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

DOCUMENT NUMBER: SD-WM-DP-182

SECTION 3 **OF** 10

TITLE: Final Results for Tank 241-U-105 Push Mode Cores 131, 133 and 136

DATE: 7/26/96

ORIGINATOR: Fritts, K.S.

CO: WHC

RECIPIENT:

CO:

REFERENCES: ECN-633312

LABCORE Completed Worklist Report for Worklist# 7877

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001286	0	W	@IC-01	CL-02	SOLID	7.90e01		7.40e+01	93.671	% Recovery
6	SPK	S96T001286	0	W	@IC-01	NO2-02	SOLID	5.76e02		5.70e+02	98.958	% Recovery
6	SPK	S96T001286	0	W	@IC-01	BR-02	SOLID	5.75e02		5.49e+02	95.478	% Recovery
6	SPK	S96T001286	0	W	@IC-01	NO3-02	SOLID	6.14e02		6.10e+02	99.349	% Recovery
6	SPK	S96T001286	0	W	@IC-01	PO4-02	SOLID	5.46e02		4.76e+02	87.179	% Recovery
6	SPK	S96T001286	0	W	@IC-01	SO4-02	SOLID	6.31e02		5.94e+02	94.136	% Recovery
6	SPK	S96T001286	0	W	@IC-01	OXALATE2	SOLID	5.37e02		5.24e+02	97.579	% Recovery
7	SAMPLE	S96T001292	0	W	@IC-01	F-02	SOLID	N/A	<	2.561e+02	256.100	ug/g
7	SAMPLE	S96T001292	0	W	@IC-01	CL-02	SOLID	N/A		5.556e+03	334.900	ug/g
7	SAMPLE	S96T001292	0	W	@IC-01	NO2-02	SOLID	N/A		5.789e+04	2108.000	ug/g
7	REJECT	S96T001292	0	W	@IC-01	BR-02	SOLID	N/A	<	2.483e+03		ug/g
7	SAMPLE	S96T001292	0	W	@IC-01	NO3-02	SOLID	N/A		2.801e+05	2756.000	ug/g
7	SAMPLE	S96T001292	0	W	@IC-01	PO4-02	SOLID	N/A		1.020e+04	2343.000	ug/g
7	SAMPLE	S96T001292	0	W	@IC-01	SO4-02	SOLID	N/A		1.902e+04	2678.000	ug/g
7	SAMPLE	S96T001292	0	W	@IC-01	OXALATE2	SOLID	N/A		9.360e+03	2068.000	ug/g
8	DUP	S96T001292	0	W	@IC-01	F-02	SOLID	<2.56e2		<2.63e2		RPD
8	DUP	S96T001292	0	W	@IC-01	CL-02	SOLID	5.56e+03		5.56e+03	0.000	RPD
8	DUP	S96T001292	0	W	@IC-01	NO2-02	SOLID	5.79e+04		5.84e+04	0.860	RPD
8	DUP	S96T001292	0	W	@IC-01	BR-02	SOLID	<2.48e3		<2.55e3		RPD
8	DUP	S96T001292	0	W	@IC-01	NO3-02	SOLID	2.80e+05		2.79e+05	0.358	RPD
8	DUP	S96T001292	0	W	@IC-01	PO4-02	SOLID	1.02e+04		1.14e+04	11.111	RPD
8	DUP	S96T001292	0	W	@IC-01	SO4-02	SOLID	1.90e+04		2.02e+04	6.122	RPD
8	DUP	S96T001292	0	W	@IC-01	OXALATE2	SOLID	9.36e+03		1.02e+04	8.589	RPD

Final page for worklist# 7877

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/6/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 06-May-96

Worklist#: 7877

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001286
=>	5	DUP	S96T001286
=>	6	SPK	S96T001286
=>	7	SAMPLE	S96T001292
=>	8	DUP	S96T001292

Data File: 7877AP.CSV

Seq#	Data File	Sample Name	Dilution
1	96042031.d04	BLK	1.00
2	96042031.d05	133N9-E	101.00
3	96042031.d06	PREP BLK	1.00
4	96042031.d07	S96T001286	101.00
5	96042031.d08	S96T001286DUP	101.00
6	96042031.d09	S96T001286SPK	101.00
7	96042031.d10	S96T001292	101.00
8	96042031.d11	S96T001292DUP	101.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/29/1996 11:22:36

Sample Name: BLK	Date: 04/21/1996 20:08:38
Data File : C:\DX\DATA\96042031.d04	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

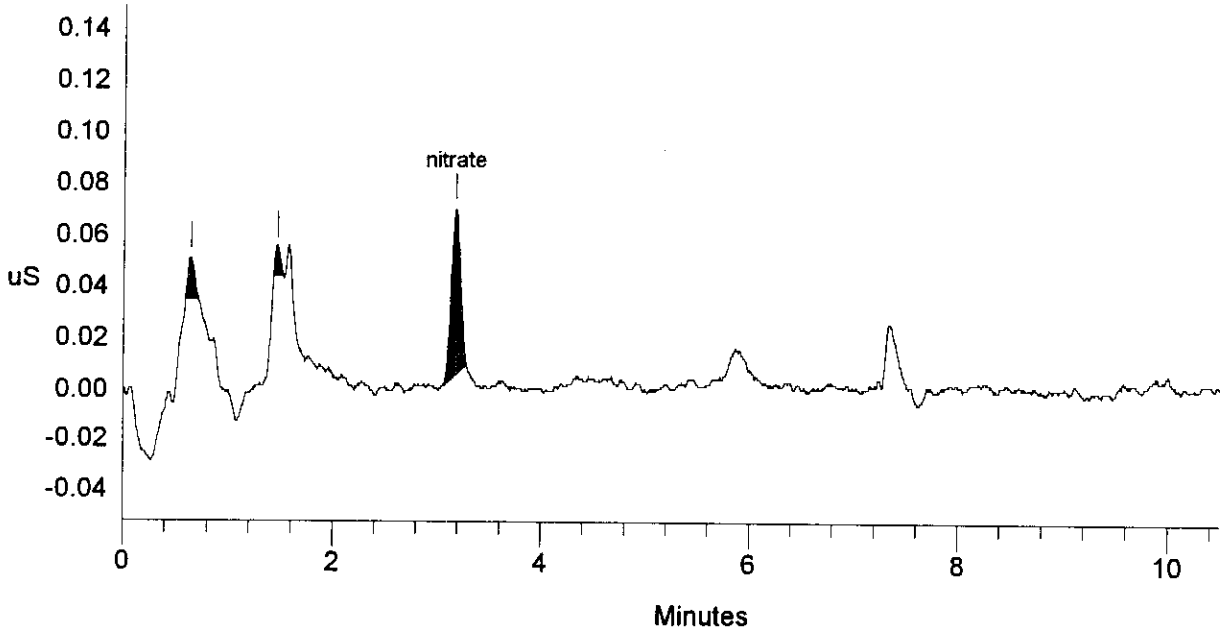
Hanaston for RD Meyers 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.17	nitrate	0.380	64	390	1	-5.84
		Totals	0.380	64	390		

File: 96042031.d04 Sample: BLK



SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 543 TO 550

Data Reprocessed On 04/29/1996 11:22:44

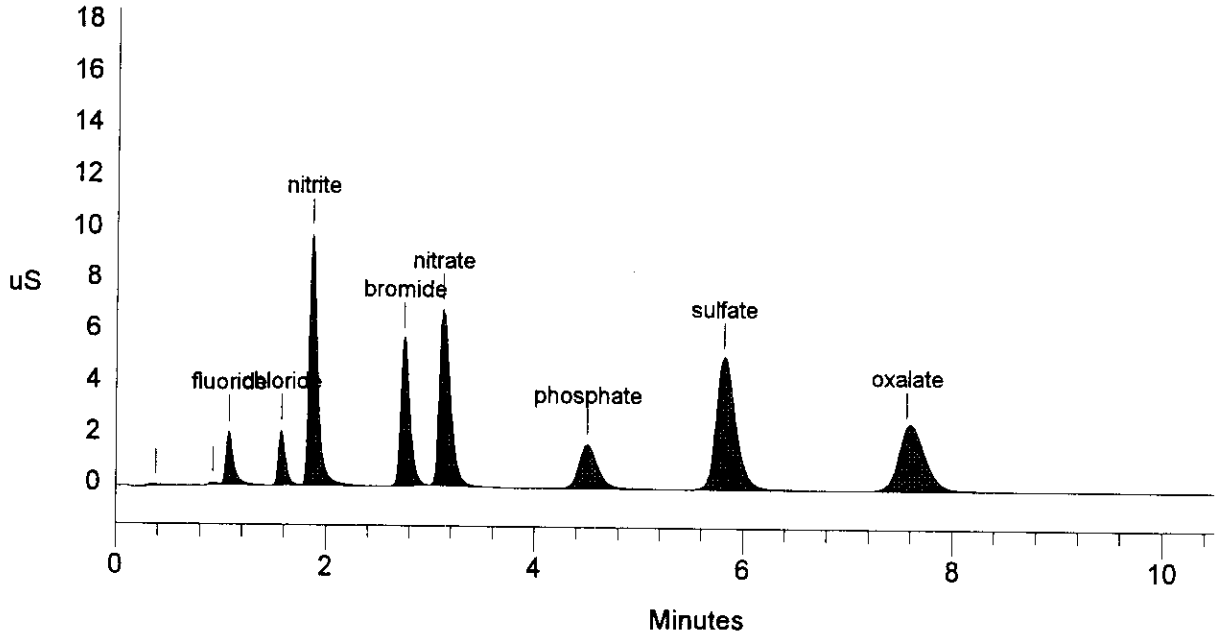
Sample Name: 133N9-E	Date: 04/21/1996 20:21:27
Data File : C:\DX\DATA\96042031.d05	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.38		0.000	67	759	1	
2	0.92		0.000	63	256	2	
3	1.07	fluoride	52.903	2067	10274	2	2.22
4	1.57	chloride	78.288	2140	9733	1	-1.67
5	1.87	nitrite	584.636	9772	53023	1	-3.78
6	2.75	bromide	578.132	5757	34549	1	-0.84
7	3.12	nitrate	635.776	6861	49890	1	0.00
8	4.51	phosphate	524.230	1705	20872	1	-3.43
9	5.81	sulfate	641.668	5075	66182	1	-4.39
10	7.57	oxalate	553.474	2456	44739	1	-4.70
		Totals	3649.107	35963	290277		

File: 96042031.d05 Sample: 133N9-E



Data Reprocessed On 04/29/1996 11:22:49

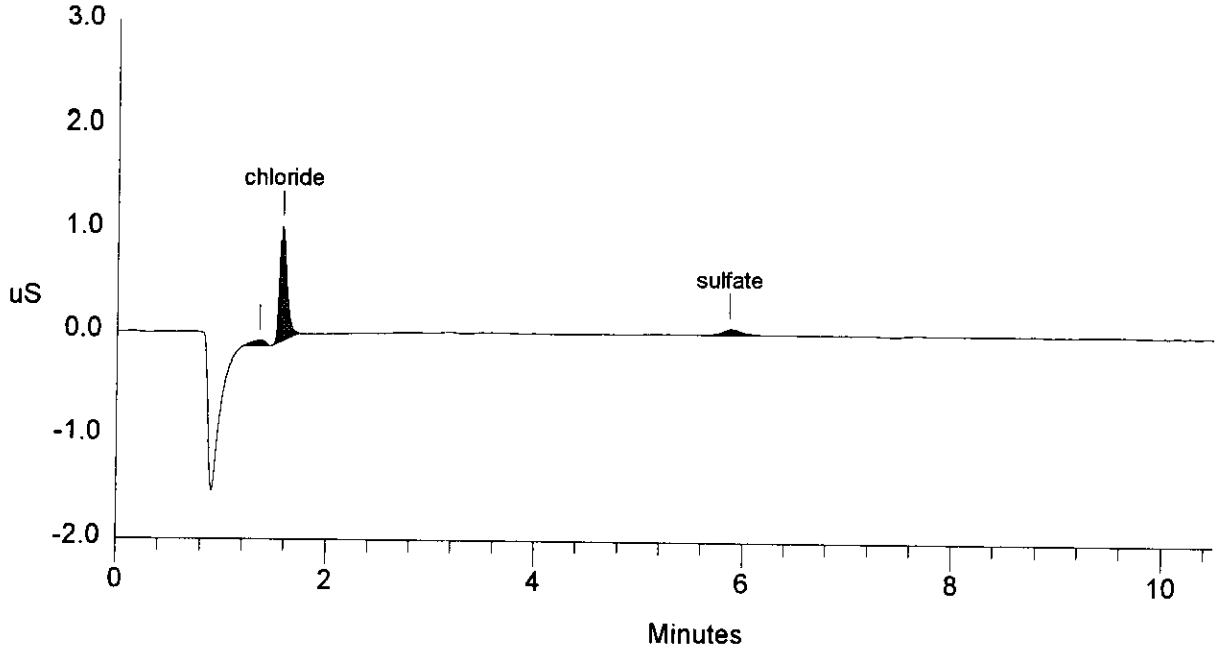
Sample Name: PREP BLK	Date: 04/21/1996 20:36:43
Data File : C:\DX\DATA\96042031.d06	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 6	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.36		0.000	53	485	1	
2	1.57	chloride	0.435	1109	5376	1	-1.67
3	5.87	sulfate	0.294	53	719	1	-3.51
		Totals	0.729	1216	6580		

File: 96042031.d06 Sample: PREP BLK



Data Reprocessed On 04/29/1996 11:22:57

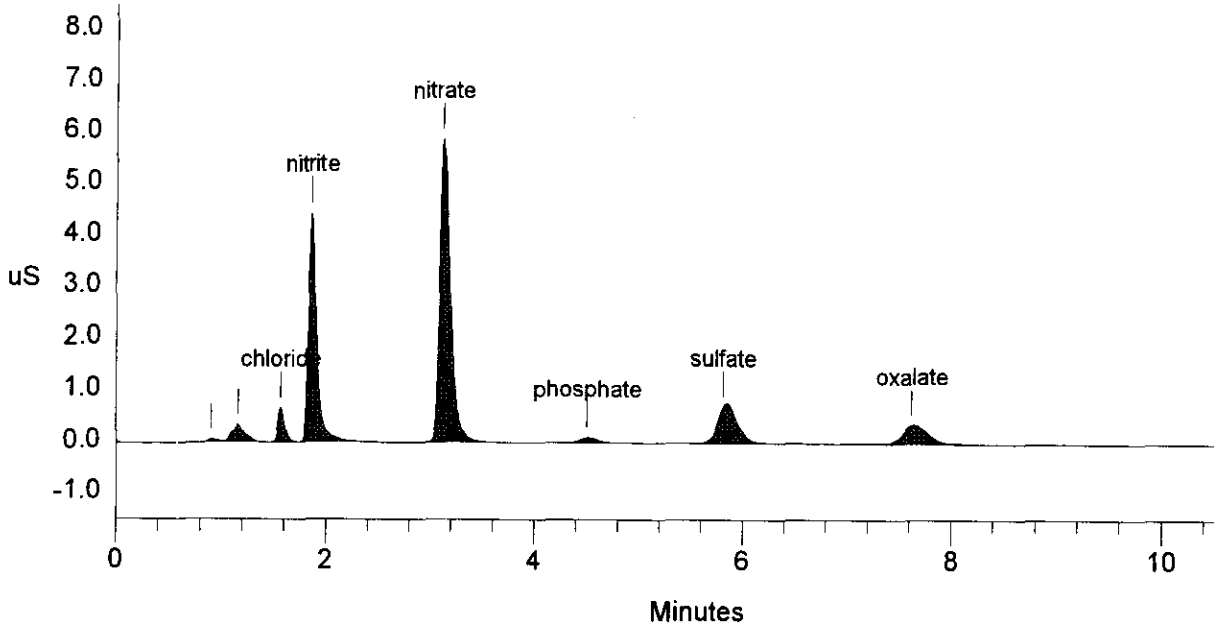
Sample Name: S96T001286	Date: 04/21/1996 20:50:53
Data File : C:\DX\DATA\96042031.d07	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	46	227	2	
2	1.17		0.000	330	2694	2	
3	1.57	chloride	24.886	662	2988	1	-2.08
4	1.86	nitrite	279.918	4418	24096	1	-4.12
5	3.12	nitrate	540.456	5854	41907	1	0.00
6	4.51	phosphate	66.426	100	1265	1	-3.43
7	5.81	sulfate	120.599	687	10308	1	-4.39
8	7.63	oxalate	80.998	355	6033	1	-4.03
		Totals	1113.284	12452	89519		

File: 96042031.d07 Sample: S96T001286



Data Reprocessed On 04/29/1996 11:23:03

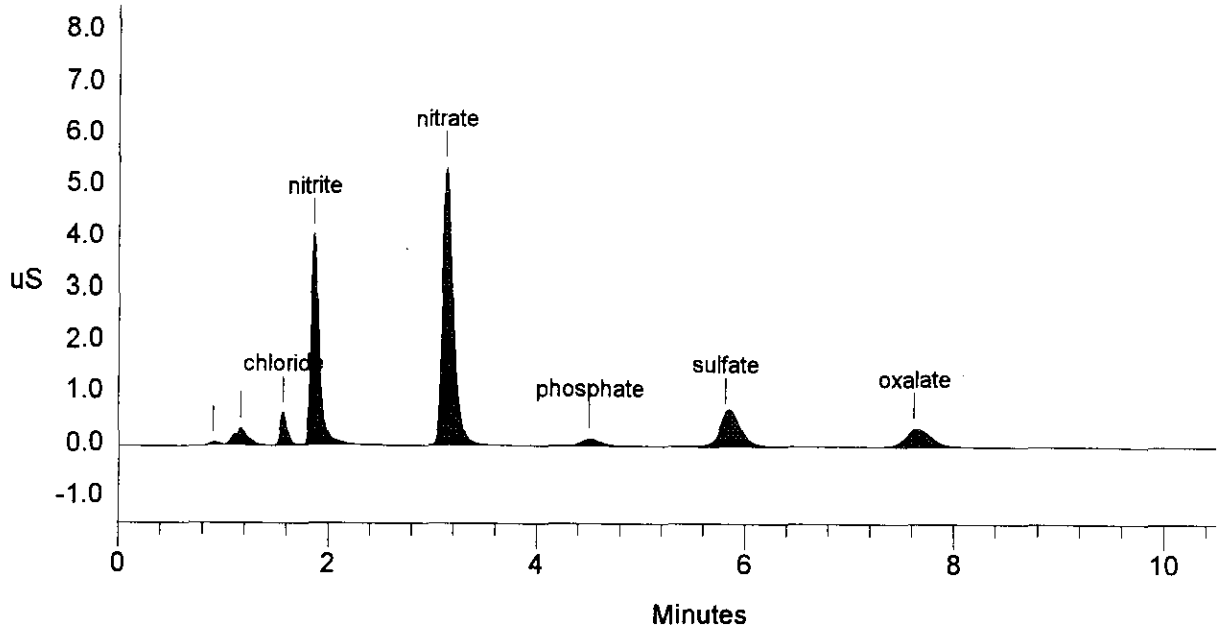
Sample Name: S96T001286DUP	Date: 04/21/1996 21:04:52
Data File : C:\DX\DATA\96042031.d08	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	46	229	2	
2	1.17		0.000	319	2762	2	
3	1.57	chloride	23.640	625	2832	1	-2.08
4	1.86	nitrite	258.160	4043	22042	1	-4.12
5	3.13	nitrate	495.860	5341	38184	1	-0.11
6	4.51	phosphate	73.847	132	1581	1	-3.43
7	5.81	sulfate	114.536	619	9666	1	-4.39
8	7.63	oxalate	76.183	330	5641	1	-4.03
		Totals	1042.225	11455	82938		

File: 96042031.d08 Sample: S96T001286DUP



Data Reprocessed On 04/29/1996 11:23:09

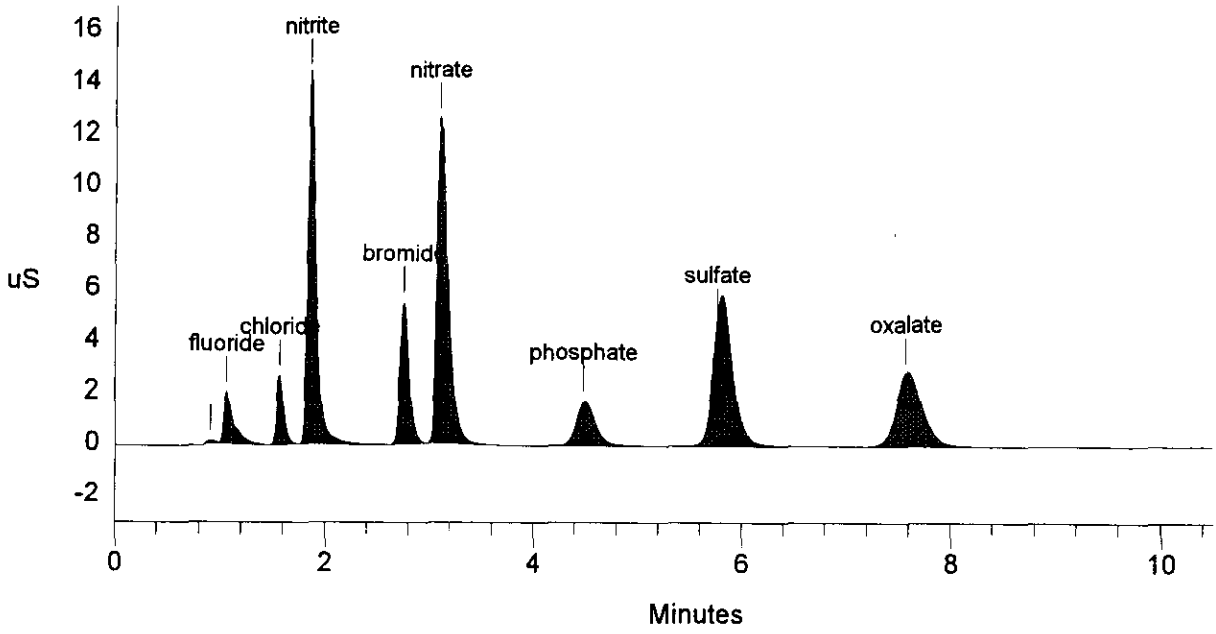
Sample Name: S96T001286SPK	Date: 04/21/1996 22:24:15
Data File : C:\DX\DATA\96042031.d09	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 9	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	118	552	2	
2	1.06	fluoride	65.571	1978	12836	2	0.95
3	1.57	chloride	98.863	2667	12364	1	-2.08
4	1.86	nitrite	850.233	14258	78485	1	-4.12
5	2.75	bromide	548.957	5449	32700	1	-0.60
6	3.10	nitrate	1150.893	12536	93620	1	0.00
7	4.48	phosphate	542.546	1710	21663	1	-4.00
8	5.76	sulfate	714.500	4678	74117	1	-5.26
9	7.57	oxalate	604.777	2802	48977	1	-4.70
		Totals	4576.341	46194	375314		

File: 96042031.d09 Sample: S96T001286SPK



Data Reprocessed On 04/29/1996 11:23:14

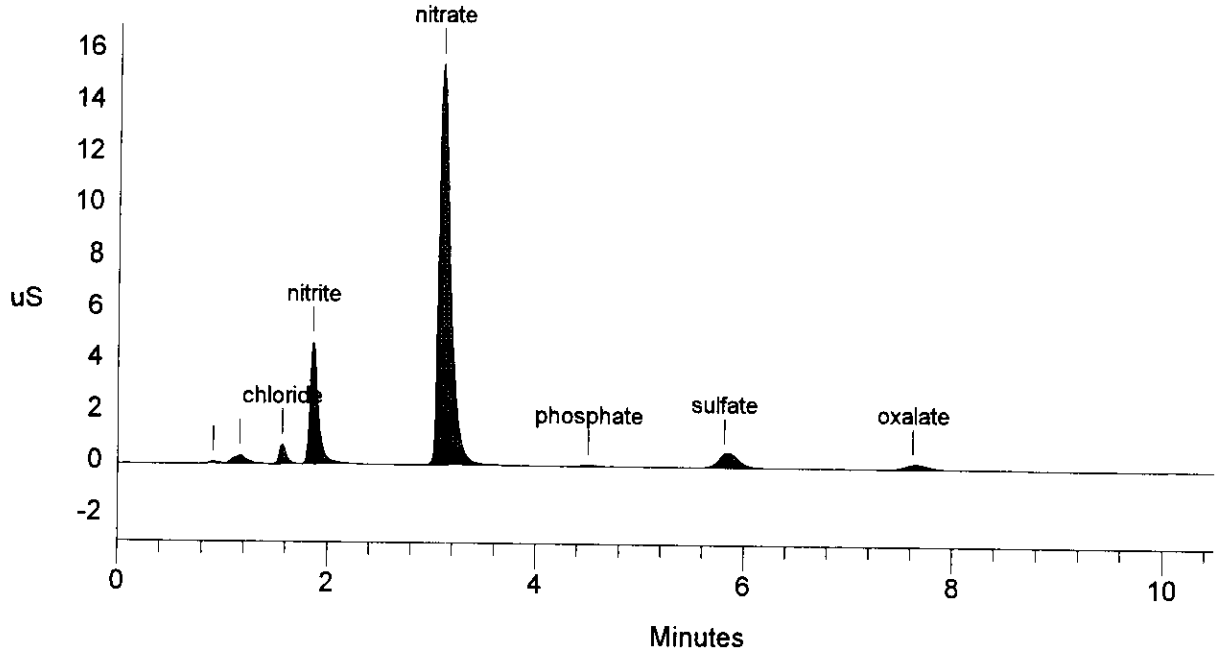
Sample Name: S96T001292 Date: 04/21/1996 22:41:38
Data File : C:\DX\DATA\96042031.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	70	370	2	
2	1.17		0.000	325	2745	2	
3	1.57	chloride	28.481	745	3439	1	-2.08
4	1.86	nitrite	296.719	4712	25683	1	-4.12
5	3.09	nitrate	1435.713	15515	118244	1	0.11
6	4.51	phosphate	52.295	55	665	1	-3.43
7	5.81	sulfate	97.481	533	7864	1	-4.39
8	7.63	oxalate	47.981	195	3349	1	-4.03
		Totals	1958.670	22149	162359		

File: 96042031.d10 Sample: S96T001292



Data Reprocessed On 04/29/1996 11:23:22

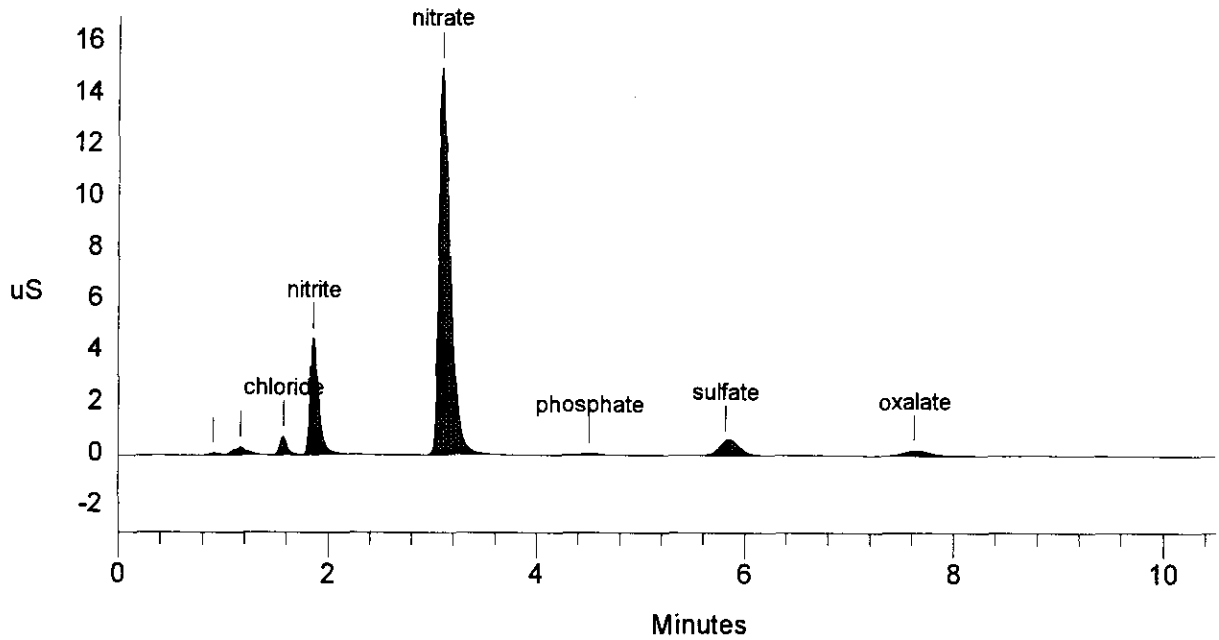
Sample Name: S96T001292DUP Date: 04/21/1996 22:57:17
Data File : C:\DX\DATA\96042031.d11
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	60	320	2	
2	1.17		0.000	310	2651	2	
3	1.57	chloride	27.744	725	3346	1	-1.67
4	1.86	nitrite	291.443	4466	25185	1	-4.12
5	3.09	nitrate	1392.409	14994	114479	1	0.11
6	4.51	phosphate	56.796	71	856	1	-3.43
7	5.81	sulfate	101.003	554	8236	1	-4.39
8	7.63	oxalate	50.709	202	3571	1	-4.03
		Totals	1920.103	21384	158644		

File: 96042031.d11 Sample: S96T001292DUP



LABCORE Data Entry Template for Worklist# 7878

96023901, D10 > D18

Analyst: JLF **Instrument:** IC00 **Book#** 13309-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001298	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001298	0	W	@IC-01	SOLID		
6	SPK	S96T001298	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001305	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001305	0	W	@IC-01	SOLID			

Final page for worklist # 7878

Jessica Fisher 4-23-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 7878 mar.csv
Inshell 4/25/96 JMF
Uploaded 4/25/96 [illegible]

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7878

Analyst: jlf **Instrument:** IC01 **Book#** 133N9E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		1.93e-01	0.193	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	59		5.58e+01	94.576	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.29e+01	92.278	% Recovery
2	CCV			0	@IC-QC	NO2	QC	576		5.62e+02	97.569	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.61e+02	97.565	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		6.05e+02	98.534	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.48e+02	100.366	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.12e+02	96.989	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	537		5.29e+02	98.510	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		2.81e-01	0.281	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		1.82e-01	0.182	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	F-02	SOLID	N/A		7.998e+02	134.300	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	CL-02	SOLID	N/A		3.498e+03	175.700	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	NO2-02	SOLID	N/A		4.063e+04	1106.000	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	BR-02	SOLID	N/A	<	1.302e+03	1302.000	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	NO3-02	SOLID	N/A		2.133e+05	1446.000	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	PO4-02	SOLID	N/A		5.985e+03	1229.000	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	SO4-02	SOLID	N/A		1.317e+04	1405.000	ug/g
4	SAMPLE	S96T001298	0	W	@IC-01	OXALATE2	SOLID	N/A		6.421e+03	1085.000	ug/g
5	DUP	S96T001298	0	W	@IC-01	F-02	SOLID	8.00e+02		9.46e+02	16.724	RPD
5	DUP	S96T001298	0	W	@IC-01	CL-02	SOLID	3.50e+03		3.90e+03	10.811	RPD
5	DUP	S96T001298	0	W	@IC-01	NO2-02	SOLID	4.06e+04		4.64e+04	13.333	RPD
5	DUP	S96T001298	0	W	@IC-01	BR-02	SOLID	<1.30e3		<1.32e3		RPD
5	DUP	S96T001298	0	W	@IC-01	NO3-02	SOLID	2.13e+05		2.82e+05	27.879	RPD
5	DUP	S96T001298	0	W	@IC-01	PO4-02	SOLID	5.98e+03		7.11e+03	17.265	RPD
5	DUP	S96T001298	0	W	@IC-01	SO4-02	SOLID	1.32e+04		1.26e+04	4.651	RPD
5	DUP	S96T001298	0	W	@IC-01	OXALATE2	SOLID	6.42e+03		6.69e+03	4.119	RPD
6	SPK	S96T001298	0	W	@IC-01	F-02	SOLID	59		5.49e+01	93.051	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7878

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001298	0	W	@IC-01	CL-02	SOLID	79		8.47e+01	107.215	% Recovery
6	SPK	S96T001298	0	W	@IC-01	NO2-02	SOLID	576		7.08e+02	122.917	% Recovery
6	SPK	S96T001298	0	W	@IC-01	BR-02	SOLID	575		5.41e+02	94.087	% Recovery
6	SPK	S96T001298	0	W	@IC-01	NO3-02	SOLID	614		1.14e+03	185.668	% Recovery
6	SPK	S96T001298	0	W	@IC-01	PO4-02	SOLID	546		5.52e+02	101.099	% Recovery
6	SPK	S96T001298	0	W	@IC-01	SO4-02	SOLID	631		6.35e+02	100.634	% Recovery
6	SPK	S96T001298	0	W	@IC-01	OXALATE2	SOLID	537		5.34e+02	99.441	% Recovery
7	SAMPLE	S96T001305	0	W	@IC-01	F-02	SOLID	N/A		9.541e+02	127.400	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	CL-02	SOLID	N/A		3.655e+03	166.600	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	NO2-02	SOLID	N/A		4.139e+04	1049.000	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	BR-02	SOLID	N/A	<	1.235e+03	1235.000	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	NO3-02	SOLID	N/A		4.149e+05	1371.000	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	PO4-02	SOLID	N/A		4.873e+03	1165.000	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	SO4-02	SOLID	N/A		8.581e+03	1332.000	ug/g
7	SAMPLE	S96T001305	0	W	@IC-01	OXALATE2	SOLID	N/A		5.188e+03	1029.000	ug/g
8	DUP	S96T001305	0	W	@IC-01	F-02	SOLID	9.54e+02		8.63e+02	10.017	RPD
8	DUP	S96T001305	0	W	@IC-01	CL-02	SOLID	3.66e+03		7.35e+03	67.030	RPD
8	DUP	S96T001305	0	W	@IC-01	NO2-02	SOLID	4.14e+04		4.41e+04	6.316	RPD
8	DUP	S96T001305	0	W	@IC-01	BR-02	SOLID	<1.24e3		<1.23e3		RPD
8	DUP	S96T001305	0	W	@IC-01	NO3-02	SOLID	4.15e+05		4.09e+05	1.456	RPD
8	DUP	S96T001305	0	W	@IC-01	PO4-02	SOLID	4.87e+03		2.73e+03	56.316	RPD
8	DUP	S96T001305	0	W	@IC-01	SO4-02	SOLID	8.58e+03		7.57e+03	12.508	RPD
8	DUP	S96T001305	0	W	@IC-01	OXALATE2	SOLID	5.19e+03		4.69e+03	10.121	RPD

Final page for worklist# 7878

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date

Validated 5/7/96 JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 25-Apr-96

Worklist#: 7878

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001298
=>	5	DUP	S96T001298
=>	6	SPK	S96T001298
=>	7	SAMPLE	S96T001305
=>	8	DUP	S96T001305

Data File: 7878MAR.CSV

Seq#	Data File	Sample Name	Dilution
1	96023901.d10	BLANK	1.00
2	96023901.d11	133N9-E	101.00
3	96023901.d12	BLANK PREP	1.00
4	96023901.d13	S96T001298 SAM	51.00
5	96023901.d14	S96T001298 DUP	51.00
6	96023901.d15	S96T001298 SPIKE	51.00
	96023901.d16	S96T001305 SAM	51.00
7	96023901.d17	S96T001305 SAM	51.00
8	96023901.d18	S96T001305 DUP	51.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/25/1996 14:54:24

Sample Name: BLANK Date: 04/24/1996 00:06:57
Data File : C:\DX\DATA\96023901.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

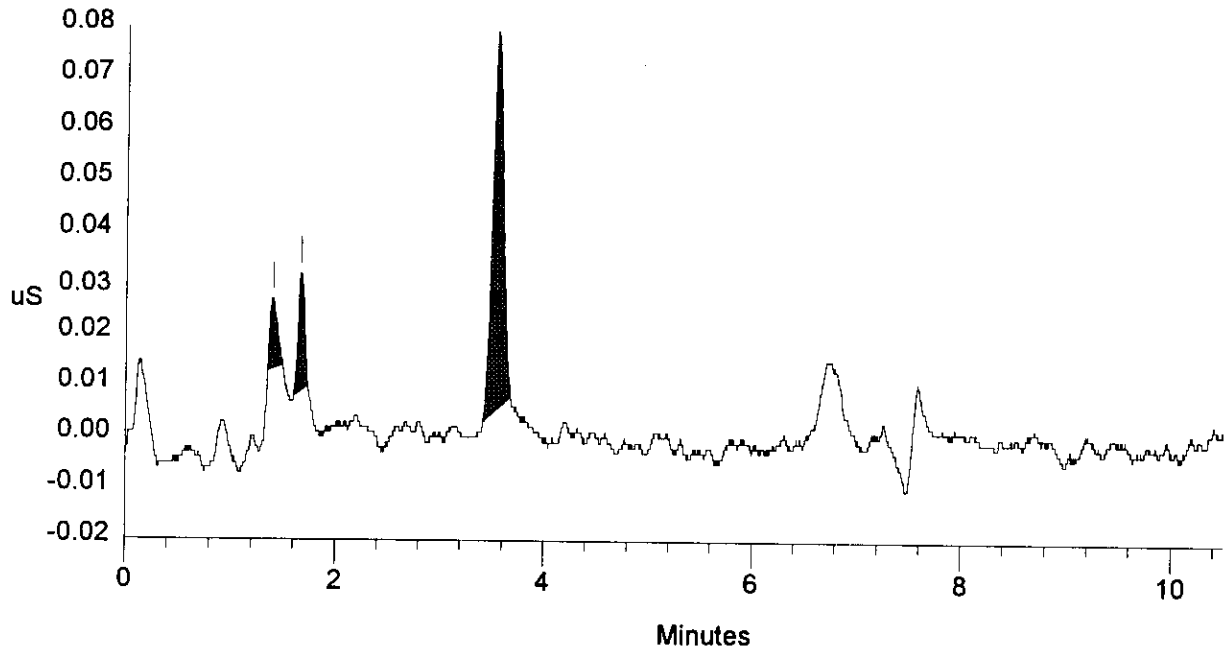
JAnastn for JLJrisby 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.54	nitrate	0.193	74	524	1	6.84
		Totals	0.193	74	524		

File: 96023901.d10 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 555 TO 563

Data Reprocessed On 04/25/1996 14:54:28

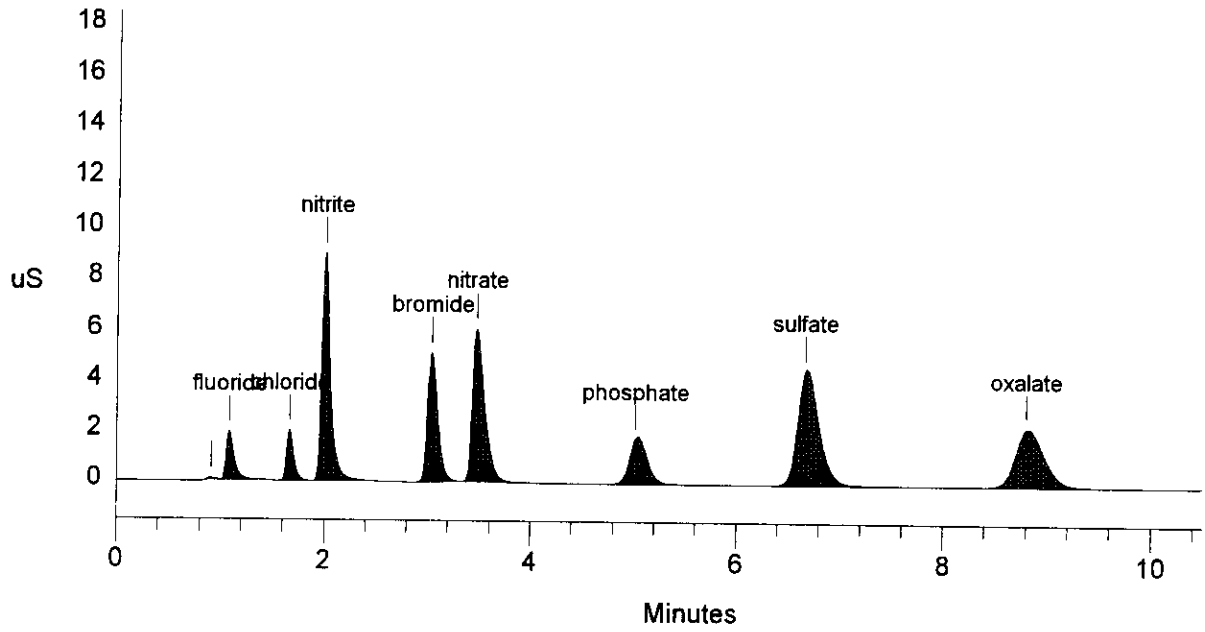
Sample Name: 133N9-E	Date: 04/24/1996 00:18:50
Data File : C:\DX\DATA\96023901.d11	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	76	364	2	
2	1.09	fluoride	55.817	1910	9966	2	1.88
3	1.67	chloride	72.940	2014	9722	1	0.81
4	2.01	nitrite	561.841	8970	52294	1	-0.33
5	3.04	bromide	560.648	5125	34967	1	2.70
6	3.47	nitrate	604.947	6040	49504	1	4.83
7	5.01	phosphate	547.509	1734	22342	1	1.62
8	6.67	sulfate	612.033	4513	65412	1	2.46
9	8.80	oxalate	529.360	2278	44324	1	3.13
		Totals	3545.095	32660	288895		

File: 96023901.d11 Sample: 133N9-E



Data Reprocessed On 04/25/1996 14:54:31

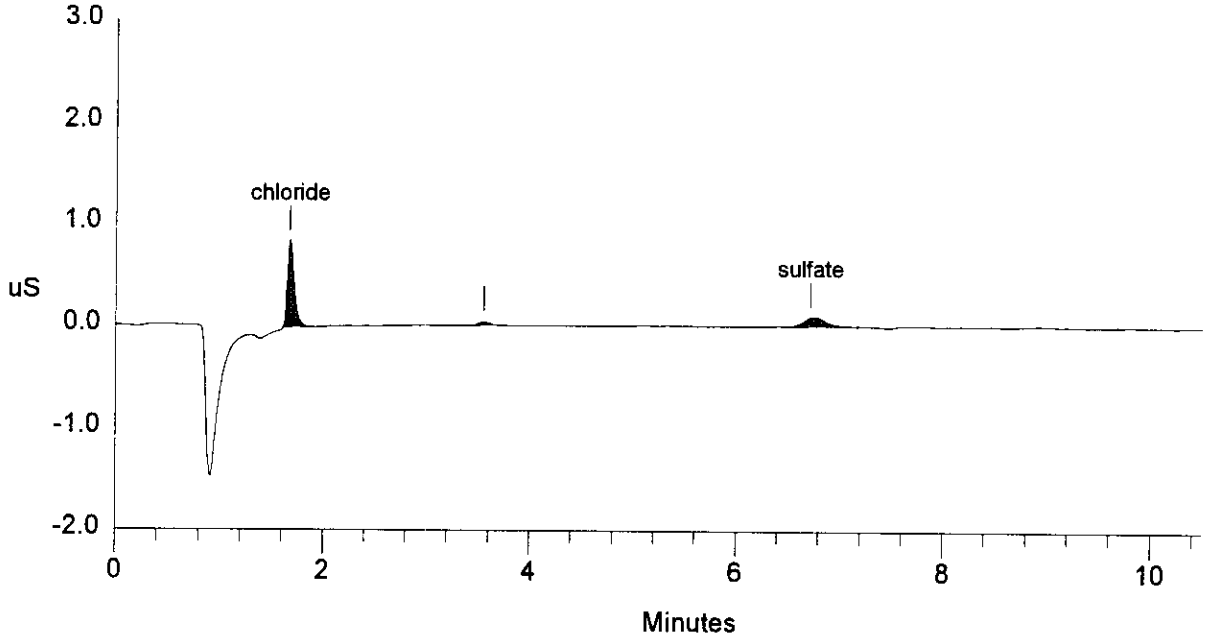
Sample Name: BLANK PREP	Date: 04/24/1996 00:31:19
Data File : C:\DX\DATA\96023901.d12	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 12	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.67	chloride	0.281	838	3755	1	1.21
2	3.55		0.000	33	210	1	
3	6.72	sulfate	0.182	83	1293	1	3.28
		Totals	0.464	955	5259		

File: 96023901.d12 Sample: BLANK PREP



Data Reprocessed On 04/25/1996 14:54:34

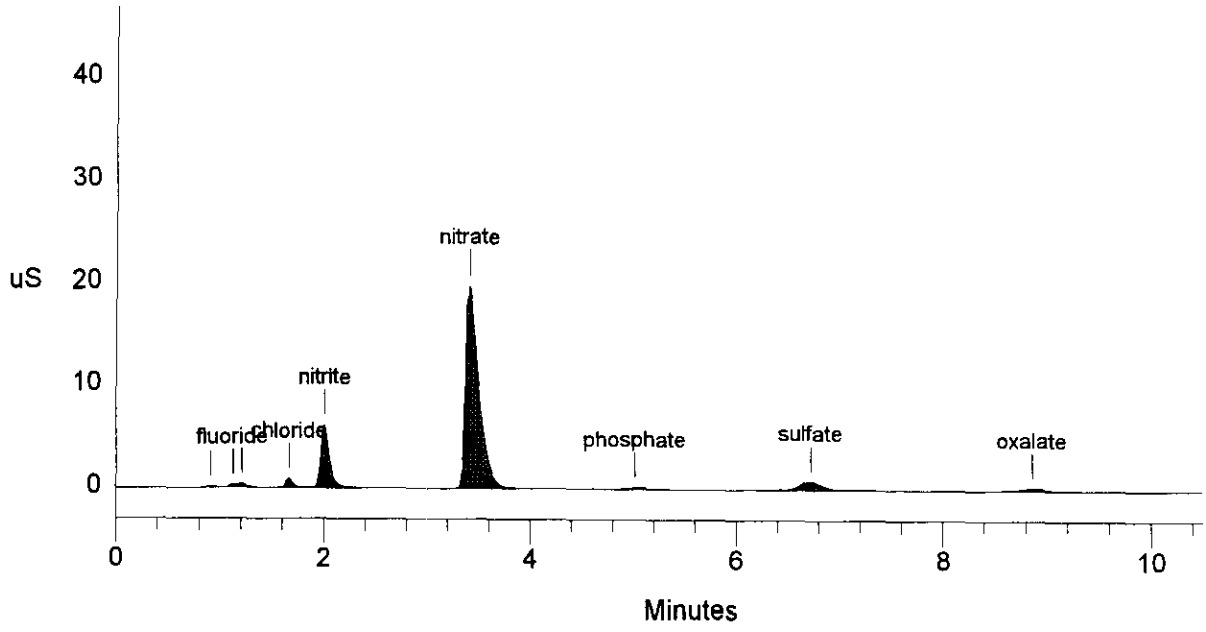
Sample Name: S96T001298 SAM	Date: 04/24/1996 00:44:19
Data File : C:\DX\DATA\96023901.d13	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 13	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	113	682	2	
2	1.12	fluoride	3.947	288	1109	2	5.00
3	1.21		0.000	424	2880	2	
4	1.67	chloride	17.265	922	4525	1	0.81
5	2.01	nitrite	200.503	6158	36559	1	-0.33
6	3.41	nitrate	1052.873	19831	180341	1	2.82
7	5.01	phosphate	29.535	151	2240	1	1.62
8	6.72	sulfate	64.970	867	13030	1	3.28
9	8.85	oxalate	31.688	233	4820	1	3.75
		Totals	1400.781	28986	246185		

File: 96023901.d13 Sample: S96T001298 SAM



Data Reprocessed On 04/25/1996 14:54:37

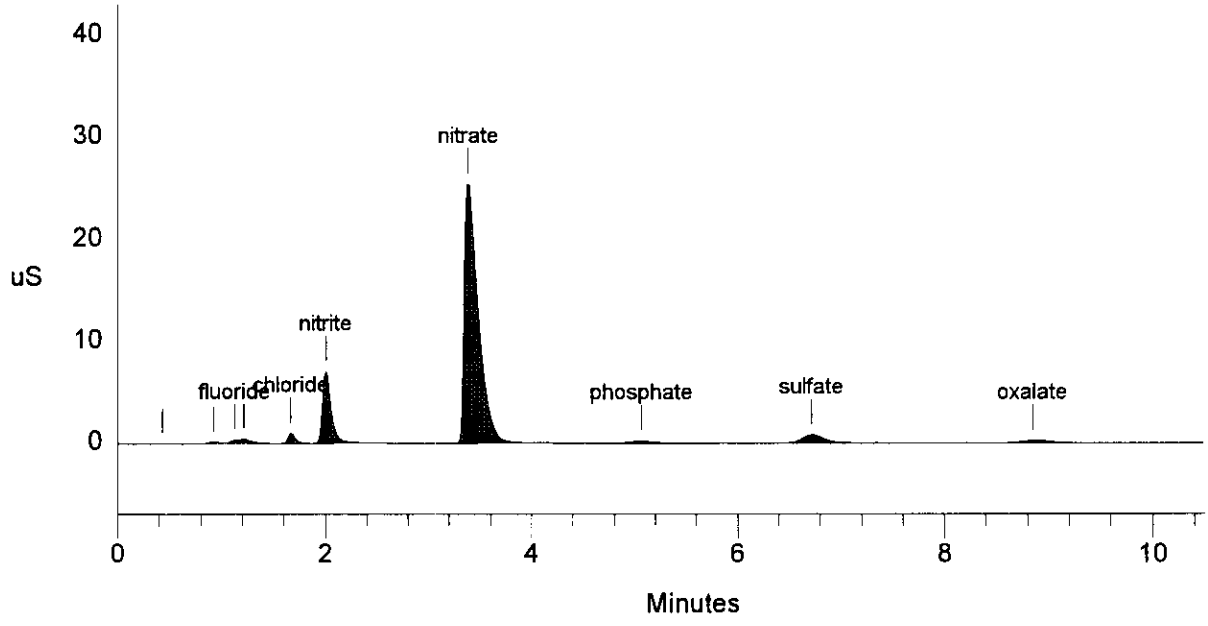
Sample Name: S96T001298 DUP Date: 04/24/1996 01:00:40
Data File : C:\DX\DATA\96023901.d14
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 14 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.43		0.000	22	296	1	
2	0.92		0.000	132	785	2	
3	1.13	fluoride	4.606	338	1346	2	5.63
4	1.21		0.000	482	3241	2	
5	1.67	chloride	18.999	1011	4983	1	0.81
6	2.01	nitrite	225.896	7085	41349	1	-0.33
7	3.39	nitrate	1371.036	25317	239584	1	2.21
8	5.07	phosphate	34.596	229	2645	1	2.70
9	6.72	sulfate	61.518	819	12300	1	3.28
10	8.85	oxalate	32.565	250	4966	1	3.75
		Totals	1749.216	35684	311494		

