9.255	BM
8	12.43	Sulfate	19.8932	0.189	4.148	0.564	MB
Total:			374.447	4.556	100.000	20.09	

36 W08GR02789MS

Sample Name:	**W08GR02789MS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 15:24**		
Vial Number:	**20**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**20**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

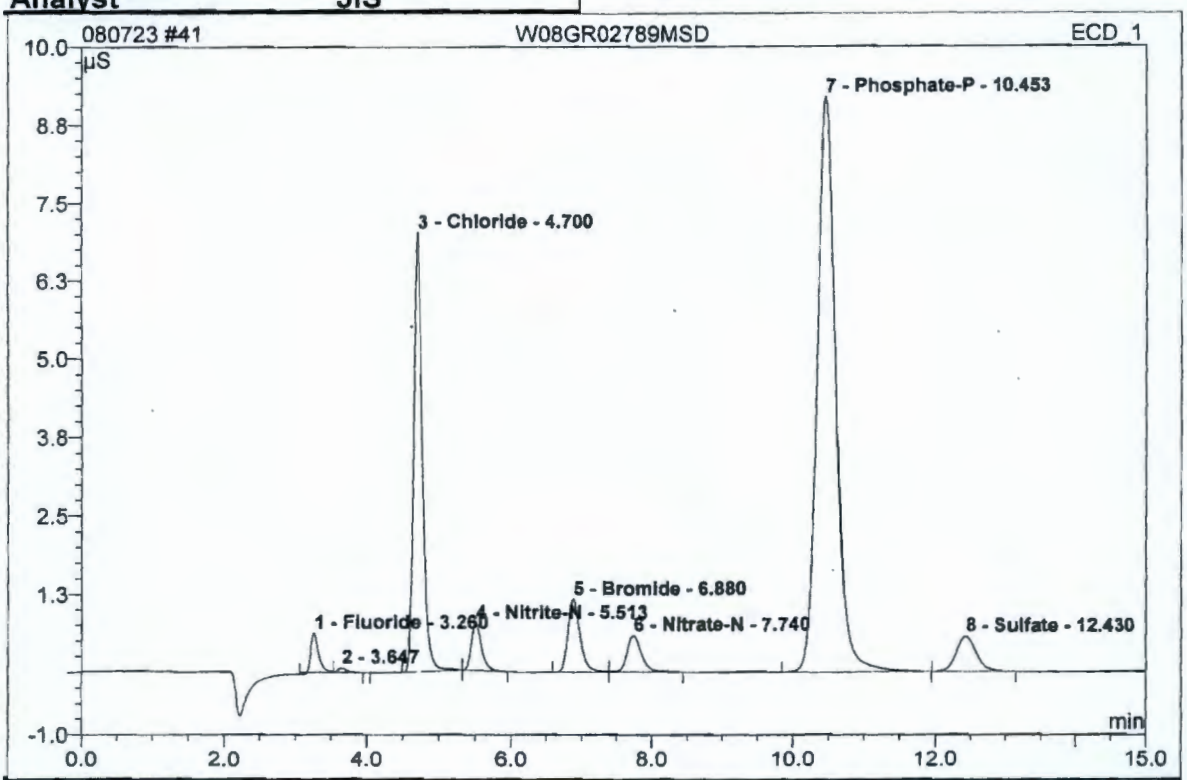


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.25	Fluoride	9.2355	0.078	2.964	0.620	BM
2	3.64	n.a.	n.a.	0.005	0.199	0.034	MB
3	4.69	Chloride	82.4707	0.543	20.588	3.863	BMB
4	5.51	Nitrite-N	9.4548	0.129	4.910	0.758	bMB
5	6.88	Bromide	63.5301	0.174	6.601	0.852	BM
6	7.73	Nitrate-N	9.2699	0.138	5.223	0.587	MB
7	—10.46	Phosphate-P	237.9197	1.388	52.631	4.423	BMB
8	12.43	Sulfate	38.2135	0.182	6.884	0.552	Rd
Total:			450.094	2.637	100.000	11.69	

41 W08GR02789MSD

Sample Name:	**W08GR02789MSD**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 16:55**		
Vial Number:	**25**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**10**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