File: 96023901.d14 Sample: S96T001298 DUP



Data Reprocessed On 04/25/1996 14:54:40

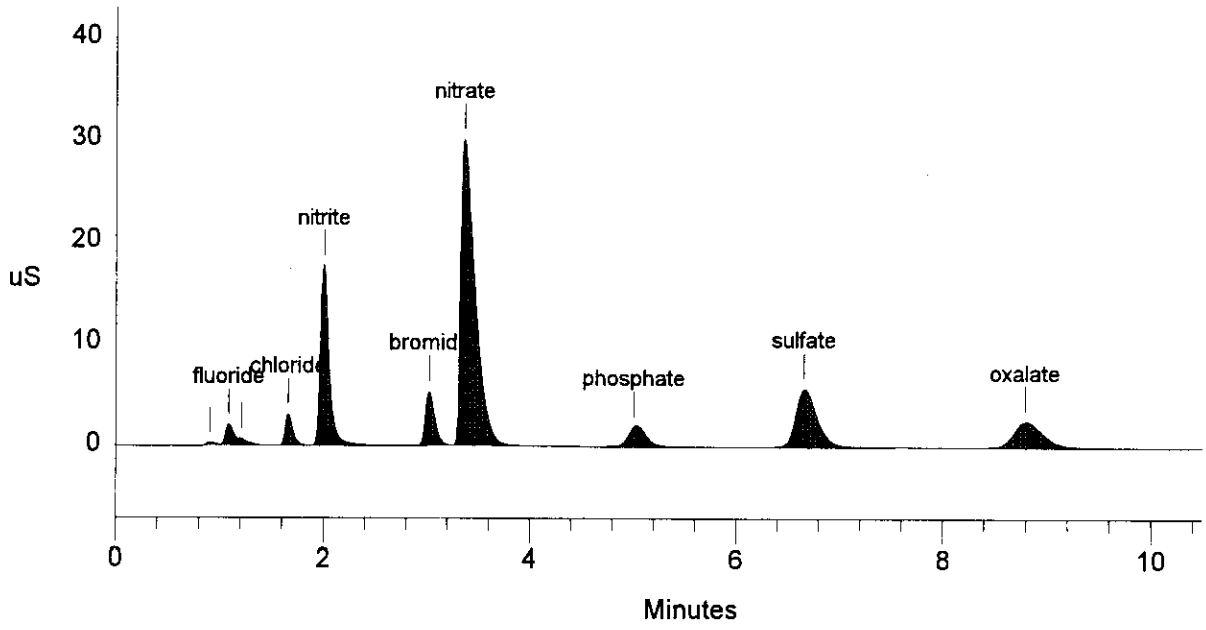
Sample Name: S96T001298 SPIKE	Date: 04/24/1996 01:14:44
Data File : C:\DX\DATA\96023901.d15	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 15	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	200	1026	2	
2	1.09	fluoride	31.379	2039	11155	2	1.88
3	1.21		0.000	690	4108	2	
4	1.66	chloride	59.622	3153	15868	1	0.40
5	2.01	nitrite	554.503	17598	104311	1	-0.33
6	3.03	bromide	270.572	5349	33365	1	2.25
7	3.37	nitrate	1625.103	29953	288673	1	1.61
8	5.01	phosphate	305.290	1975	24734	1	1.62
9	6.67	sulfate	382.449	5732	81473	1	2.46
10	8.80	oxalate	298.845	2577	49659	1	3.13
		Totals	3527.762	69265	614373		