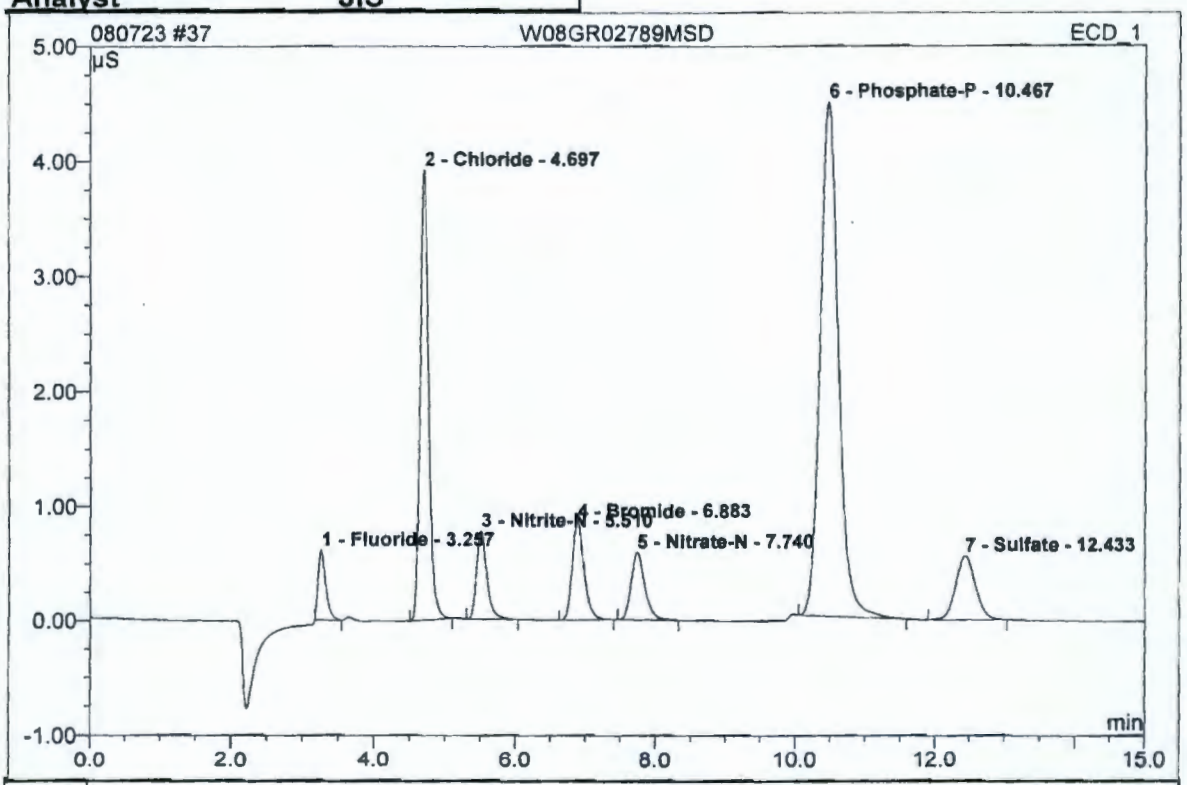


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.26	Fluoride	4.7805	0.081	1.781	0.629	MB
2	3.65	n.a.	n.a.	0.009	0.196	0.067	Rd
3	4.70	Chloride	73.2536	0.987	21.713	7.026	BMB
4	5.51	Nitrite-N	4.5975	0.126	2.769	0.755	bMB
5	6.88	Bromide	42.9987	0.236	5.203	1.167	BM
6	7.74	Nitrate-N	4.6688	0.139	3.052	0.585	MB
7	10.45	Phosphate-P	224.0369	2.782	61.195	9.190	BMB
8	12.43	Sulfate	19.5670	0.186	4.090	0.559	BMB
Total:			373.903	4.545	100.000	19.98	

37 W08GR02789MSD

Sample Name:	**W08GR02789MSD**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 15:42**		
Vial Number:	**21**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**20**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