File: 96023901.d15 Sample: S96T001298 SPIKE



Data Reprocessed On 04/25/1996 14:54:43

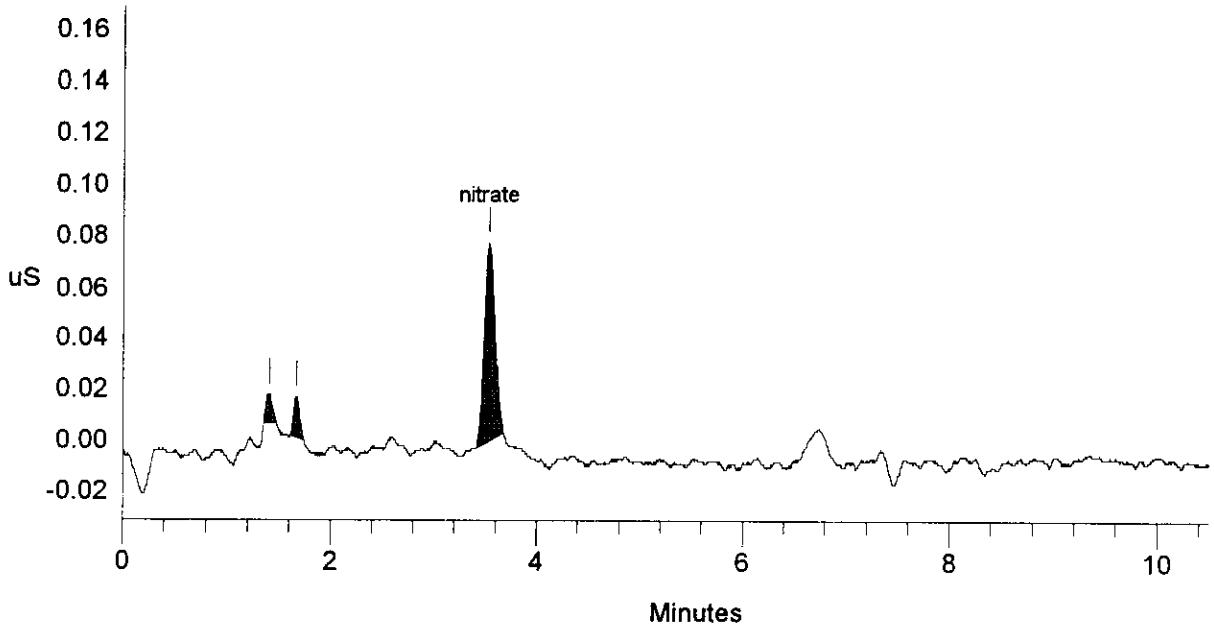
```
Sample Name: S96T001305 SAM                    Date: 04/24/1996 01:29:31
Data File  : C:\DX\DATA\96023901.d16
Method     : C:\DX\METHOD\KIT.MET
ACI Address: 1  System: 1  Inject#: 16                    Detector:CDM-1
Analyst    :                Column: AG4A/AS4A anion column
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.53	nitrate	10.010	77	554	1	6.64
		Totals	10.010	77	554		

File: 96023901.d16 Sample: S96T001305 SAM



Data Reprocessed On 04/25/1996 14:54:46

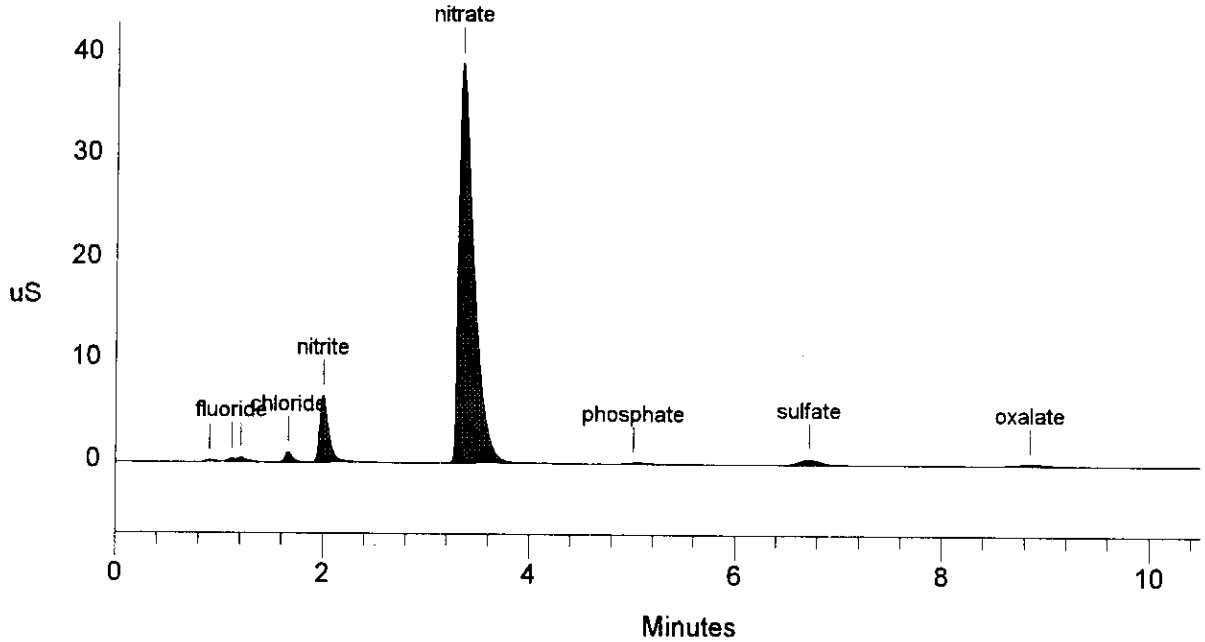
Sample Name: S96T001305 SAM Date: 04/24/1996 01:43:37
Data File : C:\DX\DATA\96023901.d17
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 17 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	159	957	2	
2	1.12	fluoride	4.965	345	1475	2	5.00
3	1.21		0.000	446	3042	2	
4	1.67	chloride	19.022	1000	4989	1	0.81
5	2.00	nitrite	215.399	6551	39368	1	-0.66
6	3.34	nitrate	2158.942	39101	397822	1	0.80
7	5.01	phosphate	25.360	131	1905	1	1.62
8	6.72	sulfate	44.653	562	8738	1	3.28
9	8.85	oxalate	26.999	213	4040	1	3.75
		Totals	2495.340	48508	462335		

File: 96023901.d17 Sample: S96T001305 SAM



Data Reprocessed On 04/25/1996 14:54:49

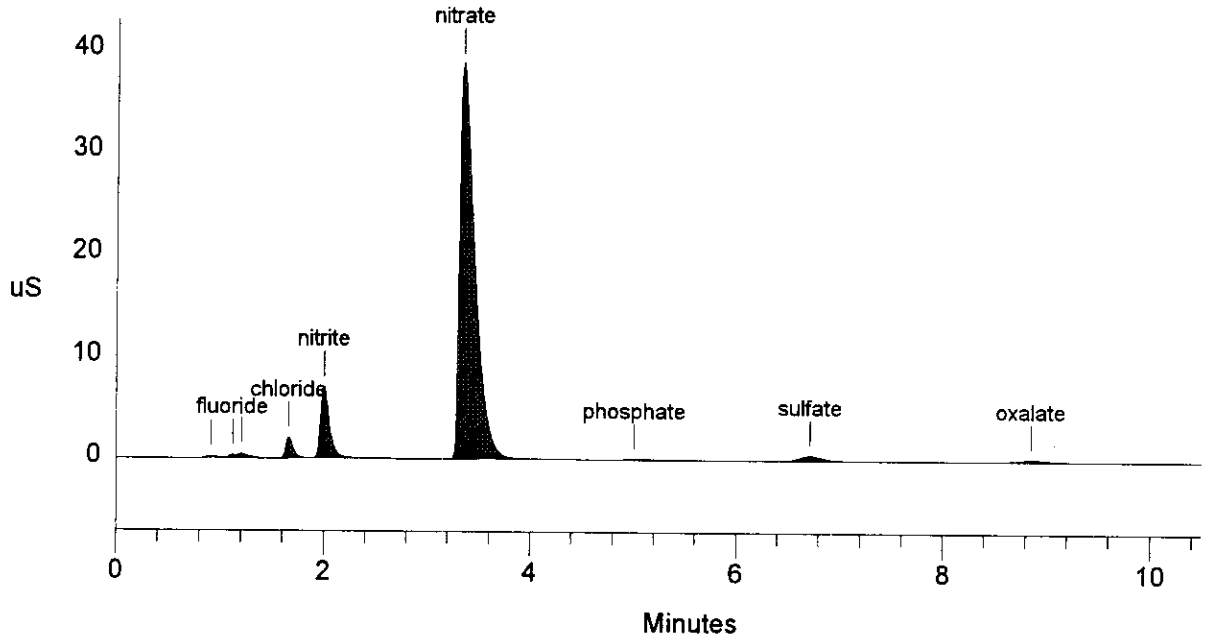
Sample Name: S96T001305 DUP Date: 04/24/1996 01:58:32
Data File : C:\DX\DATA\96023901.d18
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 18 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	171	1047	2	
2	1.12	fluoride	4.524	333	1316	2	5.00
3	1.21		0.000	476	3230	2	
4	1.66	chloride	38.546	2052	10180	1	0.40
5	2.00	nitrite	231.075	7052	42328	1	-0.66
6	3.34	nitrate	2142.800	38616	394388	1	0.80
7	5.01	phosphate	14.289	73	1020	1	1.62
8	6.72	sulfate	39.669	519	7687	1	3.28
9	8.85	oxalate	24.578	184	3637	1	3.75
		Totals	2495.481	49476	464833		

File: 96023901.d18 Sample: S96T001305 DUP



LABCORE Data Entry Template for Worklist# 7879

96023901, D19 → D24

Analyst: JLF **Instrument:** IC00 _____ **Book#** 133N9-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001312	0	W	@IC-01	SOLID	96000143	U-105 (R)
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
5	DUP	S96T001312	0	W	@IC-01	SOLID		
6	SPK	S96T001312	0	W	@IC-01	SOLID		

Final page for worklist # 7879

Jessie Johnson 4-23-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 7879 mar. csv
Onshell 4/25/96 JMF
(Not printed) 4/30/96
Validated

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7879

Analyst: JLF **Instrument:** IC01 **Book#** 133N9-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		2.21e-01	0.221	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.96e+01	101.017	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.20e+01	91.139	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02		5.58e+02	96.875	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.62e+02	97.739	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.91e+02	96.254	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.47e+02	100.183	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.14e+02	97.306	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02		5.27e+02	98.138	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		2.81e-01	0.281	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		1.85e-01	0.185	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	F-02	SOLID	N/A		1.160e+03	56.970	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	CL-02	SOLID	N/A		7.830e+03	74.510	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	NO2-02	SOLID	N/A		8.413e+04	468.900	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	BR-02	SOLID	N/A	<	5.522e+02	552.100	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	NO3-02	SOLID	N/A		1.183e+05	613.000	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	PO4-02	SOLID	N/A		3.726e+03	521.000	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	SO4-02	SOLID	N/A		1.484e+04	595.600	ug/g
4	SAMPLE	S96T001312	W	0	@IC-01	OXALATE2	SOLID	N/A		1.085e+04	460.100	ug/g
5	DUP	S96T001312	W	0	@IC-01	F-02	SOLID	1.16e+03		1.12e+03	3.509	RPD
5	DUP	S96T001312	W	0	@IC-01	CL-02	SOLID	7.83e+03		7.16e+03	8.939	RPD
5	DUP	S96T001312	W	0	@IC-01	NO2-02	SOLID	8.41e+04		8.36e+04	0.596	RPD
5	DUP	S96T001312	W	0	@IC-01	BR-02	SOLID	<5.52e2		<5.10e2		RPD
5	DUP	S96T001312	W	0	@IC-01	NO3-02	SOLID	1.18e+05		1.33e+05	11.952	RPD
5	DUP	S96T001312	W	0	@IC-01	PO4-02	SOLID	3.73e+03		3.24e+03	14.060	RPD
5	DUP	S96T001312	W	0	@IC-01	SO4-02	SOLID	1.48e+04		1.15e+04	25.095	RPD
5	DUP	S96T001312	W	0	@IC-01	OXALATE2	SOLID	1.08e+04		9.81e+03	9.607	RPD
6	SPK	S96T001312	W	0	@IC-01	F-02	SOLID	5.90e01		4.10e+01	69.492	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7879

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001312	0	W	@IC-01	CL-02	SOLID	7.90e01	6.69e+01	84.684	% Recovery
6	SPK	S96T001312	0	W	@IC-01	NO2-02	SOLID	5.76e02	5.77e+02	100.174	% Recovery
6	SPK	S96T001312	0	W	@IC-01	BR-02	SOLID	5.75e02	5.43e+02	94.435	% Recovery
6	SPK	S96T001312	0	W	@IC-01	NO3-02	SOLID	6.14e02	6.61e+02	107.655	% Recovery
6	SPK	S96T001312	0	W	@IC-01	PO4-02	SOLID	5.46e02	5.53e+02	101.282	% Recovery
6	SPK	S96T001312	0	W	@IC-01	SO4-02	SOLID	6.31e02	6.25e+02	99.049	% Recovery
6	SPK	S96T001312	0	W	@IC-01	OXALATE2	SOLID	5.37e02	5.35e+02	99.628	% Recovery

Final page for worklist# 7879

Analyst Signature Date

Analyst Signature Date

Joel Smith 4/30/96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 30-Apr-96

Worklist#: 7879

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001312
=>	5	DUP	S96T001312
=>	6	SPK	S96T001312

Data File: 7879MAR.CSV

Seq#	Data File	Sample Name	Dilution
1	96023901.d19	BLANK	1.00
2	96023901.d20	133N9-E	101.00
3	96023901.d21	BLANK PREP	1.00
4	96023901.d22	S96T001312 SAM	21.00
5	96023901.d23	S96T001312 DUP	21.00
6	96023901.d24	S96T001312 SPIKE	21.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/25/1996 15 06:53

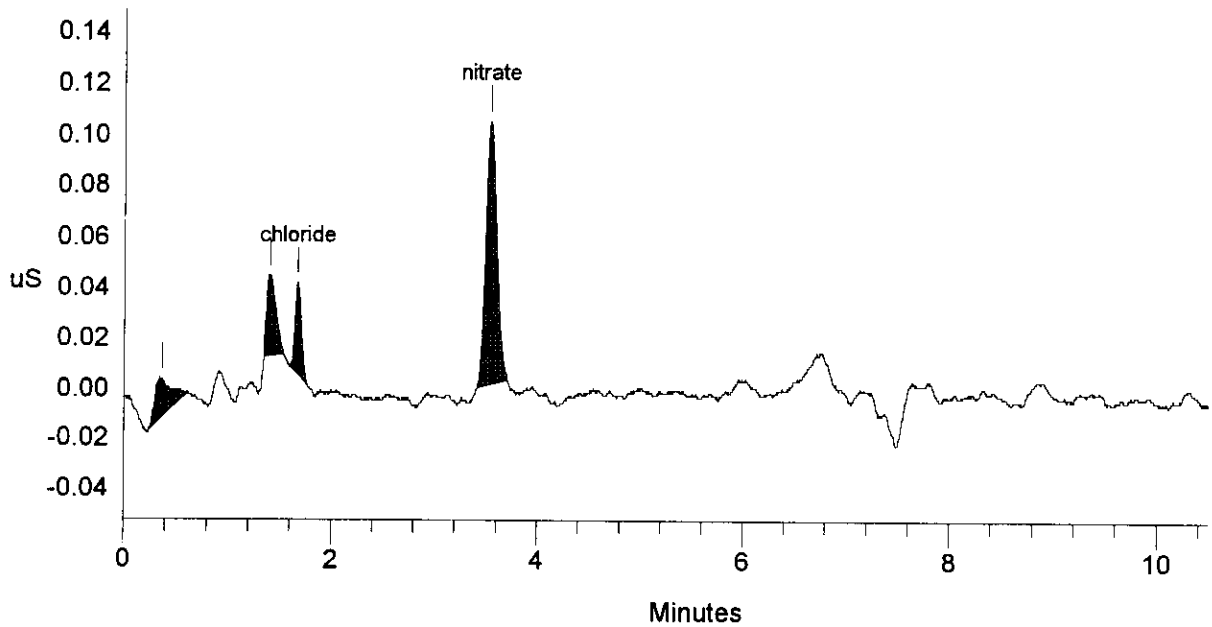
Sample Name: BLANK	Date: 04/24/1996 02:15:01
Data File : C:\DX\DATA\96023901.d19	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 19	Detector:CDM-1
Analyst : Jan M. Lee for JL 7/15/96	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.37		0.000	15	167	1	
2	1.41		0.000	32	198	1	
3	1.67	chloride	0.012	36	154	1	1.21
4	3.54	nitrate	0.221	103	759	1	6.84
		Totals	0.233	185	1278		

File: 96023901.d19 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 569 TO 573

Data Reprocessed On 04/25/1996 15:06:56

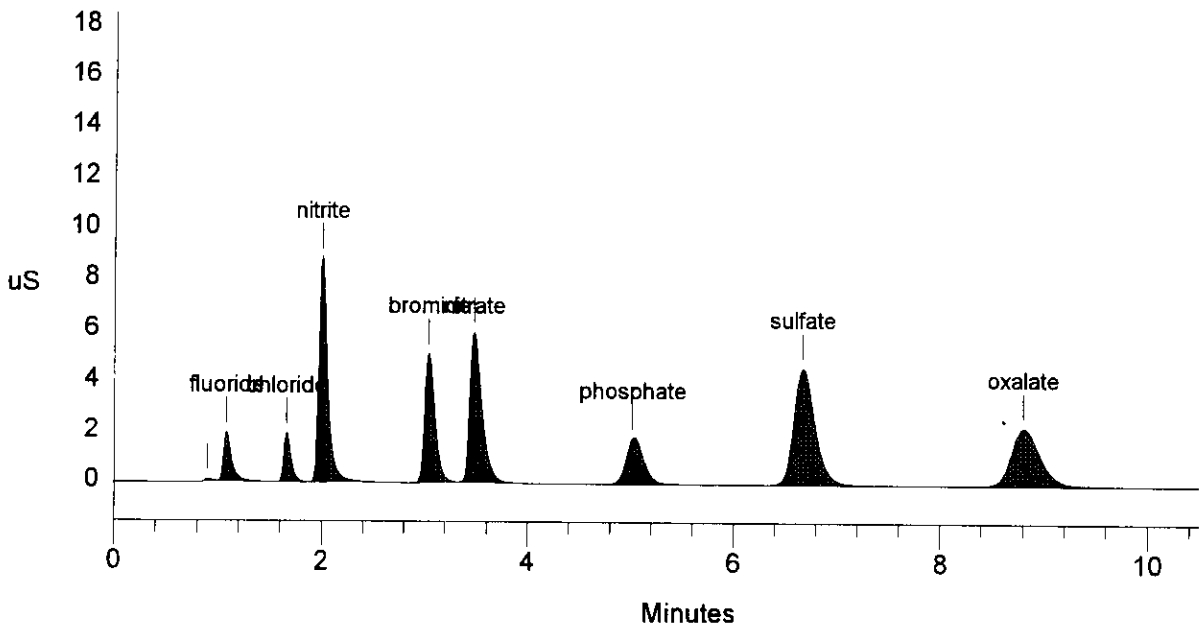
Sample Name: 133N9-E	Date: 04/24/1996 02:27:24
Data File : C:\DX\DATA\96023901.d20	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 20	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	81	428	2	
2	1.08	fluoride	59.585	1945	10674	2	1.25
3	1.66	chloride	72.038	1946	9600	1	0.40
4	2.00	nitrite	557.648	8785	51893	1	-0.66
5	3.03	bromide	562.271	5063	35072	1	2.48
6	3.47	nitrate	591.434	5876	48357	1	4.83
7	5.01	phosphate	547.148	1789	22327	1	1.62
8	6.67	sulfate	613.713	4551	65597	1	2.46
9	8.80	oxalate	526.969	2280	44120	1	3.13
		Totals	3530.807	32317	288068		

File: 96023901.d20 Sample: 133N9-E



Data Reprocessed On 04/25/1996 15:06:59

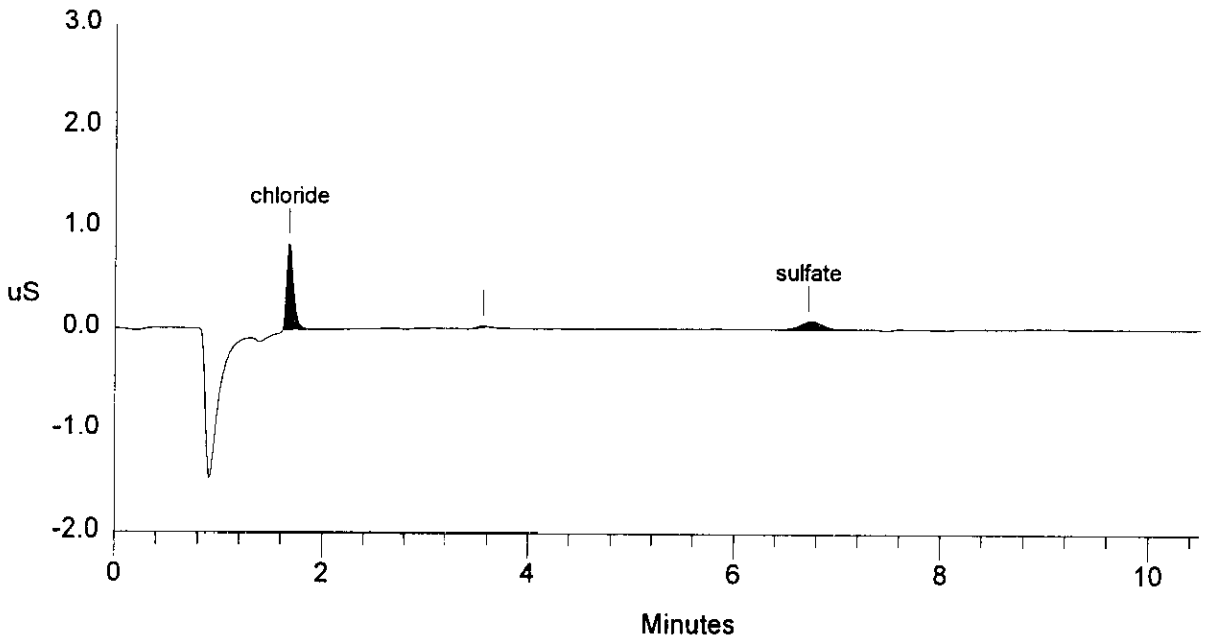
Sample Name: BLANK PREP	Date: 04/24/1996 02:39:50
Data File : C:\DX\DATA\96023901.d21	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 21	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.68	chloride	0.281	844	3757	1	1.61
2	3.56		0.000	19	110	1	
3	6.72	sulfate	0.185	83	1324	1	3.28
		Totals	0.467	946	5191		

File: 96023901.d21 Sample: BLANK PREP



Data Reprocessed On 04/25/1996 15:07:02

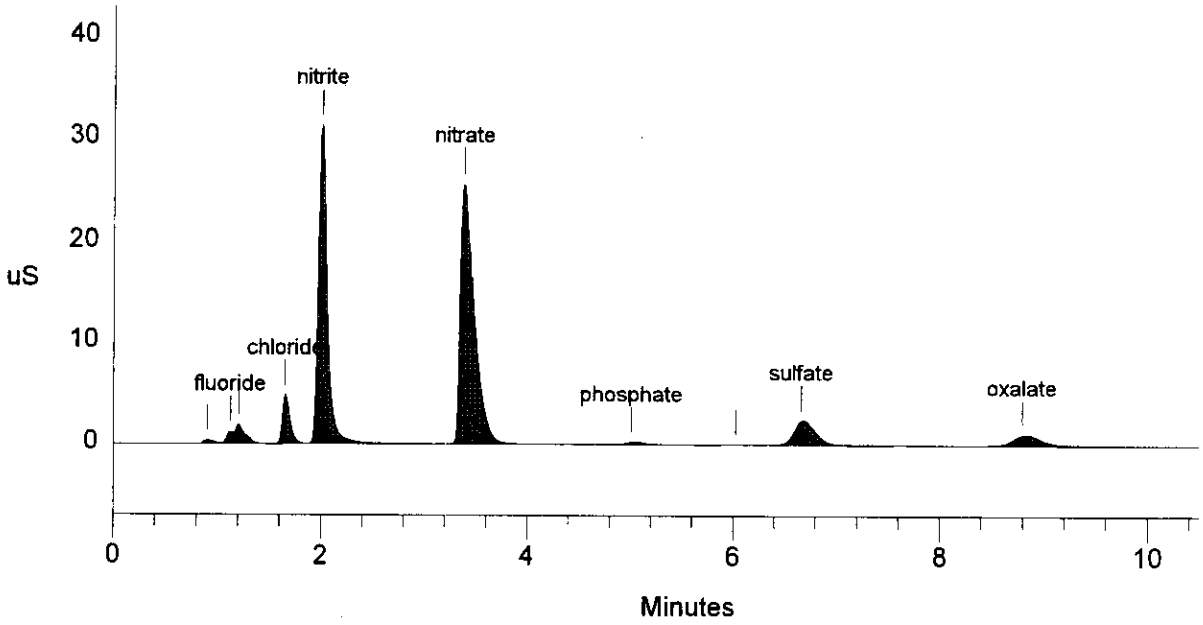
Sample Name: S96T001312 SAM	Date: 04/24/1996 02:53:16
Data File : C:\DX\DATA\96023901.d22	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 22	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	21	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	348	2074	2	
2	1.13	fluoride	5.560	1193	4567	2	5.63
3	1.21		0.000	1892	12648	2	
4	1.65	chloride	37.519	4762	24536	1	0.00
5	2.01	nitrite	403.131	31230	188501	1	-0.33
6	3.39	nitrate	566.944	25557	240691	1	2.21
7	5.01	phosphate	17.857	249	3348	1	1.62
8	6.03		0.000	22	393	1	
9	6.67	sulfate	71.103	2398	35956	1	2.46
10	8.80	oxalate	51.983	1001	20602	1	3.13
		Totals	1154.097	68653	533317		

File: 96023901.d22 Sample: S96T001312 SAM



Data Reprocessed On 04/25/1996 15:07:05

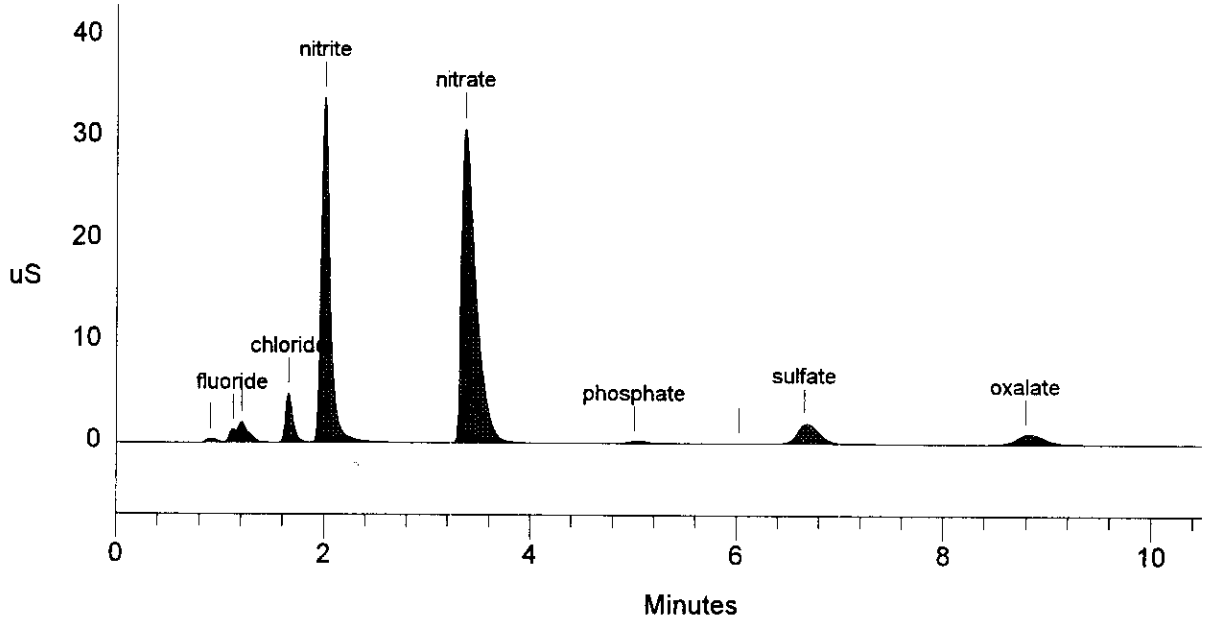
Sample Name: S96T001312 DUP Date: 04/24/1996 03:06:02
Data File : C:\DX\DATA\96023901.d23
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 23 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	21	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	375	2344	2	
2	1.12	fluoride	5.823	1261	4799	2	5.00
3	1.21		0.000	2040	13914	2	
4	1.66	chloride	37.173	4852	24302	1	0.40
5	2.01	nitrite	434.118	33793	203787	1	-0.33
6	3.37	nitrate	691.989	30820	299613	1	1.61
7	5.01	phosphate	16.843	238	3151	1	1.62
8	6.03		0.000	22	354	1	
9	6.67	sulfate	59.568	1962	29966	1	2.46
10	8.80	oxalate	50.951	989	20183	1	3.13
		Totals	1296.466	76351	602413		

File: 96023901.d23 Sample: S96T001312 DUP



Data Reprocessed On 04/25/1996 15:07:10

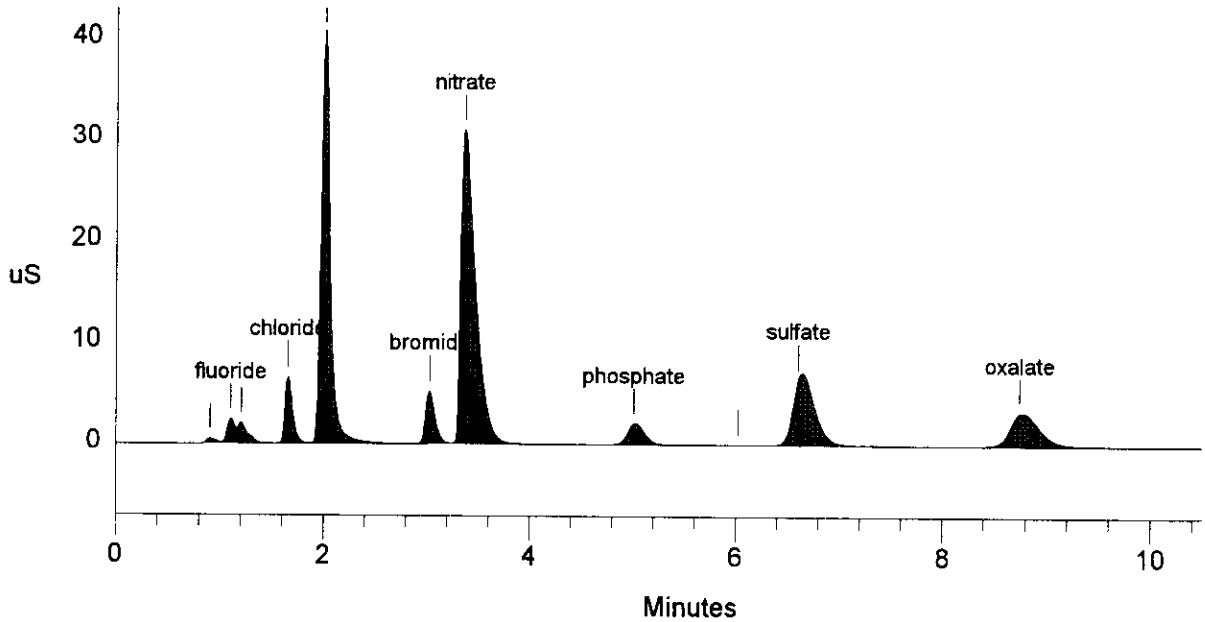
Sample Name: S96T001312 SPIKE Date: 04/24/1996 03:18:59
Data File : C:\DX\DATA\96023901.d24
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 24 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	21	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	407	2293	2	
2	1.11	fluoride	13.758	2377	11915	2	3.75
3	1.21		0.000	2029	13328	2	
4	1.65	chloride	50.900	6561	33707	1	0.00
5	2.01	nitrite	518.570	40553	246040	1	-0.33
6	3.03	bromide	108.690	5191	32521	1	2.25
7	3.37	nitrate	699.176	30795	303075	1	1.61
8	5.01	phosphate	128.360	2105	25269	1	1.62
9	6.03		0.000	25	380	1	
10	6.61	sulfate	196.022	6449	102173	1	1.64
11	8.75	oxalate	159.065	3207	64508	1	2.50
		Totals	1874.542	99698	835210		

File: 96023901.d24 Sample: S96T001312 SPIKE



04/23/96 07:09
A-0004-1

96042401.D03, D04 D11 → D13

LABCORE Data Entry Template for Worklist# 7941

Analyst: VLM **Instrument:** IC00 ICOI **Book#** 133N9-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: IC rerun for Br. nds A-105

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T001234	0		@IC-01	LIQUID	96000143	U-105 (R)
		Analytes Requested:			BR-02			
4	DUP	S96T001234	0		@IC-01	LIQUID		
5	SPK	S96T001234	0		@IC-01	LIQUID		

Final page for worklist # 7941

Valerie L Massie 04-24-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 7941 mai.csv

Installed 4/25/96 JMF

~~Uploaded 4/29/96 VLM~~ did not upload JMF 5/6/96

C. waklist not printed.

Uploaded 5/6/96 JM Fuge

Validated 5/6/96 JM Fuge

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

/96-04-29-16:06/001-027

LABCORE Completed Worklist Report for Worklist# 7941

Analyst: VLM **Instrument:** IC01 **Book#** 133N9E

Method: LA-533-165 Rev/Mod D-1

Worklist Comment: IC rerun for Br. nds 11/105

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	2.58e-01	0.258	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.65e+01	95.763	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.35e+01	93.038	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02	5.76e+02	100.000	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.69e+02	98.957	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.08e+02	99.023	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.52e+02	101.099	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.22e+02	98.574	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02	5.32e+02	99.069	% Recovery
3	SAMPLE	S96T001234		0	@IC-01	BR-02	LIQUID	N/A	2.373e+04	267.200	ug/mL
4	DUP	S96T001234		0	@IC-01	BR-02	LIQUID	2.37e+04	2.27e+04	4.310	RPD
5	SPK	S96T001234		0	@IC-01	BR-02	LIQUID	5.75e02	5.78e+02	100.522	% Recovery

Comments Section:

~~Comments for sample# S96T001234 and test @IC-01 .~~
~~Br SPK recovery poor due to possible matrix interference.~~
~~Br SPK recovery poor due to possible matrix interference.~~

Comment is a reprint of comment from worklist # 7252. It is not applicable to this worklist. [illegible] 7/25/96

Final page for worklist# 7941

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/6/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 06-May-96

Worklist#: 7941

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	SAMPLE	S96T001234
=>	4	DUP	S96T001234
=>	5	SPK	S96T001234

Data File: 7941MAR.CSV

Seq#	Data File	Sample Name	Dilution
1	96042401.d03	INSTR BLANK	1.00
2	96042401.d04	133N9-E STD	101.00
3	96042401.d11	S96T001234 SAMPL	2121.00
4	96042401.d12	S96T001234 DUP	2121.00
5	96042401.d13	S96T001234 SPIKE	2121.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/25/1996 15:16:48

Sample Name: INSTR BLANK	Date: 04/24/1996 09:15:31
Data File : C:\DX\DATA\96042401.d03	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

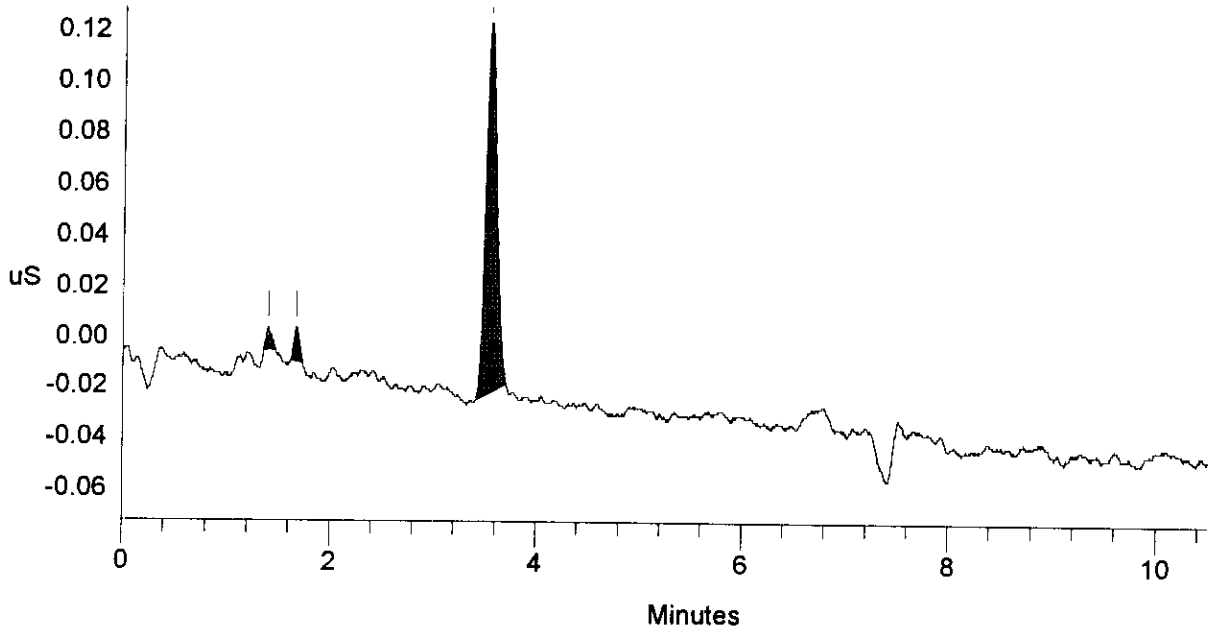
H Anastn for VL Massie 5-21-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.54	nitrate	0.258	144	1072	1	6.84
		Totals	0.258	144	1072		

File: 96042401.d03 Sample: INSTR BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 577 TO 581.

Data Reprocessed On 04/25/1996 15:16:51

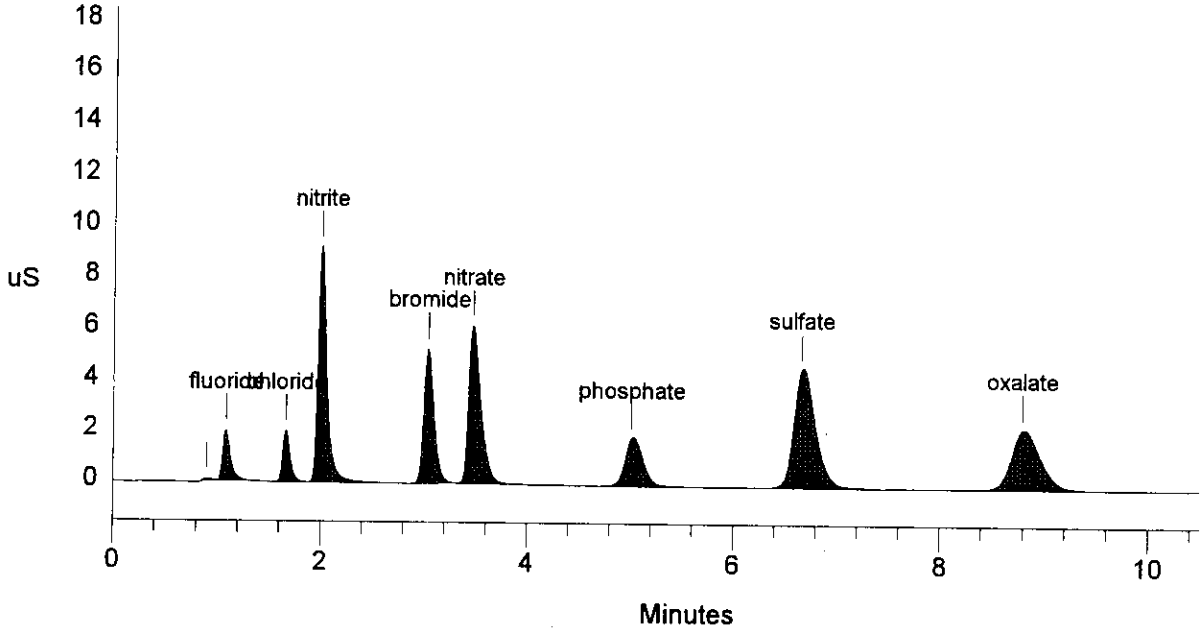
Sample Name: 133N9-E STD Date: 04/24/1996 10:32:15
Data File : C:\DX\DATA\96042401.d04
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	94	445	1	
2	1.09	fluoride	56.457	1978	10086	1	1.88
3	1.67	chloride	73.489	2024	9796	1	0.81
4	2.00	nitrite	576.065	9159	53658	1	-0.66
5	3.04	bromide	568.972	5255	35505	1	2.70
6	3.47	nitrate	607.832	6120	49749	1	4.83
7	5.01	phosphate	552.498	1827	22551	1	1.62
8	6.67	sulfate	622.270	4587	66538	1	2.46
9	8.80	oxalate	531.754	2315	44529	1	3.13
		Totals	3589.337	33359	292857		

File: 96042401.d04 Sample: 133N9-E STD



Data Reprocessed On 04/25/1996 15:16:54

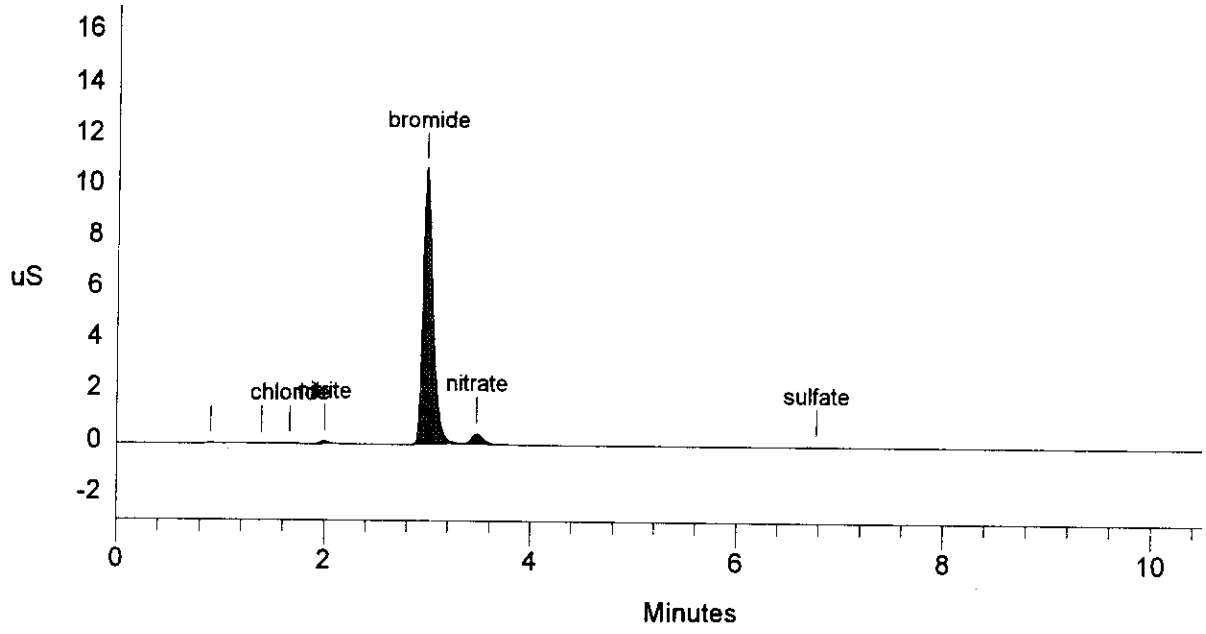
Sample Name: S96TOO1234 SAMPLE	Date: 04/24/1996 14:23:13
Data File : C:\DX\DATA\96042401.d11	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	28	147	1	
3	1.67	chloride	31.868	44	198	1	0.81
4	2.00	nitrite	360.032	126	695	1	-0.66
5	2.98	bromide	23732.490	10719	72518	1	0.68
6	3.47	nitrate	1035.391	401	2987	1	4.83
7	6.77	sulfate	193.194	23	316	1	4.10
		Totals	25352.975	11340	76860		

File: 96042401.d11 Sample: S96TOO1234 SAMPLE



Data Reprocessed On 04/25/1996 15:16:57

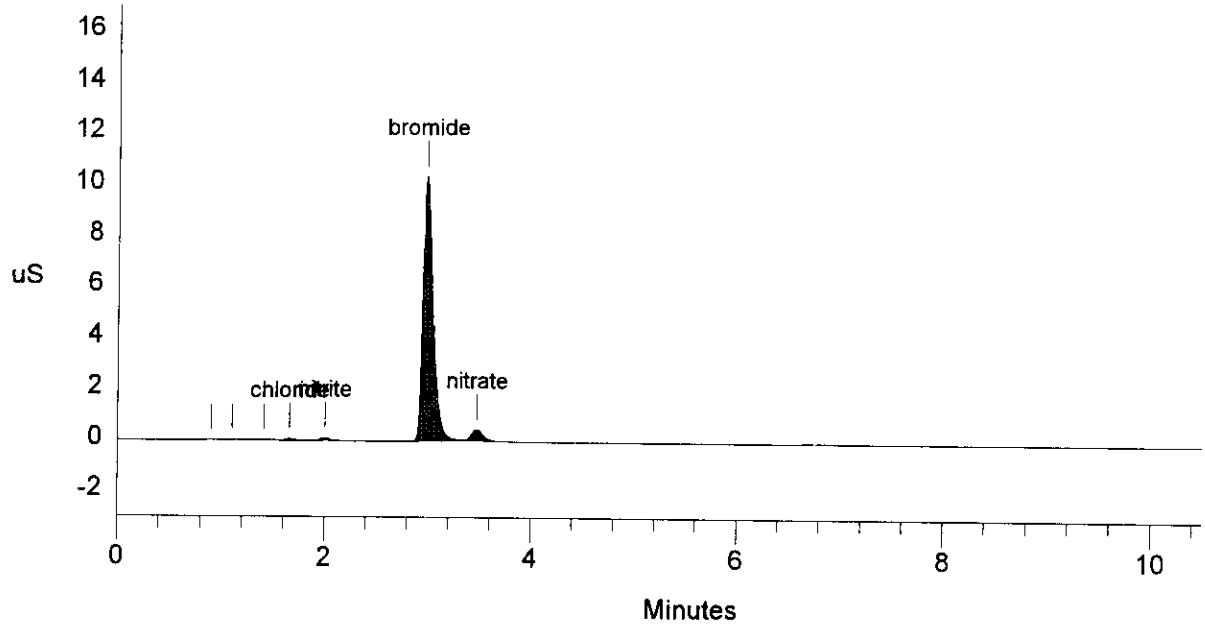
Sample Name: S96TOO1234 DUP Date: 04/24/1996 14:38:43
Data File : C:\DX\DATA\96042401.d12
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	23	128	1	
4	1.66	chloride	47.639	68	297	1	0.40
5	2.00	nitrite	344.602	117	626	1	-0.66
6	2.98	bromide	22706.894	10300	69236	1	0.68
7	3.47	nitrate	1113.715	445	3295	1	4.83
		Totals	24212.850	10953	73581		

File: 96042401.d12 Sample: S96TOO1234 DUP



Data Reprocessed On 04/25/1996 15:17:00

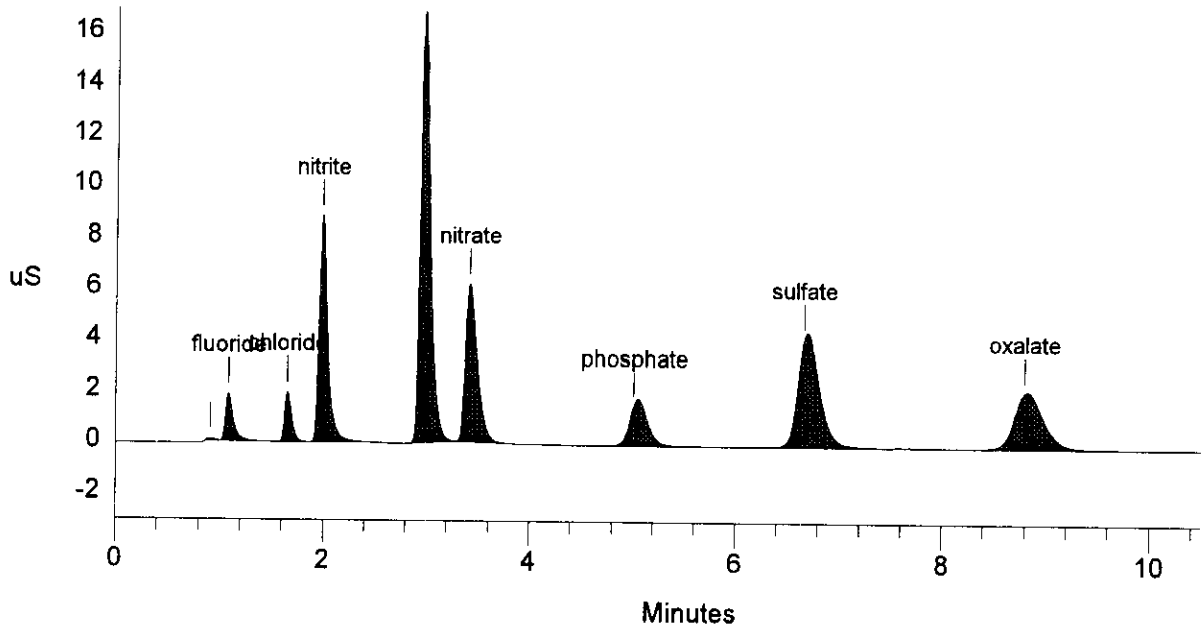
Sample Name: S96TOO1234 SPIKE Date: 04/24/1996 14:53:27
Data File : C:\DX\DATA\96042401.d13
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 13 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	98	495	2	
2	1.09	fluoride	1129.692	1867	9587	2	1.88
3	1.65	chloride	1476.577	1958	9367	1	0.00
4	1.99	nitrite	11378.520	8846	50378	1	-1.32
5	2.97	bromide	35400.656	16847	110735	1	0.23
6	3.41	nitrate	12643.788	6146	49261	1	3.02
7	5.01	phosphate	10958.226	1477	21269	1	1.62
8	6.67	sulfate	12357.809	4169	62822	1	2.46
9	8.80	oxalate	10532.256	2143	41952	1	3.13
		Totals	95877.524	43551	355866		

File: 96042401.d13 Sample: S96TOO1234 SPIKE



LABCORE Data Entry Template for Worklist# 8082

96042431.D01->D08

Analyst: KGH **Instrument:** IC00 _____ **Book#** 13B/9E

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001515	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
5	DUP	S96T001515	0	W	@IC-01	SOLID		
6	SPK	S96T001515	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001516	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
8	DUP	S96T001516	0	W	@IC-01	SOLID		

Final page for worklist # 8082

for K.G. Hall 5/6/96
Analyst Signature **Date**

Reviewed 5/6/96
Initial

Reviewed 5/6/96 [illegible]
[illegible] below project limit [illegible]
Results [illegible] 5/6/96 [illegible]

Analyst Signature **Date**

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8082

Analyst: **Instrument:** IC01 **Book#** 1331/9E

Method: LA-533-405 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	1.18e-01	0.118	ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	2.07e-01	0.207	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.91e+01	100.169	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.54e+01	95.443	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02	5.90e+02	102.431	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.63e+02	97.913	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.18e+02	100.651	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.59e+02	102.381	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.28e+02	99.525	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02	5.40e+02	100.559	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	F-02	SOLID	N/A	1.145e+03	279.200	ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	CL-02	SOLID	N/A	1.276e+04	365.100	ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	NO2-02	SOLID	N/A	4.208e+04	2298.000	ug/g
4	REJECT	S96T001515	W	0	@IC-01	BR-02	SOLID	N/A <	2.706e+03		ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	NO3-02	SOLID	N/A	4.326e+05	3005.000	ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	PO4-02	SOLID	N/A	6.142e+03	2553.000	ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	SO4-02	SOLID	N/A	1.113e+04	2919.000	ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	OXALATE2	SOLID	N/A	9.309e+03	2255.000	ug/g
5	DUP	S96T001515	W	0	@IC-01	F-02	SOLID	1.14e+03	1.03e+03	10.138	RPD
5	DUP	S96T001515	W	0	@IC-01	CL-02	SOLID	1.28e+04	3.59e+03	112.386	RPD
5	DUP	S96T001515	W	0	@IC-01	NO2-02	SOLID	4.21e+04	3.59e+04	15.897	RPD
5	DUP	S96T001515	W	0	@IC-01	BR-02	SOLID	<2.71e3	<2.48e3		RPD
5	DUP	S96T001515	W	0	@IC-01	NO3-02	SOLID	4.33e+05	3.73e+05	14.888	RPD
5	DUP	S96T001515	W	0	@IC-01	PO4-02	SOLID	6.14e+03	6.39e+03	3.990	RPD
5	DUP	S96T001515	W	0	@IC-01	SO4-02	SOLID	1.11e+04	8.79e+03	23.228	RPD
5	DUP	S96T001515	W	0	@IC-01	OXALATE2	SOLID	9.31e+03	7.84e+03	17.143	RPD
6	SPK	S96T001515	W	0	@IC-01	F-02	SOLID	5.90e01	6.90e+01	116.949	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8082

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001515	0	W	@IC-01	CL-02	SOLID	7.90e01	3.75e+01	47.468	% Recovery
6	SPK	S96T001515	0	W	@IC-01	NO2-02	SOLID	5.76e02	6.25e+02	108.507	% Recovery
6	SPK	S96T001515	0	W	@IC-01	BR-02	SOLID	5.75e02	5.97e+02	103.826	% Recovery
6	SPK	S96T001515	0	W	@IC-01	NO3-02	SOLID	6.14e02	6.93e+02	112.866	% Recovery
6	SPK	S96T001515	0	W	@IC-01	PO4-02	SOLID	5.46e02	5.86e+02	107.326	% Recovery
6	SPK	S96T001515	0	W	@IC-01	SO4-02	SOLID	6.31e02	6.48e+02	102.694	% Recovery
6	SPK	S96T001515	0	W	@IC-01	OXALATE2	SOLID	5.37e02	5.58e+02	103.911	% Recovery
7	SAMPLE	S96T001516	0	W	@IC-01	F-02	SOLID	N/A	1.774e+03	277.800	ug/g
7	SAMPLE	S96T001516	0	W	@IC-01	CL-02	SOLID	N/A	2.129e+03	363.200	ug/g
7	SAMPLE	S96T001516	0	W	@IC-01	NO2-02	SOLID	N/A	2.462e+04	2287.000	ug/g
7	REJECT	S96T001516	0	W	@IC-01	BR-02	SOLID	N/A <	?		ug/g
7	SAMPLE	S96T001516	0	W	@IC-01	NO3-02	SOLID	N/A	4.791e+05	2990.000	ug/g
7	SAMPLE	S96T001516	0	W	@IC-01	PO4-02	SOLID	N/A	1.576e+04	2540.000	ug/g
7	SAMPLE	S96T001516	0	W	@IC-01	SO4-02	SOLID	N/A	7.640e+03	2904.000	ug/g
7	SAMPLE	S96T001516	0	W	@IC-01	OXALATE2	SOLID	N/A	1.550e+04	2243.000	ug/g
8	DUP	S96T001516	0	W	@IC-01	F-02	SOLID	1.77e+03	1.72e+03	2.865	RPD
8	DUP	S96T001516	0	W	@IC-01	CL-02	SOLID	2.13e+03	2.27e+03	6.364	RPD
8	DUP	S96T001516	0	W	@IC-01	NO2-02	SOLID	2.46e+04	2.46e+04	0.000	RPD
8	DUP	S96T001516	0	W	@IC-01	BR-02	SOLID	<2.69e3	<2.62e3		RPD
8	DUP	S96T001516	0	W	@IC-01	NO3-02	SOLID	4.79e+05	4.79e+05	0.000	RPD
8	DUP	S96T001516	0	W	@IC-01	PO4-02	SOLID	1.58e+04	1.47e+04	7.213	RPD
8	DUP	S96T001516	0	W	@IC-01	SO4-02	SOLID	7.64e+03	7.13e+03	6.906	RPD
8	DUP	S96T001516	0	W	@IC-01	OXALATE2	SOLID	1.55e+04	1.51e+04	2.614	RPD

Final page for worklist# 8082

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/21/96

Validated JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 06-May-96

Worklist#: 8082

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001515
=>	5	DUP	S96T001515
=>	6	SPK	S96T001515
=>	7	SAMPLE	S96T001516
=>	8	DUP	S96T001516

Data File: 8082AP.CSV

Seq#	Data File	Sample Name	Dilution
1	96042431.d01	BLANK	1.00
2	96042431.d02	133N9-E	101.00
3	96042431.d03	PREP-BLANK	1.00
4	96042431.d04	S96T001515SAM	101.00
5	96042431.d05	S96T001515DUP	101.00
6	96042431.d06	S96T001515SPK	101.00
7	96042431.d07	S96T001516SAM	101.00
8	96042431.d08	S96T001516DUP	101.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/29/1996 11:24:58

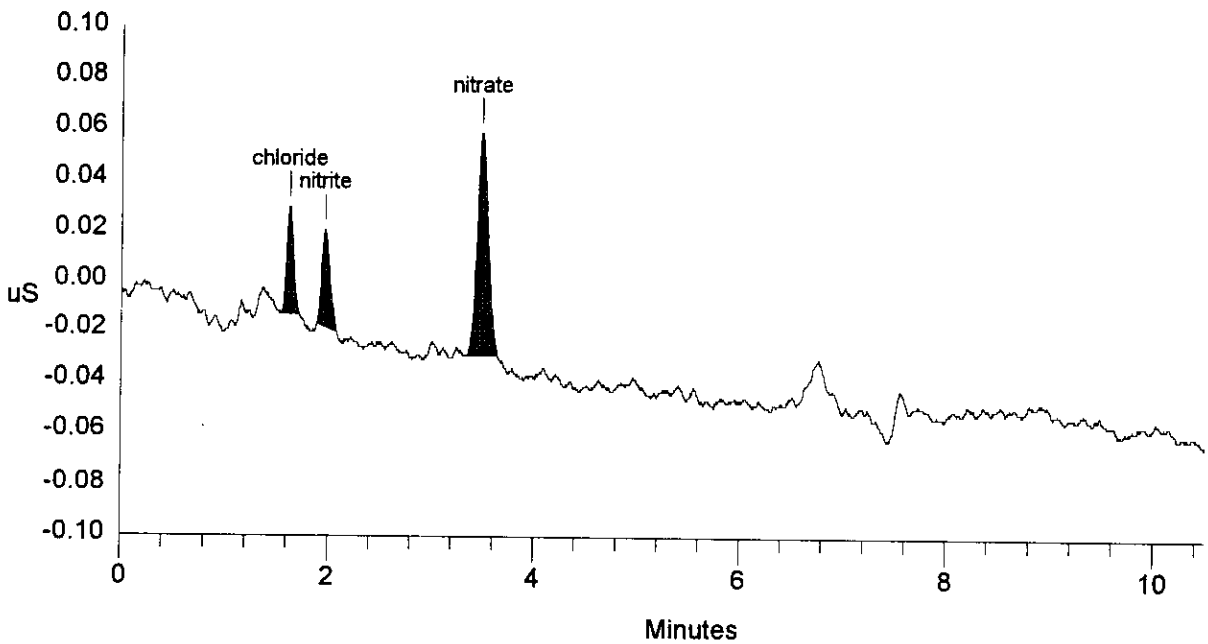
Sample Name: BLANK Date: 04/27/1996 14:15:21
Data File : C:\DX\DATA\96042431.d01
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : [illegible] Column: AG4A/AS4A anion column
(for KGH)

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.62	chloride	0.014	42	190	1	-2.02
2	1.97	nitrite	0.118	38	210	1	-2.32
3	3.49	nitrate	0.207	87	645	1	5.23
		Totals	0.340	167	1045		

File: 96042431.d01 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 596 TO 593

Data Reprocessed On 04/29/1996 11:25:04

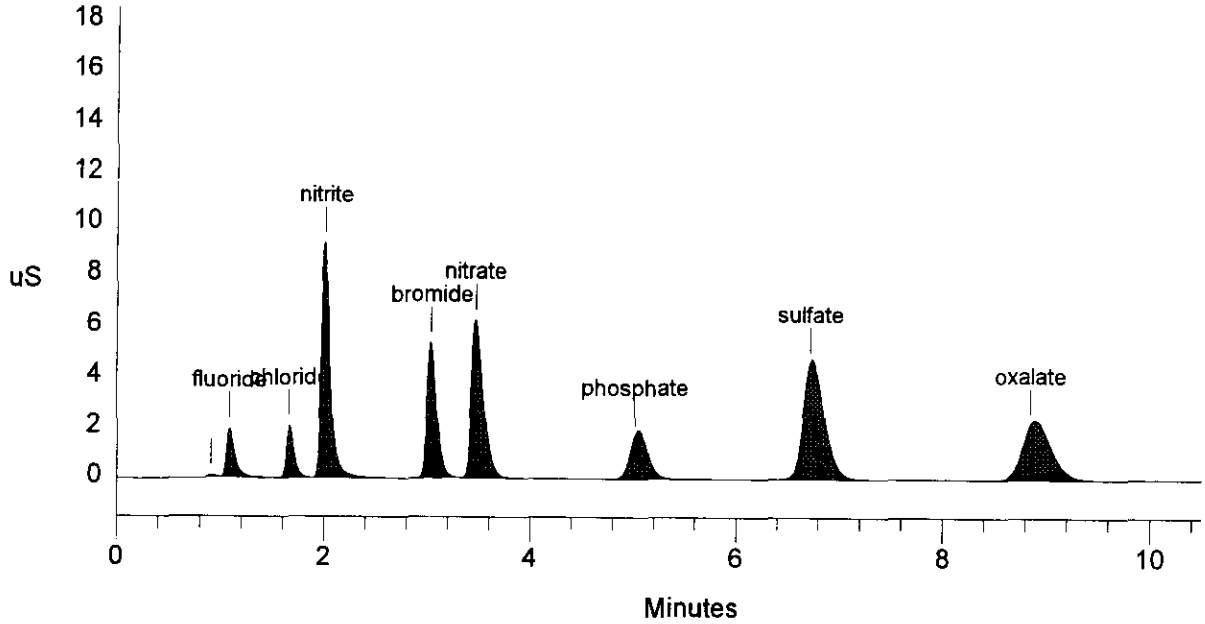
Sample Name: 133N9-E	Date: 04/27/1996 14:30:51
Data File : C:\DX\DATA\96042431.d02	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	80	395	2	
2	1.09	fluoride	59.065	1927	10576	2	1.88
3	1.67	chloride	75.411	2056	10055	1	0.81
4	2.01	nitrite	590.371	9207	55030	1	-0.33
5	3.03	bromide	563.226	5348	35134	1	2.48
6	3.47	nitrate	618.216	6232	50631	1	4.63
7	5.01	phosphate	558.893	1704	22818	1	1.62
8	6.72	sulfate	628.184	4590	67189	1	3.28
9	8.85	oxalate	539.657	2216	45203	1	3.75
		Totals	3633.022	33359	297031		

File: 96042431.d02 Sample: 133N9-E



Data Reprocessed On 04/29/1996 1:25:09

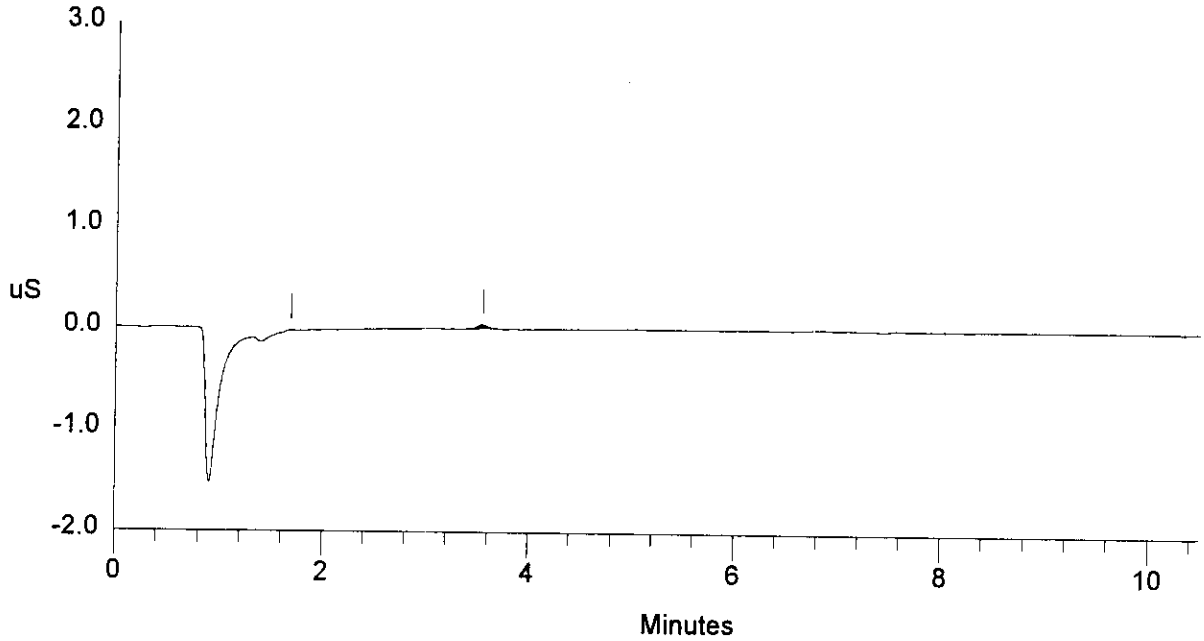
Sample Name: PREP-BLANK	Date: 04/27/1996 14:46:27
Data File : C:\DX\DATA\96042431.d03	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.55		0.000	41	258	1	
		Totals	0.000	41	258		

File: 96042431.d03 Sample: PREP-BLANK



Data Reprocessed On 04/29/1996 11:25:17

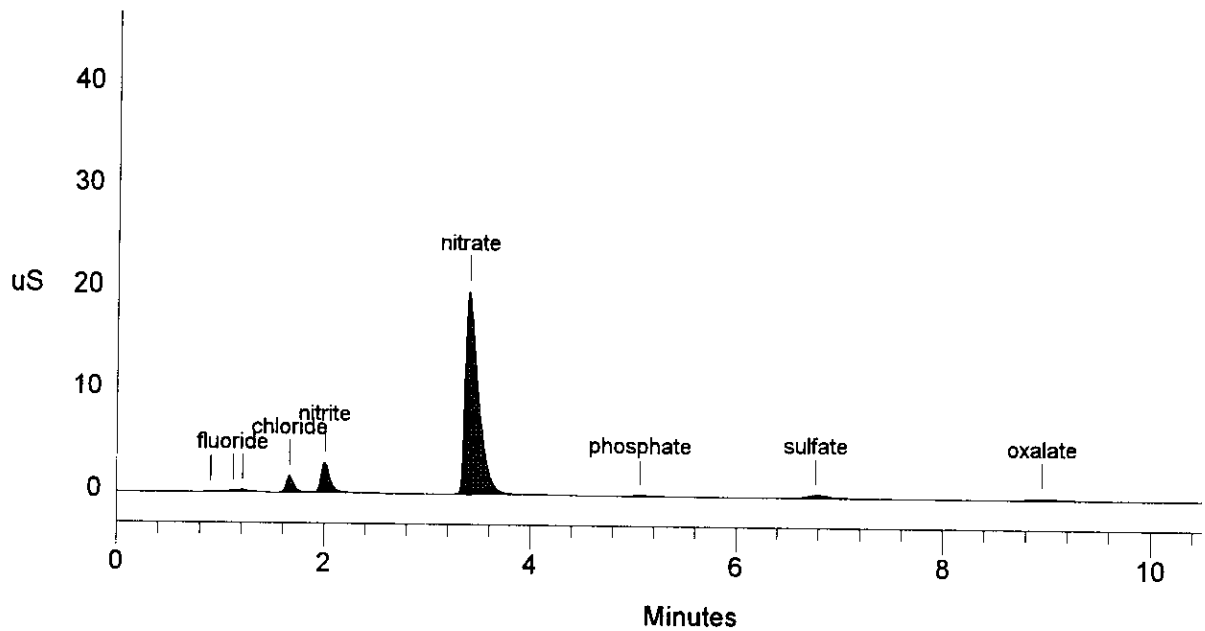
Sample Name: S96T001515SAM Date: 04/27/1996 14:59:51
Data File : C:\DX\DATA\96042431.d04
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	73	404	2	
2	1.12	fluoride	5.383	143	667	2	5.00
3	1.21		0.000	231	1441	2	
4	1.67	chloride	59.994	1607	7977	1	0.81
5	2.01	nitrite	197.880	2954	17684	1	-0.33
6	3.40	nitrate	2034.514	19857	175684	1	2.62
7	5.07	phosphate	28.887	85	1044	1	2.70
8	6.77	sulfate	52.342	317	4897	1	4.10
9	8.96	oxalate	43.781	166	3226	1	5.00
		Totals	2422.782	25433	213024		

File: 96042431.d04 Sample: S96T001515SAM



Data Reprocessed On 04/29/1996 11:25:23

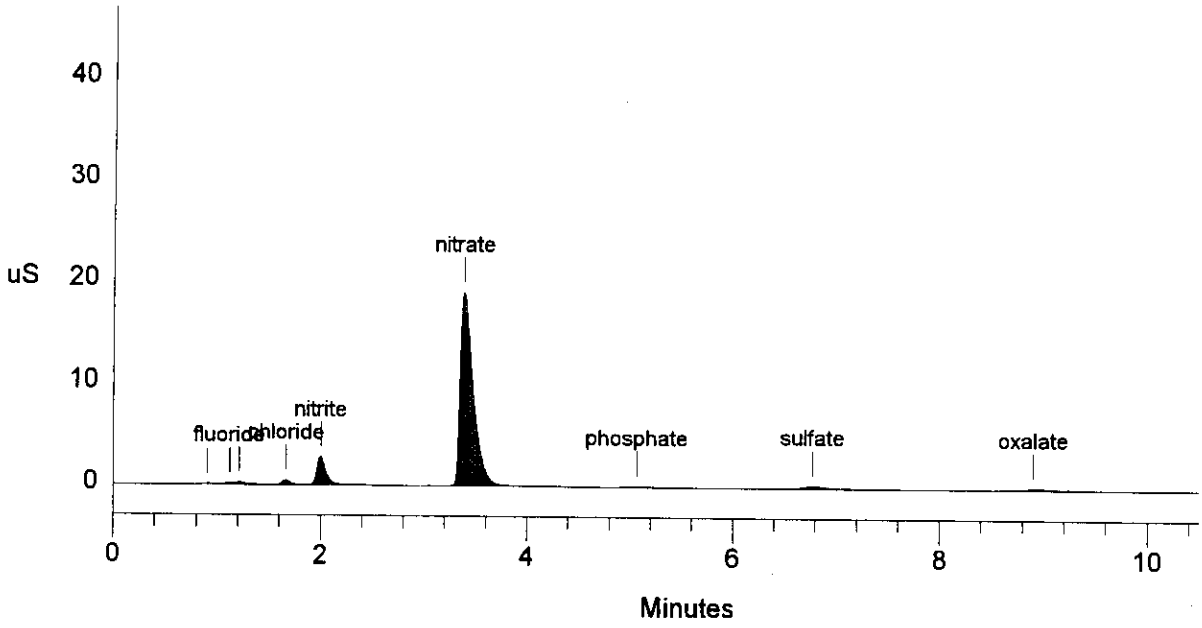
Sample Name: S96T001515DUP Date: 04/27/1996 16:32:26
Data File : C:\DX\DATA\96042431.d05
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	67	390	2	
2	1.12	fluoride	5.291	145	650	2	5.00
3	1.21		0.000	234	1503	2	
4	1.67	chloride	18.422	494	2430	1	0.81
5	2.00	nitrite	184.376	2799	16410	1	-0.66
6	3.39	nitrate	1916.734	18997	164897	1	2.21
7	5.07	phosphate	32.797	98	1202	1	2.70
8	6.77	sulfate	45.095	267	4127	1	4.10
9	8.91	oxalate	40.249	149	2929	1	4.37
		Totals	2242.964	23250	194538		

File: 96042431.d05 Sample: S96T001515DUP



Data Reprocessed On 04/29/1996 11:25:30

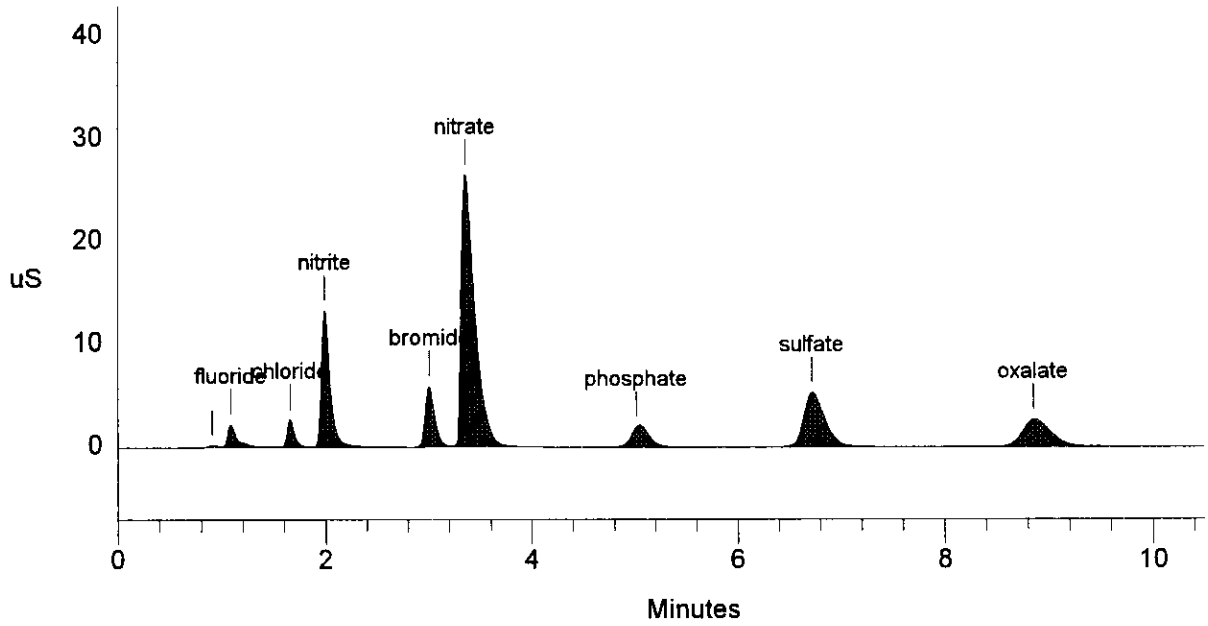
Sample Name: S96T001515SPK Date: 04/27/1996 16:44:09
Data File : C:\DX\DATA\96042431.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	140	717	2	
2	1.09	fluoride	74.376	2184	13470	2	1.88
3	1.66	chloride	97.484	2684	13051	1	0.40
4	1.99	nitrite	822.544	13208	77425	1	-0.99
5	3.01	bromide	597.338	5909	37341	1	1.58
6	3.35	nitrate	2727.223	26408	240738	1	1.21
7	5.01	phosphate	614.813	1939	25163	1	1.62
8	6.72	sulfate	700.175	5297	75133	1	3.28
9	8.85	oxalate	601.938	2658	50523	1	3.75
		Totals	6235.892	60427	533561		

File: 96042431.d06 Sample: S96T001515SPK



Data Reprocessed On 04/29/1996 11:25:36

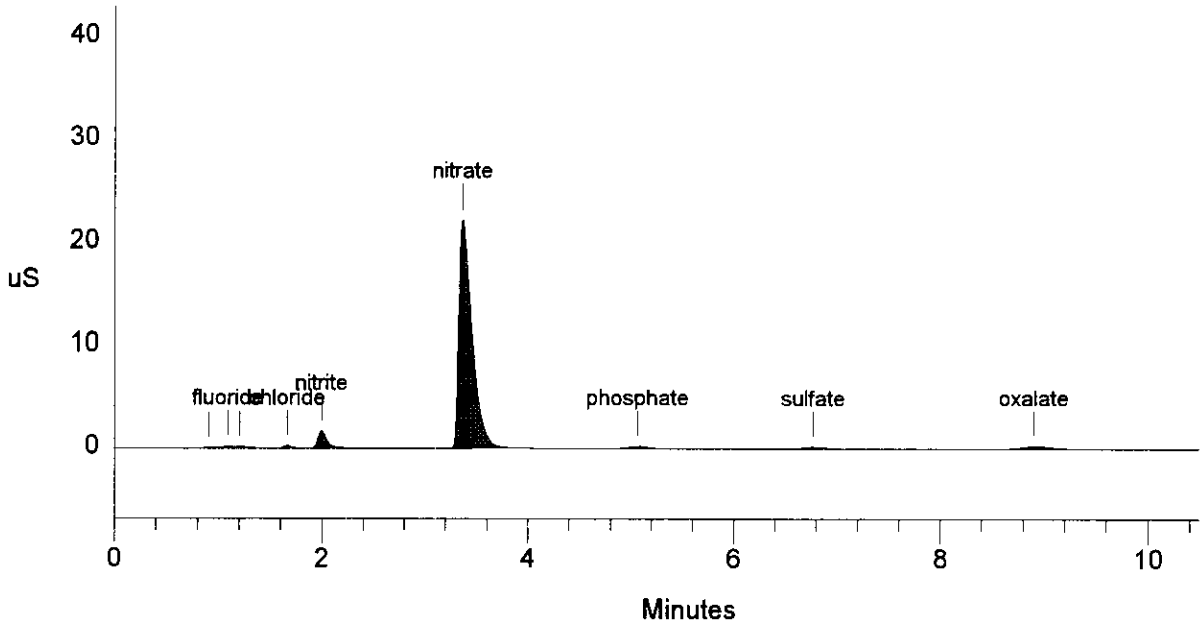
Sample Name: S96T001516SAM	Date: 04/27/1996 16:57:10
Data File : C:\DX\DATA\96042431.d07	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	57	323	2	
2	1.09	fluoride	8.384	233	1212	2	2.50
3	1.21		0.000	197	1182	2	
4	1.67	chloride	10.063	277	1325	1	0.81
5	2.00	nitrite	116.386	1708	10007	1	-0.66
6	3.37	nitrate	2264.624	22163	196983	1	1.61
7	5.07	phosphate	74.487	243	2887	1	2.70
8	6.77	sulfate	36.114	194	3172	1	4.10
9	8.91	oxalate	73.252	286	5702	1	4.37
		Totals	2583.310	25359	222793		

File: 96042431.d07 Sample: S96T001516SAM



Data Reprocessed On 04/29/1996 11:25:42

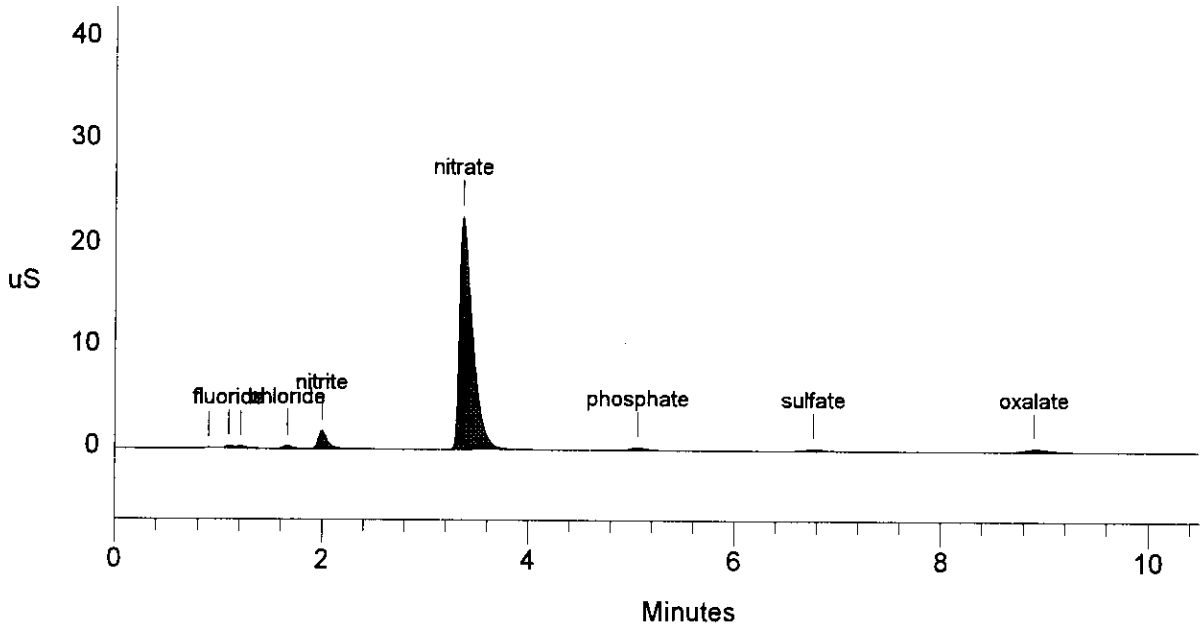
Sample Name: S96T001516DUP	Date: 04/27/1996 17:10:11
Data File : C:\DX\DATA\96042431.d08	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	56	307	2	
2	1.10	fluoride	8.345	236	1204	2	3.13
3	1.21		0.000	197	1178	2	
4	1.67	chloride	11.026	304	1452	1	0.81
5	2.00	nitrite	119.466	1771	10297	1	-0.66
6	3.37	nitrate	2321.997	22744	202340	1	1.61
7	5.07	phosphate	71.193	235	2753	1	2.70
8	6.77	sulfate	34.608	195	3012	1	4.10
9	8.91	oxalate	73.271	289	5704	1	4.37
		Totals	2639.905	26027	228248		

File: 96042431.d08 Sample: S96T001516DUP



✓

LABCORE Data Entry Template for Worklist# 8164

Analyst: JLF **Instrument:** IC00 IC01 **Book#** 13309-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-105 for IC-01

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T000929	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
5	DUP	S96T000929	0	W	@IC-01	SOLID		
6	SPK	S96T000929	0	W	@IC-01	SOLID		
7	SAMPLE	S96T000935	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
8	DUP	S96T000935	0	W	@IC-01	SOLID		

Final page for worklist # 8164

Jessi L Jensen 5-2-96

Analyst Signature **Date**

Analyst Signature **Date**

Exported 8164may.csv
on shell 5/21/96 JMF
Uploaded 5/21/96 JMFuge
Validated 5/21/96 JM Fuge

Data Entry Comments: 96050211. D12 → D22

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8164

Analyst: jlf **Instrument:** IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 for IC-01

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.64e-01	0.164	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.56e+01	94.237	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.22e+01	91.392	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.32e+02	99.069	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.56e+02	96.696	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.89e+02	95.928	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.42e+02	99.267	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.14e+02	97.306	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.98e+02	97.839	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	4.85e-01	0.485	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.56e-01	0.156	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	2.00e-01	0.200	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	F-02	SOLID	N/A	7.494e+02	31.520	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	CL-02	SOLID	N/A	3.997e+03	41.210	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	NO2-02	SOLID	N/A	4.690e+04	259.400	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	BR-02	SOLID	N/A <	3.054e+02	305.500	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	NO3-02	SOLID	N/A	1.010e+05	339.100	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	PO4-02	SOLID	N/A	7.021e+03	288.200	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	SO4-02	SOLID	N/A	1.943e+04	329.400	ug/g
4	SAMPLE	S96T000929	W	0	@IC-01	OXALATE2	SOLID	N/A	8.852e+03	254.500	ug/g
5	DUP	S96T000929	W	0	@IC-01	F-02	SOLID	7.49e+02	5.64e+02	28.180	RPD
5	DUP	S96T000929	W	0	@IC-01	CL-02	SOLID	4.00e+03	4.07e+03	1.735	RPD
5	DUP	S96T000929	W	0	@IC-01	NO2-02	SOLID	4.69e+04	4.75e+04	1.271	RPD
5	DUP	S96T000929	W	0	@IC-01	BR-02	SOLID	<3.05e2	<3.02e2		RPD
5	DUP	S96T000929	W	0	@IC-01	NO3-02	SOLID	1.01e+05	1.02e+05	0.985	RPD
5	DUP	S96T000929	W	0	@IC-01	PO4-02	SOLID	7.02e+03	4.37e+03	46.532	RPD
5	DUP	S96T000929	W	0	@IC-01	SO4-02	SOLID	1.94e+04	1.97e+04	1.535	RPD
5	DUP	S96T000929	W	0	@IC-01	OXALATE2	SOLID	8.85e+03	8.73e+03	1.365	RPD
6	SPK	S96T000929	W	0	@IC-01	F-02	SOLID	5.90e01	4.41e+01	74.746	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8164

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T000929	0	W	@IC-01	CL-02	SOLID	7.90e01		7.04e+01	89.114	% Recovery
6	SPK	S96T000929	0	W	@IC-01	NO2-02	SOLID	5.37e02		5.53e+02	102.980	% Recovery
6	SPK	S96T000929	0	W	@IC-01	BR-02	SOLID	5.75e02		5.23e+02	90.957	% Recovery
6	SPK	S96T000929	0	W	@IC-01	NO3-02	SOLID	6.14e02		5.30e+02	86.319	% Recovery
6	SPK	S96T000929	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.33e+02	97.619	% Recovery
6	SPK	S96T000929	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.26e+02	99.208	% Recovery
6	SPK	S96T000929	0	W	@IC-01	OXALATE2	SOLID	5.09e02		4.84e+02	95.088	% Recovery
7	SAMPLE	S96T000935	0	W	@IC-01	F-02	SOLID	N/A		6.400e+02	57.480	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	CL-02	SOLID	N/A		4.574e+03	75.160	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	NO2-02	SOLID	N/A		5.295e+04	473.100	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	BR-02	SOLID	N/A	<	5.571e+02	557.100	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	NO3-02	SOLID	N/A		1.591e+05	618.400	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	PO4-02	SOLID	N/A		3.949e+03	525.600	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	SO4-02	SOLID	N/A		2.619e+04	600.800	ug/g
7	SAMPLE	S96T000935	0	W	@IC-01	OXALATE2	SOLID	N/A		1.045e+04	464.300	ug/g
8	DUP	S96T000935	0	W	@IC-01	F-02	SOLID	6.40e+02		5.72e+02	11.221	RPD
8	DUP	S96T000935	0	W	@IC-01	CL-02	SOLID	4.57e+03		4.25e+03	7.256	RPD
8	DUP	S96T000935	0	W	@IC-01	NO2-02	SOLID	5.30e+04		4.90e+04	7.843	RPD
8	DUP	S96T000935	0	W	@IC-01	BR-02	SOLID	<5.57e2		<5.45e2		RPD
8	DUP	S96T000935	0	W	@IC-01	NO3-02	SOLID	1.59e+05		1.45e+05	9.211	RPD
8	DUP	S96T000935	0	W	@IC-01	PO4-02	SOLID	3.95e+03		3.28e+03	18.534	RPD
8	DUP	S96T000935	0	W	@IC-01	SO4-02	SOLID	2.62e+04		2.44e+04	7.115	RPD
8	DUP	S96T000935	0	W	@IC-01	OXALATE2	SOLID	1.04e+04		9.62e+03	7.792	RPD

Final page for worklist# 8164

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/21/96

Validated 5/21/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 21-May-96

Worklist#: 8164

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T000929
=>	5	DUP	S96T000929
=>	6	SPK	S96T000929
=>	7	SAMPLE	S96T000935
=>	8	DUP	S96T000935

Data File: 8164MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96050211.d12	BLANK	1.00
2	96050211.d14	133N9-F STD	101.00
3	96050211.d15	BLANK PREP	1.00
	96050211.d16	S96T00929 SAM	101.00
4	96050211.d17	S96T00929 SAM	11.00
5	96050211.d18	S96T00929 DUP	11.00
6	96050211.d19	S96T00929 SPIKE	11.00
	96050211.d20	S96T00935 SAM	101.00
7	96050211.d21	S96T00935 SAM	21.00
8	96050211.d22	S96T00935 DUP	21.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/21/1996 11:11:09

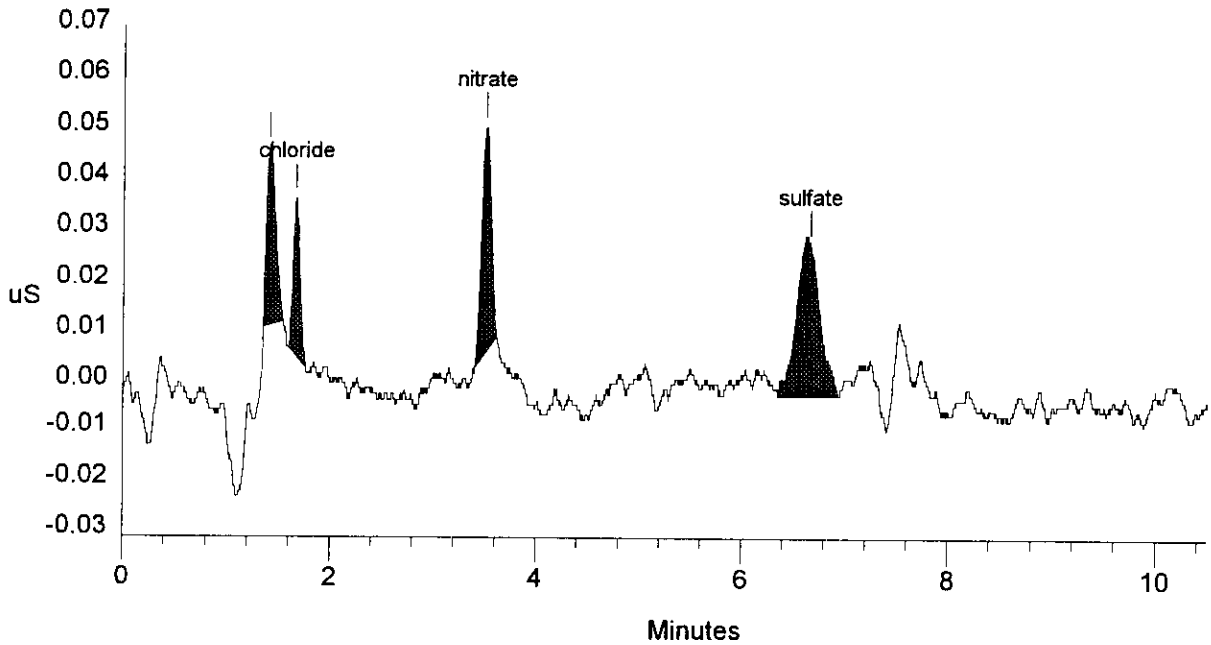
Sample Name: BLANK	Date: 05/02/1996 22:11:22
Data File : C:\DX\DATA\96050211.d12	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 12	Detector:CDM-1
Analyst : Jan Fuge for JLF 5/21/96	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.41		0.000	35	213	1	
2	1.67	chloride	0.011	31	141	1	0.81
3	3.51	nitrate	0.164	44	284	1	6.04
4	6.67	sulfate	0.106	29	478	1	2.46
		Totals	0.281	138	1117		

File: 96050211.d12 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 598 TO 607.

Data Reprocessed On 05/21/1996 11:11:12

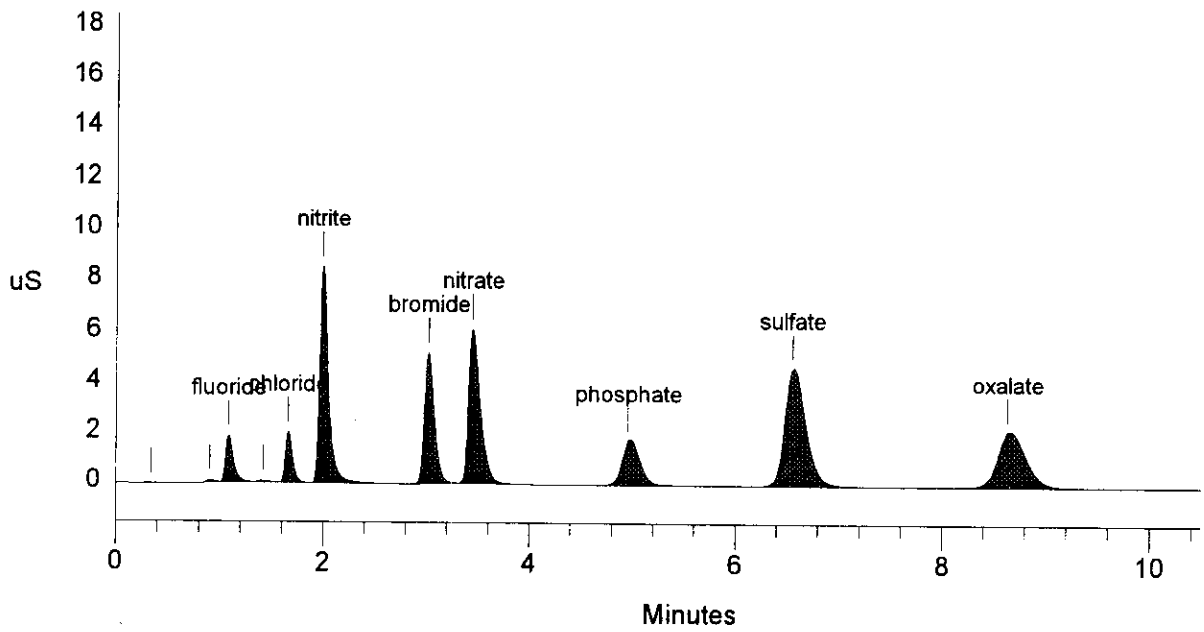
Sample Name: 133N9-F STD	Date: 05/02/1996 22:36:12
Data File : C:\DX\DATA\96050211.d14	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 14	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.34		0.000	14	100	1	
2	0.91		0.000	83	413	2	
3	1.09	fluoride	55.627	1859	9931	2	1.88
4	1.42		0.000	84	578	2	
5	1.66	chloride	72.235	2022	9626	1	0.40
6	1.99	nitrite	532.022	8479	49438	1	-0.99
7	3.02	bromide	556.159	5174	34677	1	2.03
8	3.45	nitrate	589.371	6066	48182	1	4.02
9	4.96	phosphate	542.217	1716	22121	1	0.54
10	6.56	sulfate	613.571	4621	65581	1	0.82
11	8.64	oxalate	497.928	2162	41644	1	1.25
		Totals	3459.130	32280	282291		

File: 96050211.d14 Sample: 133N9-F STD



Data Reprocessed On 05/21/1996 11:11:16

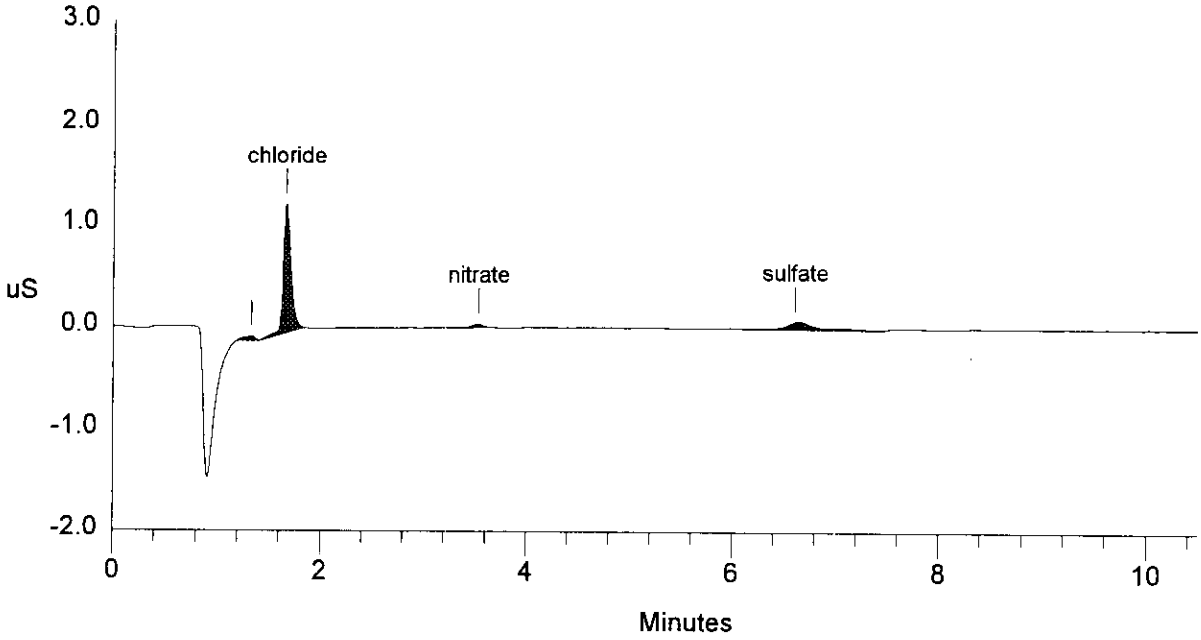
Sample Name: BLANK PREP	Date: 05/02/1996 22:48:45
Data File : C:\DX\DATA\96050211.d15	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 15	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.33		0.000	41	308	1	
2	1.67	chloride	0.485	1261	6494	1	0.81
3	3.53	nitrate	0.156	33	217	1	6.64
4	6.61	sulfate	0.200	71	1485	1	1.64
		Totals	0.840	1406	8504		

File: 96050211.d15 Sample: BLANK PREP



Data Reprocessed On 05/21/1996 11:11:13

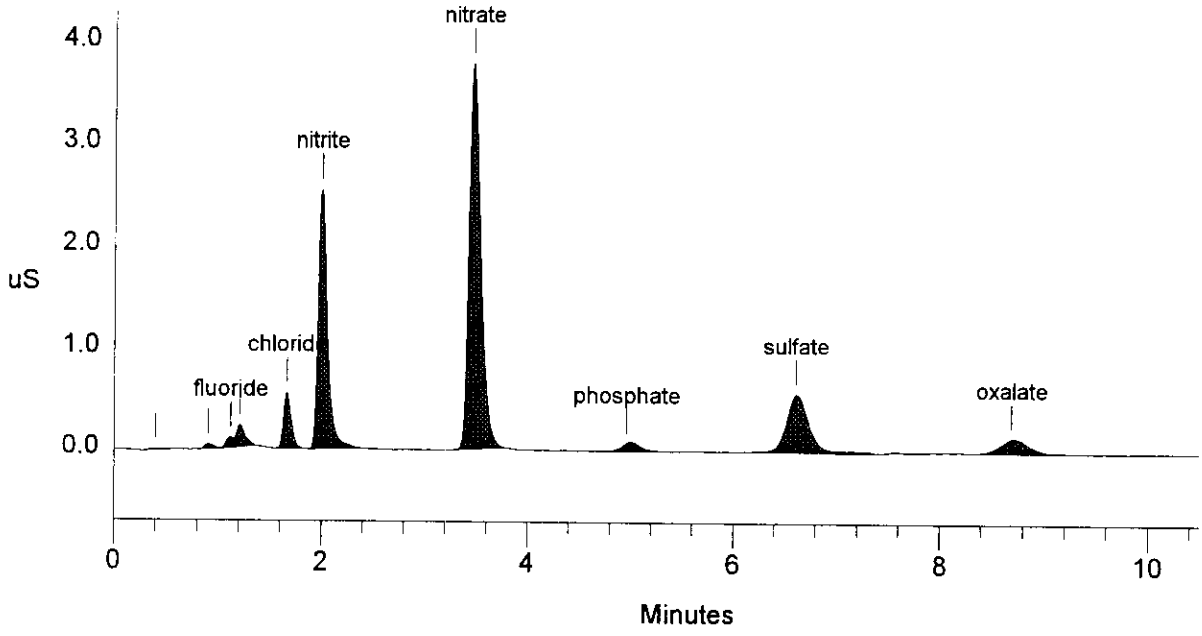
Sample Name: S96T00929 SAM	Date: 05/02/1996 23:09:38
Data File : C:\DX\DATA\96050211.d16	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 16	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.40		0.000	17	173	1	
2	0.91		0.000	46	271	1	
3	1.12	fluoride	4.519	104	510	2	5.00
4	1.21		0.000	220	1241	2	
5	1.67	chloride	21.259	557	2806	1	0.81
6	2.00	nitrite	177.423	2544	15754	1	-0.66
7	3.47	nitrate	371.934	3773	29839	1	4.63
8	4.96	phosphate	30.597	77	1113	1	0.54
9	6.61	sulfate	88.652	571	8762	1	1.64
10	8.69	oxalate	37.522	142	2700	1	1.88
		Totals	731.906	8051	63170		

File: 96050211.d16 Sample: S96T00929 SAM



Data Reprocessed On 05/21/1996 11:11:21

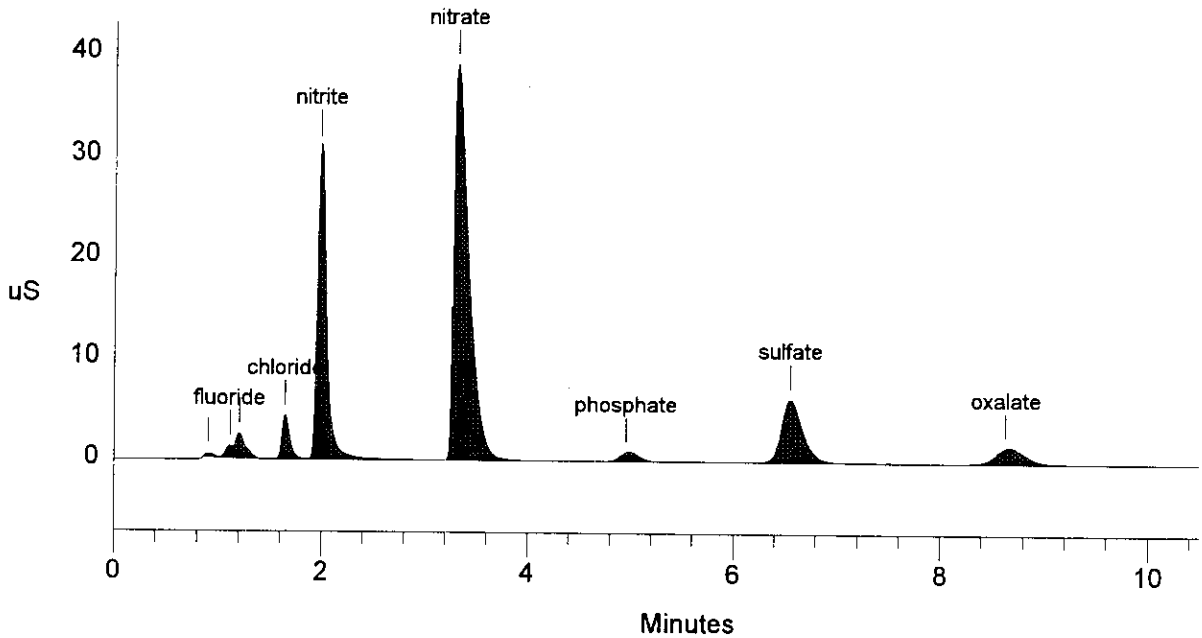
Sample Name: S96T00929 SAM Date: 05/02/1996 23:23:00
Data File : C:\DX\DATA\96050211.d17
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 17 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	11	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	444	2563	2	
2	1.11	fluoride	3.401	1277	5394	2	4.37
3	1.21		0.000	2532	17745	2	
4	1.65	chloride	18.139	4361	22587	1	-0.40
5	1.99	nitrite	212.812	30801	190049	1	-1.32
6	3.31	nitrate	458.127	38807	390410	1	0.00
7	4.96	phosphate	31.863	888	11778	1	0.54
8	6.56	sulfate	88.185	6224	87288	1	0.82
9	8.64	oxalate	40.172	1541	30667	1	1.25
		Totals	852.700	86875	758481		

File: 96050211.d17 Sample: S96T00929 SAM



Data Reprocessed On 05/21/1996 11:11:24

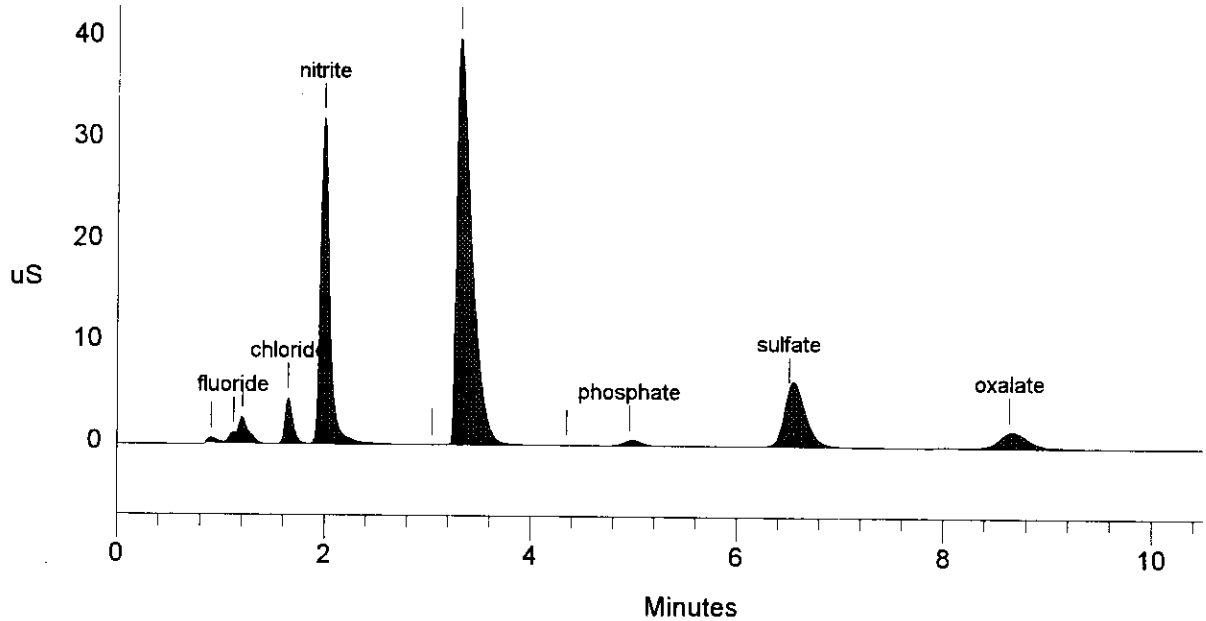
Sample Name: S96T00929 DUP	Date: 05/02/1996 23:34:29
Data File : C:\DX\DATA\96050211.d18	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 18	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	11	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	485	2842	2	
2	1.12	fluoride	2.591	1058	4024	2	5.00
3	1.21		0.000	2569	17511	2	
4	1.65	chloride	18.678	4485	23279	1	-0.40
5	1.99	nitrite	218.100	31921	195019	1	-0.99
7	3.31	nitrate	468.925	39862	401057	1	0.00
8	4.35		0.000	16	127	1	
9	4.96	phosphate	20.076	563	7349	1	0.54
10	6.51	sulfate	90.609	5322	89769	1	0.00
11	8.64	oxalate	40.091	1555	30604	1	1.25
		Totals	859.069	87837	771581		

File: 96050211.d18 Sample: S96T00929 DUP



Data Reprocessed On 05/21/1996 11:11:27

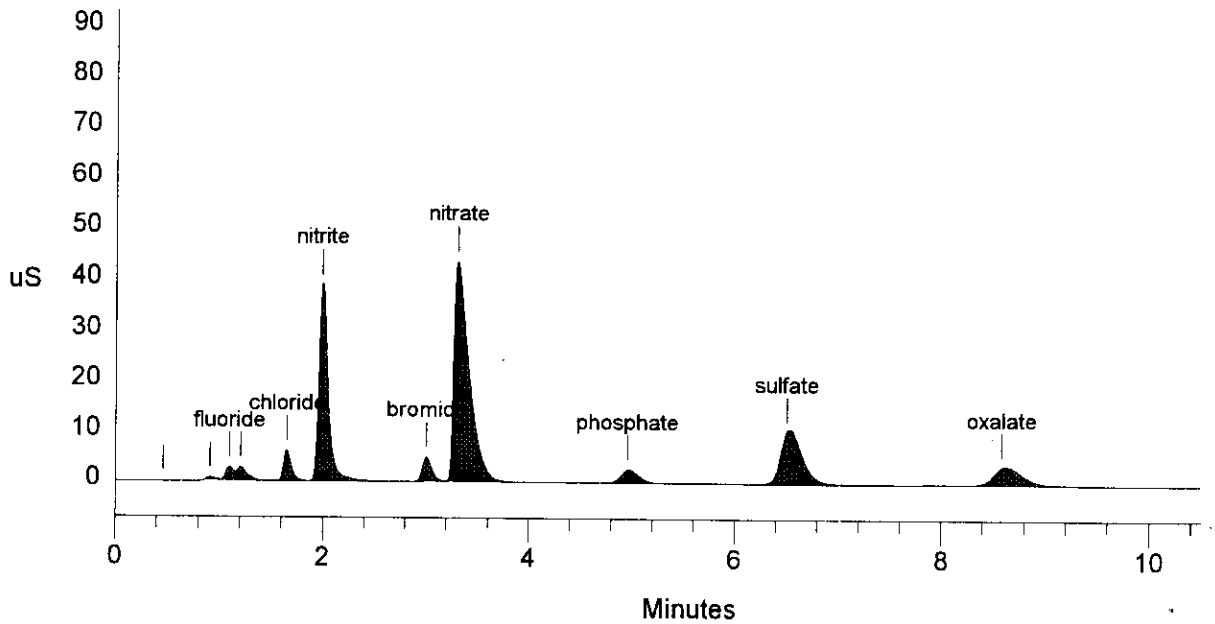
Sample Name: S96T00929 SPIKE Date: 05/02/1996 23:46:04
Data File : C:\DX\DATA\96050211.d19
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 19 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1		11	3150 5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	21	279	1	
2	0.91		0.000	502	2796	2	
3	1.10	fluoride	7.807	2637	12959	2	3.13
4	1.21		0.000	2630	18207	2	
5	1.65	chloride	25.176	6177	31742	1	0.00
6	1.99	nitrite	268.143	38814	242675	1	-0.99
7	3.01	bromide	52.252	4841	29755	1	1.58
8	3.31	nitrate	511.085	43327	443489	1	-0.20
9	4.96	phosphate	85.149	2631	32221	1	0.54
10	6.51	sulfate	150.793	10170	152539	1	0.00
11	8.59	oxalate	88.538	3374	68631	1	0.63
		Totals	1188.942	115123	1035293		

File: 96050211.d19 Sample: S96T00929 SPIKE



Data Reprocessed On 05/21/1996 11:21:31

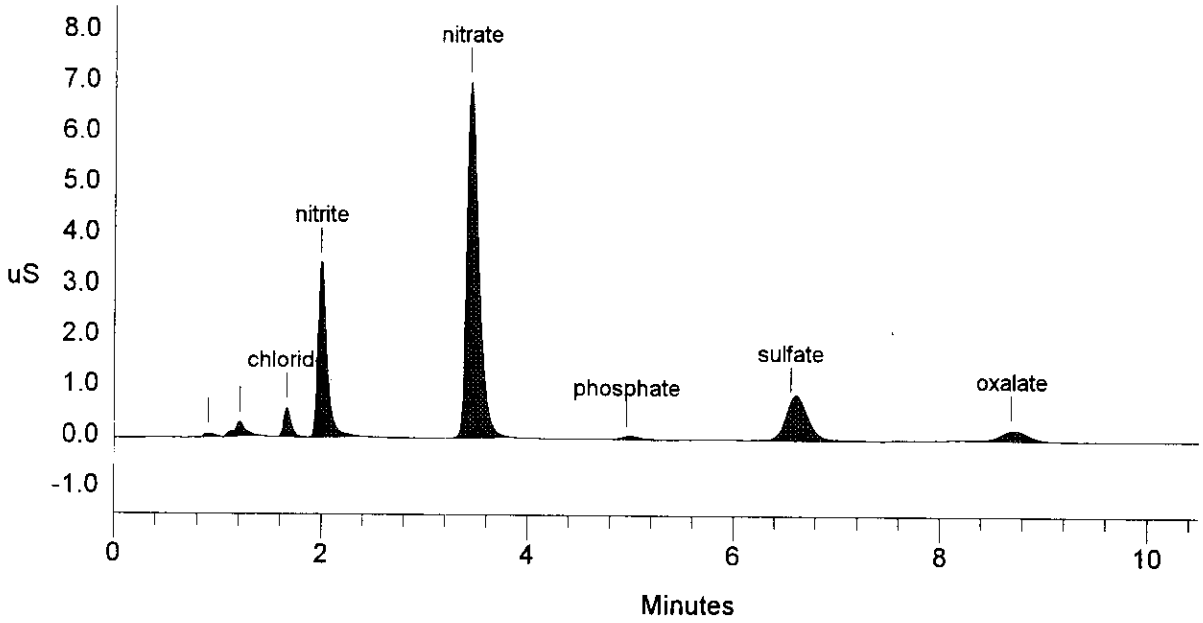
Sample Name: S96T00935 SAM	Date: 05/02/1996 23:57:38
Data File : C:\DX\DATA\96050211.d20	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 20	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	65	399	1	
2	1.21		0.000	281	2094	1	
3	1.67	chloride	21.230	567	2803	1	0.81
4	1.99	nitrite	228.545	3421	20579	1	-0.99
5	3.44	nitrate	680.829	6971	55958	1	3.82
6	4.96	phosphate	21.897	52	762	1	0.54
7	6.56	sulfate	128.757	746	13040	1	0.82
8	8.69	oxalate	47.963	193	3577	1	1.88
		Totals	1129.221	12297	99211		

File: 96050211.d20 Sample: S96T00935 SAM



Data Reprocessed On 05/21/1996 11:11:34

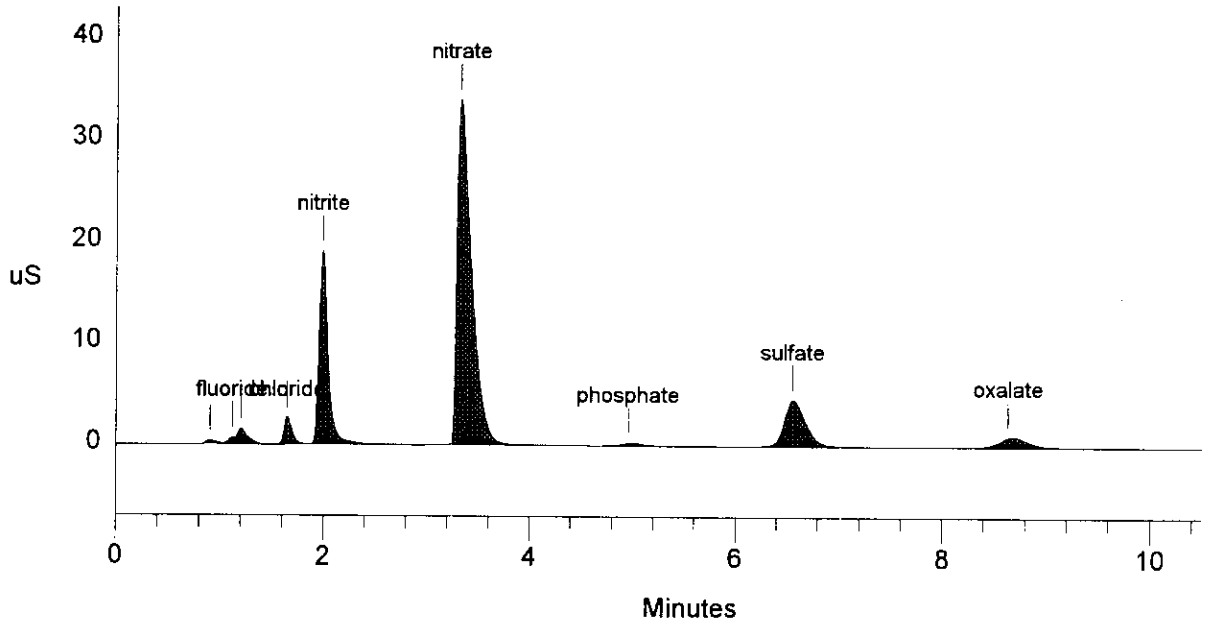
Sample Name: S96T00935 SAM	Date: 05/03/1996 00:09:23
Data File : C:\DX\DATA\96050211.d21	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 21	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1		21	3150 5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	315	1859	2	
2	1.12	fluoride	3.040	620	2347	2	5.00
3	1.21		0.000	1502	10110	2	
4	1.65	chloride	21.728	2644	14009	1	-0.40
5	1.99	nitrite	251.530	19047	115296	1	-0.99
6	3.33	nitrate	755.932	33921	330722	1	0.40
7	4.96	phosphate	18.756	258	3523	1	0.54
8	6.56	sulfate	124.382	4528	63893	1	0.82
9	8.64	oxalate	49.656	961	19656	1	1.25
		Totals	1225.025	63796	561415		

File: 96050211.d21 Sample: S96T00935 SAM



Data Reprocessed On 05/21/1996 11:11:37

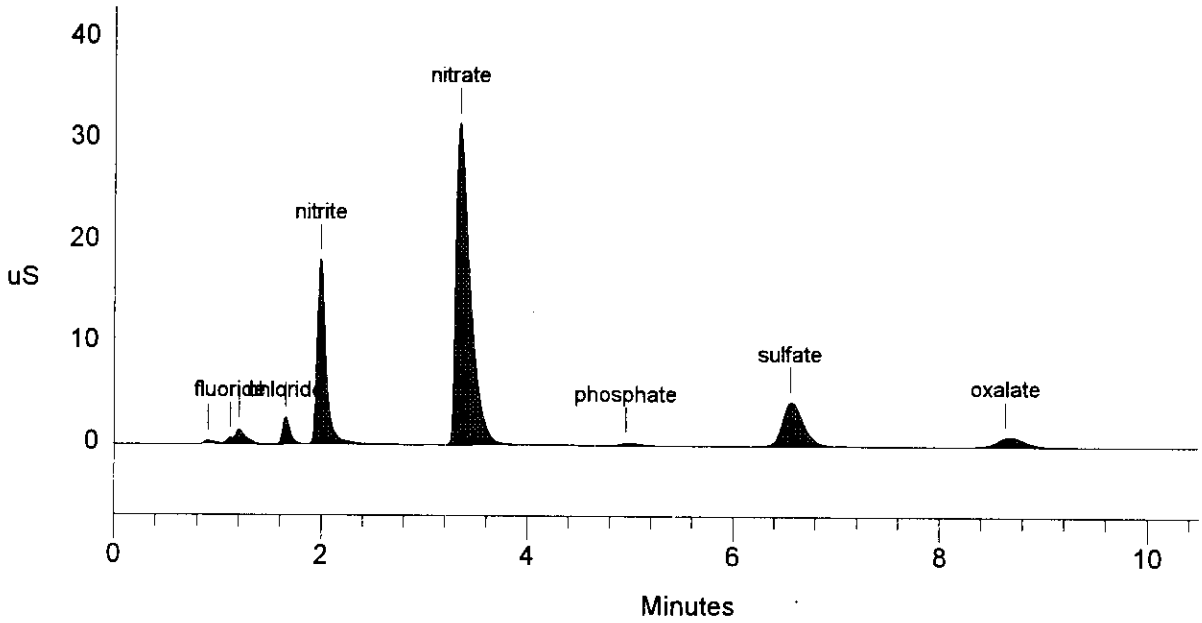
Sample Name: S96T00935 DUP Date: 05/03/1996 00:21:09
Data File : C:\DX\DATA\96050211.d22
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 22 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	21	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	302	1854	2	
2	1.12	fluoride	2.777	582	2117	2	5.00
3	1.21		0.000	1439	9831	2	
4	1.65	chloride	20.631	2625	13289	1	0.00
5	1.99	nitrite	237.982	18149	108876	1	-0.99
6	3.34	nitrate	705.530	31544	306143	1	0.80
7	4.96	phosphate	15.925	221	2972	1	0.54
8	6.56	sulfate	118.442	4247	60757	1	0.82
9	8.64	oxalate	46.724	897	18465	1	1.25
		Totals	1148.012	60006	524303		

File: 96050211.d22 Sample: S96T00935 DUP



LABCORE Data Entry Template for Worklist# 8165

Analyst: JLF **Instrument:** IC00 IC01 **Book#** 13309-F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: u-105 FOR IC-01 RTS! Try these DF's 100-10 (101) for NO3 for S96T001517 200-10 (51) for NOT thanks Jason

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001517	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001517	0	W	@IC-01	SOLID		
6	SPK	S96T001517	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001518	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001518	0	W	@IC-01	SOLID		

Final page for worklist # 8165

Jessie L Jury 5-2-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8165 may.CSV

On shell 5/21/96 JMF

Uploaded 5/30/96 JMF

Validated 5/30/96 JMF

Data Entry Comments:

9605 0211 D02 → D11

Spike at dilution 51 was not run, so S96T001517 ~~must~~ ~~be rerun at 101 & 51 only for Br~~ JMF 5/30/96 ~~101 & 51 only JMF~~ < Br value at 51 DF is <1.17e3, but could not be entered since we were missing spk data.

$(.126/51) \times \frac{1000 ml/L}{5.110 g/L} = <1.17e3$

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8165

Analyst: jlf **Instrument:** IC01 **Book#** 33N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: u-105 FOR IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		1.70e-01	0.170	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.64e+01	95.593	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.51e+01	95.063	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02		5.33e+02	99.255	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.43e+02	94.435	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.94e+02	96.743	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.42e+02	99.267	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.06e+02	96.038	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02		4.92e+02	96.660	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		1.51e-01	0.151	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	F-02	SOLID	N/A		2.644e+03	238.300	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	CL-02	SOLID	N/A		1.500e+03	311.600	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	NO2-02	SOLID	N/A		1.827e+04	1961.000	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	BR-02	SOLID	N/A	<	2.309e+03	2309.000	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	NO3-02	SOLID	N/A		4.947e+05	2564.000	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	PO4-02	SOLID	N/A		2.759e+04	2180.000	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	SO4-02	SOLID	N/A		3.345e+03	2491.000	ug/g
4	SAMPLE	S96T001517	W	0	@IC-01	OXALATE2	SOLID	N/A		1.411e+04	1924.000	ug/g
5	DUP	S96T001517	W	0	@IC-01	F-02	SOLID	2.64e+03		2.73e+03	3.352	RPD
5	DUP	S96T001517	W	0	@IC-01	CL-02	SOLID	1.50e+03		7.33e+03	132.050	RPD
5	DUP	S96T001517	W	0	@IC-01	NO2-02	SOLID	1.83e+04		1.81e+04	1.099	RPD
5	DUP	S96T001517	W	0	@IC-01	BR-02	SOLID	<2.31e3		<2.32e3		RPD
5	DUP	S96T001517	W	0	@IC-01	NO3-02	SOLID	4.95e+05		4.92e+05	0.608	RPD
5	DUP	S96T001517	W	0	@IC-01	PO4-02	SOLID	2.76e+04		2.78e+04	0.722	RPD
5	DUP	S96T001517	W	0	@IC-01	SO4-02	SOLID	3.34e+03		4.41e+03	27.613	RPD
5	DUP	S96T001517	W	0	@IC-01	OXALATE2	SOLID	1.41e+04		1.36e+04	3.610	RPD
6	SPK	S96T001517	W	0	@IC-01	F-02	SOLID	5.90e01		6.72e+01	113.898	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8165

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001517	0	W	@IC-01	CL-02	SOLID	7.90e01		7.32e+01	92.658	% Recovery
6	SPK	S96T001517	0	W	@IC-01	NO2-02	SOLID	5.37e02		5.58e+02	103.911	% Recovery
6	SPK	S96T001517	0	W	@IC-01	BR-02	SOLID	5.75e02		5.45e+02	94.783	% Recovery
6	SPK	S96T001517	0	W	@IC-01	NO3-02	SOLID	6.14e02		6.66e+02	108.469	% Recovery
6	SPK	S96T001517	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.55e+02	101.648	% Recovery
6	SPK	S96T001517	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.12e+02	96.989	% Recovery
6	SPK	S96T001517	0	W	@IC-01	OXALATE2	SOLID	5.09e02		5.09e+02	100.000	% Recovery
7	SAMPLE	S96T001518	0	W	@IC-01	F-02	SOLID	N/A		5.777e+03	95.570	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	CL-02	SOLID	N/A		2.411e+03	125.000	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	NO2-02	SOLID	N/A		2.482e+04	786.800	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	BR-02	SOLID	N/A	<	9.263e+02	926.200	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	NO3-02	SOLID	N/A		9.223e+04	1029.000	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	PO4-02	SOLID	N/A		6.012e+04	874.100	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	SO4-02	SOLID	N/A		1.512e+03	999.200	ug/g
7	SAMPLE	S96T001518	0	W	@IC-01	OXALATE2	SOLID	N/A		2.832e+04	772.000	ug/g
8	DUP	S96T001518	0	W	@IC-01	F-02	SOLID	5.78e+03		4.99e+03	14.670	RPD
8	DUP	S96T001518	0	W	@IC-01	CL-02	SOLID	2.41e+03		2.39e+03	0.833	RPD
8	DUP	S96T001518	0	W	@IC-01	NO2-02	SOLID	2.48e+04		2.81e+04	12.476	RPD
8	DUP	S96T001518	0	W	@IC-01	BR-02	SOLID	<9.26e2		<9.22e2		RPD
8	DUP	S96T001518	0	W	@IC-01	NO3-02	SOLID	9.22e+04		1.39e+05	40.484	RPD
8	DUP	S96T001518	0	W	@IC-01	PO4-02	SOLID	6.01e+04		6.85e+04	13.064	RPD
8	DUP	S96T001518	0	W	@IC-01	SO4-02	SOLID	1.51e+03		1.82e+03	18.619	RPD
8	DUP	S96T001518	0	W	@IC-01	OXALATE2	SOLID	2.83e+04		3.61e+04	24.224	RPD

Comments Section:

Comments for sample# S96T001517 **and test** @IC-01 .
Sample also run at 51df and Br < at this is <1.17e3. jmf

Final page for worklist# 8165

Analyst Signature **Date**

Analyst Signature **Date**

Janie M. Frye 5/30/96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 30-May-96

Worklist#: 8165

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S96T001517
	=>	5	DUP	S96T001517
	=>	6	SPK	S96T001517
	=>	7	SAMPLE	S96T001518
	=>	8	DUP	S96T001518
+				

Data File: 8165MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96050211.d02	BLANK	1.00
	2	96050211.d03	133N9-F STD	101.00
	3	96050211.d04	BLAQNK PREP	1.00
	4	96050211.d05	S96T001517 SAM	101.00
		96050211.d06	S96T001517 SAM	51.00
	5	96050211.d07	S96T001517 DUP	101.00
		96050211.d08	S96T001517 DUP	51.00
	6	96050211.d13	S96T001517 SPIKE	101.00
	7	96050211.d10	S96T001518 SAM	41.00
	8	96050211.d11	S96T001518 DUP	41.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/21/1996 11:08:57

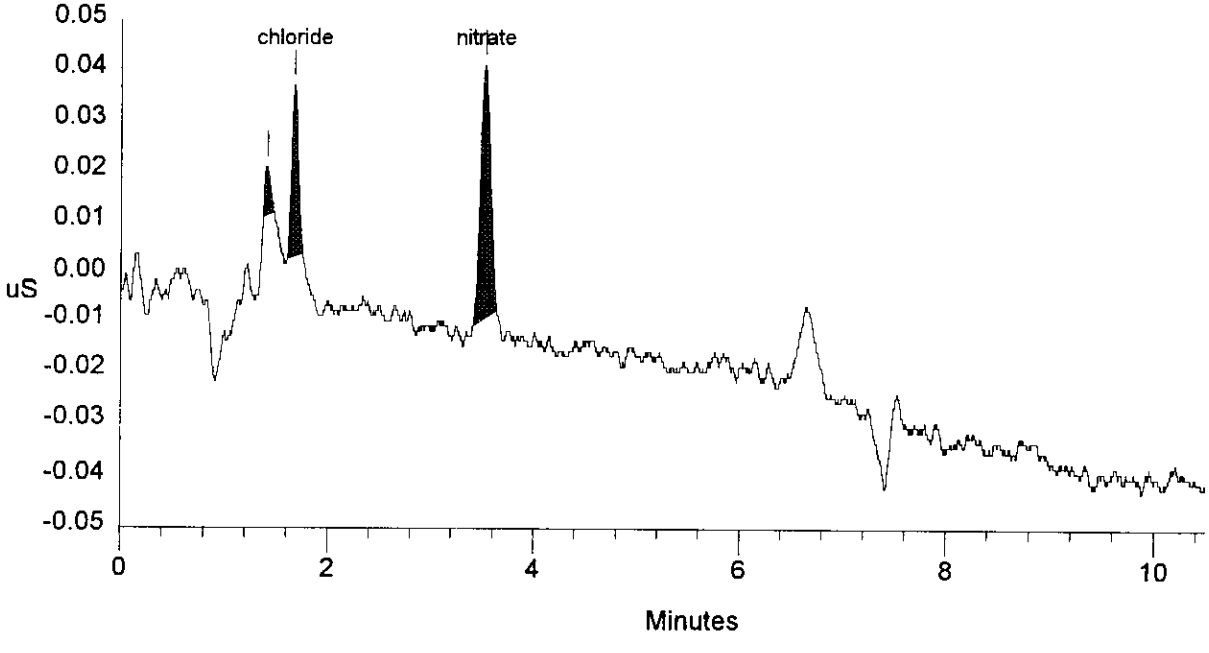
Sample Name: BLANK	Date: 05/02/1996 19:52:46
Data File : C:\DX\DATA\96050211.d02	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.67	chloride	0.011	34	149	1	1.21
3	3.53	nitrate	0.170	49	333	1	6.44
		Totals	0.181	83	482		

File: 96050211.d02 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 612 TO 621.

Data Reprocessed On 05/21/1996 11:09:00

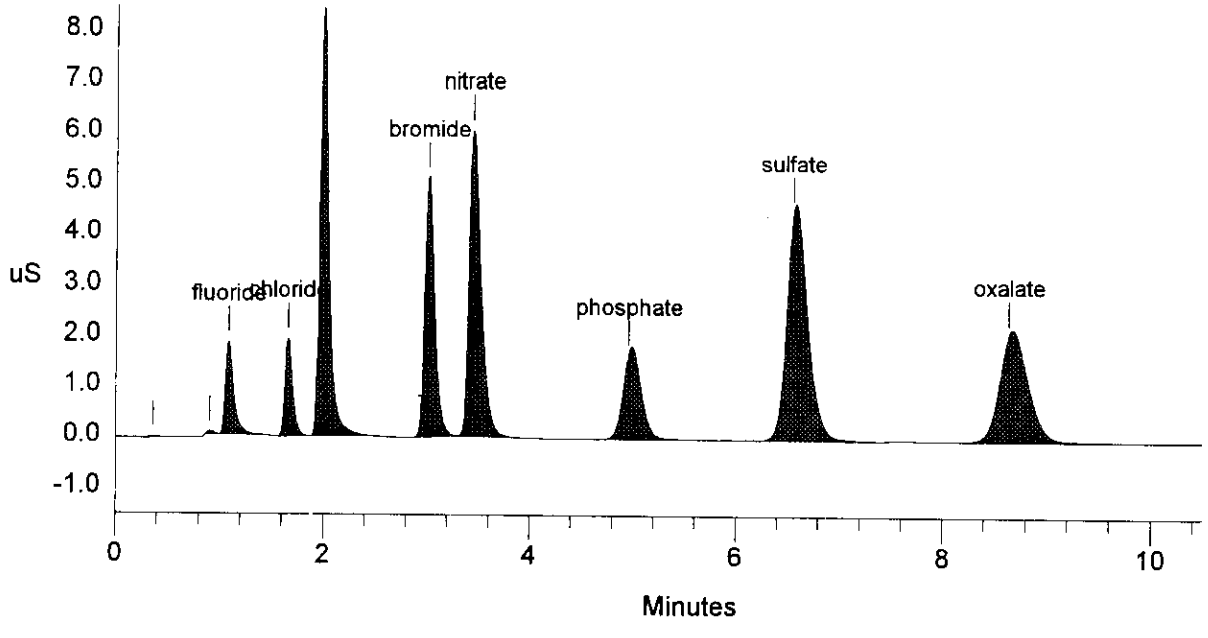
Sample Name: 133N9-F STD Date: 05/02/1996 20:05:14
Data File : C:\DX\DATA\96050211.d03
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	16	110	1	
2	0.91		0.000	68	304	1	
3	1.09	fluoride	56.428	1845	10081	1	1.88
4	1.66	chloride	75.147	1945	10020	1	0.40
5	1.99	nitrite	533.390	8416	49569	1	-0.99
6	3.01	bromide	543.286	5115	33846	1	1.80
7	3.45	nitrate	594.019	6020	48576	1	4.02
8	4.96	phosphate	541.722	1664	22100	1	0.54
9	6.56	sulfate	606.035	4499	64752	1	0.82
10	8.64	oxalate	491.573	2086	41103	1	1.25
		Totals	3441.600	31675	280462		

File: 96050211.d03 Sample: 133N9-F STD



Data Reprocessed On 05/21/1996 11:09:03

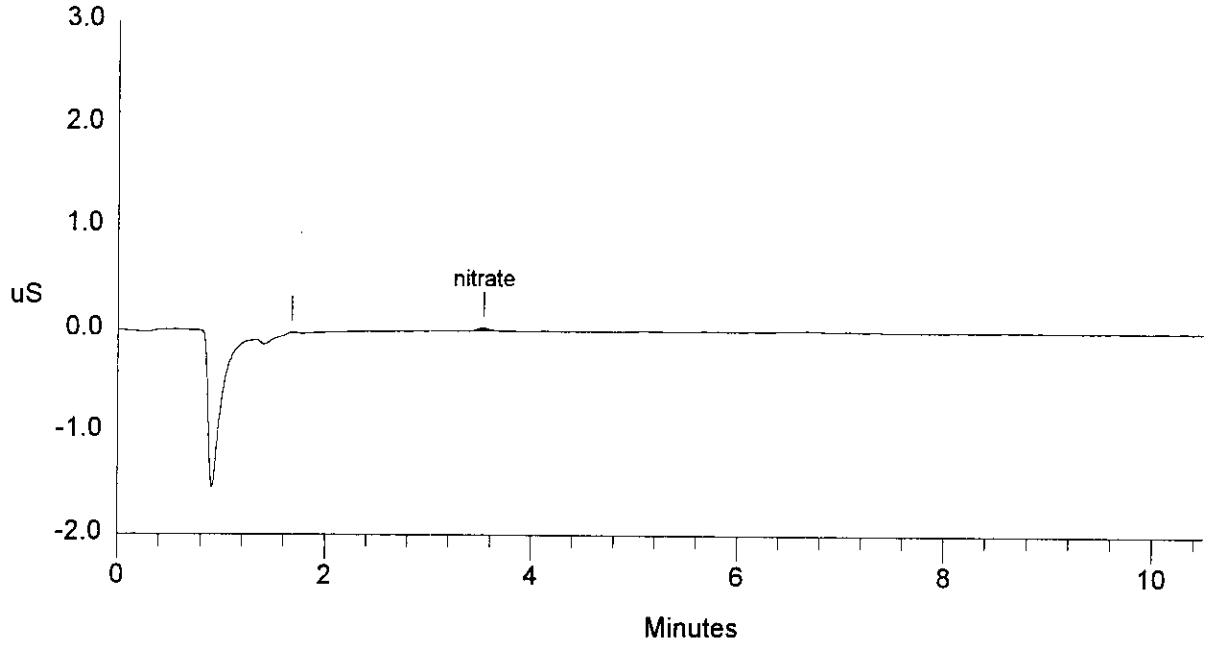
```
Sample Name: BLAQNK PREP                    Date: 05/02/1996 20:18:40
Data File  : C:\DX\DATA\96050211.d04
Method     : C:\DX\METHOD\KIT.MET
ACI Address: 1  System: 1  Inject#: 4                    Detector:CDM-1
Analyst    :                Column: AG4A/AS4A anion column
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.53	nitrate	0.151	27	174	1	6.64
		Totals	0.151	27	174		

File: 96050211.d04 Sample: BLAQNK PREP



Data Reprocessed On 05/21/1996 11:09:06

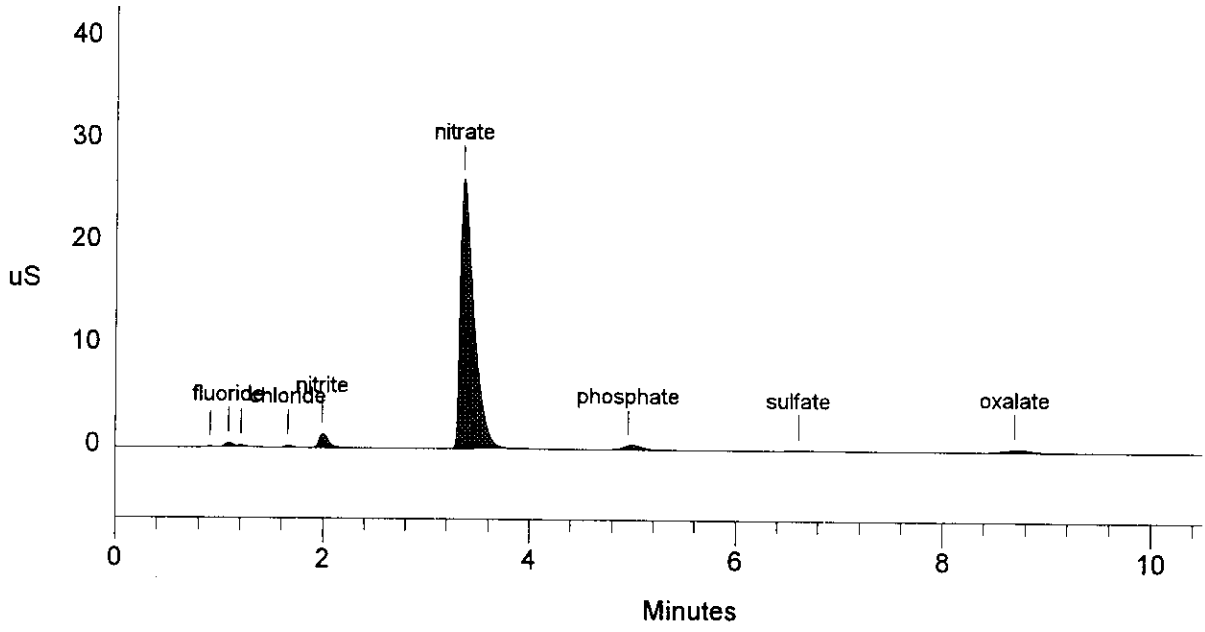
Sample Name: S96T001517 SAM Date: 05/02/1996 20:35:41
Data File : C:\DX\DATA\96050211.d05
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	68	348	2	
2	1.09	fluoride	14.571	441	2338	2	1.88
3	1.21		0.000	208	1157	2	
4	1.66	chloride	8.267	220	1088	1	0.40
5	1.99	nitrite	100.704	1371	8533	1	-0.99
6	3.35	nitrate	2726.467	26109	240666	1	1.21
7	4.96	phosphate	152.023	431	6033	1	0.54
8	6.61	sulfate	18.432	95	1295	1	1.64
9	8.69	oxalate	77.766	303	6081	1	1.88
		Totals	3098.231	29247	267540		

File: 96050211.d05 Sample: S96T001517 SAM



Data Reprocessed On 05/21/1996 11:09:09

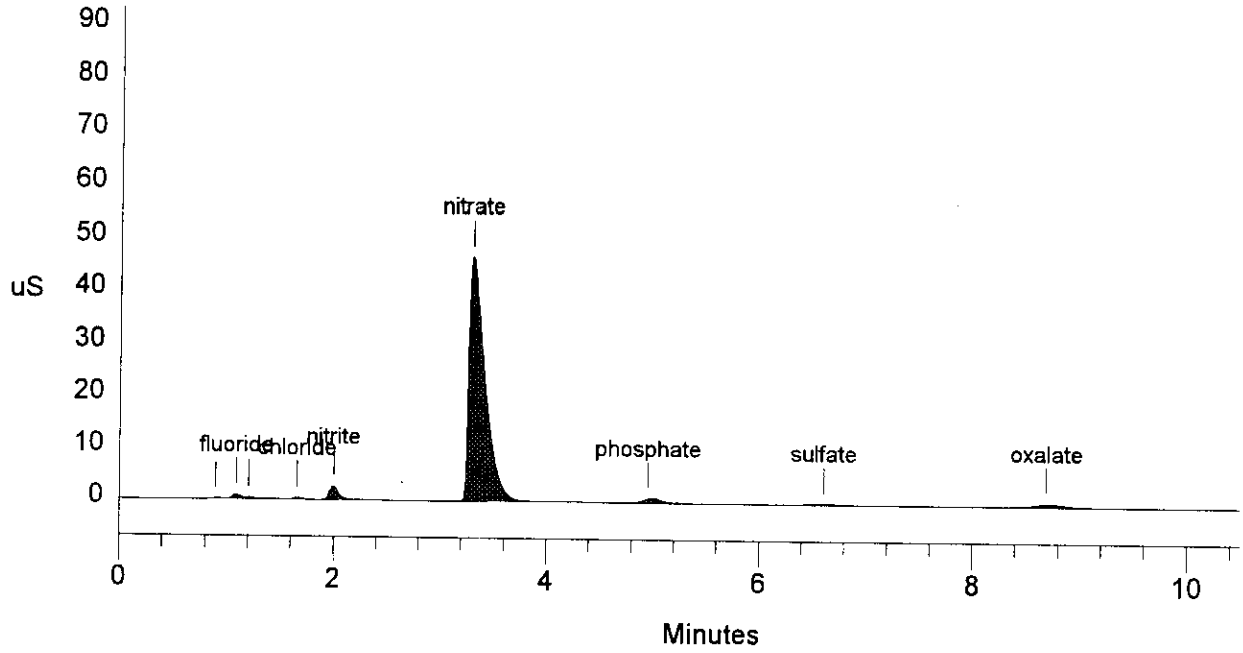
Sample Name: S96T001517 SAM Date: 05/02/1996 20:49:14
Data File : C:\DX\DATA\96050211.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	133	704	2	
2	1.09	fluoride	13.436	869	4543	2	2.50
3	1.21		0.000	388	2303	2	
4	1.66	chloride	8.192	408	2139	1	0.40
5	2.00	nitrite	90.722	2638	15966	1	-0.66
6	3.30	nitrate	2555.430	46457	485206	1	-0.40
7	4.96	phosphate	141.941	829	11307	1	0.54
8	6.61	sulfate	17.361	177	2988	1	1.64
9	8.69	oxalate	68.416	579	10939	1	1.88
		Totals	2895.498	52478	536095		

File: 96050211.d06 Sample: S96T001517 SAM



Data Reprocessed On 05/21/1996 11:09:12

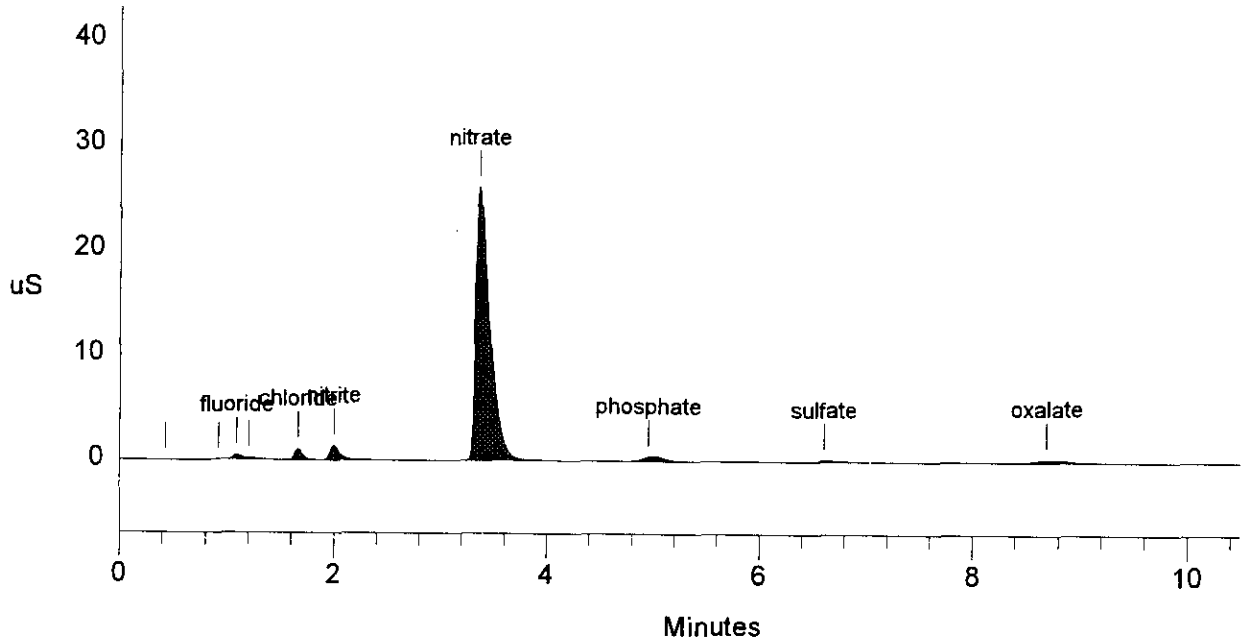
Sample Name: S96T001517 DUP Date: 05/02/1996 21:10:12
Data File : C:\DX\DATA\96050211.d07
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.43		0.000	23	291	1	
2	0.92		0.000	70	378	2	
3	1.09	fluoride	14.970	457	2411	2	2.18
4	1.21		0.000	213	1190	2	
5	1.67	chloride	40.230	1063	5330	1	0.81
6	2.00	nitrite	99.438	1373	8414	1	-0.66
7	3.37	nitrate	2701.018	25901	238225	1	1.61
8	4.96	phosphate	152.797	409	6065	1	0.54
9	6.61	sulfate	24.193	129	1907	1	1.64
10	8.69	oxalate	74.655	293	5820	1	1.88
		Totals	3107.302	29930	270030		

File: 96050211.d07 Sample: S96T001517 DUP



Data Reprocessed On 05/21/1996 11:09:15

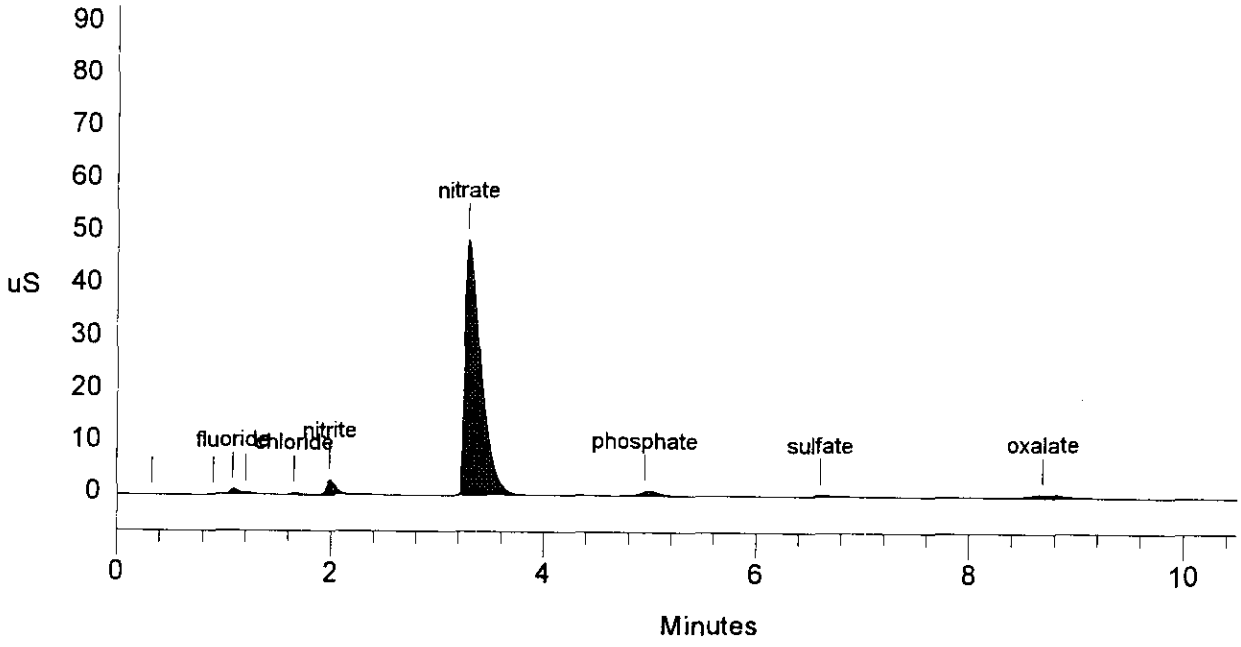
Sample Name: S96T001517 DUP Date: 05/02/1996 21:21:55
Data File : C:\DX\DATA\96050211.d08
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.33		0.000	15	174	1	
2	0.91		0.000	141	753	2	
3	1.09	fluoride	14.519	940	4937	2	1.88
4	1.21		0.000	424	2553	2	
5	1.66	chloride	8.473	420	2213	1	0.40
6	1.99	nitrite	95.482	2773	16855	1	-0.99
7	3.29	nitrate	2663.341	48456	510097	1	-0.60
8	4.96	phosphate	150.877	886	12034	1	0.54
9	6.61	sulfate	16.814	193	2873	1	1.64
10	8.69	oxalate	70.740	598	11326	1	1.88
		Totals	3020.247	54846	563816		

File: 96050211.d08 Sample: S96T001517 DUP



Data Reprocessed On 05/21/1996 11:09:18

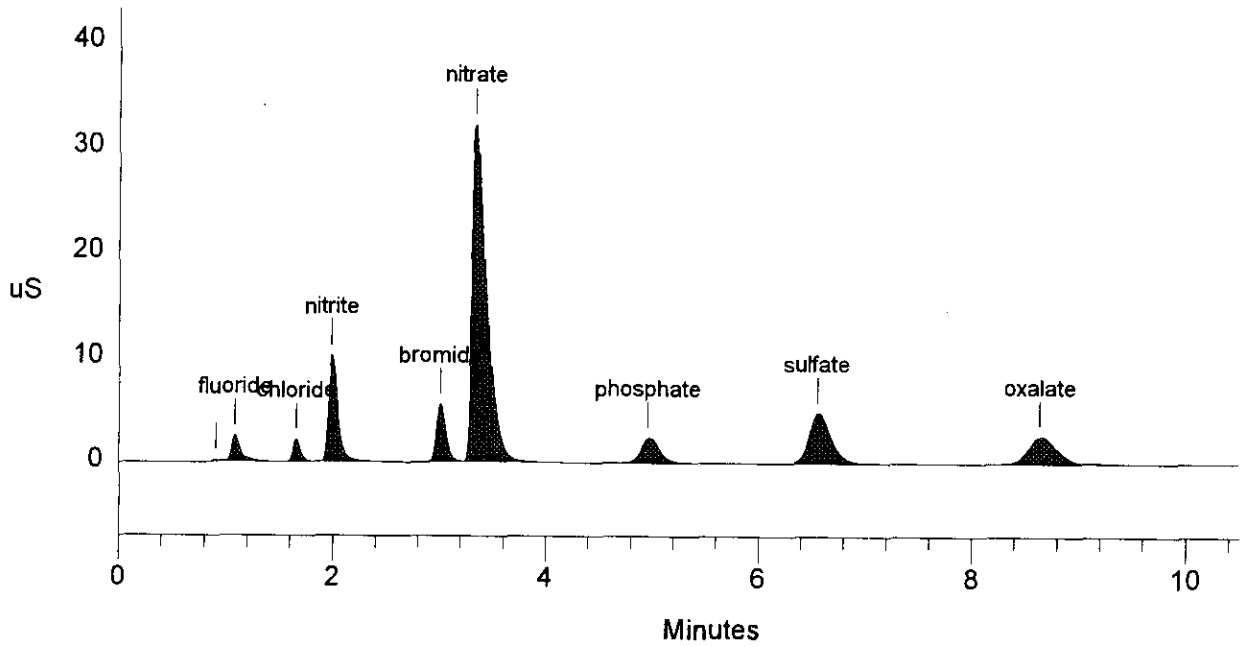
Sample Name: S96T001517 SPIKE	Date: 05/02/1996 22:23:16
Data File : C:\DX\DATA\96050211.d13	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 13	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	138	696	2	
2	1.08	fluoride	81.750	2468	14874	2	1.25
3	1.65	chloride	81.419	2165	10869	1	0.00
4	1.99	nitrite	658.882	10132	61615	1	-1.32
5	3.01	bromide	545.296	5511	33976	1	1.58
6	3.33	nitrate	3392.218	31992	306038	1	0.60
7	4.96	phosphate	707.261	2350	29059	1	0.54
8	6.56	sulfate	630.267	4773	67419	1	0.82
9	8.64	oxalate	586.379	2569	49193	1	1.25
		Totals	6683.472	62098	573738		

File: 96050211.d13 Sample: S96T001517 SPIKE



Data Reprocessed On 05/21/1996 11:09:21

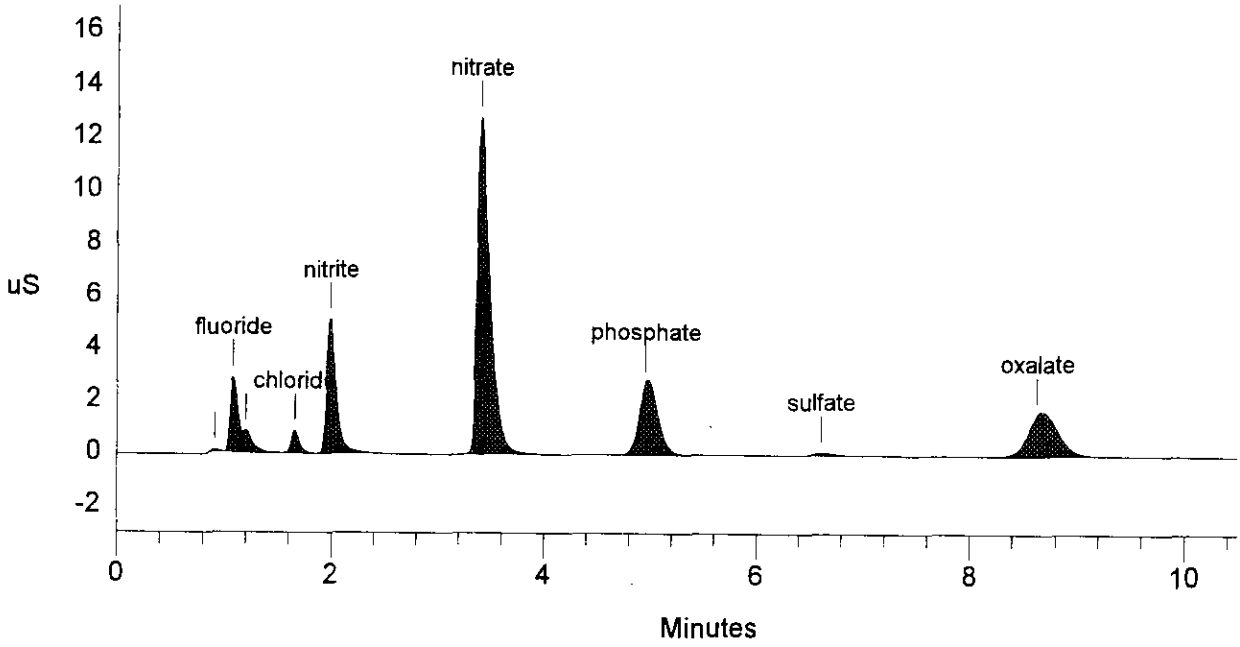
Sample Name: S96T001518 SAM Date: 05/02/1996 21:45:52
Data File : C:\DX\DATA\96050211.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	98	506	2	
2	1.09	fluoride	32.220	2884	14420	2	1.88
3	1.20		0.000	863	5088	2	
4	1.66	chloride	13.447	864	4383	1	0.40
5	1.99	nitrite	138.397	5099	31222	1	-0.99
6	3.41	nitrate	514.385	12736	106712	1	2.82
7	4.96	phosphate	335.306	2771	34102	1	0.54
8	6.61	sulfate	8.432	106	1543	1	1.64
9	8.64	oxalate	157.922	1606	32380	1	1.25
		Totals	1200.109	27028	230357		

File: 96050211.d10 Sample: S96T001518 SAM



Data Reprocessed On 05/21/1996 11:09:24

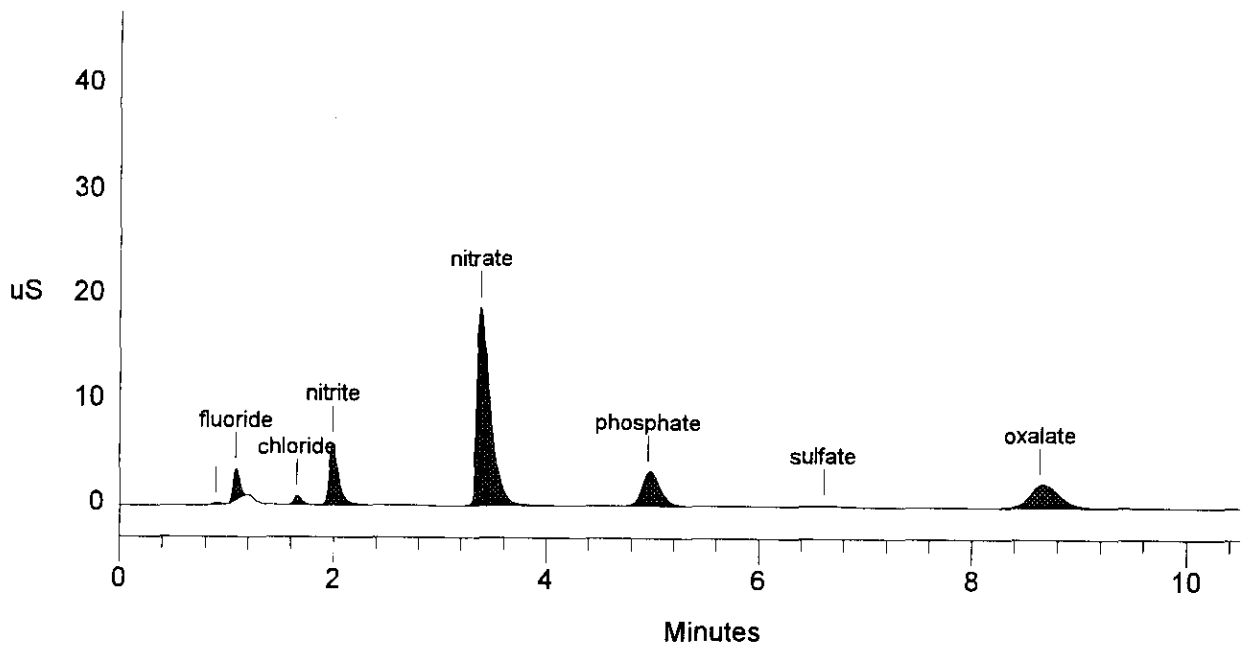
Sample Name: S96T001518 DUP Date: 05/02/1996 21:59:07
Data File : C:\DX\DATA\96050211.d11
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	128	646	1	
2	1.09	fluoride	27.949	2977	12422	1	1.88
3	1.66	chloride	13.398	873	4367	1	0.40
4	1.99	nitrite	157.486	5973	35691	1	-0.99
5	3.38	nitrate	776.856	18810	164622	1	2.01
6	4.96	phosphate	383.926	3269	39234	1	0.54
7	6.61	sulfate	10.213	126	2009	1	1.64
8	8.64	oxalate	201.960	2156	41609	1	1.25
		Totals	1571.788	34312	300598		

File: 96050211.d11 Sample: S96T001518 DUP



04/30/96 12:21
A-0004-1

LABCORE Data Entry Template for Worklist# 8167

Analyst: JLF **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: Rerun U-105 for Br. Use DF of 41 to get low enough det.lim.