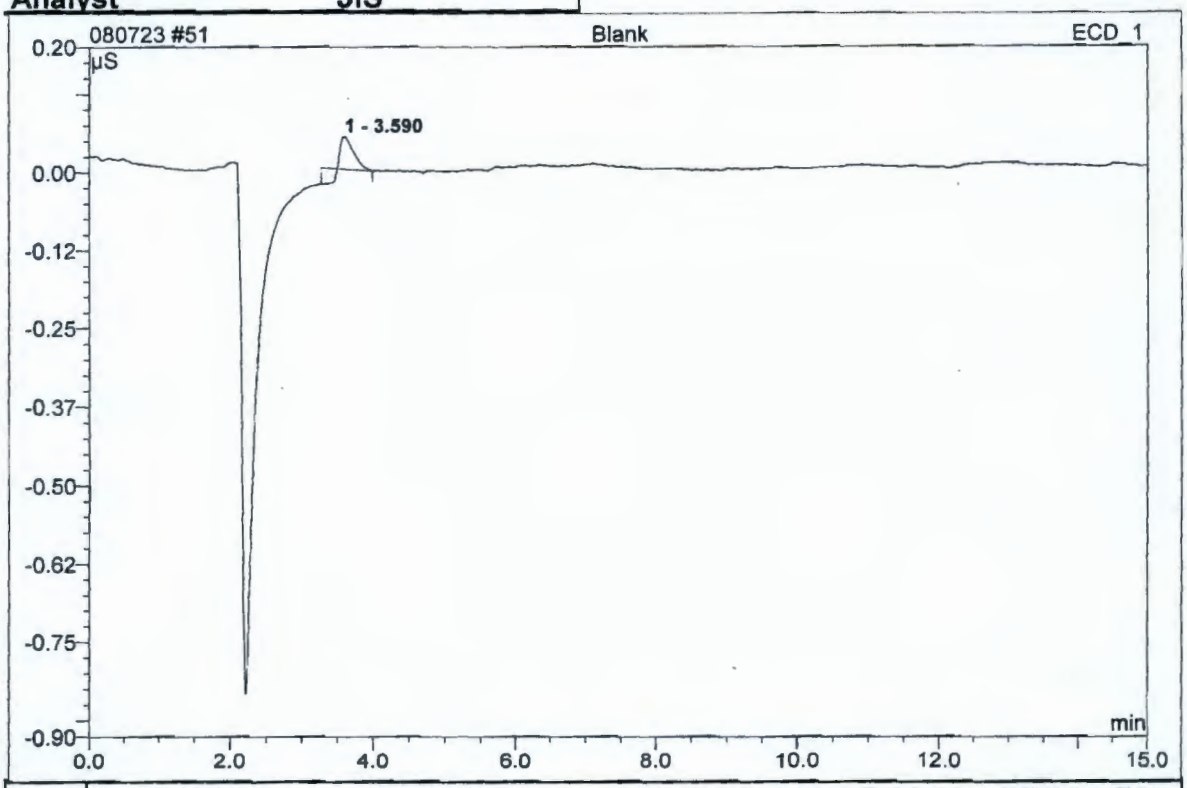


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.26	Fluoride	8.8653	0.075	2.887	0.611	BMB
2	4.70	Chloride	82.9193	0.546	21.016	3.920	BMB
3	5.51	Nitrite-N	9.5348	0.131	5.026	0.767	BMB
4	6.88	Bromide	62.4044	0.171	6.581	0.859	BMB
5	7.74	Nitrate-N	9.0683	0.135	5.186	0.588	BMB
6	10.47	Phosphate-P	233.0373	1.357	52.252	4.472	BMB
7	12.43	Sulfate	38.5660	0.183	7.053	0.558	BMB
Total:			444.395	2.598	100.000	11.78	

51 Blank

Sample Name:	**Blank**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 19:58**		
Vial Number:	**1**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**1**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**