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T000986	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T000986	0	W	@IC-01	SOLID		
6	SPK	S96T000986	0	W	@IC-01	SOLID		
7	SAMPLE	S96T000993	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested: BR-02						
8	DUP	S96T000993	0	W	@IC-01	SOLID		

Final page for worklist # 8167

Jessi Lynsky 5/3/96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8167may.CSV
On shell 5/21/96 JMF
Uploaded 5/21/96 Hea
Validated by Hea 5-21-96

Data Entry Comments: 96050311.D23 → D32

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8167

Analyst: jlf **Instrument:** IC01 **Book#** 133N9F

Method: LA533105 Rev/Mod D-1

Worklist Comment: Rerun U-105 for Br. Use DF of 41 to get low enough det.lim.

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.62e-01	0.162	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.56e+01	94.237	Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.12e+01	90.127	Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.31e+02	98.883	Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.48e+02	95.304	Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.77e+02	93.974	Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.34e+02	97.802	Recovery
2	CCV			0	@IC-QC	SO4	QC	6.21e02	6.05e+02	95.880	Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.99e+02	98.035	Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK PREP			0	@IC-01	CL-02	SOLID	1	5.40e-01	0.540	ug/g
3	BLNK PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	1.68e-01	0.168	ug/g
3	BLNK PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T000986		0	W @IC-01	BR-02	SOLID	N/A <	1.241e+03	1241.000	ug/g
5	DUP	S96T000986		0	W @IC-01	BR-02	SOLID	<1.24e3	<1.28e3		RPD
6	SPK	S96T000986		0	W @IC-01	BR-02	SOLID	5.75e02	5.31e+02	92.348	Recovery
7	SAMPLE	S96T000993		0	W @IC-01	BR-02	SOLID	N/A <	1.284e+03	1284.000	ug/g
8	DUP	S96T000993		0	W @IC-01	BR-02	SOLID	<1.28e3	<1.28e3		RPD

Comments Section:

Comments for sample# S96T000986 and test @IC-01 .
No Br detected

Comments for sample# S96T000993 and test @IC-01 .
No Br detected

Units shown for QC (BLK/BKG) may not reflect the actual units.

LAI CORE Completed Worklist Report for Worklist# 8167

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit

Final page for worklist# 8167

Analyst Signature Date

Analyst Signature Date

H Anastas 5.21.96
Reviewer Signature Date

Validated 5.21.96 HA

Units shown for QC (BLK/BKG) may not reflect the actual units.

Data Reprocessed On 05/21/1996 11:13:40

Sample Name: BLANK Date: 05/03/1996 01:55:24
Data File : C:\DX\DATA\96050311.d23
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 23 Detector:CDM-1
Analyst : Jan Luzy Column: AG4A/AS4A anion column

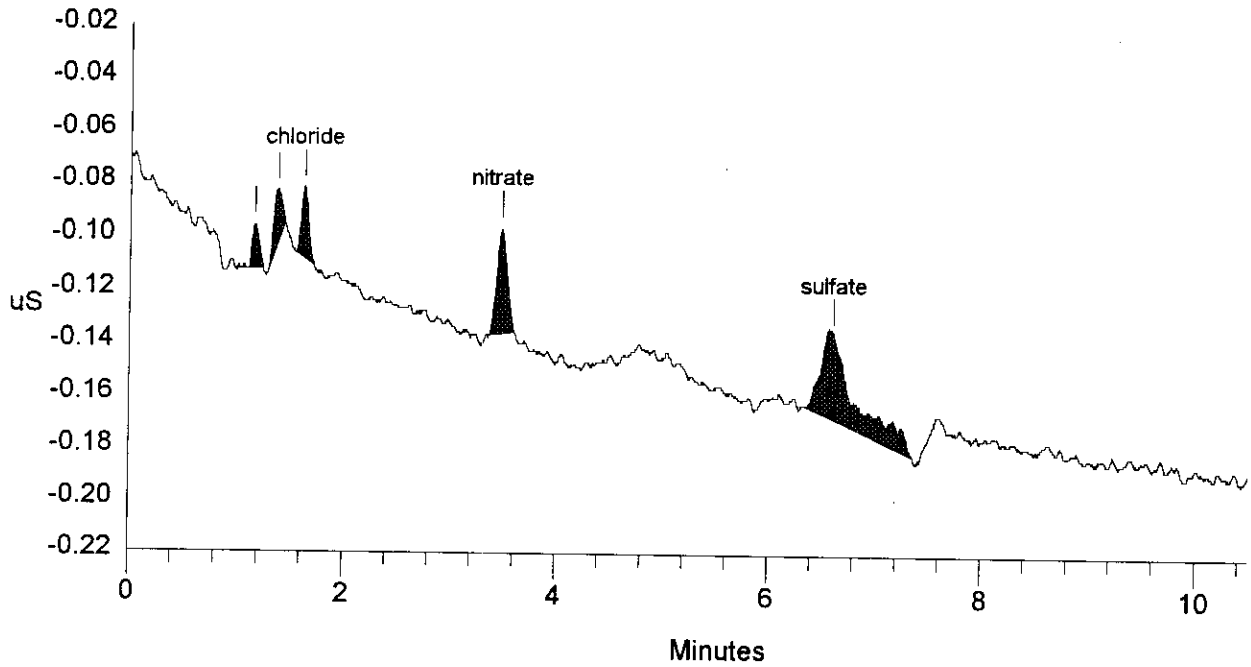
for JLS 7/15/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.38		0.000	20	109	1	
3	1.63	chloride	0.009	26	122	1	-1.61
4	3.49	nitrate	0.162	40	268	1	5.23
5	6.61	sulfate	0.131	32	744	1	1.64
		Totals	0.302	118	1242		

File: 96050311.d23 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 625 TO 634.

Data Reprocessed On 05/21/1996 11:13:43

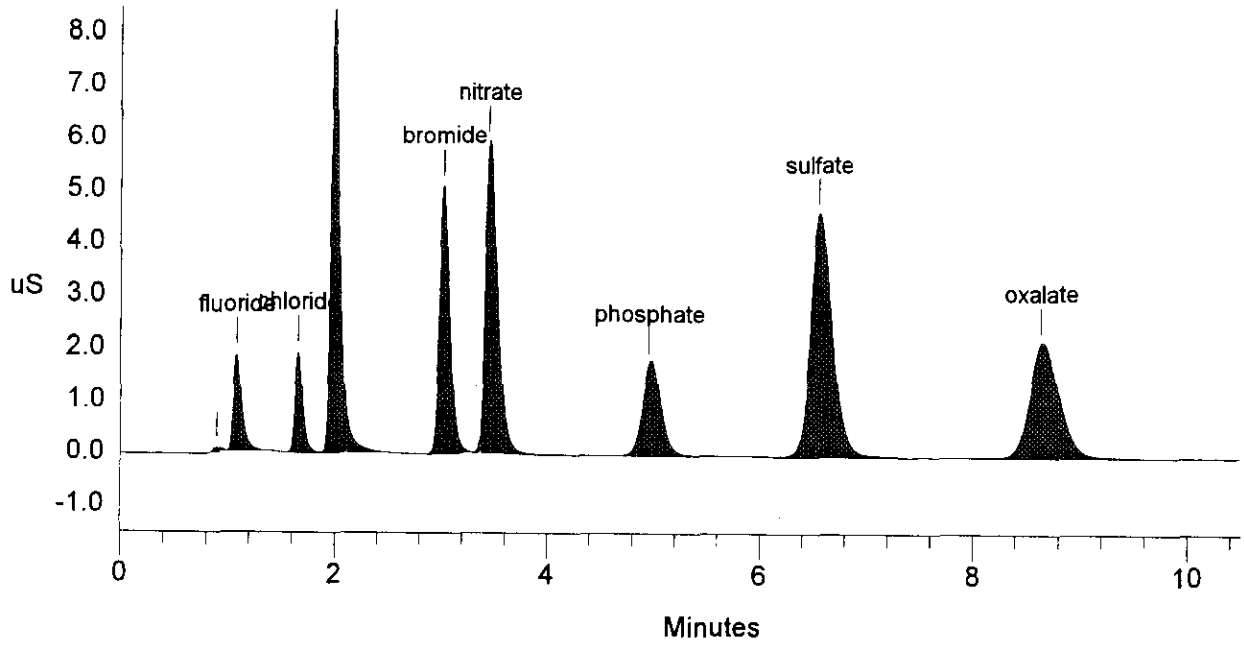
Sample Name: 133N9-F STD	Date: 05/03/1996 02:07:56
Data File : C:\DX\DATA\96050311.d24	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 24	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	77	375	2	
2	1.09	fluoride	55.595	1848	9925	2	1.88
3	1.66	chloride	71.182	1920	9484	1	0.40
4	1.99	nitrite	530.739	8386	49315	1	-0.99
5	3.02	bromide	548.491	5100	34182	1	2.03
6	3.45	nitrate	577.032	5924	47136	1	4.23
7	4.96	phosphate	533.885	1745	21773	1	0.54
8	6.56	sulfate	604.827	4600	64620	1	0.82
9	8.64	oxalate	498.584	2164	41700	1	1.25
		Totals	3420.337	31764	278510		

File: 96050311.d24 Sample: 133N9-F STD



Data Reprocessed On 05/21/1996 11:13:47

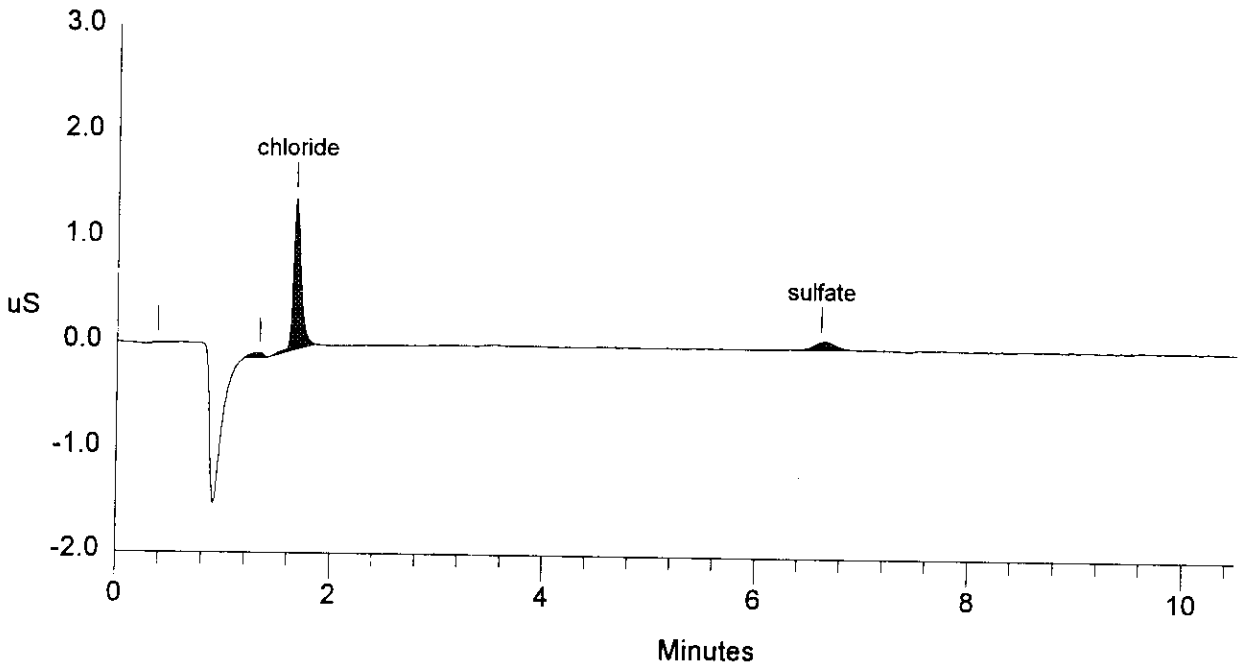
Sample Name: BLANK PREP Date: 05/03/1996 02:20:42
Data File : C:\DX\DATA\96050311.d25
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 25 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.38		0.000	17	146	1	
2	1.33		0.000	43	345	1	
3	1.67	chloride	0.540	1438	7245	1	0.81
4	6.61	sulfate	0.168	75	1142	1	1.64
		Totals	0.708	1573	8879		

File: 96050311.d25 Sample: BLANK PREP



Data Reprocessed On 05/21/1996 11:13:49

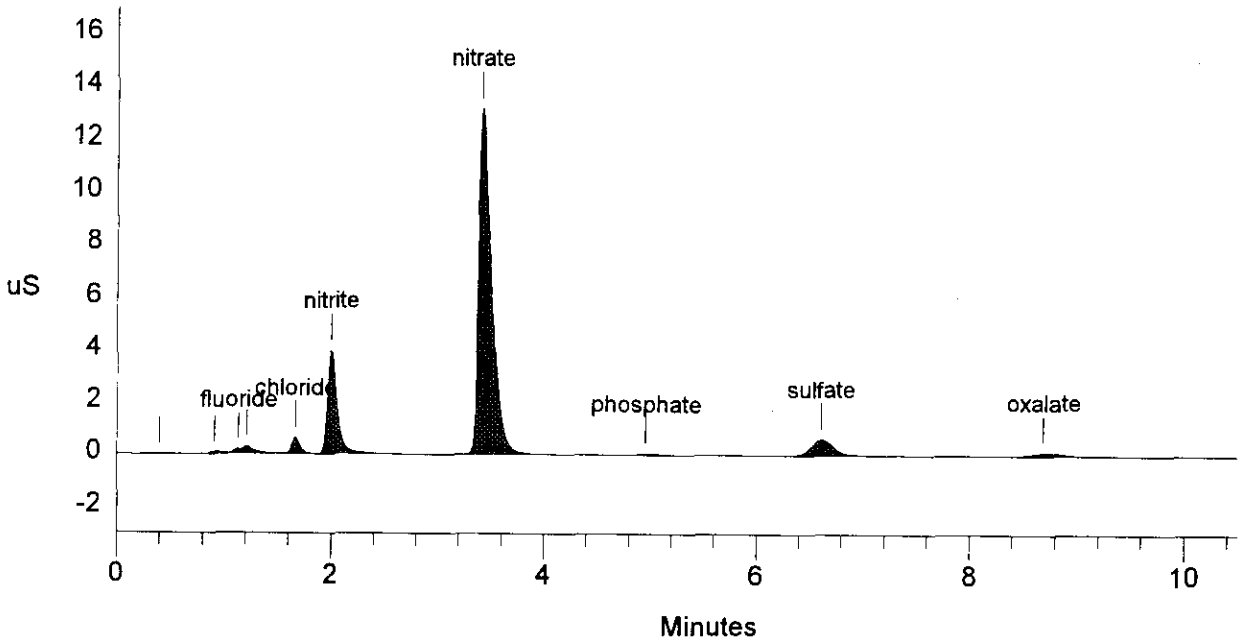
Sample Name: S96T000986 SAM Date: 05/03/1996 02:32:35
Data File : C:\DX\DATA\96050311.d26
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 26 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.40		0.000	21	320	1	
2	0.91		0.000	77	450	2	
3	1.13	fluoride	5.687	173	722	2	6.25
4	1.21		0.000	280	1868	2	
5	1.67	chloride	24.068	626	3179	1	0.81
6	2.00	nitrite	265.275	3942	24052	1	-0.66
7	3.42	nitrate	1309.769	13109	110464	1	3.22
8	4.96	phosphate	20.876	44	721	1	0.54
9	6.61	sulfate	88.350	606	8729	1	1.64
10	8.69	oxalate	38.060	140	2746	1	1.88
		Totals	1752.084	19019	153251		

File: 96050311.d26 Sample: S96T000986 SAM



Data Reprocessed On 05/21/1996 11:13:52

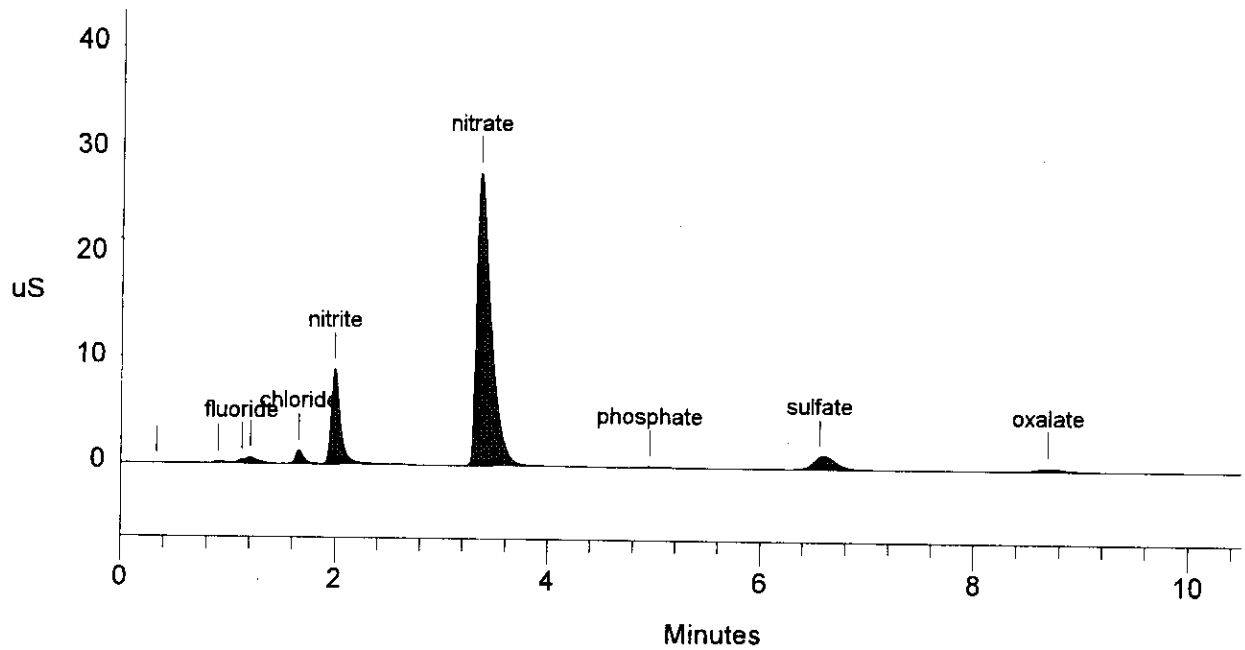
Sample Name: S96T000986 SAM Date: 05/03/1996 02:44:11
Data File : C:\DX\DATA\96050311.d27
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 27 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.33		0.000	16	129	1	
2	0.91		0.000	165	1000	2	
3	1.13	fluoride	4.684	370	1374	2	5.63
4	1.21		0.000	611	4249	2	
5	1.66	chloride	25.310	1311	6653	1	0.40
6	1.99	nitrite	289.549	9022	53404	1	-0.99
7	3.35	nitrate	1486.816	27835	261746	1	1.21
8	4.96	phosphate	18.555	101	1361	1	0.54
9	6.56	sulfate	96.124	1212	19631	1	0.82
10	8.69	oxalate	39.953	320	6196	1	1.88
		Totals	1960.991	40962	355743		

File: 96050311.d27 Sample: S96T000986 SAM



Data Reprocessed On 05/21/1996 11:13:55

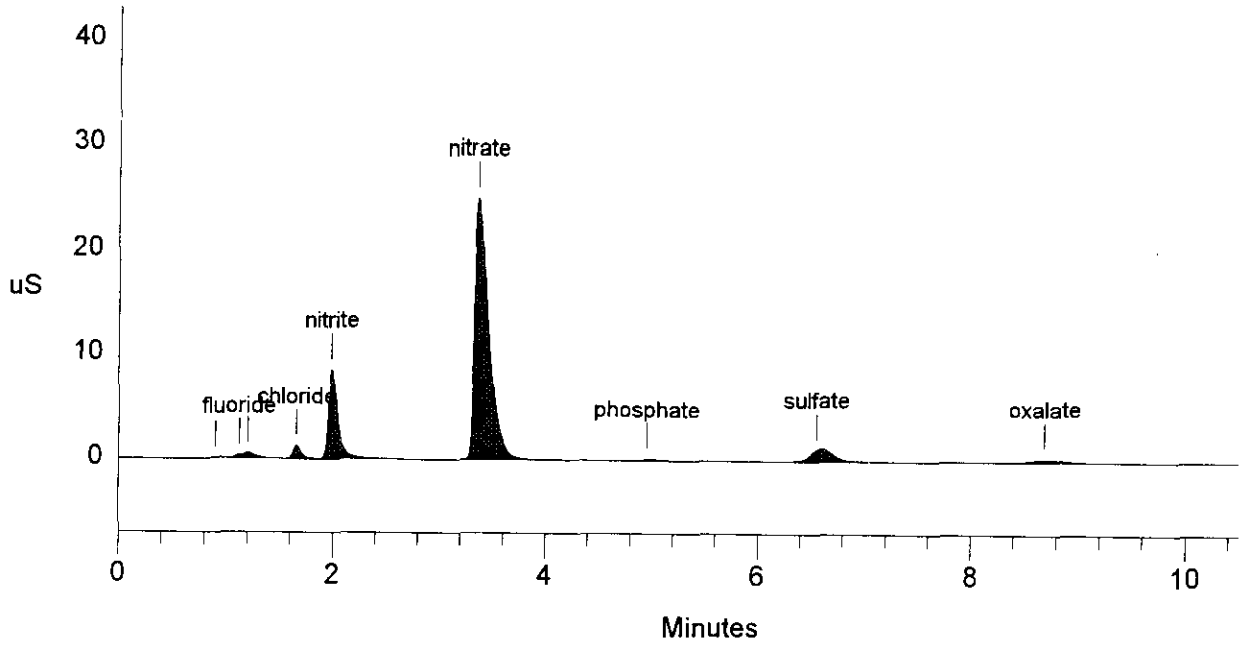
Sample Name: S96T000986 DUP Date: 05/03/1996 03:00:25
Data File : C:\DX\DATA\96050311.d28
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 28 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	154	930	2	
2	1.13	fluoride	4.646	356	1360	2	5.63
3	1.21		0.000	576	4044	2	
4	1.66	chloride	24.641	1282	6476	1	0.40
5	1.99	nitrite	275.845	8510	50803	1	-0.99
6	3.37	nitrate	1318.792	24933	229692	1	1.61
7	4.96	phosphate	20.713	114	1534	1	0.54
8	6.56	sulfate	88.351	1107	17982	1	0.82
9	8.69	oxalate	38.309	309	5922	1	1.88
		Totals	1771.296	37341	318743		

File: 96050311.d28 Sample: S96T000986 DUP



Data Reprocessed On 05/21/1996 11:13:58

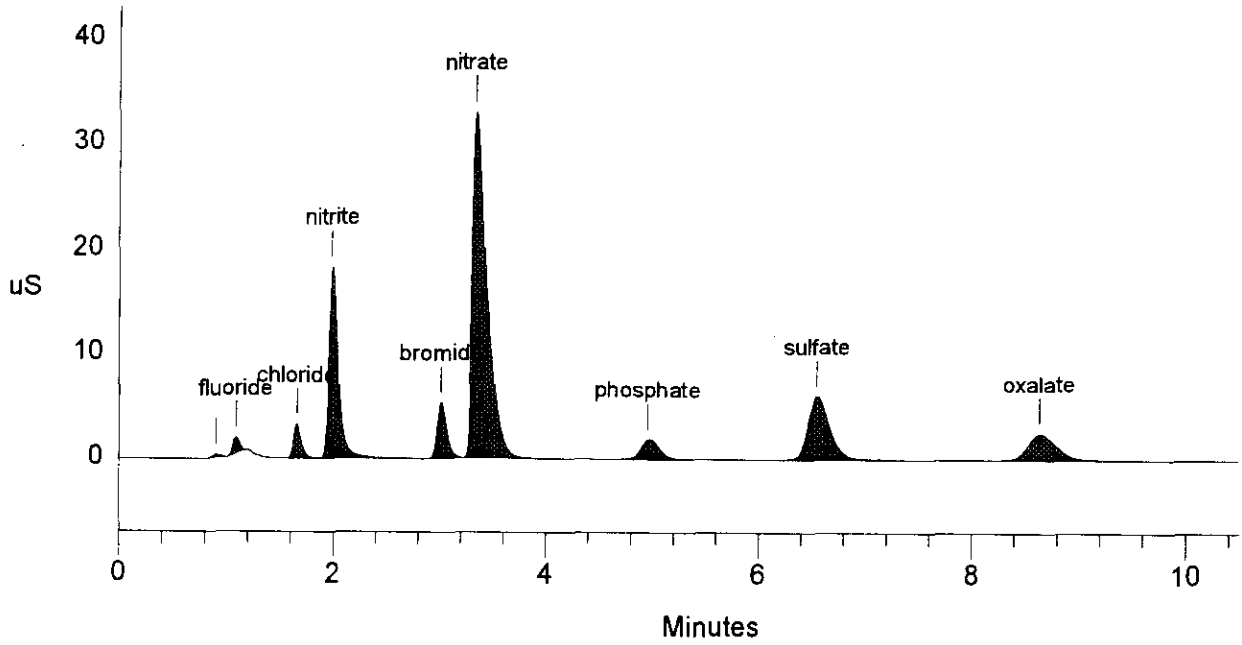
Sample Name: S96T000986 SPIKE Date: 05/03/1996 03:11:53
Data File : C:\DX\DATA\96050311.d29
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 29 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	228	1169	1	
2	1.09	fluoride	20.017	1554	6950	1	2.50
3	1.66	chloride	61.666	3269	16424	1	0.40
4	1.99	nitrite	588.754	18262	110981	1	-0.99
5	3.01	bromide	265.443	5305	32710	1	1.80
6	3.34	nitrate	1763.630	32825	316170	1	0.80
7	4.96	phosphate	283.890	1853	22957	1	0.54
8	6.56	sulfate	395.202	5993	84279	1	0.82
9	8.64	oxalate	284.194	2502	47180	1	1.25
		Totals	3662.796	71791	638821		

File: 96050311.d29 Sample: S96T000986 SPIKE



Data Reprocessed on 05/21/1996 11:14:01

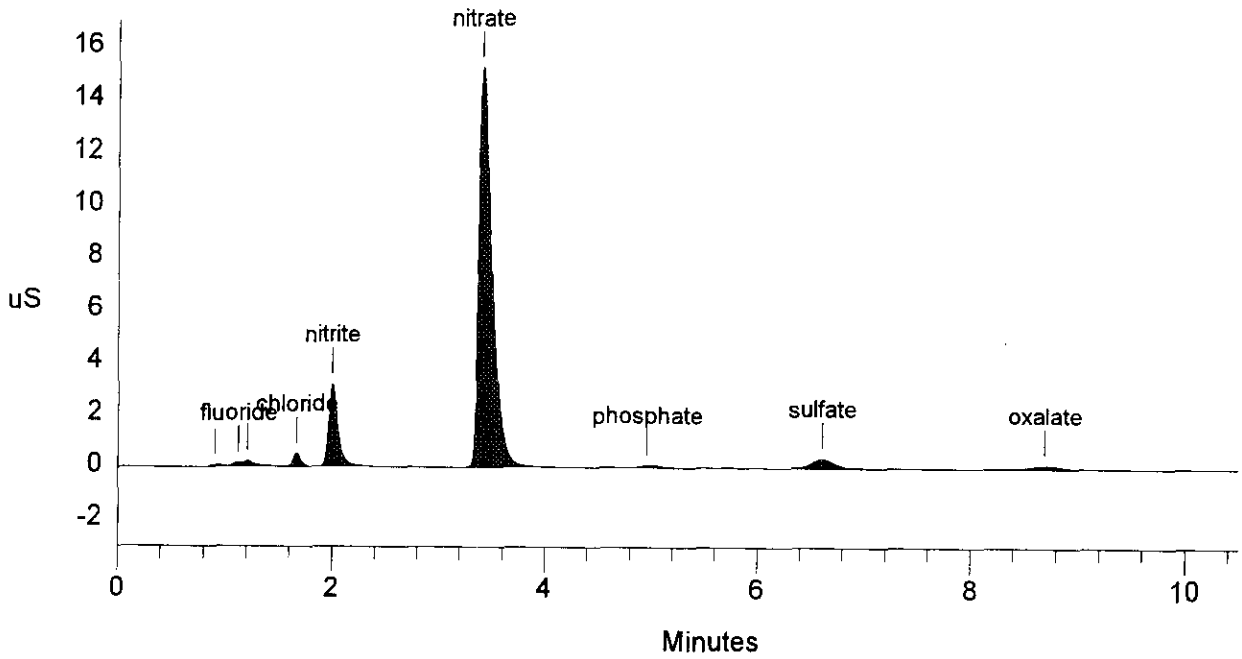
Sample Name: S96T000993 SAM Date: 05/03/1996 03:23:48
Data File : C:\DX\DATA\96050311.d30
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 30 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	70	407	1	
2	1.12	fluoride	5.044	141	605	2	5.00
3	1.21		0.000	202	1208	2	
4	1.67	chloride	19.217	509	2536	1	0.81
5	2.00	nitrite	207.130	3138	18557	1	-0.66
6	3.41	nitrate	1559.942	15181	132671	1	2.82
7	4.96	phosphate	34.447	93	1268	1	0.54
8	6.61	sulfate	53.217	358	4990	1	1.64
9	8.69	oxalate	34.819	125	2473	1	1.88
		Totals	1913.816	19819	164716		

File: 96050311.d30 Sample: S96T000993 SAM



Data Reprocessed On 05/21/1996 11:14:04

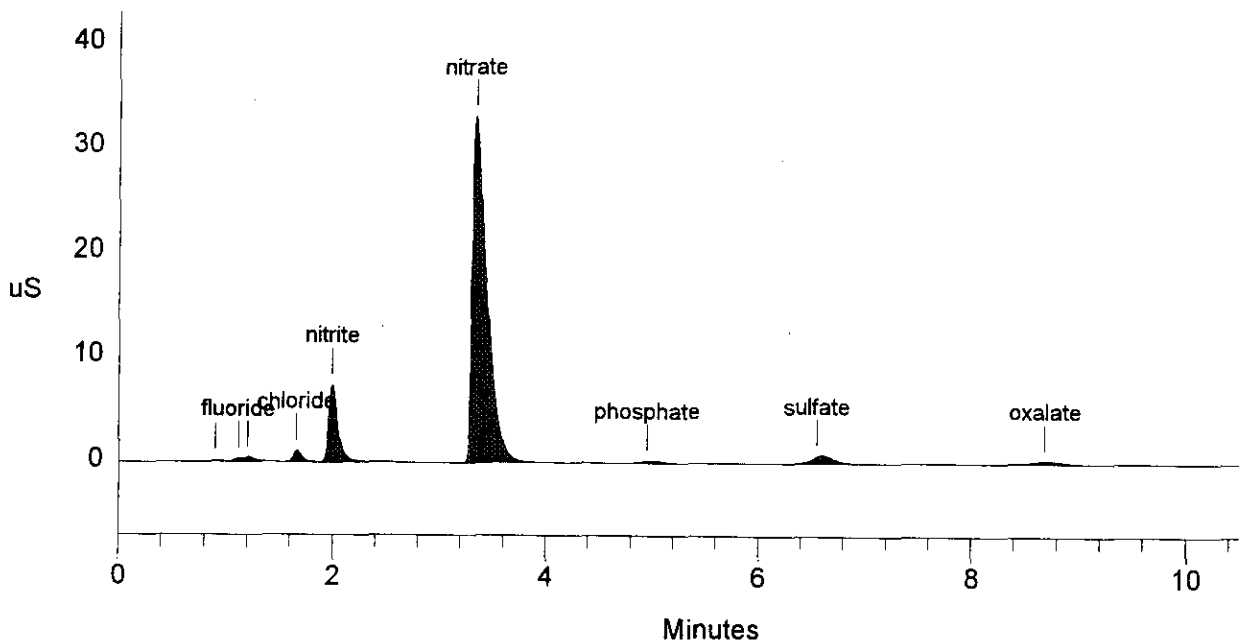
Sample Name: S96T000993 SAM Date: 05/03/1996 03:35:25
Data File : C:\DX\DATA\96050311.d31
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 31 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	156	895	2	
2	1.12	fluoride	5.197	342	1559	2	5.00
3	1.21		0.000	479	3321	2	
4	1.66	chloride	21.780	1113	5718	1	0.40
5	1.99	nitrite	246.280	7354	45203	1	-0.99
6	3.34	nitrate	1774.662	32900	318384	1	0.80
7	4.96	phosphate	37.915	207	2911	1	0.54
8	6.56	sulfate	57.718	670	11497	1	0.82
9	8.69	oxalate	34.961	282	5365	1	1.88
		Totals	2178.513	43503	394851		

File: 96050311.d31 Sample: S96T000993 SAM



Data Reprocessed On 05/21/1996 11:14:07

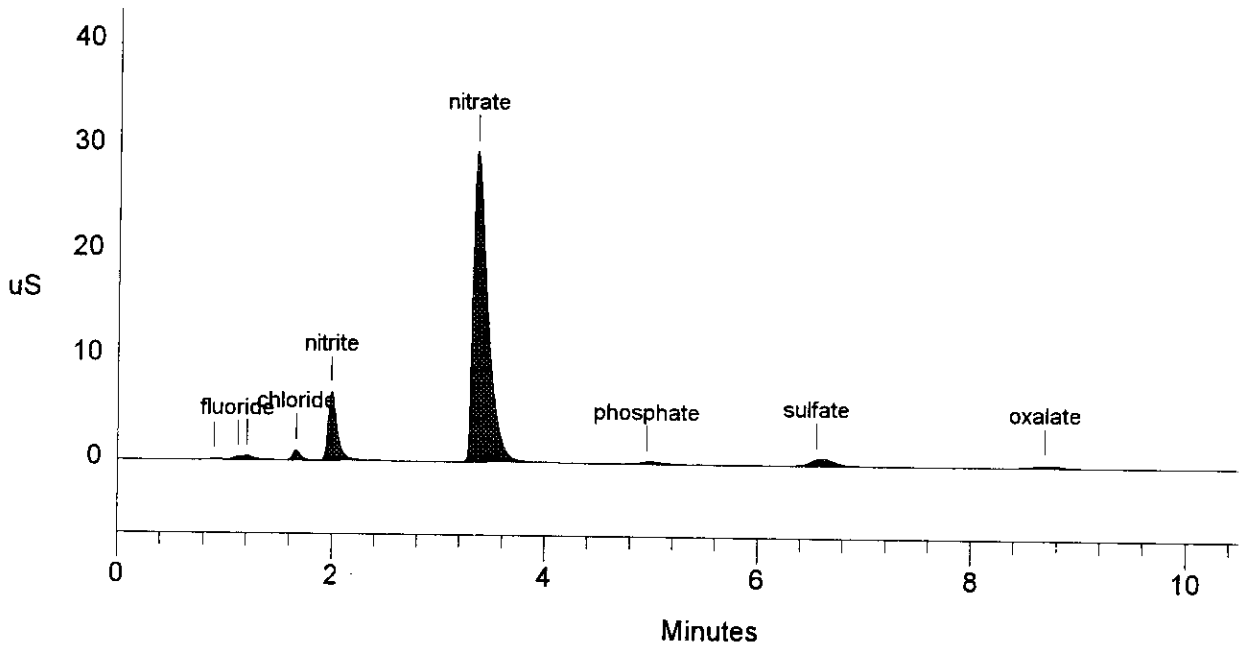
Sample Name: S96T000993 DUP Date: 05/03/1996 03:46:54
Data File : C:\DX\DATA\96050311.d32
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 32 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	141	845	2	
2	1.12	fluoride	4.838	320	1429	2	5.00
3	1.21		0.000	446	3214	2	
4	1.67	chloride	18.958	999	4972	1	0.81
5	1.99	nitrite	214.230	6543	39147	1	-0.99
6	3.35	nitrate	1600.284	29538	283803	1	1.21
7	4.96	phosphate	34.419	194	2631	1	0.54
8	6.56	sulfate	52.073	590	10304	1	0.82
9	8.69	oxalate	30.817	252	4675	1	1.88
		Totals	1955.620	39022	351021		

File: 96050311.d32 Sample: S96T000993 DUP



LABCORE Data Entry Template for Worklist# 8168

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 133N9-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: Rerun U-105 IC. Use df 41 to get lower detection limit on Br

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001014	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested:			BR-02			
5	DUP	S96T001014	0	W	@IC-01	SOLID		
6	SPK	S96T001014	0	W	@IC-01	SOLID		

Final page for worklist # 8168

A. Lambel 05-02-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8168 may.csv

Installed 5/13/96 GMF

Uploaded 5/13/96 Gwen M. Fuge
not printed yet

Data Entry Comments: 96050201.D01 → D05, D11

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8168

Analyst: eal **Instrument:** IC01 **Book#** 133N9E

Method: LA533105 Rev/Mod D-1

Worklist Comment: Rerun U-105 IC. Use df 41 to get lower detection limit on Br

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.70e-01	0.170	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.93e+01	100.508	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.43e+01	94.051	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02	5.72e+02	99.306	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.55e+02	96.522	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.06e+02	98.697	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.51e+02	100.916	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.15e+02	97.464	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02	5.36e+02	99.814	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	2.90e-02	0.029	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.64e-01	0.164	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001014	W	0	@IC-01	BR-02	SOLID	N/A <	9.584e+02	958.600	ug/g
5	DUP	S96T001014	W	0	@IC-01	BR-02	SOLID	<9.58e2	<9.54e2		RPD
6	SPK	S96T001014	W	0	@IC-01	BR-02	SOLID	5.75e02	5.56e+02	96.696	% Recovery

Comments Section:

Comments for sample# S96T001014 **and test** @IC-01 .
Br < too high

Final page for worklist# 8168

Analyst Signature **Date**

Analyst Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8168

Seq Type	Sample# R A	Test	Matrix	Actual	Found	DL or Yield	Unit

J Unastor 5-21-96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 13-May-96

Worklist#: 8168

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001014
=>	5	DUP	S96T001014
=>	6	SPK	S96T001014

Data File: 8168MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96050201.d01	INSTR. BLANK	1.00
2	96050201.d02	133N9-E STD.	101.00
3	96050201.d03	PREP. BLANK	1.00
4	96050201.d04	S96T001014 SAM.	41.00
5	96050201.d05	S96T001014 DUP.	41.00
6	96050201.d11	S96T001014 SPIKE	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

WHC-SD-WM-DP-182, REV.1

Data Reprocessed On 05/13/1996 08:41:36

Sample Name: INSTR. BLANK Date: 05/02/1996 07:58:43
Data File : C:\DX\DATA\96050201.d01
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

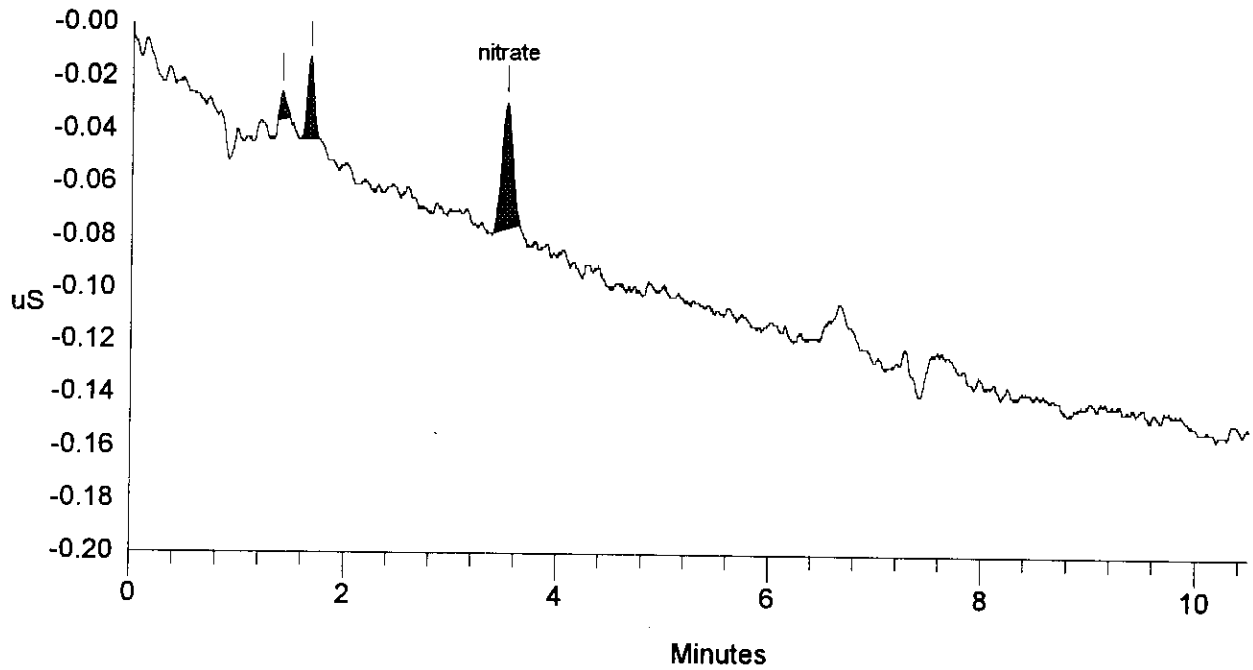
JWarnstn for EA Lambel 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.67	chloride	0.010	31	135	1	0.81
3	3.52	nitrate	0.170	47	335	1	6.24
		Totals	0.180	78	470		

File: 96050201.d01 Sample: INSTR. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 639 TO 644.

Data Reprocessed On 05/13/1996 08:41:39

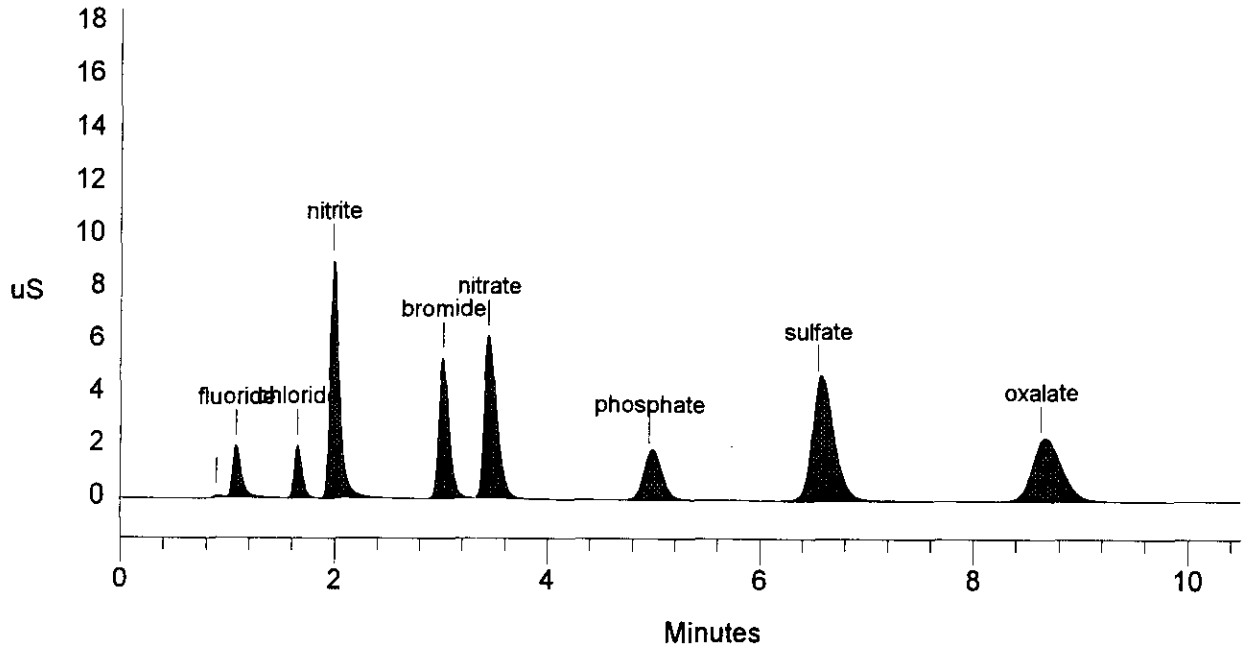
Sample Name: 133N9-E STD. Date: 05/02/1996 08:10:30
Data File : C:\DX\DATA\96050201.d02
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	77	364	2	
2	1.08	fluoride	59.288	1899	10618	2	1.25
3	1.65	chloride	74.292	1960	9904	1	0.00
4	1.99	nitrite	571.635	8957	53233	1	-0.99
5	3.02	bromide	555.169	5289	34613	1	2.03
6	3.45	nitrate	606.342	6137	49622	1	4.02
7	4.96	phosphate	551.082	1708	22492	1	0.54
8	6.56	sulfate	614.831	4469	65720	1	0.82
9	8.64	oxalate	535.645	2207	44861	1	1.25
		Totals	3568.285	32703	291427		

File: 96050201.d02 Sample: 133N9-E STD.



Data Reprocessed On 05/13/1996 08:41:41

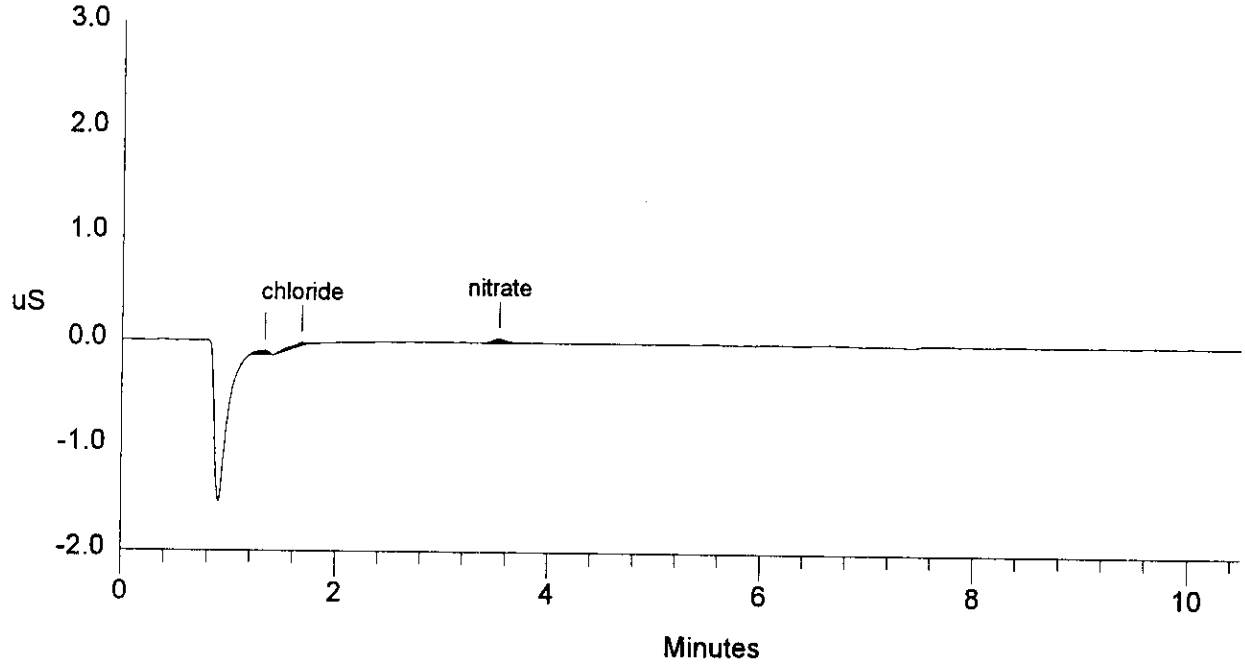
Sample Name: PREP. BLANK	Date: 05/02/1996 08:29:16
Data File : C:\DX\DATA\96050201.d03	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.33		0.000	44	347	1	
2	1.68	chloride	0.029	30	380	1	1.61
3	3.53	nitrate	0.164	38	282	1	6.64
		Totals	0.192	112	1010		

File: 96050201.d03 Sample: PREP. BLANK



Data Reprocessed On 05/13/1996 08:41:43

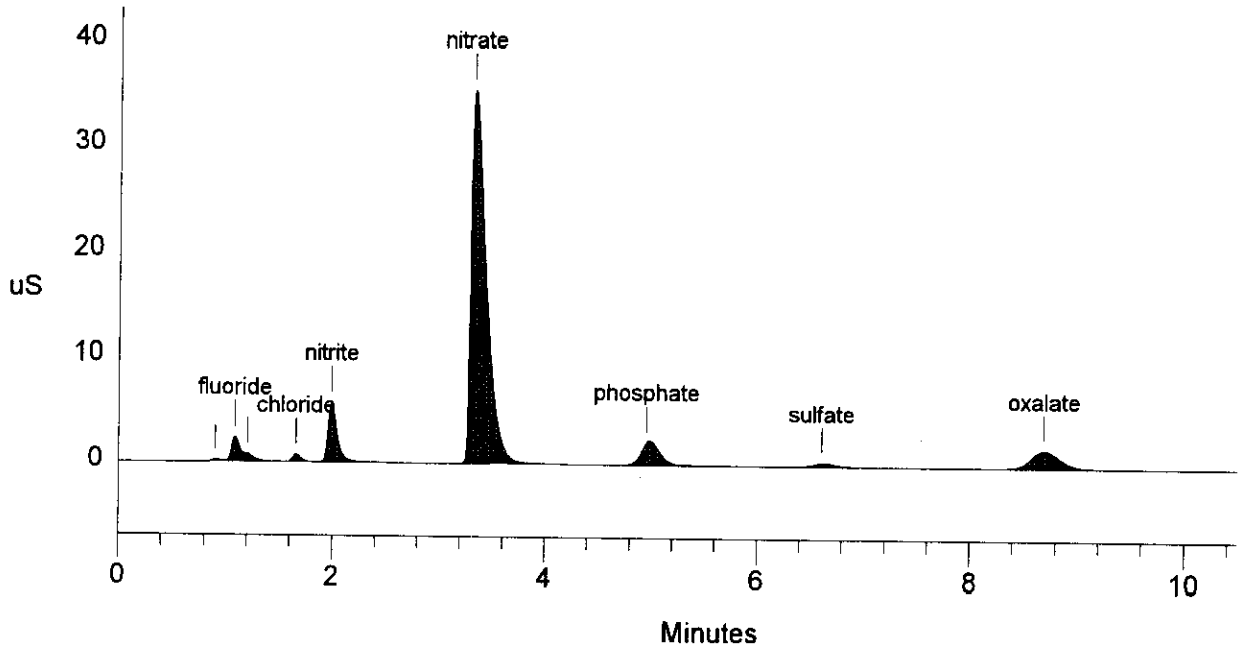
Sample Name: S96T001014 SAM. Date: 05/02/1996 08:43:43
Data File : C:\DX\DATA\96050201.d04
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	152	781	2	
2	1.09	fluoride	28.747	2357	12794	2	1.88
3	1.21		0.000	806	4644	2	
4	1.66	chloride	12.419	773	4046	1	0.40
5	1.99	nitrite	154.416	5656	34972	1	-0.99
6	3.33	nitrate	1543.143	35282	347781	1	0.40
7	4.96	phosphate	277.705	2156	28081	1	0.54
8	6.61	sulfate	21.918	344	5073	1	1.64
9	8.69	oxalate	155.307	1688	31833	1	1.88
		Totals	2193.655	49215	470004		

File: 96050201.d04 Sample: S96T001014 SAM.



Data Reprocessed On 05/13/1996 08:41:45

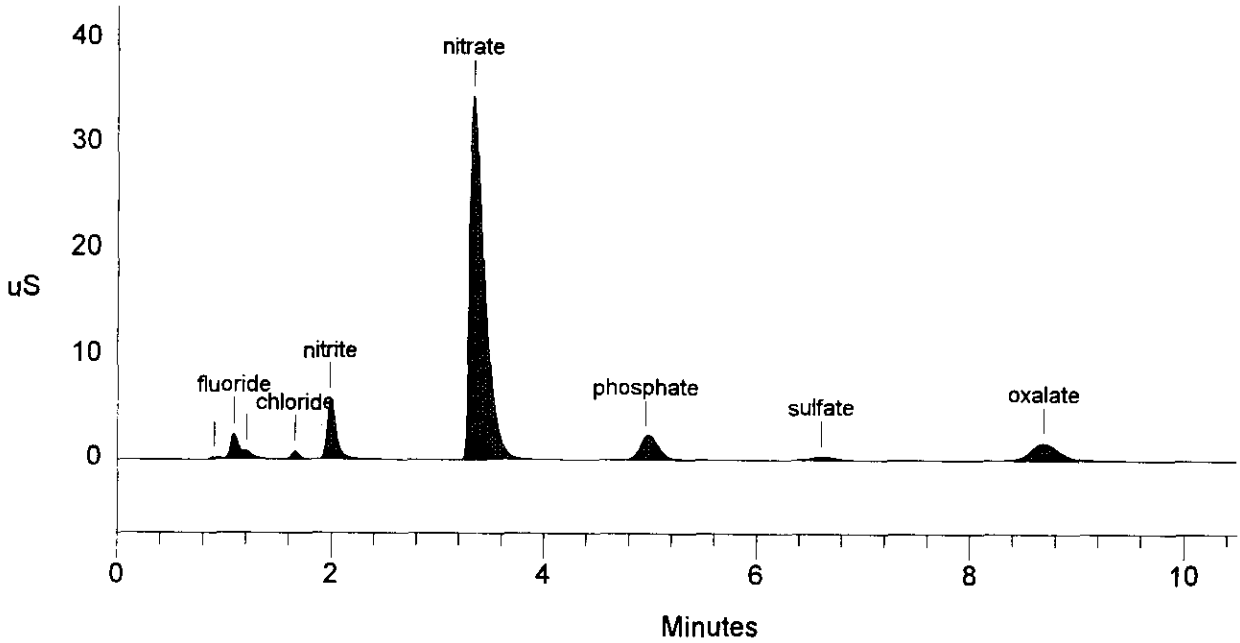
Sample Name: S96T001014 DUP. Date: 05/02/1996 08:55:20
Data File : C:\DX\DATA\96050201.d05
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	158	836	2	
2	1.09	fluoride	28.561	2422	12707	2	1.88
3	1.21		0.000	816	4741	2	
4	1.66	chloride	12.382	778	4034	1	0.40
5	1.99	nitrite	151.952	5743	34395	1	-0.99
6	3.33	nitrate	1485.821	34419	333232	1	0.60
7	4.96	phosphate	282.375	2246	28567	1	0.54
8	6.61	sulfate	23.880	351	5586	1	1.64
9	8.69	oxalate	152.850	1673	31319	1	1.88
		Totals	2137.821	48606	455416		

File: 96050201.d05 Sample: S96T001014 DUP.



Data Reprocessed On 05/13/1996 08:41:47

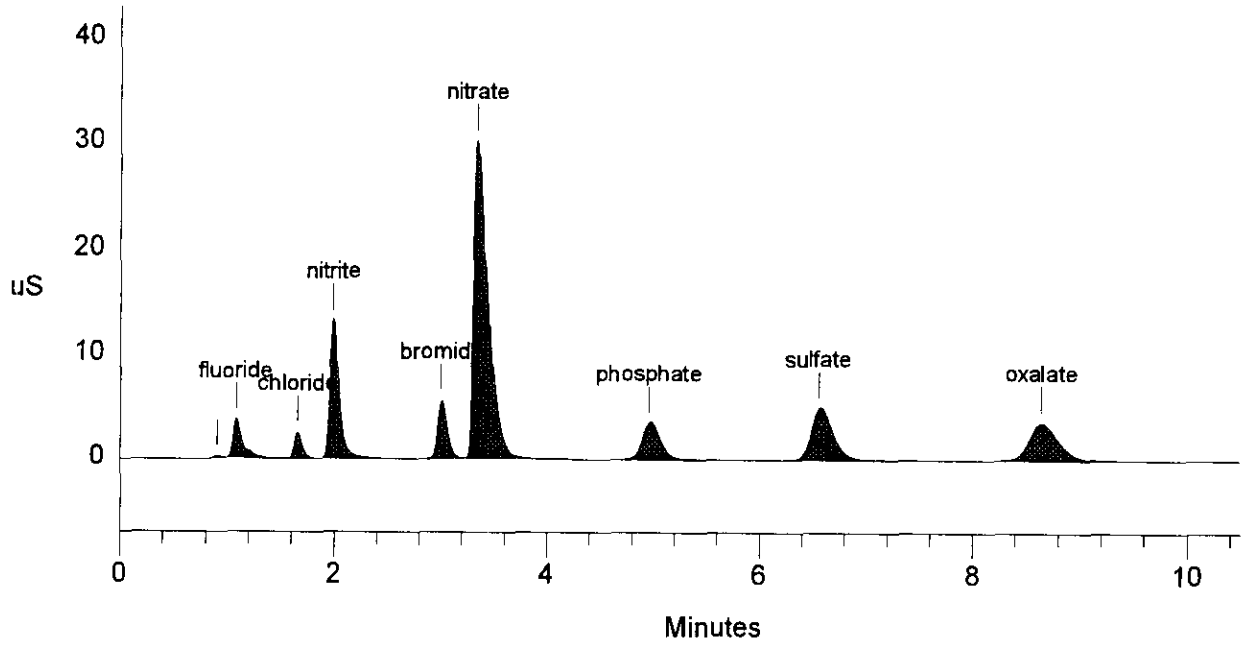
Sample Name: S96T001014 SPIKE Date: 05/02/1996 12:11:19
Data File : C:\DX\DATA\96050201.d11
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	188	971	2	
2	1.08	fluoride	50.327	3710	23065	2	1.25
3	1.65	chloride	39.298	2550	12959	1	0.00
4	1.99	nitrite	345.242	13182	80135	1	-1.32
5	3.01	bromide	222.542	5519	34164	1	1.58
6	3.34	nitrate	1284.598	30055	283339	1	0.80
7	4.96	phosphate	417.129	3506	42764	1	0.54
8	6.56	sulfate	265.642	4907	70076	1	0.82
9	8.64	oxalate	320.383	3567	66590	1	1.25
		Totals	2945.160	67184	614063		

File: 96050201.d11 Sample: S96T001014 SPIKE



LABCORE Data Entry Template for Worklist# 8353

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 **Rev/Mod** D1

Worklist Comment: Rerun Br U-105. Use 41 df to get Br< below project limit.Jmf

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001286	0	W	@IC-01	SOLID	96000143	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T001286	0	W	@IC-01	SOLID		
6	SPK	S96T001286	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001292	0	W	@IC-01	SOLID	96000143	U-105 (R)
		Analytes Requested: BR-02						
8	DUP	S96T001292	0	W	@IC-01	SOLID		

Final page for worklist # 8353

A Lambel 5·15·96
Analyst Signature **Date**

Analyst Signature **Date**

Expakd 8353 mag. esv
In shell 5/21/96 GMF
Uploaded 5-31-96 Hla
Validated 5-31-96 Hla

Data Entry Comments: 96 05 15 31.D11 → D18

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8353

Analyst: eal **Instrument:** IC01 **Book#** 133N9F

Method: LA533105 Rev/Mod D-1

Worklist Comment: Rerun Br U-105. Use 41 df to get Br < below project limit.Jmf

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		1.39e-01	0.139	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		1.84e-01	0.184	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.79e+01	98.136	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.22e+01	91.392	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02		5.28e+02	98.324	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.59e+02	97.217	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.87e+02	95.603	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.32e+02	97.436	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.17e+02	97.781	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02		4.99e+02	98.035	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		1.56e-01	0.156	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001286	W	0	@IC-01	BR-02	SOLID	N/A	<	1.042e+03	1042.000	ug/g
5	DUP	S96T001286	W	0	@IC-01	BR-02	SOLID	<1.04e3		<1.02e3		RPD
6	SPK	S96T001286	W	0	@IC-01	BR-02	SOLID	5.75e02		5.37e+02	93.391	% Recovery
7	SAMPLE	S96T001292	W	0	@IC-01	BR-02	SOLID	N/A	<	1.008e+03	1008.000	ug/g
8	DUP	S96T001292	W	0	@IC-01	BR-02	SOLID	<1.01e3		<1.04e3		RPD

Final page for worklist# 8353

Analyst Signature **Date** **Analyst Signature** **Date**

H Anastn 5-31-96
Reviewer Signature **Date**

Validated 5 31-96 HA

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 31-May-96

Worklist#: 8353

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S96T001286
	=>	5	DUP	S96T001286
	=>	6	SPK	S96T001286
	=>	7	SAMPLE	S96T001292
	=>	8	DUP	S96T001292
+				

Data File: 8353MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96051531.d11	INST. BLANK	1.00
	2	96051531.d12	133N9-F STD.	101.00
	3	96051531.d13	PREP BLANK	1.00
	4	96051531.d14	S96T001286	41.00
	5	96051531.d15	S96T001286 DUP	41.00
	6	96051531.d16	S96T001286 SPIKE	41.00
	7	96051531.d17	S96T001292	41.00
	8	96051531.d18	S96T001292 DUP	41.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/21/1996 11:49:44

Sample Name: INST. BLANK Date: 05/15/1996 21:16:20
Data File : C:\DX\DATA\96051531.d11
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

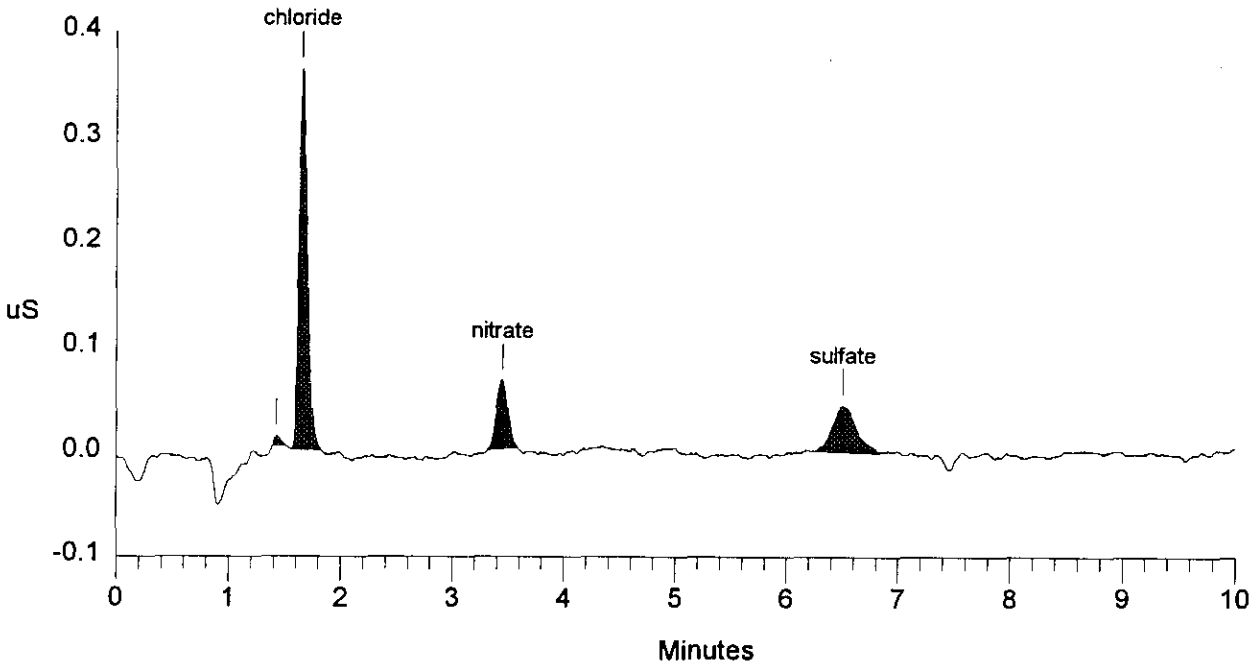
6/11/94

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.66	chloride	0.139	362	1849	1	0.40
3	3.45	nitrate	0.184	65	454	1	4.23
4	6.51	sulfate	0.122	44	643	1	0.00
		Totals	0.445	471	2947		

File: 96051531.d11 Sample: INST. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 649 TO 655.

Data Reprocessed On 05/21/1996 11:49:47

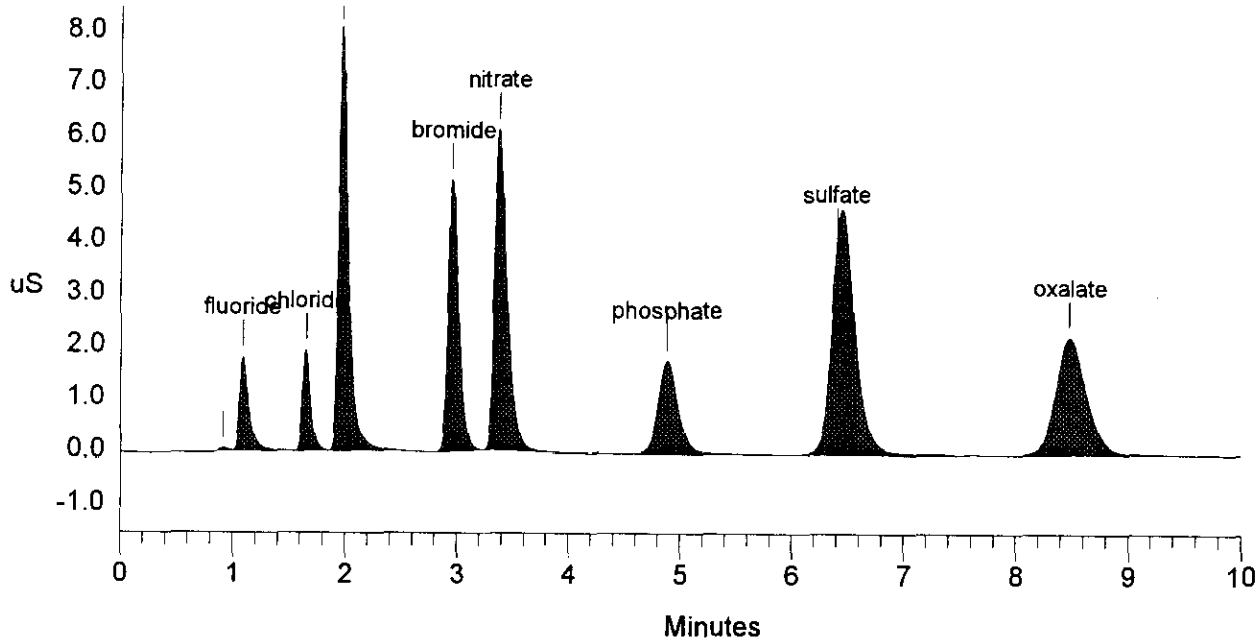
Sample Name: 133N9-F STD. Date: 05/15/1996 21:27:13
Data File : C:\DX\DATA\96051531.d12
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	50	229	2	
2	1.09	fluoride	57.891	1787	10356	2	1.88
3	1.65	chloride	72.150	1917	9615	1	-0.40
4	1.97	nitrite	527.637	8027	49019	1	-2.32
5	2.95	bromide	558.557	5160	34832	1	-0.23
6	3.37	nitrate	586.580	6099	47945	1	1.81
7	4.88	phosphate	532.075	1766	21697	1	-1.08
8	6.40	sulfate	616.979	3983	65956	1	-1.64
9	8.48	oxalate	499.241	2218	41756	1	-0.62
		Totals	3451.110	31007	281404		

File: 96051531.d12 Sample: 133N9-F STD.



Data Reprocessed On 05/21/1996 11:49:50

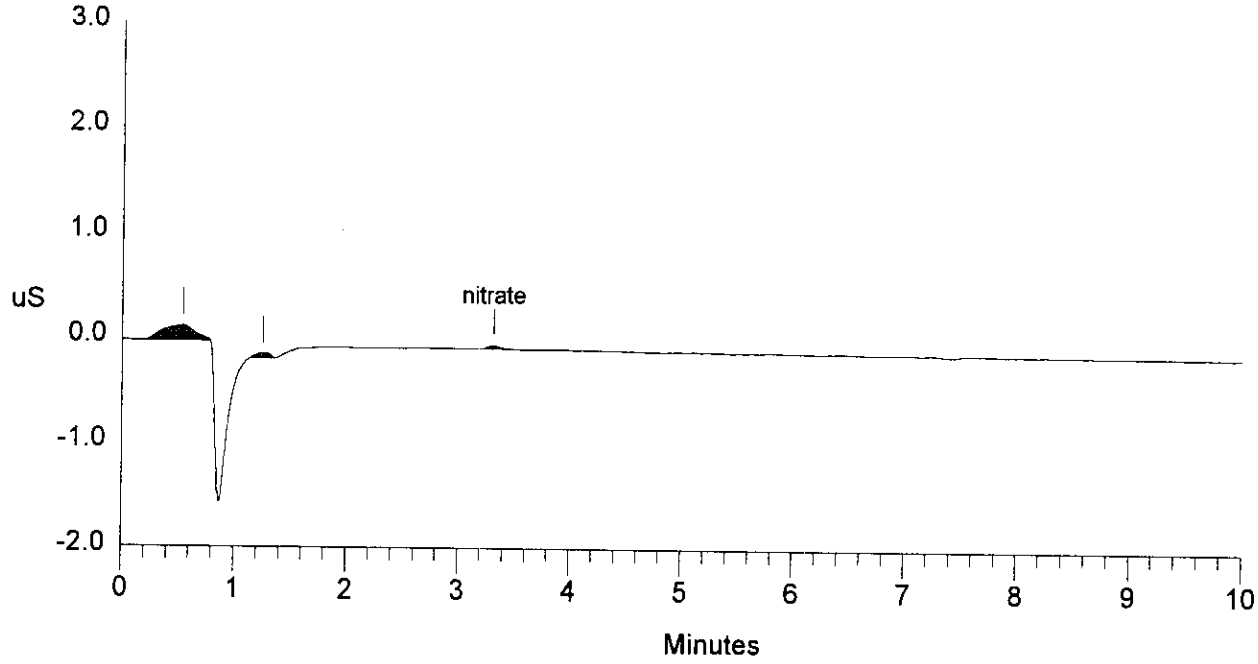
Sample Name: PREP BLANK	Date: 05/15/1996 22:54:26
Data File : C:\DX\DATA\96051531.d13	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 13	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.54		0.000	145	2791	1	
2	1.25		0.000	48	428	1	
3	3.31	nitrate	0.156	33	215	1	0.00
		Totals	0.156	225	3434		

File: 96051531.d13 Sample: PREP BLANK



Data Reprocessed On 05/21/1996 11:49:52

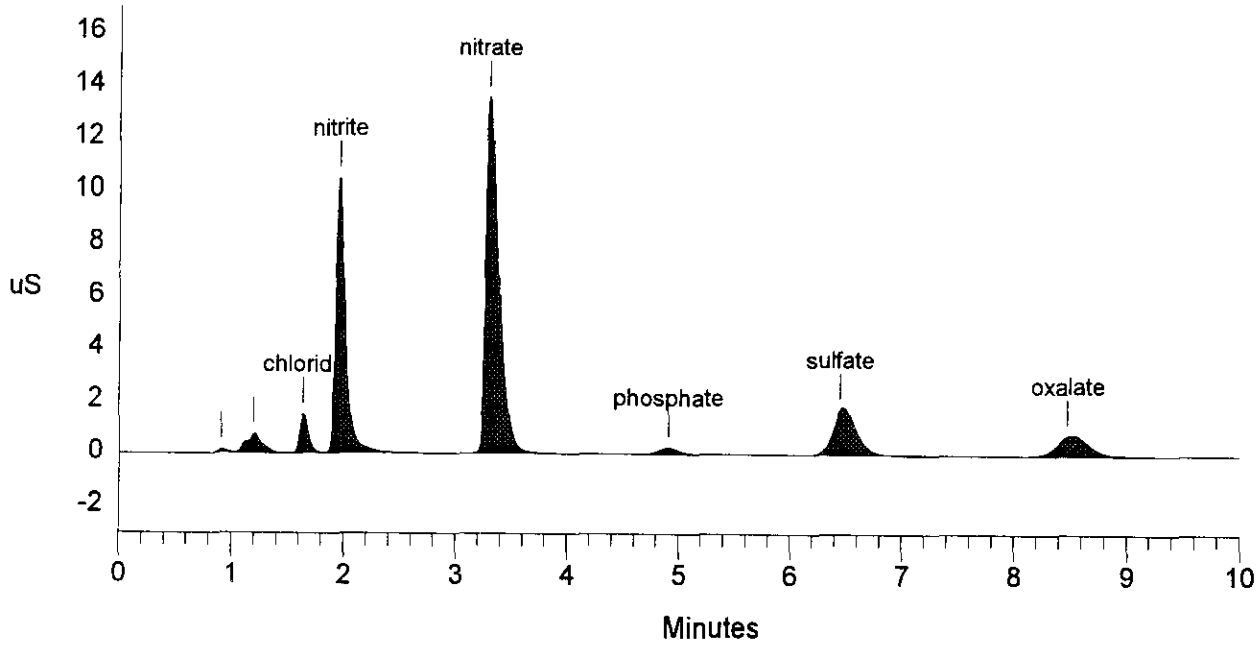
Sample Name: S96T001286	Date: 05/15/1996 23:07:20
Data File : C:\DX\DATA\96051531.d14	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 14	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	125	712	2	
2	1.20		0.000	742	7056	2	
3	1.64	chloride	23.891	1504	7824	1	-0.81
4	1.96	nitrite	274.874	10435	63372	1	-2.65
5	3.30	nitrate	531.583	13491	110442	1	-0.40
6	4.91	phosphate	32.211	254	3084	1	-0.54
7	6.45	sulfate	101.767	1724	26110	1	-0.82
8	8.48	oxalate	77.222	766	15553	1	-0.62
		Totals	1041.547	29042	234152		

File: 96051531.d14 Sample: S96T001286



Data Reprocessed On 05/21/1996 11:49:55

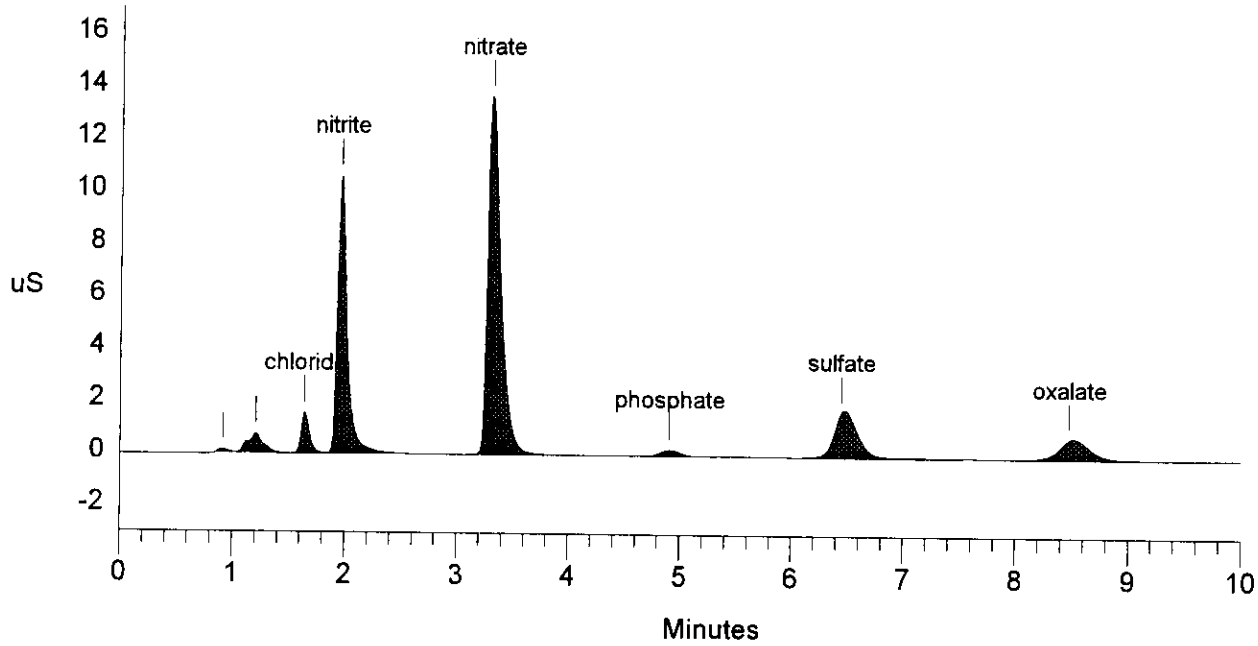
Sample Name: S96T001286 DUP Date: 05/15/1996 23:31:26
Data File : C:\DX\DATA\96051531.d15
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 15 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	122	705	2	
2	1.21		0.000	740	7010	2	
3	1.64	chloride	23.510	1552	7698	1	-0.81
4	1.96	nitrite	273.025	10562	62933	1	-2.65
5	3.31	nitrate	531.387	13618	110399	1	-0.20
6	4.91	phosphate	32.214	257	3084	1	-0.54
7	6.45	sulfate	104.183	1736	26750	1	-0.82
8	8.48	oxalate	74.600	750	15008	1	-0.62
		Totals	1038.919	29337	233587		

File: 96051531.d15 Sample: S96T001286 DUP



Data Reprocessed On 05/21/1996 11:49:58

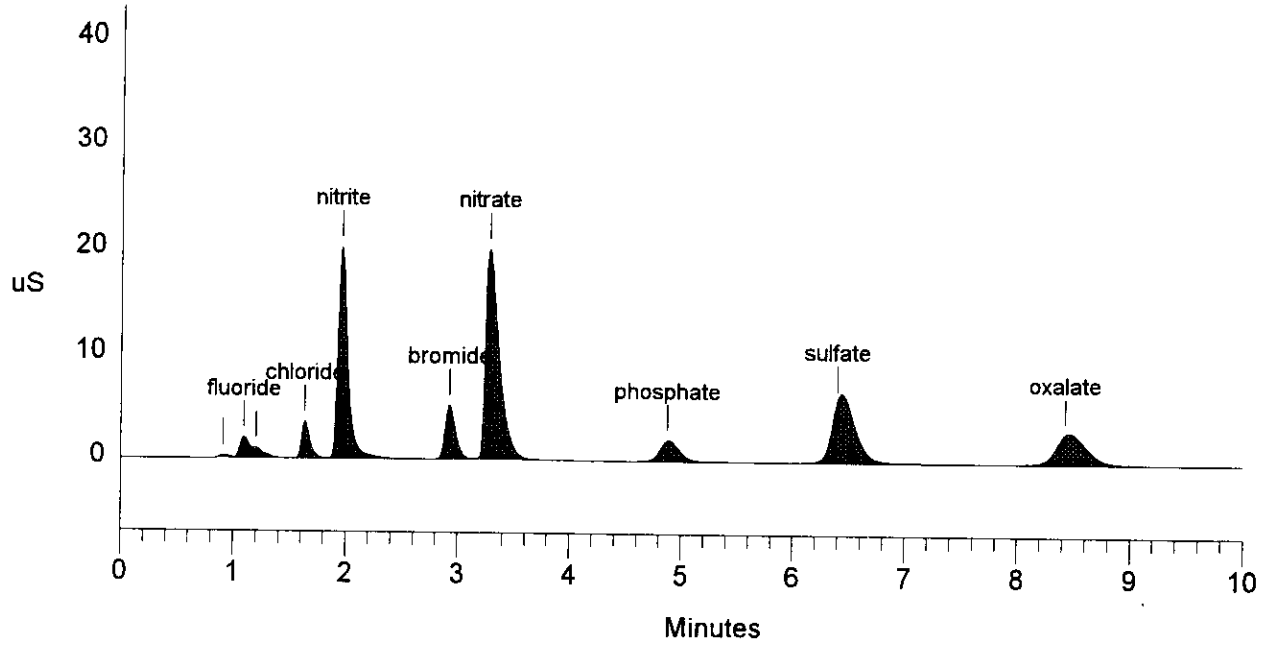
Sample Name: S96T001286 SPIKE Date: 05/15/1996 23:42:37
Data File : C:\DX\DATA\96051531.d16
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 16 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	201	1049	2	
2	1.09	fluoride	24.712	1948	10917	2	2.50
3	1.20		0.000	961	6143	2	
4	1.63	chloride	53.388	3524	17719	1	-1.21
5	1.96	nitrite	517.320	20106	121683	1	-2.65
6	2.93	bromide	214.668	5201	32912	1	-1.13
7	3.28	nitrate	795.752	19980	168875	1	-1.01
8	4.88	phosphate	244.409	2000	24628	1	-1.08
9	6.40	sulfate	347.715	5849	92516	1	-1.64
10	8.43	oxalate	273.728	2859	56719	1	-1.25
		Totals	2471.692	62628	533162		

File: 96051531.d16 Sample: S96T001286 SPIKE



Data Reprocessed On 05/21/1996 11:50:01

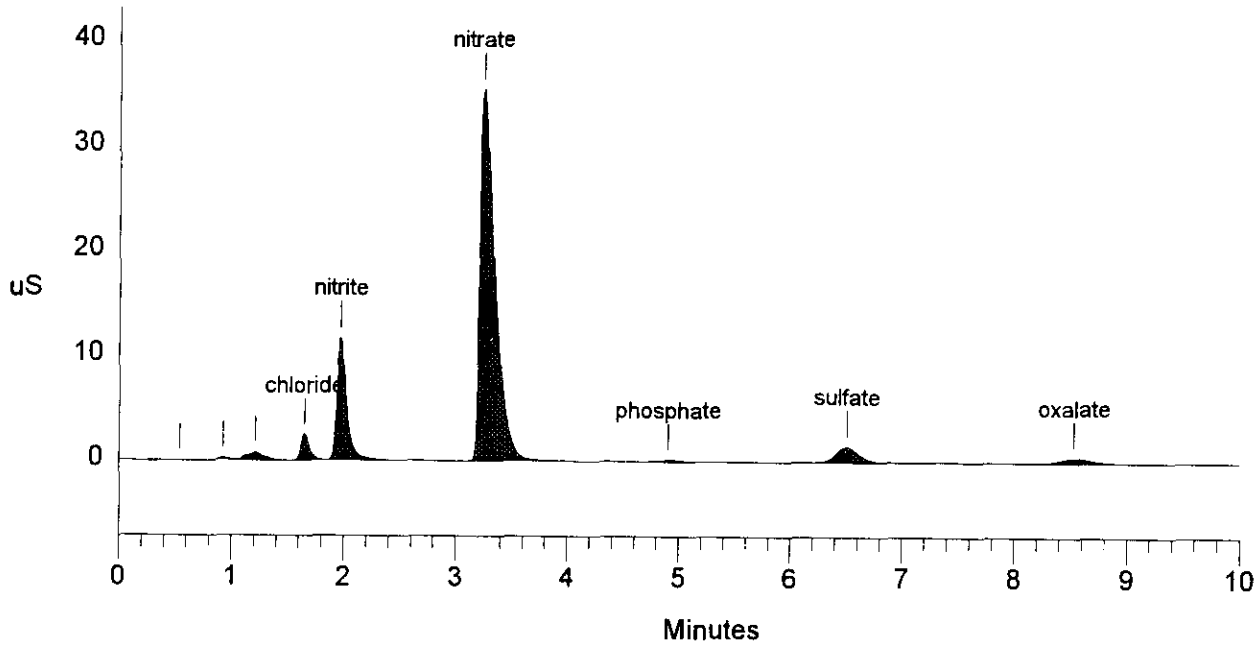
Sample Name: S96T001292 Date: 05/15/1996 23:53:50
Data File : C:\DX\DATA\96051531.d17
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 17 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.54		0.000	23	391	1	
2	0.93		0.000	180	1096	2	
3	1.21		0.000	737	7273	2	
4	1.65	chloride	37.624	2446	12398	1	-0.40
5	1.97	nitrite	296.844	11613	68592	1	-1.99
6	3.25	nitrate	1467.056	35253	328503	1	-2.01
7	4.91	phosphate	20.109	144	1878	1	-0.54
8	6.51	sulfate	80.508	1441	20485	1	0.00
9	8.53	oxalate	42.197	449	8284	1	0.00
		Totals	1944.339	52285	448899		

File: 96051531.d17 Sample: S96T001292



Data Reprocessed On 05/21/1996 11:50:04

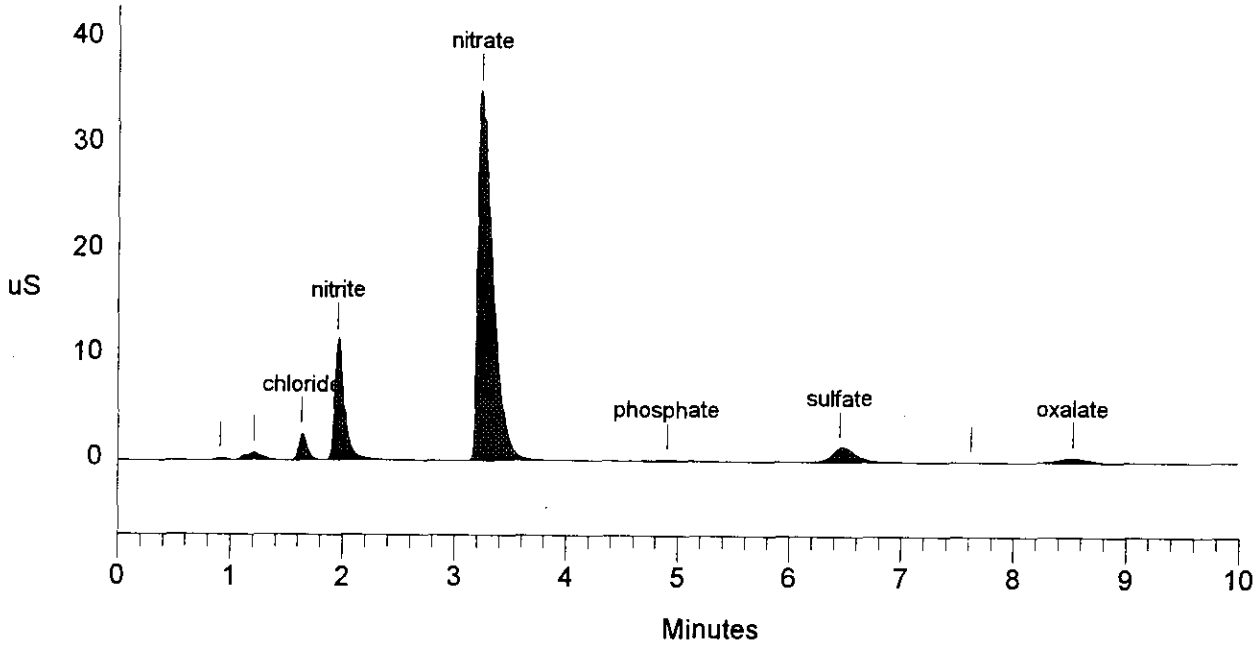
Sample Name: S96T001292 DUP Date: 05/16/1996 00:04:59
Data File : C:\DX\DATA\96051531.d18
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 18 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	181	1072	2	
2	1.21		0.000	731	7097	2	
3	1.64	chloride	38.890	2502	12822	1	-0.81
4	1.96	nitrite	297.355	11429	68713	1	-2.65
5	3.24	nitrate	1473.758	35009	330190	1	-2.21
6	4.91	phosphate	19.896	146	1856	1	-0.54
7	6.45	sulfate	87.079	1362	22222	1	-0.82
8	7.63		0.000	29	552	1	
9	8.53	oxalate	43.026	455	8455	1	0.00
		Totals	1960.005	51844	452980		

File: 96051531.d18 Sample: S96T001292 DUP



05/06/96 13:35
A-0004-1

LABCORE Data Entry Template for Worklist# 8355

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 13319-F

Method: LA-533-105 **Rev/Mod** D1

Worklist Comment: Rerun Br for U-105, use 41 df to get < below project limit.

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001515	0	W	@IC-01	SOLID	96000143	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T001515	0	W	@IC-01	SOLID		
6	SPK	S96T001515	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001516	0	W	@IC-01	SOLID	96000143	U-105 (R)
		Analytes Requested: BR-02						
8	DUP	S96T001516	0	W	@IC-01	SOLID		

Final page for worklist # 8355

A Lambel 05·16·96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8355may.csv
In shell 5/21/96 J M Fuge
Uploaded 5/21/96

Data Entry Comments: 96051631.208 → D15

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

May.21.1996 2:20PM WHC 222S LAB ROOM 2F BACKSIDE No.1053 P. 7

LABCORE Completed Worklist Report for Worklist# 8355

Analyst: eal **Instrument:** IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: Rerun Br for U-105, use 41 df to get < below project limit.

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.87e+01	99.492	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.47e+01	94.557	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.43e+02	101.117	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.60e+02	97.391	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.08e+02	99.023	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.45e+02	99.817	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.28e+02	99.525	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	5.10e+02	100.196	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.56e-01	0.156	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001515	W	0	@IC-01	BR-02	SOLID	N/A <	1.098e+03	1098.000	ug/g
5	DUP	S96T001515	W	0	@IC-01	BR-02	SOLID	<1.10e3	<1.01e3		RPD
6	SPK	S96T001515	W	0	@IC-01	BR-02	SOLID	5.75e02	5.37e+02	93.391	% Recovery
7	SAMPLE	S96T001516	W	0	@IC-01	BR-02	SOLID	N/A <	1.093e+03	1093.000	ug/g
8	DUP	S96T001516	W	0	@IC-01	BR-02	SOLID	<1.09e3	<1.06e3		RPD

Final page for worklist# 8355

Analyst Signature Date

Analyst Signature Date

Joe L Dodd 5/21/96
Reviewer Signature Date
Validated 5/21/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 21-May-96

Worklist#: 8355

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001515
=>	5	DUP	S96T001515
=>	6	SPK	S96T001515
=>	7	SAMPLE	S96T001516
=>	8	DUP	S96T001516

Data File: 8355MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051631.d08	INST. BLANK	1.00
2	96051631.d09	133N9-F STD	101.00
3	96051631.d11	PREP BLANK	1.00
4	96051631.d12	S96T001515	41.00
5	96051631.d13	S96T001515 DUP	41.00
6	96051631.d14	S96T001515 SPIKE	41.00
7	96051631.d15	S96T001516	41.00
8	96051631.d16	S96T001516 DUP	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/21/1996 11:35:27

Sample Name: INST. BLANK	Date: 05/16/1996 22:01:44
Data File : C:\DX\DATA\96051631.d08	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst : [illegible] 5/21/96	Column: AG4A/AS4A anion column

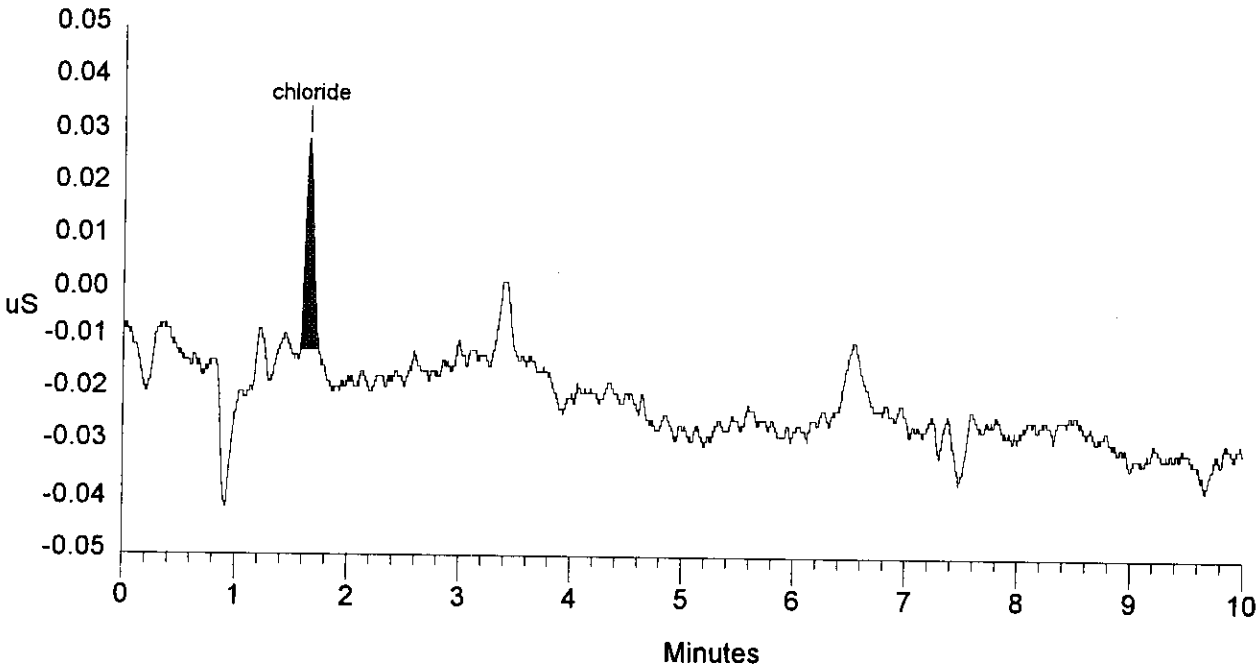
Calibration Volume Dilution Points Rate Start Stop Area Reject

External	1	1	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.65	chloride	0.015	39	191	1	0.00
		Totals	0.015	39	191		

File: 96051631.d08 Sample: INST. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 659 TO 660

Data Reprocessed On 05/21/1996 11:35:30

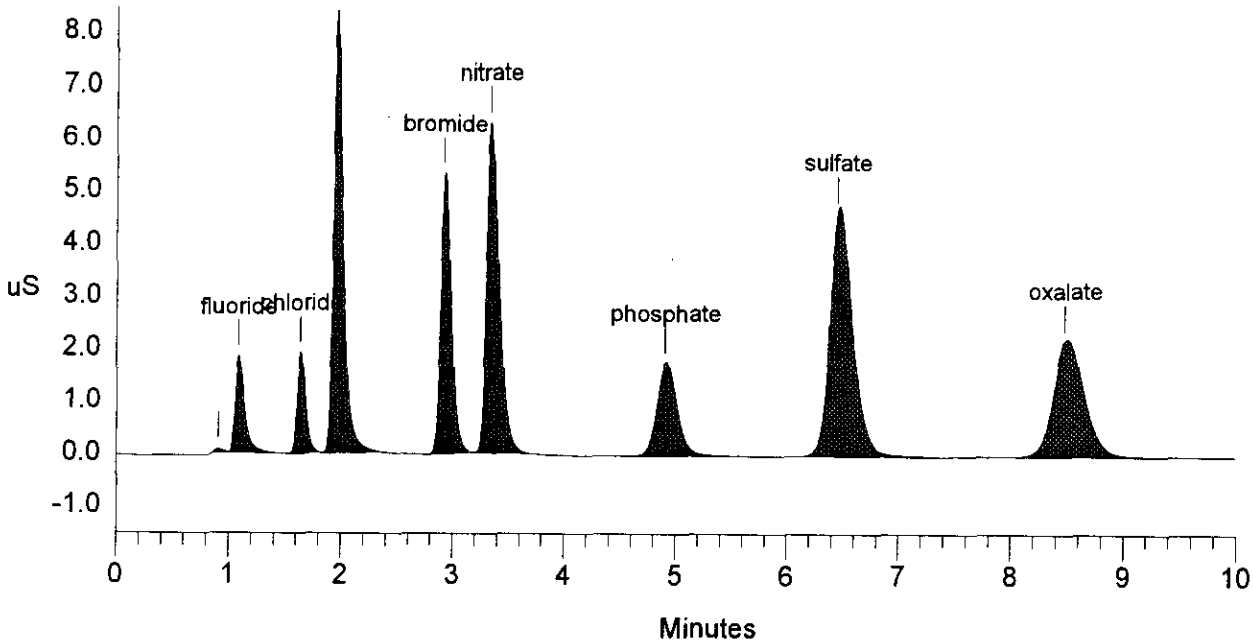
Sample Name: 133N9-F STD Date: 05/16/1996 22:12:47
Data File : C:\DX\DATA\96051631.d09
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	59	274	2	
2	1.09	fluoride	58.685	1833	10505	2	1.88
3	1.64	chloride	74.684	1915	9957	1	-0.81
4	1.96	nitrite	543.319	8315	50520	1	-2.65
5	2.93	bromide	560.441	5320	34954	1	-1.13
6	3.34	nitrate	607.886	6271	49753	1	0.80
7	4.91	phosphate	544.945	1756	22235	1	-0.54
8	6.45	sulfate	628.118	4622	67182	1	-0.82
9	8.48	oxalate	510.374	2205	42705	1	-0.62
		Totals	3528.452	32296	288085		