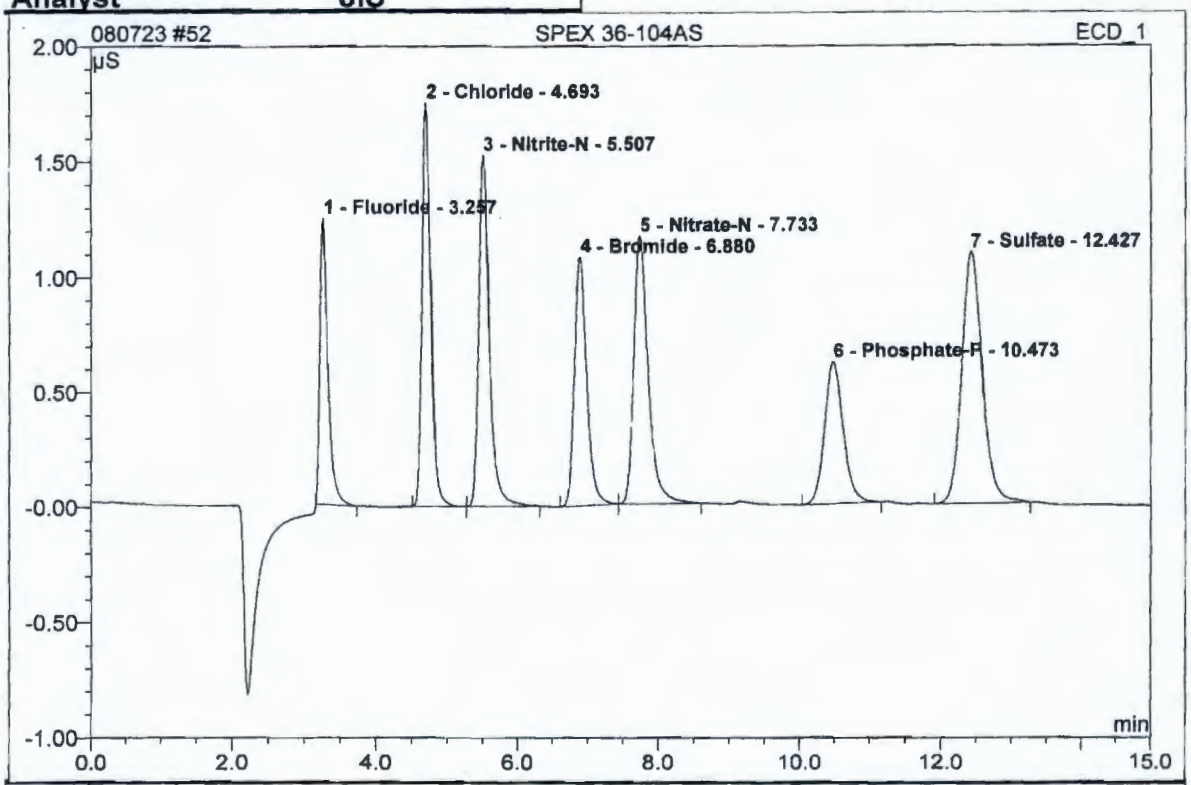


No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.59	n.a.	n.a.	0.006	100.000	0.051	MB
Total:			0.000	0.006	100.000	0.05	

52 SPEX 36-104AS

Sample Name:	**SPEX 36-104AS**	*Injection Volume:*	**20.0**
Recording Time:	**7/23/2008 20:17**		
Vial Number:	**3**	*Channel:*	**ECD_1**
Sample Type:			
Control Program:	**AS14**		
Quantif. Method:	**XQUAD**	*Dilution Factor:*	**102**
		Sample Weight:	**1.0000**
Run Time (min):	**25.50**	*Sample Amount:*	**1.0000**
OmniLims Method/Protocol:	**@IC-30**		

Analyst **JIS**



No.	Ret.Time min	Peak Name	Amount ppm	Area µS*min	Rel.Area %	Height µS	Type
1	3.26	Fluoride	94.9896	0.160	9.239	1.245	BMB
2	4.69	Chloride	195.5299	0.248	14.354	1.753	BM
3	5.51	Nitrite-N	99.2411	0.268	15.509	1.525	MB
4	6.88	Bromide	405.3934	0.218	12.623	1.083	BMB
5	7.73	Nitrate-N	94.0667	0.277	15.985	1.167	BMB
6	10.47	Phosphate-P	179.0172	0.192	11.102	0.618	BMB
7	12.43	Sulfate	391.8338	0.366	21.187	1.095	BMB
Total:			1460.072	1.730	100.000	8.49	