File: 96051631.d09 Sample: 133N9-F STD



Data Reprocessed On 05/21/1996 11:35:33

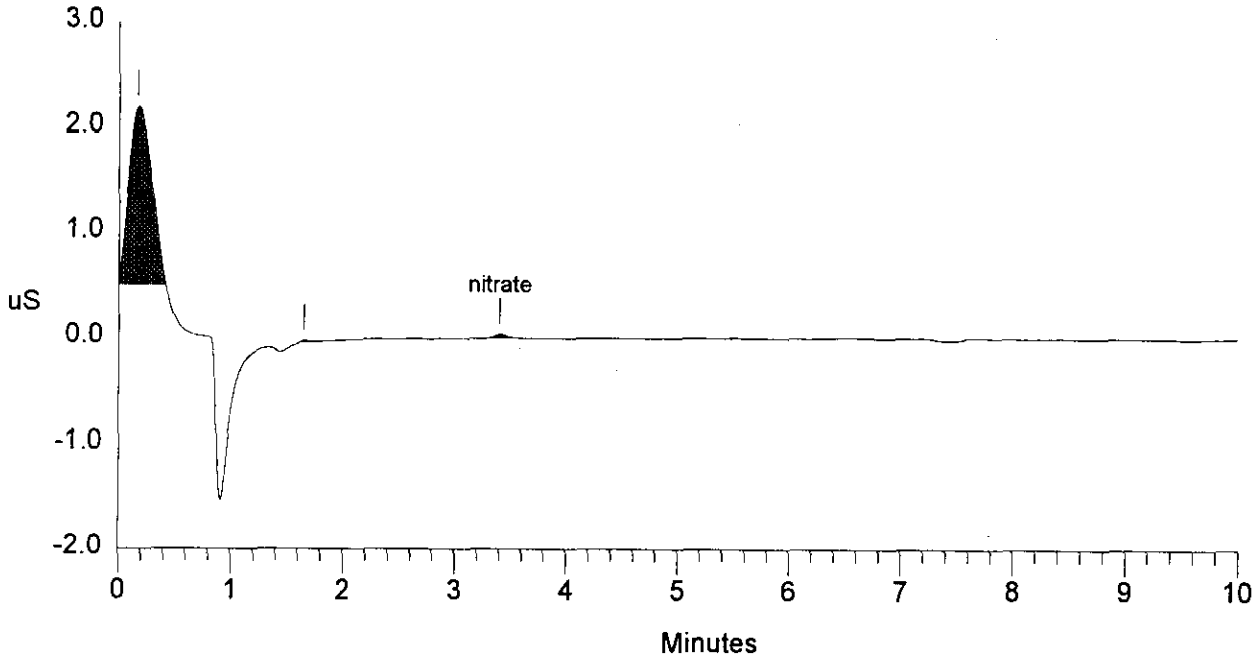
Sample Name: PREP BLANK	Date: 05/16/1996 22:34:10
Data File : C:\DX\DATA\96051631.d11	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.17		0.000	1681	23526	1	
3	3.41	nitrate	0.156	35	218	1	2.82
		Totals	0.156	1715	23744		

File: 96051631.d11 Sample: PREP BLANK



Data Reprocessed On 05/21/1996 11:35:36

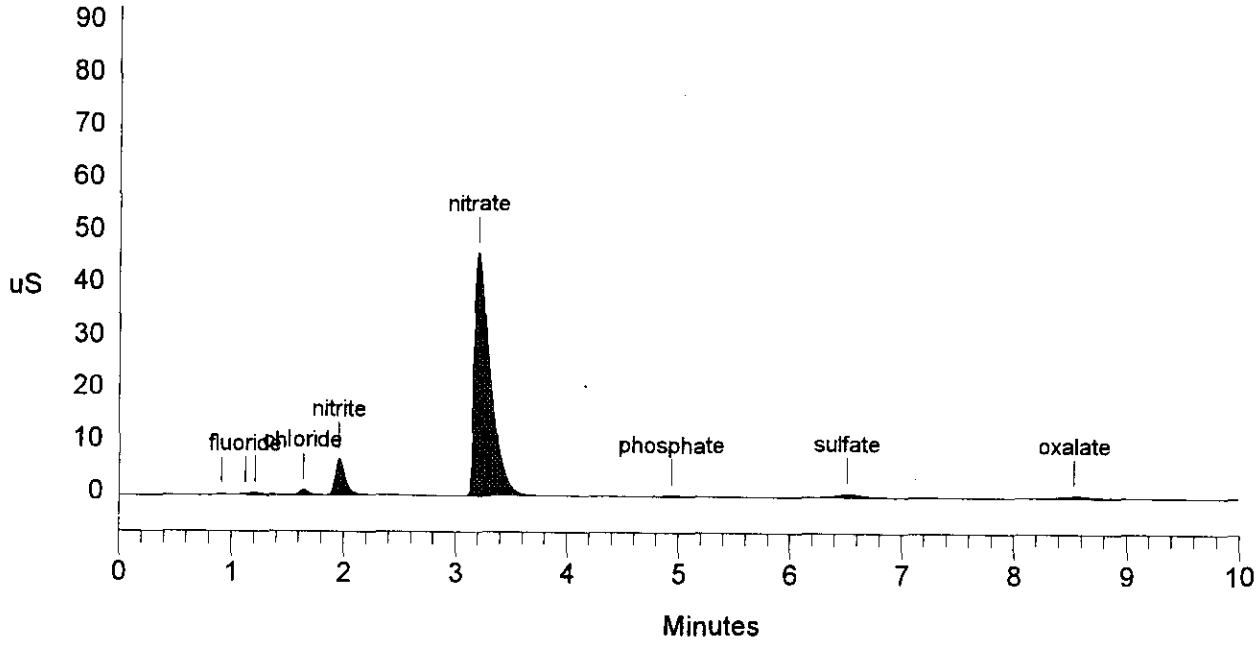
Sample Name: S96T001515 Date: 05/16/1996 22:53:00
Data File : C:\DX\DATA\96051631.d12
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	167	967	2	
2	1.12	fluoride	3.843	316	1409	2	5.00
3	1.21		0.000	522	3733	2	
4	1.64	chloride	16.565	1013	5407	1	-0.81
5	1.96	nitrite	186.869	6909	42587	1	-2.65
6	3.20	nitrate	1954.663	46055	457214	1	-3.42
7	4.93	phosphate	24.796	189	2344	1	0.00
8	6.51	sulfate	39.505	621	9685	1	0.00
9	8.53	oxalate	38.285	387	7473	1	0.00
		Totals	2264.527	56180	530818		

File: 96051631.d12 Sample: S96T001515



Data Reprocessed On 05/21/1996 11:35:39

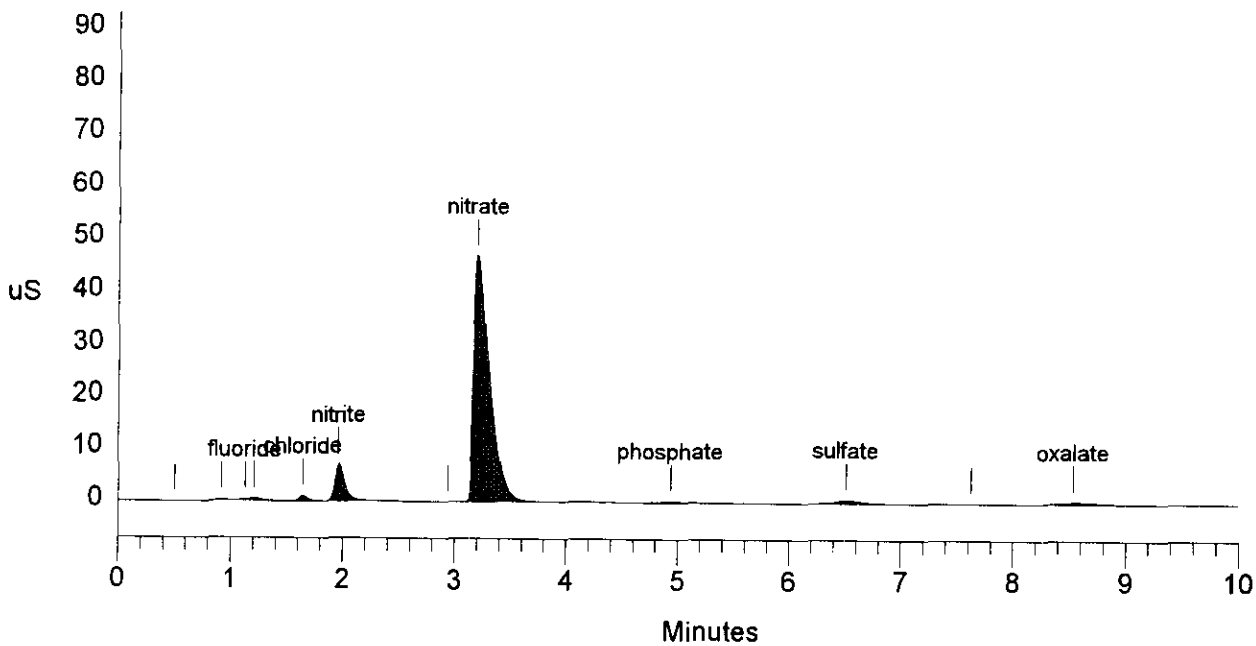
Sample Name: S96T001515 DUP	Date: 05/16/1996 23:03:42
Data File : C:\DX\DATA\96051631.d13	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 13	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.50		0.000	19	190	1	
2	0.91		0.000	171	987	2	
3	1.13	fluoride	3.947	338	1455	2	5.63
4	1.21		0.000	537	3931	2	
5	1.65	chloride	16.846	1039	5499	1	-0.40
6	1.96	nitrite	188.253	7007	42912	1	-2.65
8	3.20	nitrate	1987.530	46658	466371	1	-3.42
9	4.93	phosphate	28.323	219	2696	1	0.00
10	6.51	sulfate	37.130	614	9062	1	0.00
11	7.63		0.000	26	423	1	
12	8.53	oxalate	38.884	383	7597	1	0.00
		Totals	2300.913	57010	541124		

File: 96051631.d13 Sample: S96T001515 DUP



Data Reprocessed On 05/21/1996 11:35:42

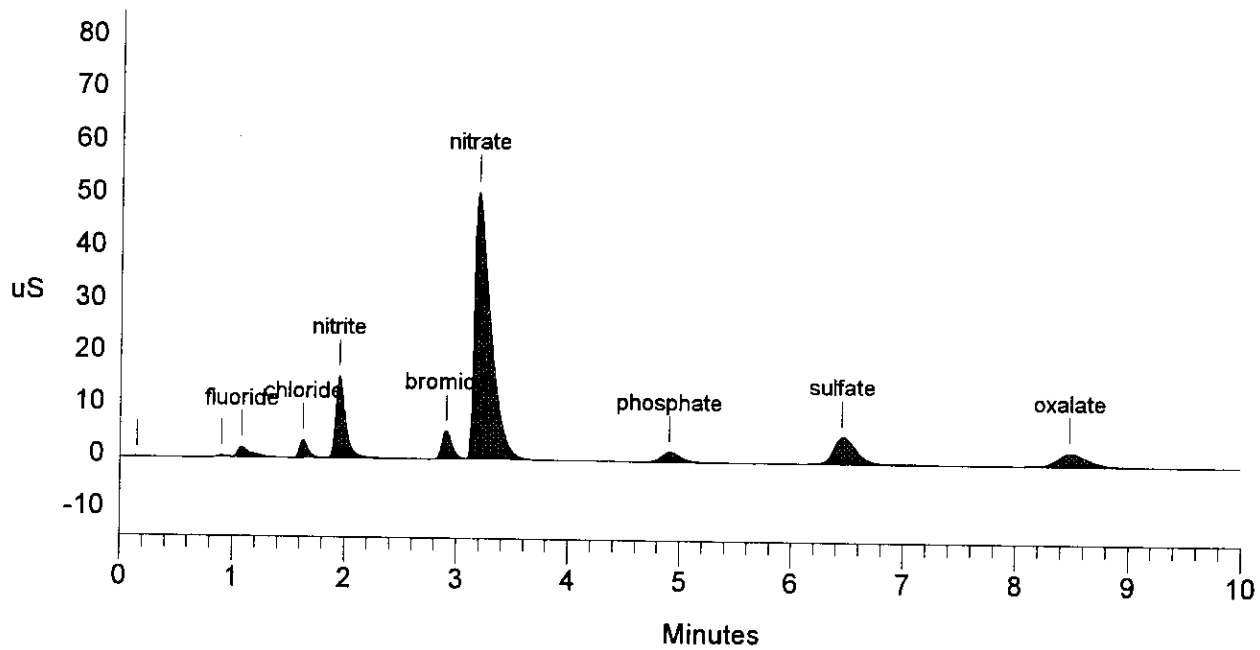
Sample Name: S96T001515 SPIKE	Date: 05/16/1996 23:14:47
Data File : C:\DX\DATA\96051631.d14	WHC-SD-WM-DP-182, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 14	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.15		0.000	28	194	1	
2	0.90		0.000	238	1279	2	
3	1.08	fluoride	33.613	1938	15075	2	1.25
4	1.63	chloride	53.186	3461	17650	1	-1.61
5	1.95	nitrite	410.961	15675	95908	1	-3.31
6	2.91	bromide	214.692	5379	32916	1	-1.80
7	3.19	nitrate	2161.552	50878	516036	1	-3.82
8	4.91	phosphate	234.920	1890	23648	1	-0.54
9	6.45	sulfate	277.893	5137	73408	1	-0.82
10	8.48	oxalate	231.349	2533	47786	1	-0.62
		Totals	3618.166	87158	823900		

File: 96051631.d14 Sample: S96T001515 SPIKE



Data Reprocessed On 05/21/1996 11:35:45

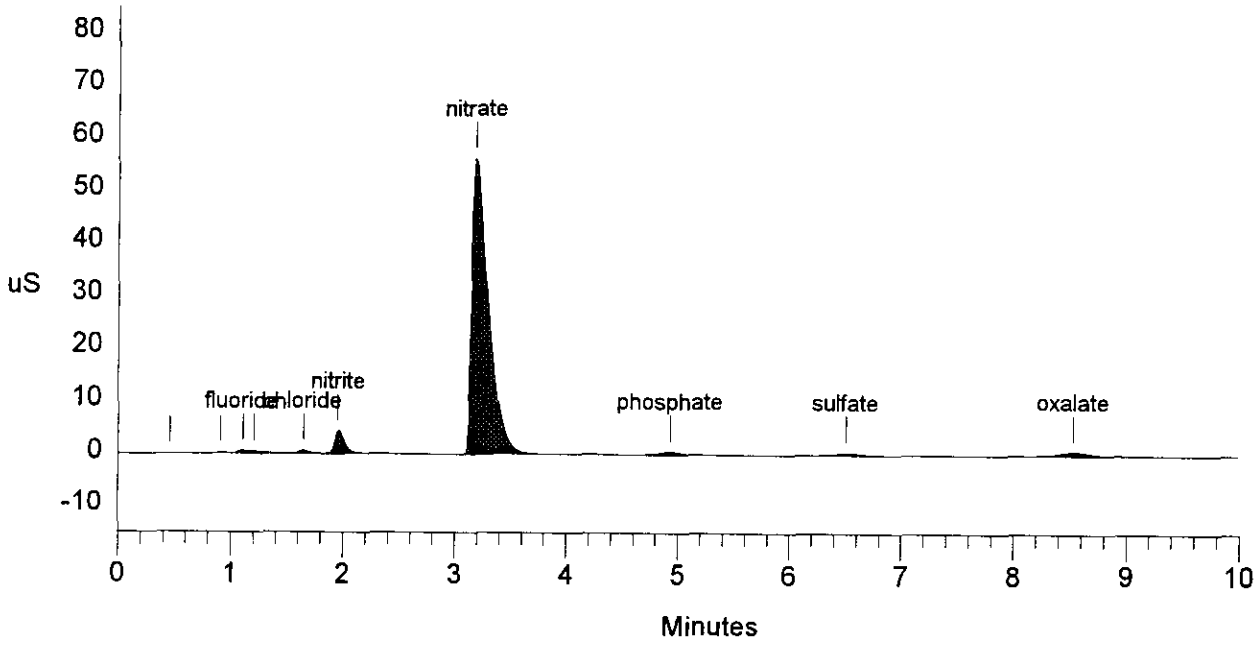
Sample Name: S96T001516	Date: 05/16/1996 23:30:41
Data File : C:\DX\DATA\96051631.d15	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 15	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	25	257	1	
2	0.91		0.000	163	952	2	
3	1.11	fluoride	7.727	599	3153	2	3.75
4	1.21		0.000	509	3554	2	
5	1.65	chloride	10.263	638	3340	1	-0.40
6	1.96	nitrite	119.587	4361	26828	1	-2.65
7	3.19	nitrate	2368.271	55913	577880	1	-3.82
8	4.93	phosphate	77.641	602	7632	1	0.00
9	6.51	sulfate	30.493	470	7320	1	0.00
10	8.53	oxalate	71.958	768	14459	1	0.00
		Totals	2685.939	64047	645375		

File: 96051631.d15 Sample: S96T001516



Data Reprocessed On 05/21/1996 11:35:48

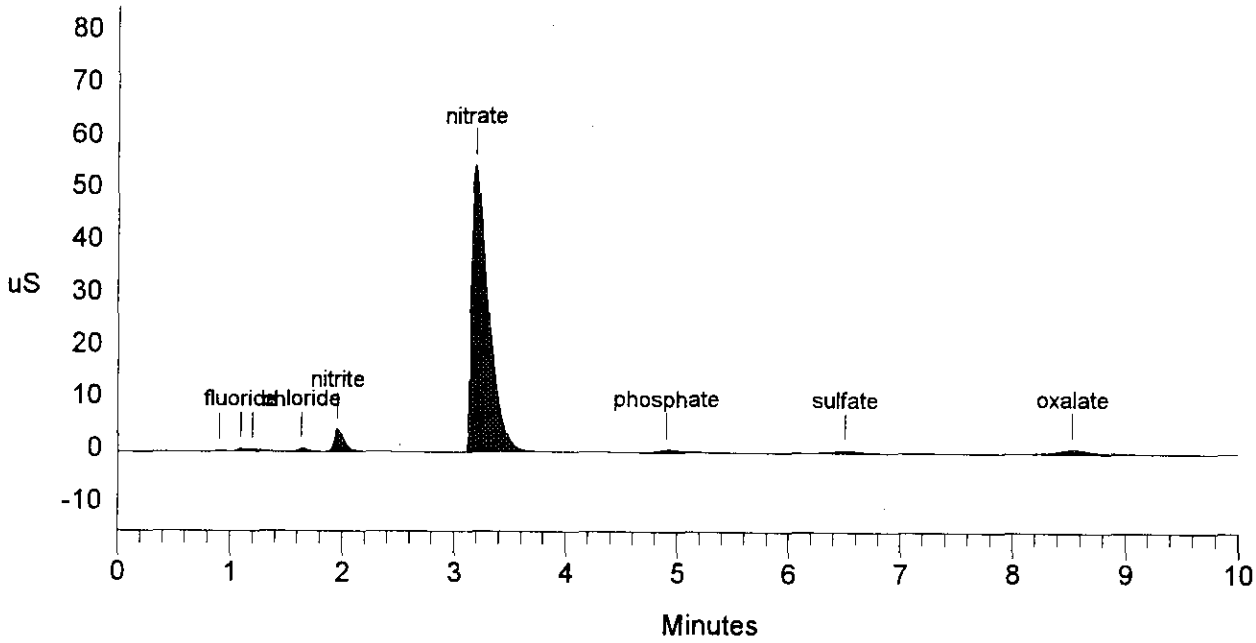
Sample Name: S96T001516 DUP	Date: 05/16/1996 23:41:37
Data File : C:\DX\DATA\96051631.d16	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 16	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	143	783	2	
2	1.10	fluoride	7.419	569	3015	2	3.13
3	1.20		0.000	479	3388	2	
4	1.64	chloride	10.216	626	3325	1	-0.81
5	1.96	nitrite	118.743	4313	26631	1	-2.65
6	3.19	nitrate	2337.056	54678	568325	1	-3.62
7	4.91	phosphate	70.483	530	6913	1	-0.54
8	6.51	sulfate	27.478	452	6529	1	0.00
9	8.53	oxalate	75.707	760	15238	1	0.00
		Totals	2647.102	62549	634147		

File: 96051631.d16 Sample: S96T001516 DUP



LABCORE Data Entry Template for Worklist# 8389

Analyst: JLF **Instrument:** IC00 IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001811	0	W	@IC-01	SOLID	96000323	U-105 (R)
		Analytes Requested:			BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001811	0	W	@IC-01	SOLID		
6	SPK	S96T001811	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001812	0	W	@IC-01	SOLID	96000323	U-105 (R)
		Analytes Requested:			BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001812	0	W	@IC-01	SOLID		

Final page for worklist # 8389

Jane Fuge for Jesse Lisby 5/9/96
Analyst Signature **Date**
5/9/96

Analyst Signature **Date**

Exported 8389 may.CSV
Inshell 5/13/96 JMF
Uploaded 5/14/96 JM Fuge

Data Entry Comments: 96090871.D02, D04 → D12

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8389

Analyst: jlf **Instrument:** IC01 **Book#** 133N9F

Method: LA533105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		1.92e-01	0.192	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		1.84e-01	0.184	ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.91e+01	100.169	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.34e+01	92.911	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02		5.46e+02	101.676	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.51e+02	95.826	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.96e+02	97.068	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.45e+02	99.817	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.12e+02	96.989	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02		4.98e+02	97.839	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		2.14e-01	0.214	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	F-02	SOLID	N/A		8.979e+02	115.800	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	CL-02	SOLID	N/A		3.705e+03	151.500	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	NO2-02	SOLID	N/A		4.428e+04	953.200	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	BR-02	SOLID	N/A	<	1.123e+03	1123.000	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	NO3-02	SOLID	N/A		1.793e+05	1246.000	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	PO4-02	SOLID	N/A		1.046e+04	1059.000	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	SO4-02	SOLID	N/A		1.960e+04	1211.000	ug/g
4	SAMPLE	S96T001811	W	0	@IC-01	OXALATE2	SOLID	N/A		6.749e+03	935.600	ug/g
5	DUP	S96T001811	W	0	@IC-01	F-02	SOLID	8.98e+02		9.87e+02	9.443	RPD
5	DUP	S96T001811	W	0	@IC-01	CL-02	SOLID	3.70e+03		3.98e+03	7.292	RPD
5	DUP	S96T001811	W	0	@IC-01	NO2-02	SOLID	4.43e+04		4.60e+04	3.765	RPD
5	DUP	S96T001811	W	0	@IC-01	BR-02	SOLID	<1.12e3		<1.13e3		RPD
5	DUP	S96T001811	W	0	@IC-01	NO3-02	SOLID	1.79e+05		1.91e+05	6.486	RPD
5	DUP	S96T001811	W	0	@IC-01	PO4-02	SOLID	1.05e+04		1.07e+04	1.887	RPD
5	DUP	S96T001811	W	0	@IC-01	SO4-02	SOLID	1.96e+04		1.83e+04	6.860	RPD
5	DUP	S96T001811	W	0	@IC-01	OXALATE2	SOLID	6.75e+03		7.14e+03	5.616	RPD
6	SPK	S96T001811	W	0	@IC-01	F-02	SOLID	5.90e01		3.21e+01	54.407	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8389

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001811	0	W	@IC-01	CL-02	SOLID	7.90e01		1.00e+02	126.582	% Recovery
6	SPK	S96T001811	0	W	@IC-01	NO2-02	SOLID	5.37e02		6.01e+02	111.918	% Recovery
6	SPK	S96T001811	0	W	@IC-01	BR-02	SOLID	5.75e02		5.30e+02	92.174	% Recovery
6	SPK	S96T001811	0	W	@IC-01	NO3-02	SOLID	6.14e02		7.35e+02	119.707	% Recovery
6	SPK	S96T001811	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.34e+02	97.802	% Recovery
6	SPK	S96T001811	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.20e+02	98.257	% Recovery
6	SPK	S96T001811	0	W	@IC-01	OXALATE2	SOLID	5.09e02		4.89e+02	96.071	% Recovery
7	SAMPLE	S96T001812	0	W	@IC-01	F-02	SOLID	N/A		7.654e+02	157.900	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	CL-02	SOLID	N/A		3.819e+03	206.500	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	NO2-02	SOLID	N/A		4.275e+04	1299.000	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	BR-02	SOLID	N/A	<	1.530e+03	1530.000	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	NO3-02	SOLID	N/A		3.159e+05	1699.000	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	PO4-02	SOLID	N/A		8.100e+03	1444.000	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	SO4-02	SOLID	N/A		1.457e+04	1650.000	ug/g
7	SAMPLE	S96T001812	0	W	@IC-01	OXALATE2	SOLID	N/A		6.112e+03	1275.000	ug/g
8	DUP	S96T001812	0	W	@IC-01	F-02	SOLID	7.65e+02		<1.57e2		RPD
8	DUP	S96T001812	0	W	@IC-01	CL-02	SOLID	3.82e+03		3.26e+03	15.819	RPD
8	DUP	S96T001812	0	W	@IC-01	NO2-02	SOLID	4.28e+04		3.76e+04	12.935	RPD
8	DUP	S96T001812	0	W	@IC-01	BR-02	SOLID	<1.53e3		<1.52e3		RPD
8	DUP	S96T001812	0	W	@IC-01	NO3-02	SOLID	3.16e+05		3.03e+05	4.200	RPD
8	DUP	S96T001812	0	W	@IC-01	PO4-02	SOLID	8.10e+03		7.14e+03	12.598	RPD
8	DUP	S96T001812	0	W	@IC-01	SO4-02	SOLID	1.46e+04		1.25e+04	15.498	RPD
8	DUP	S96T001812	0	W	@IC-01	OXALATE2	SOLID	6.11e+03		5.09e+03	18.214	RPD

Comments Section:

Comments for sample# S96T001811 **and test** @IC-01 .
Spk shows F and Cl matrix interference. jmf

Comments for sample# S96T001812 **and test** @IC-01 .
There is a very small amount of Br but below cal curve. jmf

Final page for worklist# 8389

Analyst Signature **Date** **Analyst Signature** **Date**

H Anastos - 5-21-96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 14-May-96

Worklist#: 8389

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001811
=>	5	DUP	S96T001811
=>	6	SPK	S96T001811
=>	7	SAMPLE	S96T001812
=>	8	DUP	S96T001812

Data File: 8389MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96090871.d02	BLANK	1.00
	96090871.d03	133N9-F	101.00
2	96090871.d04	133N9-F STD	101.00
3	96090871.d05	BLANK PREP	1.00
	96090871.d06	S96T001811	101.00
4	96090871.d07	S96T001811	41.00
5	96090871.d08	S96T001811 DUP	41.00
6	96090871.d09	S96T001811 SPIKE	41.00
	96090871.d10	S96T001812 SAM	101.00
7	96090871.d11	S96T001812 SAM	67.67
8	96090871.d12	S96T001812 DUP	67.67

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/13/1996 09:43:59

Sample Name: BLANK	Date: 05/09/1996 14:15:04
Data File : C:\DX\DATA\96090871.d02	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

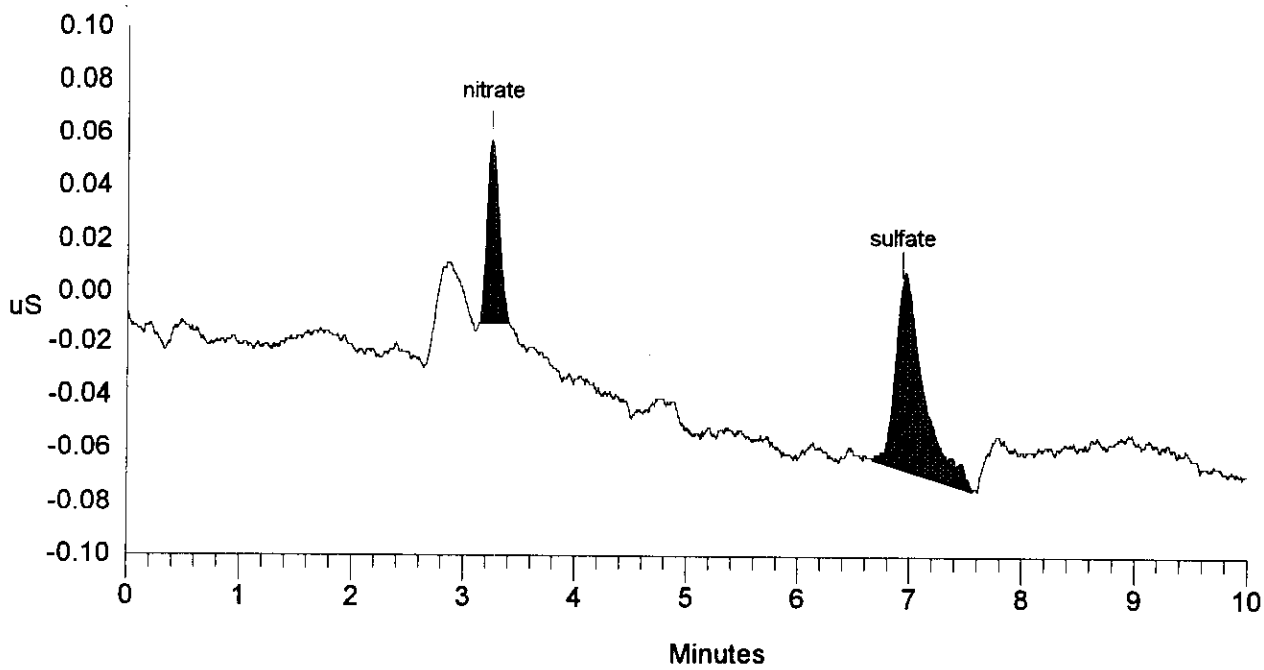
N Ohnosto for JL Irisby 5.21.96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	3.25	nitrate	0.192	69	517	1	-1.81
2	6.93	sulfate	0.184	69	1308	1	6.56
		Totals	0.376	138	1825		

File: 96090871.d02 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 671 TO 680.

Data Reprocessed On 05/13/1996 09:44:04

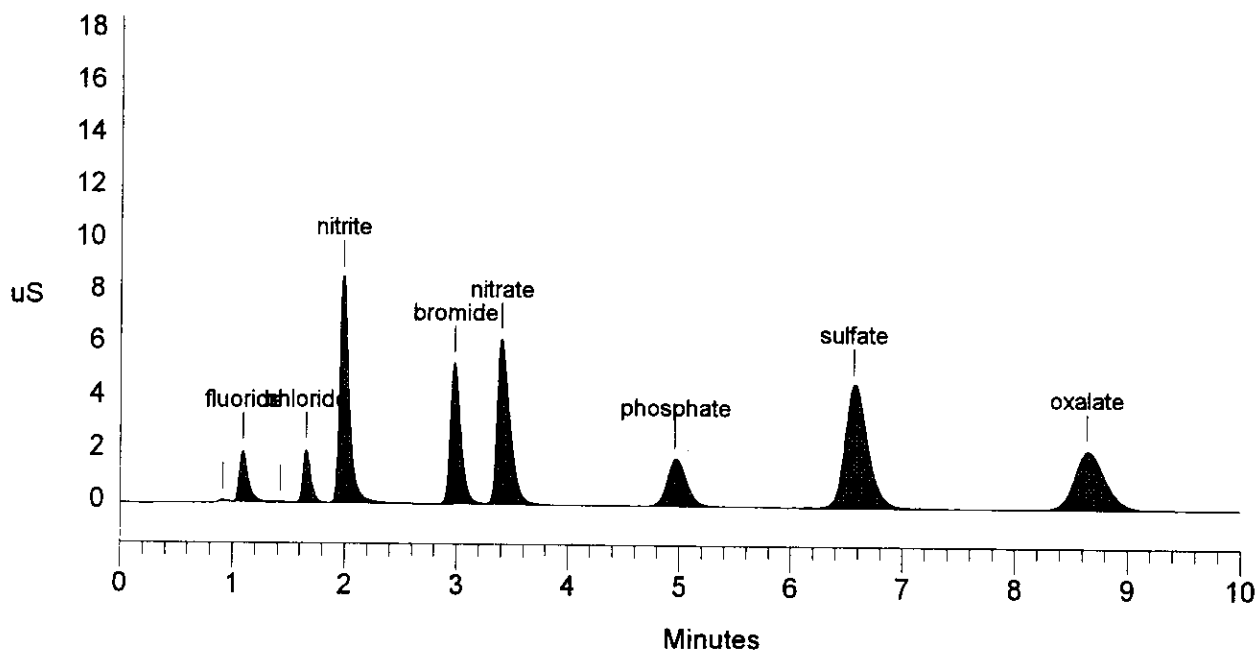
Sample Name: 133N9-F STD	Date: 05/09/1996 14:54:00
Data File : C:\DX\DATA\96090871.d04	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	81	385	2	
2	1.09	fluoride	59.114	1952	10585	2	2.50
3	1.43		0.000	34	222	2	
4	1.65	chloride	73.364	2015	9779	1	0.00
5	1.98	nitrite	546.005	8574	50777	1	-1.66
6	2.98	bromide	551.446	5334	34373	1	0.68
7	3.40	nitrate	595.978	6204	48743	1	2.62
8	4.96	phosphate	545.237	1796	22247	1	0.54
9	6.56	sulfate	611.796	4594	65386	1	0.82
10	8.64	oxalate	498.171	2196	41665	1	1.25
		Totals	3481.111	32780	284162		

File: 96090871.d04 Sample: 133N9-F STD



Data Reprocessed On 05/13/1996 09:44:06

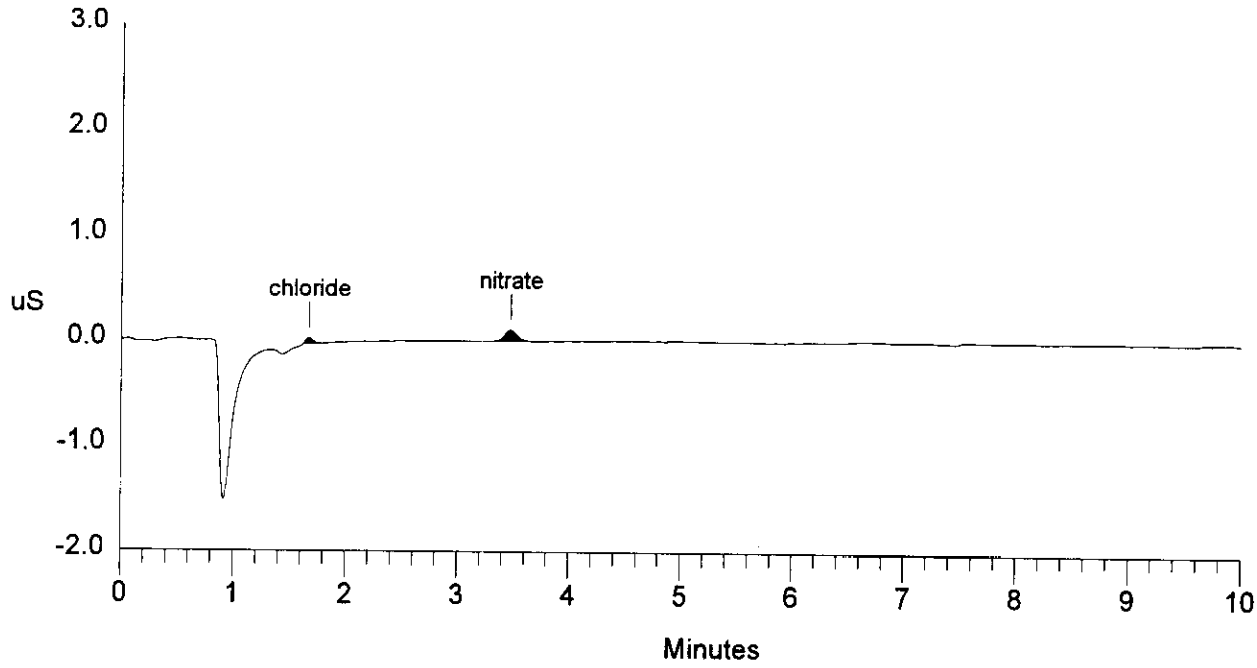
Sample Name: BLANK PREP	Date: 05/09/1996 15:06:17
Data File : C:\DX\DATA\96090871.d05	WMC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.67	chloride	0.015	49	196	1	1.21
2	3.47	nitrate	0.214	102	704	1	4.83
		Totals	0.229	151	901		

File: 96090871.d05 Sample: BLANK PREP



Data Reprocessed On 05/13/1996 09:44:08

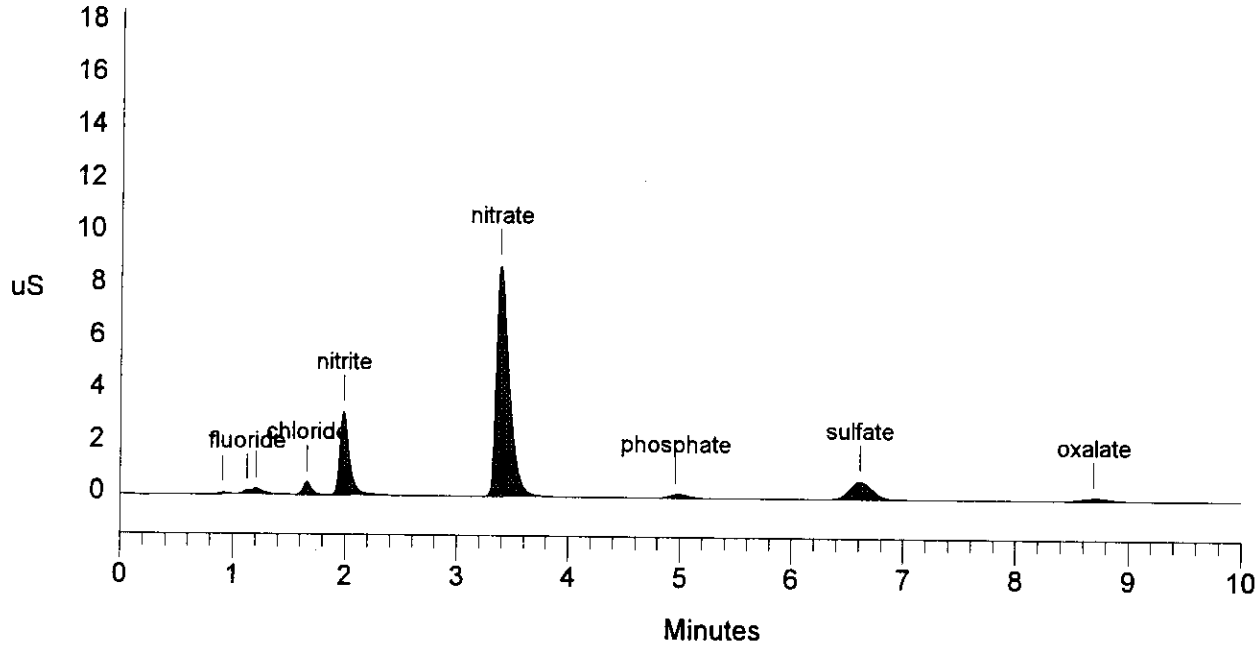
Sample Name: S96T001811 Date: 05/09/1996 15:18:16
Data File : C:\DX\DATA\96090871.d06 WHC-SD-WM-DP-182, REV.
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	72	409	1	
2	1.13	fluoride	4.878	145	575	2	5.63
3	1.21		0.000	224	1323	2	
4	1.66	chloride	18.884	503	2492	1	0.40
5	1.99	nitrite	208.900	3191	18724	1	-1.32
6	3.39	nitrate	854.109	8776	70794	1	2.21
7	4.96	phosphate	52.354	146	1992	1	0.54
8	6.61	sulfate	99.048	689	9870	1	1.64
9	8.69	oxalate	36.496	131	2614	1	1.88
		Totals	1274.670	13878	108792		

File: 96090871.d06 Sample: S96T001811



Data Reprocessed On 05/13/1996 09:44:10

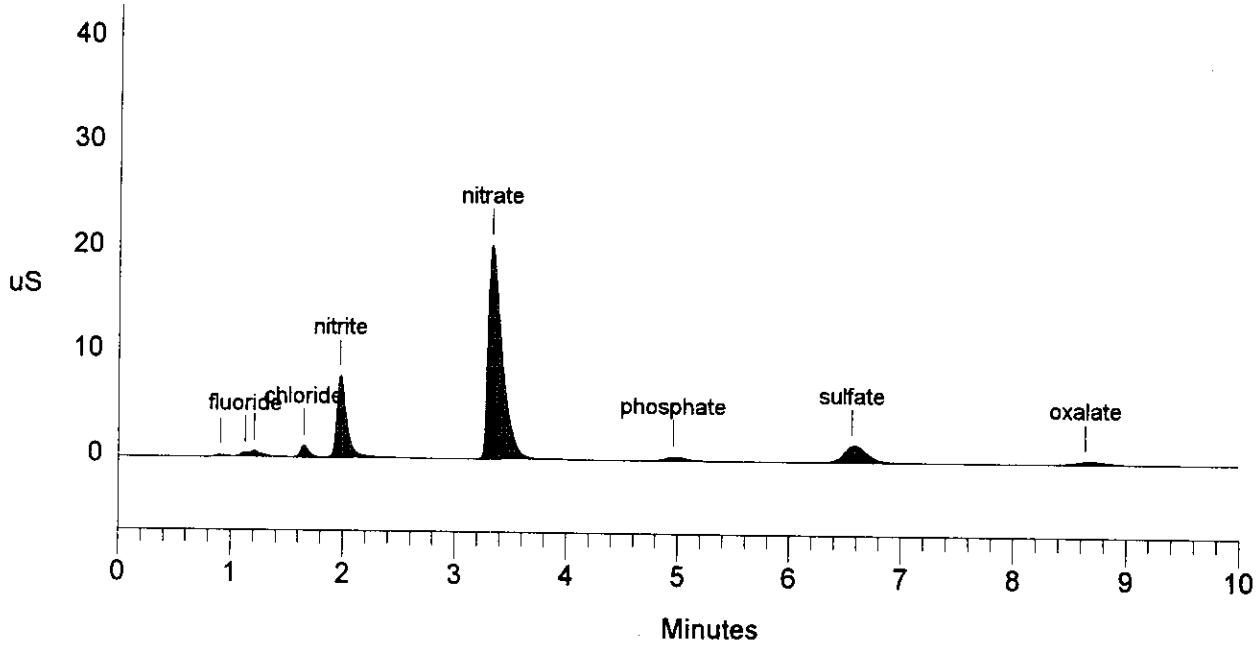
Sample Name: S96T001811	Date: 05/09/1996 15:46:41
Data File : C:\DX\DATA\96090871.d07	WMC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	157	913	2	
2	1.13	fluoride	4.132	367	1538	2	5.63
3	1.21		0.000	558	3756	2	
4	1.65	chloride	17.051	1111	5567	1	-0.40
5	1.97	nitrite	203.758	7732	46561	1	-1.99
6	3.33	nitrate	824.930	20338	175466	1	0.40
7	4.96	phosphate	48.115	365	4672	1	0.54
8	6.56	sulfate	90.215	1529	23051	1	0.82
9	8.64	oxalate	31.060	291	5976	1	1.25
		Totals	1219.260	32450	267499		

File: 96090871.d07 Sample: S96T001811



Data Reprocessed On 05/13/1996 09:44:12

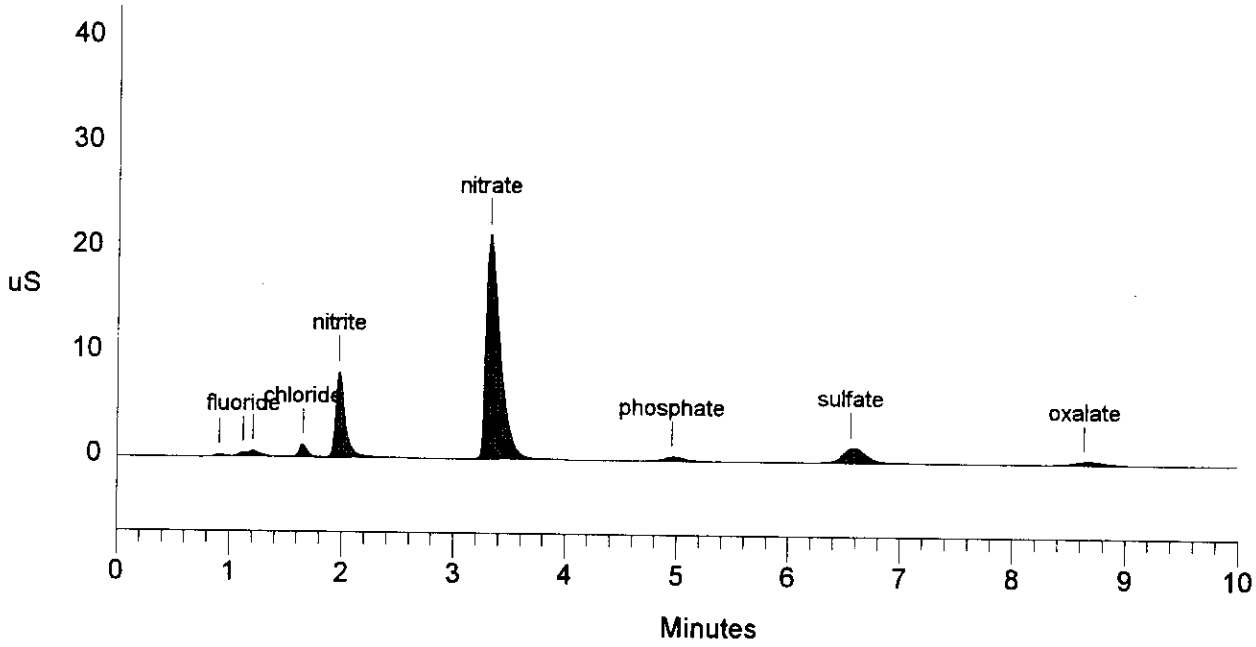
Sample Name: S96T001811 DUP	Date: 05/09/1996 16:03:56
Data File : C:\DX\DATA\96090871.d08	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	152	895	2	
2	1.12	fluoride	4.509	405	1707	2	5.00
3	1.21		0.000	589	4079	2	
4	1.65	chloride	18.166	1206	5934	1	0.00
5	1.97	nitrite	210.159	8171	48069	1	-1.99
6	3.32	nitrate	872.390	21294	186249	1	0.20
7	4.96	phosphate	48.720	379	4732	1	0.54
8	6.56	sulfate	83.795	1391	21353	1	0.82
9	8.64	oxalate	32.621	317	6299	1	1.25
		Totals	1270.361	33905	279318		

File: 96090871.d08 Sample: S96T001811 DUP



Data Reprocessed On 05/13/1996 09:44:14

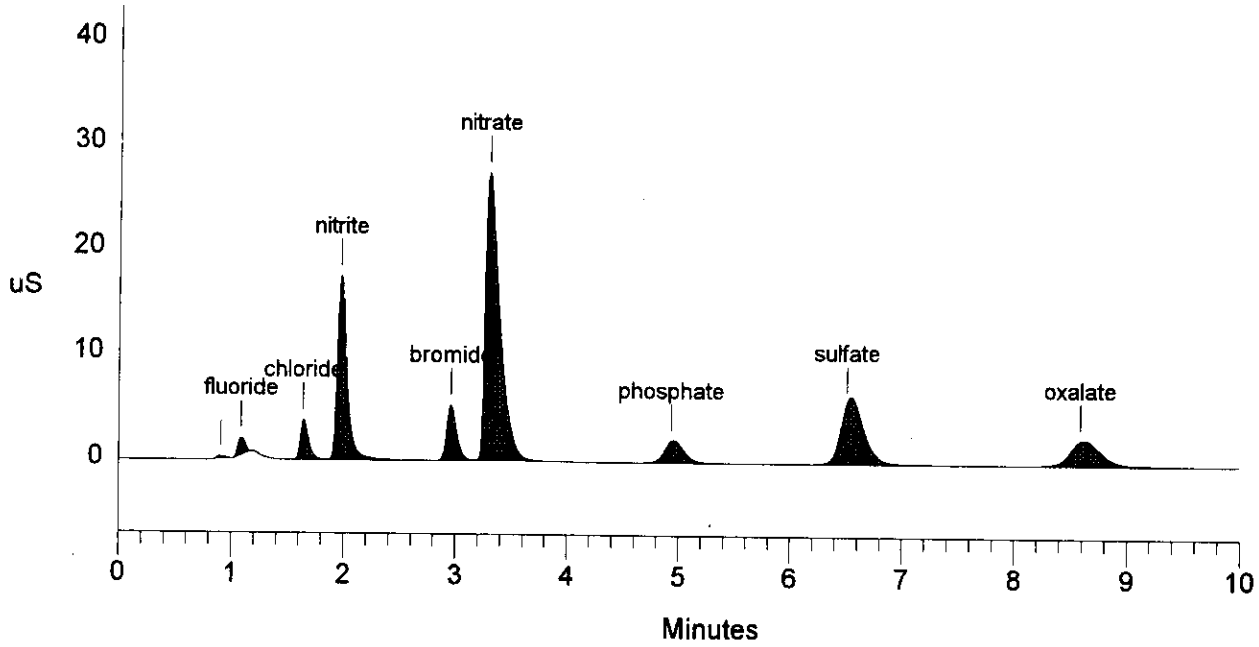
Sample Name: S96T001811 SPIKE	Date: 05/09/1996 16:16:56
Data File : C:\DX\DATA\96090871.d09	WMC-SD-WM-DP-182, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 9	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	222	1091	1	
2	1.09	fluoride	16.974	1663	7353	1	1.88
3	1.64	chloride	57.186	3814	19012	1	-0.81
4	1.97	nitrite	444.255	17394	103943	1	-1.99
5	2.96	bromide	212.109	5262	32506	1	0.00
6	3.30	nitrate	1118.759	27299	243501	1	-0.40
7	4.93	phosphate	261.548	2079	26403	1	0.00
8	6.51	sulfate	338.128	5735	89880	1	0.00
9	8.59	oxalate	226.604	2378	46788	1	0.63
		Totals	2675.564	65846	570476		

File: 96090871.d09 Sample: S96T001811 SPIKE



Data Reprocessed On 05/13/1996 09:44:16

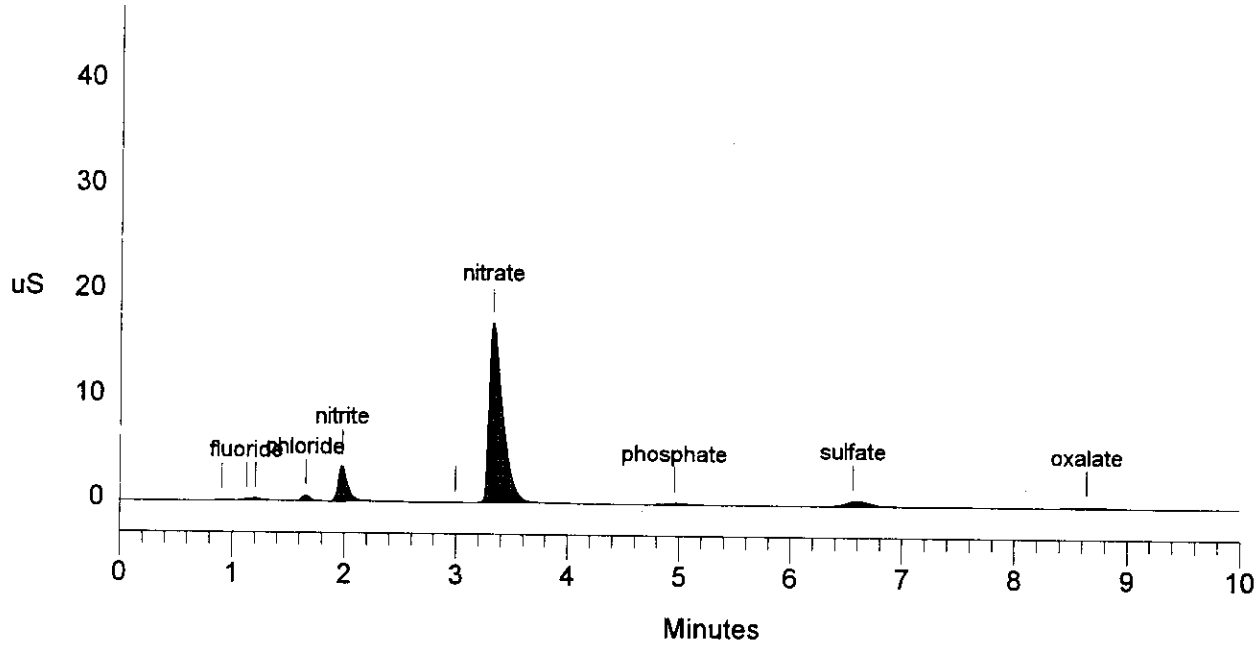
Sample Name: S96T001812 SAM	Date: 05/09/1996 16:32:08
Data File : C:\DX\DATA\96090871.d10	WTC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 10	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	95	565	1	
2	1.13	fluoride	5.292	154	650	2	5.63
3	1.21		0.000	232	1298	2	
4	1.65	chloride	20.426	546	2696	1	0.00
5	1.98	nitrite	225.588	3441	20300	1	-1.66
7	3.33	nitrate	1703.205	17142	145531	1	0.40
8	4.96	phosphate	46.880	135	1770	1	0.54
9	6.56	sulfate	80.173	482	7858	1	0.82
10	8.64	oxalate	32.062	114	2242	1	1.25
		Totals	2113.627	22339	182911		

File: 96090871.d10 Sample: S96T001812 SAM



Data Reprocessed On 05/13/1996 09:44:18

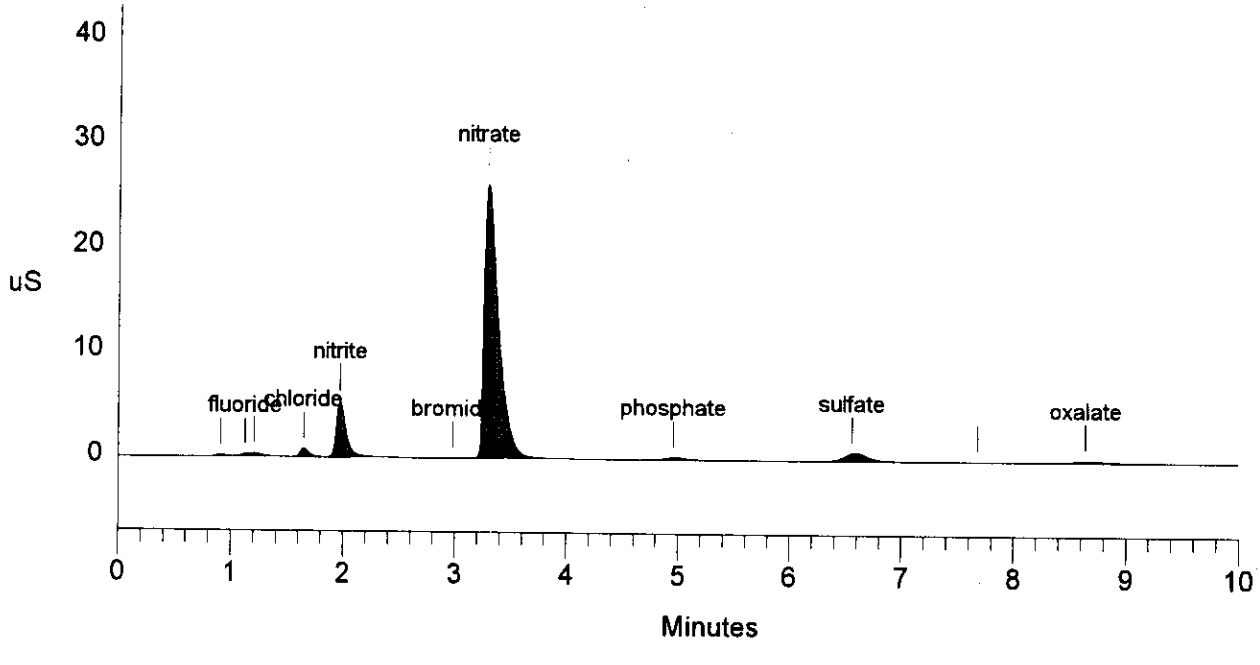
Sample Name: S96T001812 SAM	Date: 05/09/1996 16:53:44
Data File : C:\DX\DATA\96090871.d11	WHC-SD-WM-DP-182, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	67.67	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	137	799	2	
2	1.13	fluoride	4.265	232	845	2	5.63
3	1.21		0.000	352	2224	2	
4	1.65	chloride	21.278	817	4201	1	-0.40
5	1.97	nitrite	238.211	5351	32610	1	-1.99
6	2.98	bromide	7.870	27	147	1	0.68
7	3.29	nitrate	1760.257	26059	231172	1	-0.60
8	4.96	phosphate	45.133	208	2598	1	0.54
9	6.56	sulfate	81.201	762	12232	1	0.82
10	7.68		0.000	24	450	1	
11	8.64	oxalate	34.058	182	3818	1	1.25
		Totals	2192.273	34151	291096		

File: 96090871.d11 Sample: S96T001812 SAM



Data Reprocessed On 05/13/1996 09:44:20

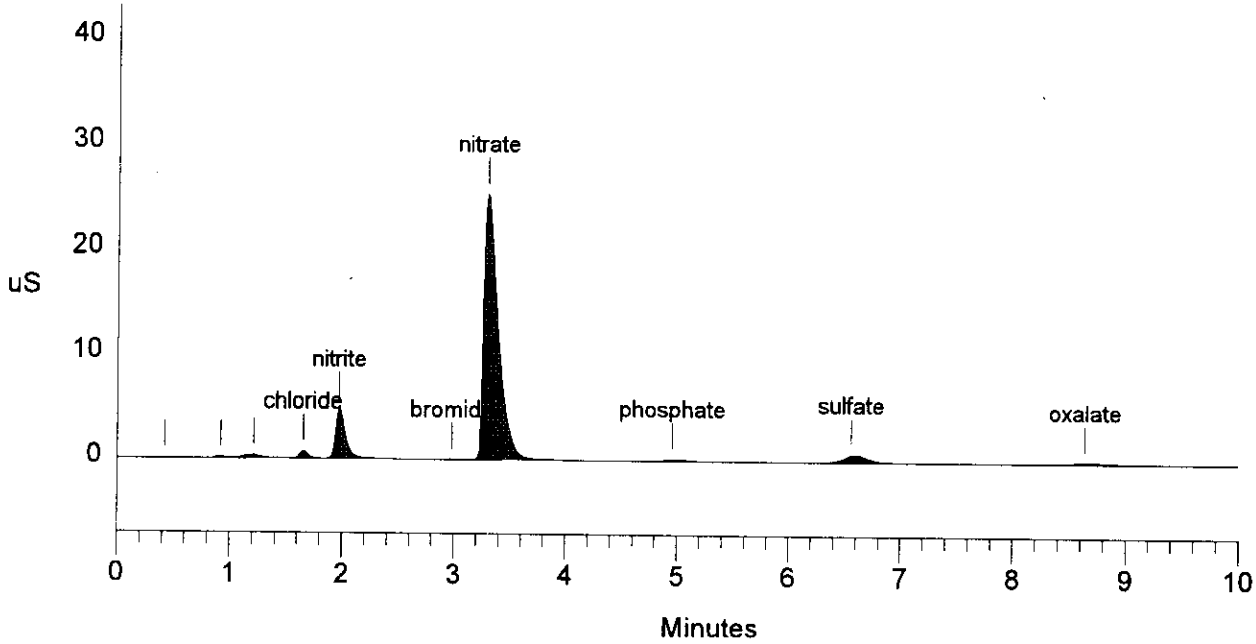
Sample Name: S96T001812 DUP Date: 05/09/1996 17:04:57
Data File : C:\DX\DATA\96090871.d12 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	67.67	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.42		0.000	20	229	1	
2	0.92		0.000	134	817	1	
3	1.21		0.000	313	2664	1	
4	1.65	chloride	18.287	730	3607	1	0.00
5	1.97	nitrite	210.666	4760	28708	1	-1.99
6	2.98	bromide	7.853	27	145	1	0.68
7	3.30	nitrate	1694.381	25220	221824	1	-0.40
8	4.96	phosphate	39.998	182	2288	1	0.54
9	6.56	sulfate	70.162	664	10474	1	0.82
10	8.64	oxalate	28.497	156	3121	1	1.25
		Totals	2069.843	32206	273878		

File: 96090871.d12 Sample: S96T001812 DUP



05/14/96 15:53
A-0004-1

LABCORE Data Entry Template for Worklist# 8390

Analyst: PJM **Instrument:** IC00 IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001813	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001813	0	W	@IC-01	SOLID		
6	SPK	S96T001813	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001814	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001814	0	W	@IC-01	SOLID		

Final page for worklist # 8390

Jan Lyn for Pat McCown 5/13/96
Analyst Signature **Date**

5/16/96

Analyst Signature **Date**

Exported ~~893~~ 8390 may.CSV JMF
Inshell 5/13/96 JMF
Uploaded 5/16/96 JM Fuge

Data Entry Comments: 9605121I. D12 → D20

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8390

Analyst: pjm **Instrument:** IC01 **Book#** 133N9F

Method: LA533105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	2.64e-01	0.264	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.57e+01	94.407	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.32e+01	92.658	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.35e+02	99.628	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.53e+02	96.174	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.18e+02	100.651	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.37e+02	98.352	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.26e+02	99.208	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.99e+02	98.035	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	2.70e-02	0.027	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	3.12e-01	0.312	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	F-02	SOLID	N/A	1.022e+03	105.900	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	CL-02	SOLID	N/A	4.640e+03	138.600	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	NO2-02	SOLID	N/A	5.286e+04	872.100	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	BR-02	SOLID	N/A <	1.027e+03	1027.000	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	NO3-02	SOLID	N/A	2.912e+05	1140.000	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	PO4-02	SOLID	N/A	6.376e+03	969.200	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	SO4-02	SOLID	N/A	1.243e+04	1108.000	ug/g
4	SAMPLE	S96T001813	W	0	@IC-01	OXALATE2	SOLID	N/A	5.826e+03	855.700	ug/g
5	DUP	S96T001813	W	0	@IC-01	F-02	SOLID	1.02e+03	<1.05e2		RPD
5	DUP	S96T001813	W	0	@IC-01	CL-02	SOLID	4.64e+03	5.09e+03	9.250	RPD
5	DUP	S96T001813	W	0	@IC-01	NO2-02	SOLID	5.29e+04	5.79e+04	9.025	RPD
5	DUP	S96T001813	W	0	@IC-01	BR-02	SOLID	<1.03e3	1.02e+03		RPD
5	DUP	S96T001813	W	0	@IC-01	NO3-02	SOLID	2.91e+05	3.37e+05	14.650	RPD
5	DUP	S96T001813	W	0	@IC-01	PO4-02	SOLID	6.38e+03	4.73e+03	29.703	RPD
5	DUP	S96T001813	W	0	@IC-01	SO4-02	SOLID	1.24e+04	1.35e+04	8.494	RPD
5	DUP	S96T001813	W	0	@IC-01	OXALATE2	SOLID	5.83e+03	6.34e+03	8.381	RPD
6	SPK	S96T001813	W	0	@IC-01	F-02	SOLID	5.90e01	2.42e+01	41.017	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8390

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001813	0	W	@IC-01	CL-02	SOLID	7.90e01		7.12e+01	90.127	% Recovery
6	SPK	S96T001813	0	W	@IC-01	NO2-02	SOLID	5.37e02		5.52e+02	102.793	% Recovery
6	SPK	S96T001813	0	W	@IC-01	BR-02	SOLID	5.75e02		5.42e+02	94.261	% Recovery
6	SPK	S96T001813	0	W	@IC-01	NO3-02	SOLID	6.14e02		5.57e+02	90.717	% Recovery
6	SPK	S96T001813	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.33e+02	97.619	% Recovery
6	SPK	S96T001813	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.15e+02	97.464	% Recovery
6	SPK	S96T001813	0	W	@IC-01	OXALATE2	SOLID	5.09e02		4.96e+02	97.446	% Recovery
7	SAMPLE	S96T001814	0	W	@IC-01	F-02	SOLID	N/A		1.051e+03	97.090	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	CL-02	SOLID	N/A		4.872e+03	127.000	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	NO2-02	SOLID	N/A		5.485e+04	799.100	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	BR-02	SOLID	N/A	<	9.412e+02	941.400	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	NO3-02	SOLID	N/A		3.058e+05	1045.000	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	PO4-02	SOLID	N/A		7.119e+03	888.100	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	SO4-02	SOLID	N/A		1.099e+04	1015.000	ug/g
7	SAMPLE	S96T001814	0	W	@IC-01	OXALATE2	SOLID	N/A		5.348e+03	784.300	ug/g
8	DUP	S96T001814	0	W	@IC-01	F-02	SOLID	1.05e+03		<9.91e1		RPD
8	DUP	S96T001814	0	W	@IC-01	CL-02	SOLID	4.87e+03		4.81e+03	1.240	RPD
8	DUP	S96T001814	0	W	@IC-01	NO2-02	SOLID	5.48e+04		5.44e+04	0.733	RPD
8	DUP	S96T001814	0	W	@IC-01	BR-02	SOLID	<9.41e2		<9.61e2		RPD
8	DUP	S96T001814	0	W	@IC-01	NO3-02	SOLID	3.06e+05		3.07e+05	0.326	RPD
8	DUP	S96T001814	0	W	@IC-01	PO4-02	SOLID	7.12e+03		4.12e+03	53.381	RPD
8	DUP	S96T001814	0	W	@IC-01	SO4-02	SOLID	1.10e+04		1.07e+04	2.765	RPD
8	DUP	S96T001814	0	W	@IC-01	OXALATE2	SOLID	5.35e+03		5.55e+03	3.670	RPD

Comments Section:

Comments for sample# S96T001813 **and test** @IC-01 .
Matrix interference on F from organic acids causing poor spk

Final page for worklist# 8390

Analyst Signature **Date** **Analyst Signature** **Date**

HAnastos 5-21-96
Reviewer Signature **Date**

Validated by HAnastos 7-12-96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 16-May-96

Worklist#: 8390

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001813
=>	5	DUP	S96T001813
=>	6	SPK	S96T001813
=>	7	SAMPLE	S96T001814
=>	8	DUP	S96T001814

Data File: 8390MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051211.d12	CCB	1.00
2	96051211.d13	133N9F CCV	101.00
3	96051211.d14	PREP BLK	1.00
	96051211.d15	S96T001813 SAMPL	51.00
4	96051211.d16	S96T001813 SAMPL	41.00
5	96051211.d17	S96T001813 DUPLI	41.00
6	96051211.d18	S96T001813 SPIKE	41.00
7	96051211.d19	S96T001814 SAMPL	41.00
8	96051211.d20	S96T001814 DUPLI	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/13/1996 09:06:24

Sample Name: CCB Date: 05/13/1996 02:29:40
Data File : C:\DX\DATA\96051211.d12
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 12 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

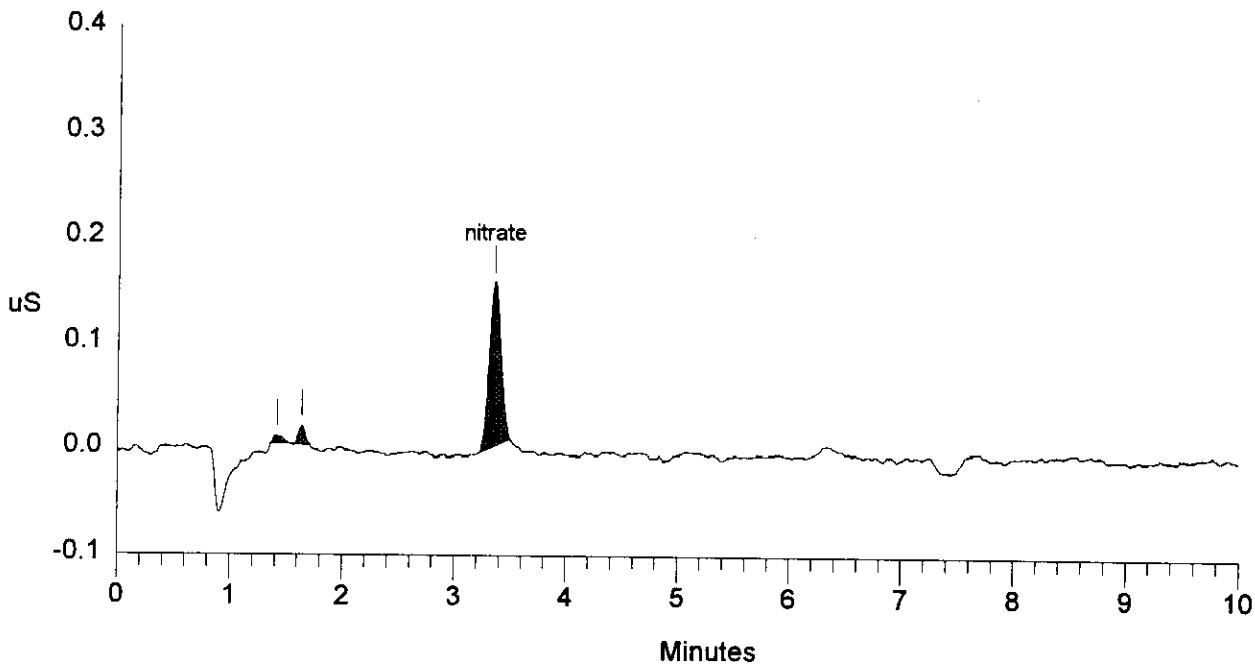
JAnastos for PJM'Cown 5.21.96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.35	nitrate	0.264	155	1118	1	1.21
		Totals	0.264	155	1118		

File: 96051211.d12 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 685 TO 693.

Data Reprocessed On 05/13/1996 09:06:27

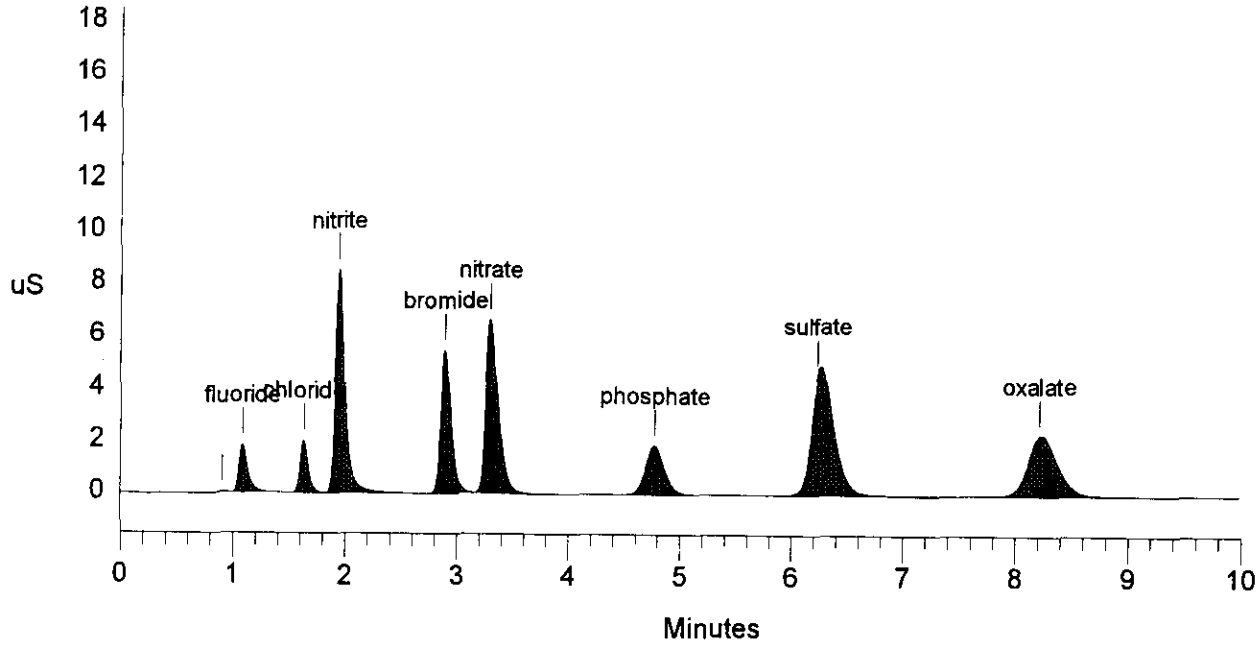
Sample Name: 133N9F CCV Date: 05/13/1996 02:42:18
Data File : C:\DX\DATA\96051211.d13
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 13 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	47	216	1	
2	1.09	fluoride	55.733	1834	9951	1	1.88
3	1.63	chloride	73.152	2001	9750	1	-1.21
4	1.95	nitrite	534.558	8480	49681	1	-3.31
5	2.89	bromide	553.425	5425	34500	1	-2.25
6	3.30	nitrate	618.137	6573	50624	1	-0.40
7	4.77	phosphate	537.486	1876	21923	1	-3.24
8	6.24	sulfate	625.956	4525	66944	1	-4.10
9	8.21	oxalate	499.279	2275	41759	1	-3.75
		Totals	3497.725	33037	285349		

File: 96051211.d13 Sample: 133N9F CCV



Data Reprocessed On 05/13/1996 09:06:29

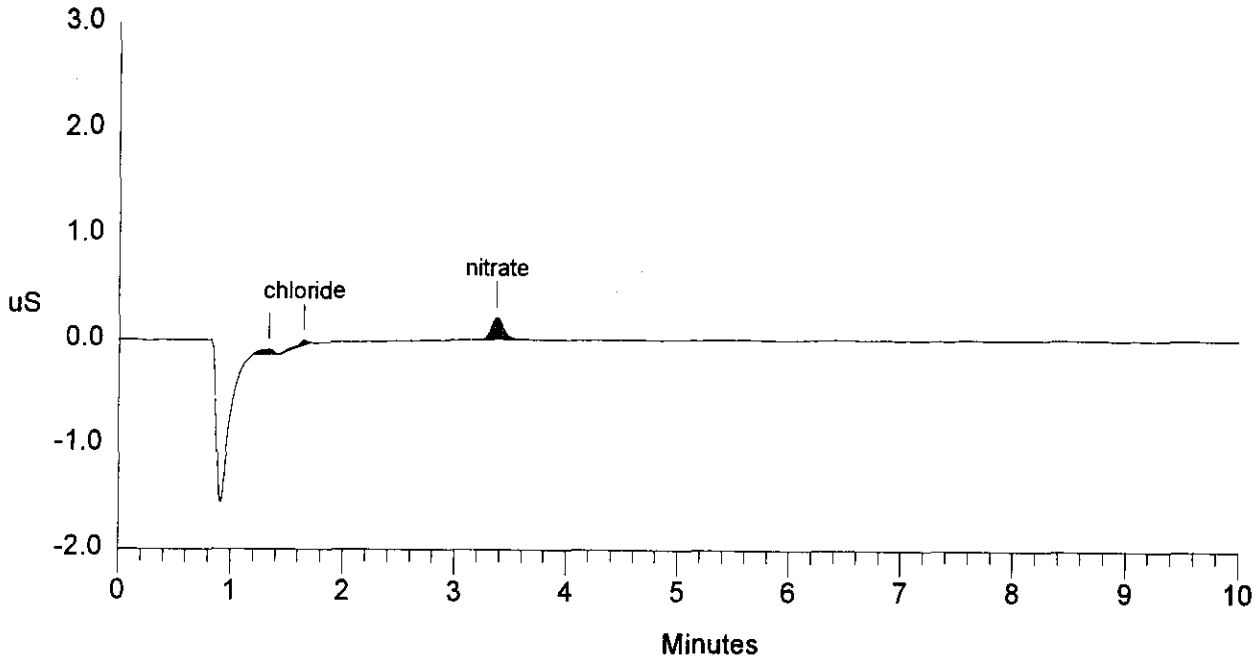
Sample Name: PREP BLK Date: 05/13/1996 02:59:53
Data File : C:\DX\DATA\96051211.d14
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 14 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.34		0.000	43	357	1	
2	1.65	chloride	0.027	50	360	1	-0.40
3	3.37	nitrate	0.312	207	1518	1	1.81
		Totals	0.339	300	2235		

File: 96051211.d14 Sample: PREP BLK



Data Reprocessed On 05/13/1996 09:06:31 Not used

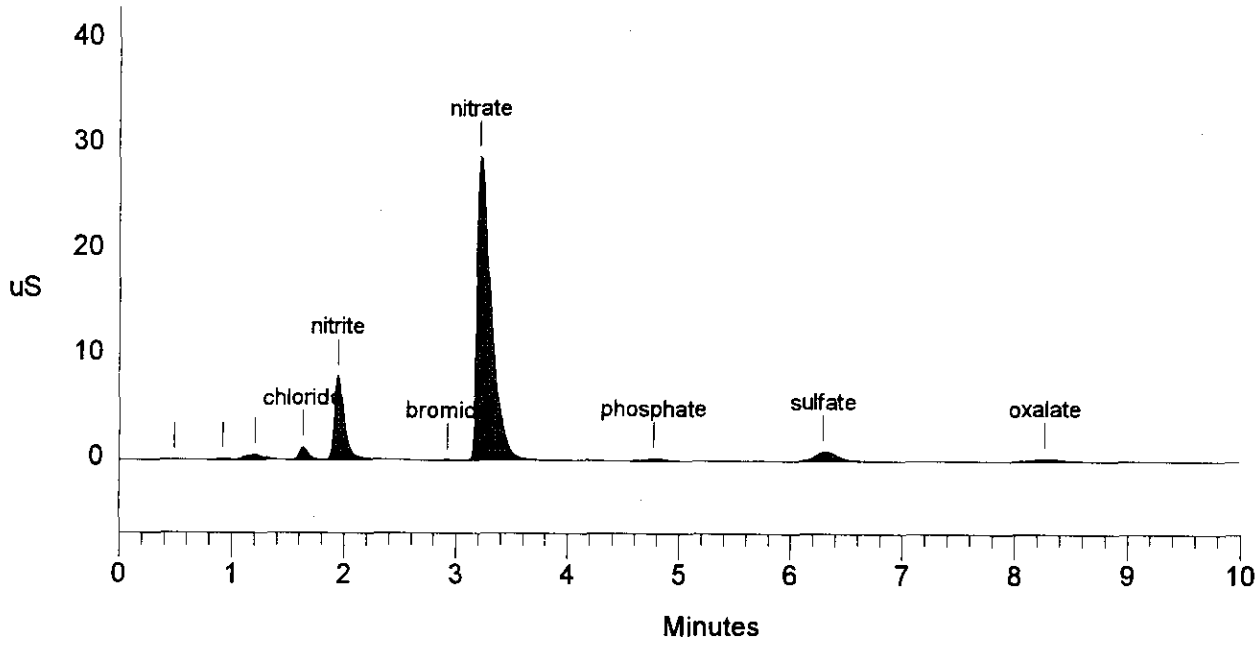
Sample Name: S96T001813 SAMPLE Date: 05/13/1996 03:10:47
Data File : C:\DX\DATA\96051211.d15
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 15 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.49		0.000	22	243	1	
2	0.92		0.000	110	625	2	
3	1.21		0.000	559	5537	2	
4	1.63	chloride	23.903	1203	6280	1	-1.21
5	1.95	nitrite	265.117	7975	48770	1	-3.31
6	2.93	bromide	5.777	24	128	1	-1.13
7	3.22	nitrate	1449.292	28655	254526	1	-2.82
8	4.77	phosphate	29.485	184	2236	1	-3.24
9	6.29	sulfate	61.588	840	12315	1	-3.28
10	8.27	oxalate	29.696	242	4488	1	-3.13
		Totals	1864.859	39813	335147		

File: 96051211.d15 Sample: S96T001813 SAMPLE



Data Reprocessed On 05/13/1996 09:06:33

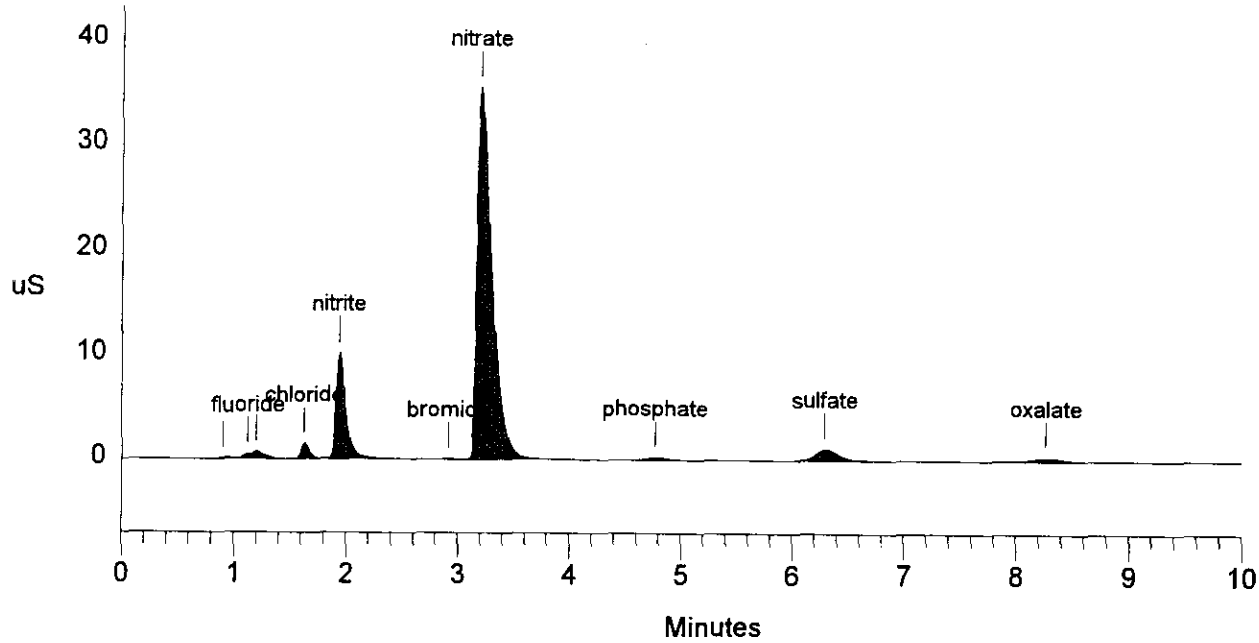
Sample Name: S96T001813 SAMPLE Date: 05/13/1996 03:27:38
Data File : C:\DX\DATA\96051211.d16
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 16 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	150	877	2	
2	1.13	fluoride	5.139	476	1990	2	5.63
3	1.20		0.000	706	4916	2	
4	1.63	chloride	23.339	1489	7641	1	-1.61
5	1.94	nitrite	265.877	10103	61238	1	-3.64
6	2.92	bromide	5.145	34	204	1	-1.35
7	3.20	nitrate	1464.899	35292	327960	1	-3.42
8	4.77	phosphate	32.071	245	3070	1	-3.24
9	6.29	sulfate	62.513	1091	15737	1	-3.28
10	8.27	oxalate	29.306	308	5613	1	-3.13
		Totals	1888.290	49894	429247		

File: 96051211.d16 Sample: S96T001813 SAMPLE



Data Reprocessed On 05/13/1996 09:06:35

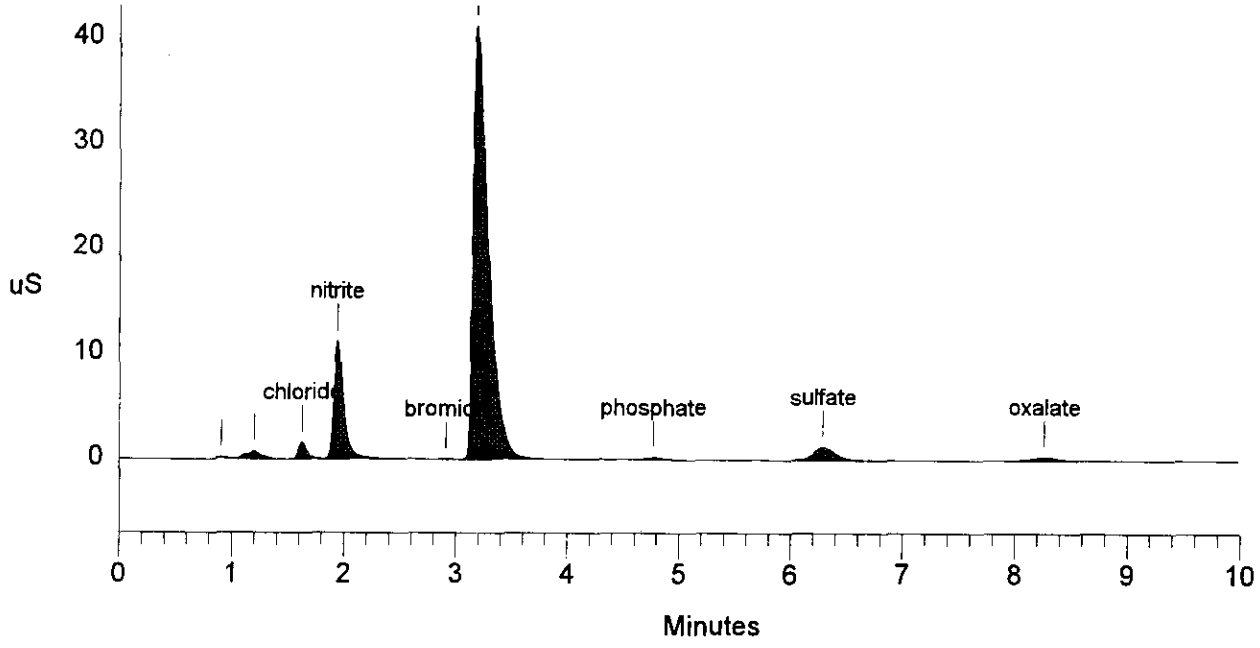
Sample Name: S96T001813 DUPLICATE Date: 05/13/1996 03:38:27
Data File : C:\DX\DATA\96051211.d17
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 17 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	184	1097	2	
2	1.20		0.000	771	7374	2	
3	1.63	chloride	25.917	1624	8495	1	-1.61
4	1.94	nitrite	295.275	11145	68218	1	-3.64
5	2.91	bromide	5.176	36	209	1	-1.58
6	3.19	nitrate	1715.611	41049	392531	1	-3.82
7	4.77	phosphate	24.090	197	2274	1	-3.24
8	6.29	sulfate	69.032	1201	17456	1	-3.28
9	8.27	oxalate	32.302	340	6233	1	-3.13
		Totals	2167.404	56546	503889		

File: 96051211.d17 Sample: S96T001813 DUPLICATE



Data Reprocessed On 05/13/1996 09:06:37

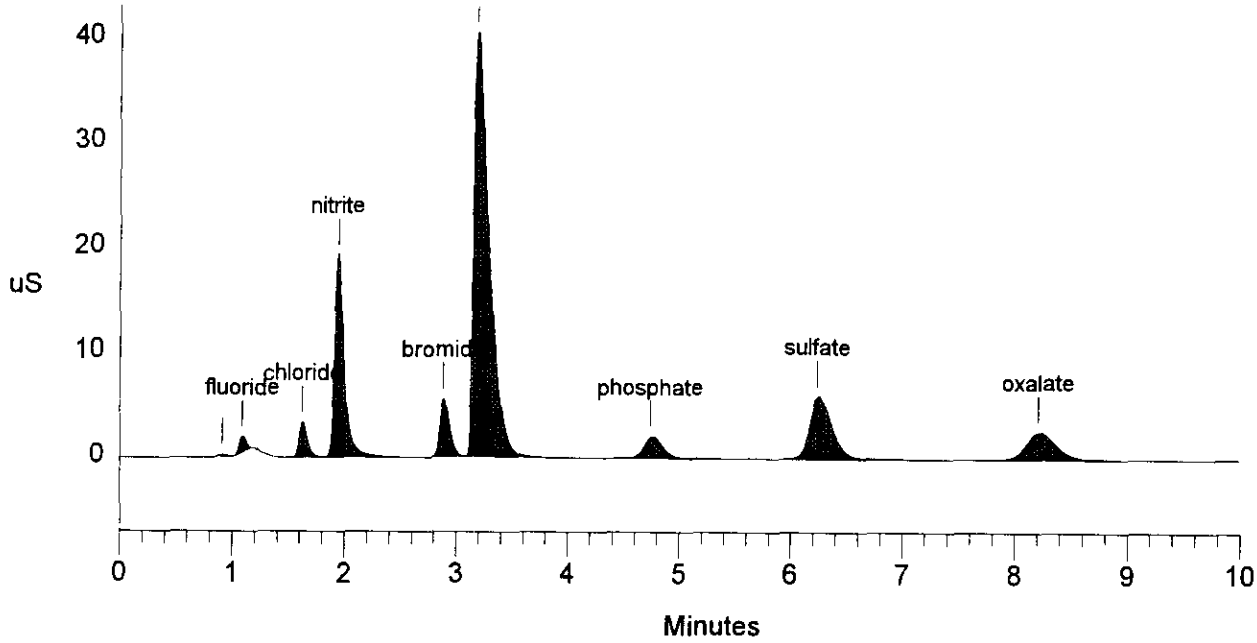
Sample Name: S96T001813 SPIKE	Date: 05/13/1996 03:49:14
Data File : C:\DX\DATA\96051211.d18	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 18	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	193	975	1	
2	1.09	fluoride	14.834	1501	6375	1	2.50
3	1.63	chloride	51.822	3399	17186	1	-1.61
4	1.94	nitrite	486.793	19191	114254	1	-3.64
5	2.89	bromide	216.664	5510	33229	1	-2.48
6	3.19	nitrate	1687.587	40360	385156	1	-3.82
7	4.75	phosphate	245.182	2043	24708	1	-3.78
8	6.24	sulfate	308.608	5888	81788	1	-4.10
9	8.21	oxalate	227.833	2606	47046	1	-3.75
		Totals	3239.321	80691	710717		

File: 96051211.d18 Sample: S96T001813 SPIKE



Data Reprocessed On 05/13/1996 09:06:39

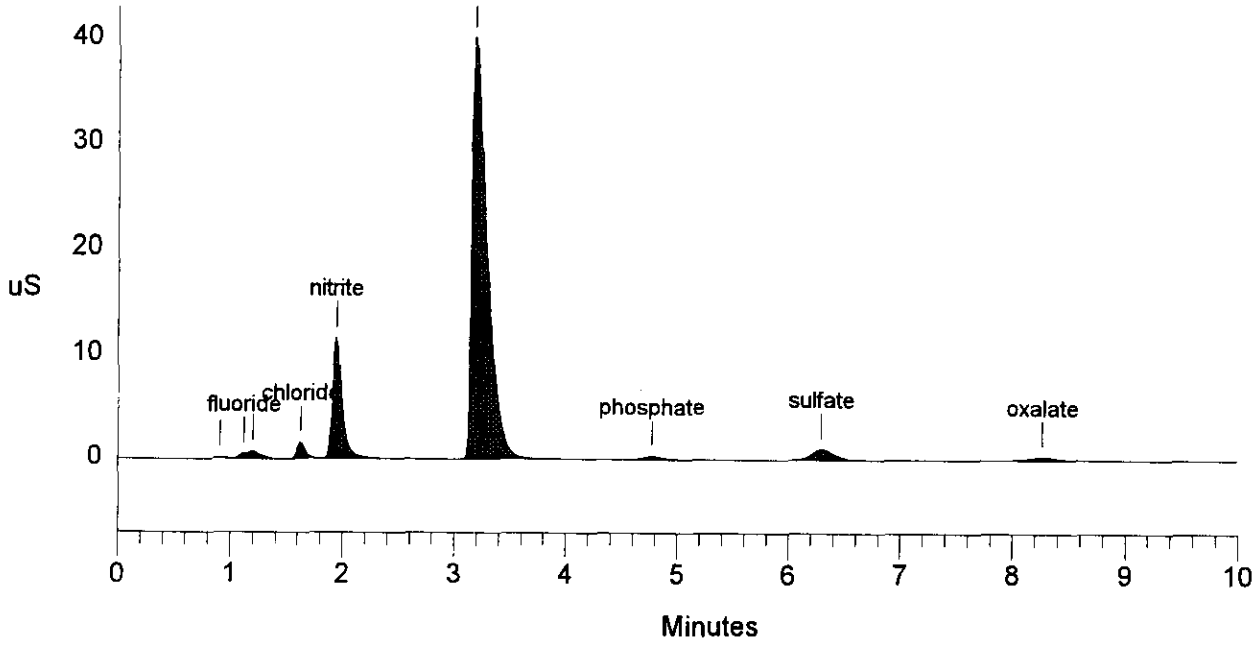
Sample Name: S96T001814 SAMPLE Date: 05/13/1996 04:00:32
Data File : C:\DX\DATA\96051211.d19
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 19 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	175	1014	2	
2	1.12	fluoride	5.771	572	2273	2	5.00
3	1.20		0.000	811	5901	2	
4	1.63	chloride	26.744	1646	8769	1	-1.61
5	1.95	nitrite	301.055	11597	69594	1	-3.31
6	3.19	nitrate	1678.667	40029	382818	1	-3.82
7	4.77	phosphate	39.074	304	3768	1	-3.24
8	6.29	sulfate	60.320	1023	15159	1	-3.28
9	8.27	oxalate	29.353	311	5623	1	-3.13
		Totals	2140.983	56468	494919		

File: 96051211.d19 Sample: S96T001814 SAMPLE



Data Reprocessed On 05/13/1996 09:06:42

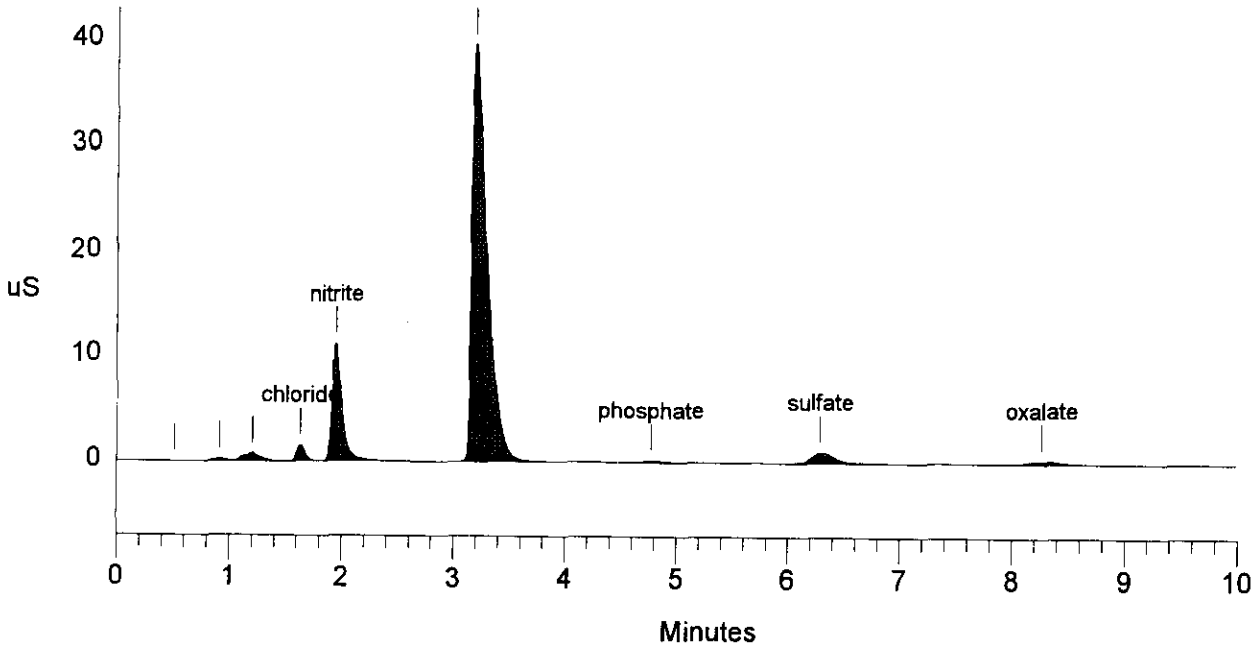
Sample Name: S96T001814 DUPLICATE Date: 05/13/1996 04:11:19
Data File : C:\DX\DATA\96051211.d20
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 20 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.51		0.000	21	177	1	
2	0.91		0.000	190	1178	2	
3	1.21		0.000	762	7314	2	
4	1.63	chloride	25.835	1584	8468	1	-1.21
5	1.95	nitrite	292.580	11222	67578	1	-2.98
6	3.19	nitrate	1651.047	39507	375602	1	-3.62
7	4.77	phosphate	22.169	166	2083	1	-3.24
8	6.29	sulfate	57.744	1009	14481	1	-3.28
9	8.27	oxalate	29.856	309	5727	1	-3.13
		Totals	2079.230	54770	482607		

File: 96051211.d20 Sample: S96T001814 DUPLICATE



05/21/96 06:56
A-0004-1

LABCORE Data Entry Template for Worklist# 8393

Analyst: PJM **Instrument:** IC00 IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001815	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001815	0	W	@IC-01	SOLID		
6	SPK	S96T001815	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001816	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001816	0	W	@IC-01	SOLID		

Final page for worklist # 8393

Not Tested for PJM 5/12/96
Analyst Signature **Date**

Analyst Signature **Date**

In Trell 5/13/96 JMF
Uploaded 5/21/96 NDS

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8393

Analyst: pjm **Instrument:** IC01 **Book#** 33N9-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		2.36e-01	0.236	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.84e+01	98.983	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.30e+01	92.405	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02		5.31e+02	98.883	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.51e+02	95.826	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		6.10e+02	99.349	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.40e+02	98.901	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.13e+02	97.147	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02		4.95e+02	97.250	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		2.67e-01	0.267	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	F-02	SOLID	N/A	<	1.138e+02	113.800	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	CL-02	SOLID	N/A		4.619e+03	148.800	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	NO2-02	SOLID	N/A		5.338e+04	936.900	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	BR-02	SOLID	N/A	<	1.103e+03	1103.000	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	NO3-02	SOLID	N/A		3.007e+05	1225.000	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	PO4-02	SOLID	N/A		4.953e+03	1041.000	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	SO4-02	SOLID	N/A		1.243e+04	1190.000	ug/g
4	SAMPLE	S96T001815	W	0	@IC-01	OXALATE2	SOLID	N/A		7.953e+03	919.000	ug/g
5	DUP	S96T001815	W	0	@IC-01	F-02	SOLID	<1.14e2		1.00e+03		RPD
5	DUP	S96T001815	W	0	@IC-01	CL-02	SOLID	4.62e+03		6.08e+03	27.290	RPD
5	DUP	S96T001815	W	0	@IC-01	NO2-02	SOLID	5.34e+04		5.69e+04	6.346	RPD
5	DUP	S96T001815	W	0	@IC-01	BR-02	SOLID	<1.10e3		<1.11e3		RPD
5	DUP	S96T001815	W	0	@IC-01	NO3-02	SOLID	3.01e+05		2.73e+05	9.756	RPD
5	DUP	S96T001815	W	0	@IC-01	PO4-02	SOLID	4.95e+03		6.11e+03	20.976	RPD
5	DUP	S96T001815	W	0	@IC-01	SO4-02	SOLID	1.24e+04		1.25e+04	0.803	RPD
5	DUP	S96T001815	W	0	@IC-01	OXALATE2	SOLID	7.95e+03		7.18e+03	10.178	RPD
6	SPK	S96T001815	W	0	@IC-01	F-02	SOLID	5.90e01		8.80e+01	149.153	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8393

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001815	0	W	@IC-01	CL-02	SOLID	7.90e01		7.26e+01	92.152	% Recovery
6	SPK	S96T001815	0	W	@IC-01	NO2-02	SOLID	5.37e02		5.77e+02	107.449	% Recovery
6	SPK	S96T001815	0	W	@IC-01	BR-02	SOLID	5.75e02		5.45e+02	94.783	% Recovery
6	SPK	S96T001815	0	W	@IC-01	NO3-02	SOLID	6.14e02		6.78e+02	110.423	% Recovery
6	SPK	S96T001815	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.44e+02	99.634	% Recovery
6	SPK	S96T001815	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.34e+02	100.475	% Recovery
6	SPK	S96T001815	0	W	@IC-01	OXALATE2	SOLID	5.09e02		4.99e+02	98.035	% Recovery
7	SAMPLE	S96T001816	0	W	@IC-01	F-02	SOLID	N/A		7.784e+02	105.900	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	CL-02	SOLID	N/A		3.492e+03	138.500	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	NO2-02	SOLID	N/A		4.098e+04	871.700	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	BR-02	SOLID	N/A	<	1.027e+03	1027.000	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	NO3-02	SOLID	N/A		4.207e+05	1140.000	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	PO4-02	SOLID	N/A		4.712e+03	968.800	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	SO4-02	SOLID	N/A		7.765e+03	1107.000	ug/g
7	SAMPLE	S96T001816	0	W	@IC-01	OXALATE2	SOLID	N/A		6.023e+03	855.700	ug/g
8	DUP	S96T001816	0	W	@IC-01	F-02	SOLID	7.78e+02		8.10e+02	4.030	RPD
8	DUP	S96T001816	0	W	@IC-01	CL-02	SOLID	3.49e+03		3.37e+03	3.499	RPD
8	DUP	S96T001816	0	W	@IC-01	NO2-02	SOLID	4.10e+04		3.98e+04	2.970	RPD
8	DUP	S96T001816	0	W	@IC-01	BR-02	SOLID	<1.03e3		<1.01e3		RPD
8	DUP	S96T001816	0	W	@IC-01	NO3-02	SOLID	4.21e+05		3.99e+05	5.366	RPD
8	DUP	S96T001816	0	W	@IC-01	PO4-02	SOLID	4.71e+03		5.58e+03	16.910	RPD
8	DUP	S96T001816	0	W	@IC-01	SO4-02	SOLID	7.76e+03		7.98e+03	2.795	RPD
8	DUP	S96T001816	0	W	@IC-01	OXALATE2	SOLID	6.02e+03		5.57e+03	7.765	RPD

Final page for worklist# 8393

Analyst Signature Date

Analyst Signature Date

Joel Smith 5/21/96
Reviewer Signature Date

Validated 5/21/96 MDS

Units shown for QC (BLK/BKG) may not reflect the actual units.

Data Reprocessed On 05/13/1996 09:13:18

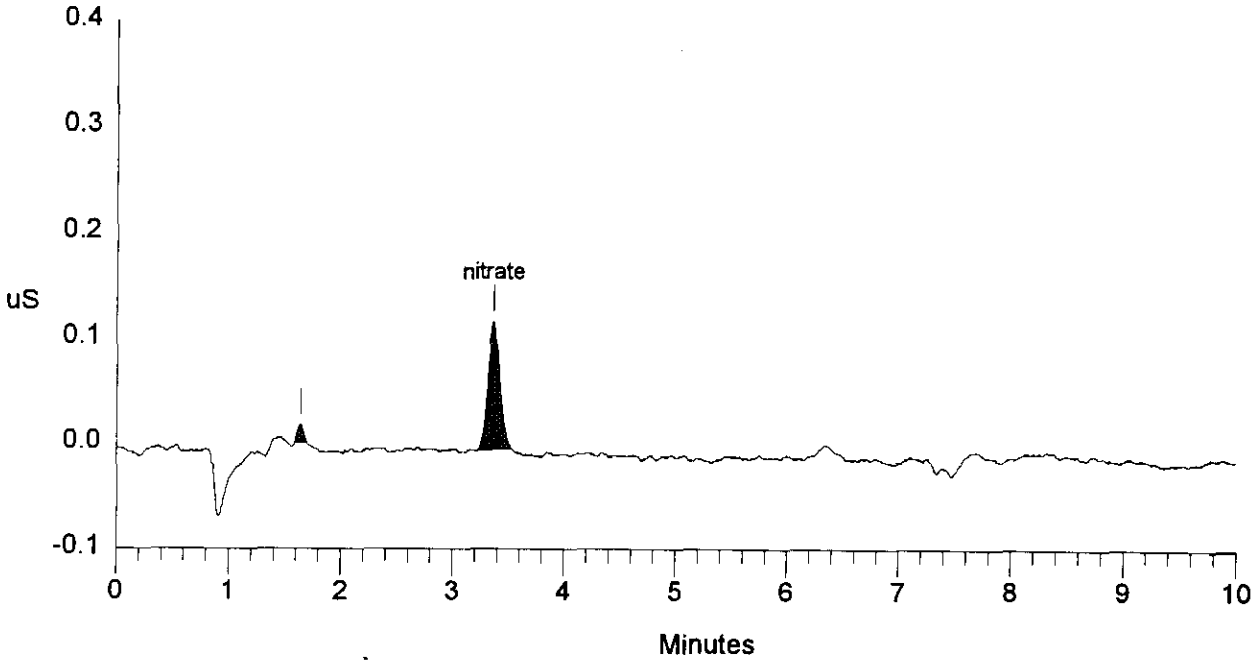
Sample Name: CCB Date: 05/12/1996 22:57:35
Data File : C:\DX\DATA\96051211.d03 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.37	nitrate	0.236	121	881	1	1.61
		Totals	0.236	121	881		

File: 96051211.d03 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 697 TO 705.

Data Reprocessed On 05/13/1996 09:13:22

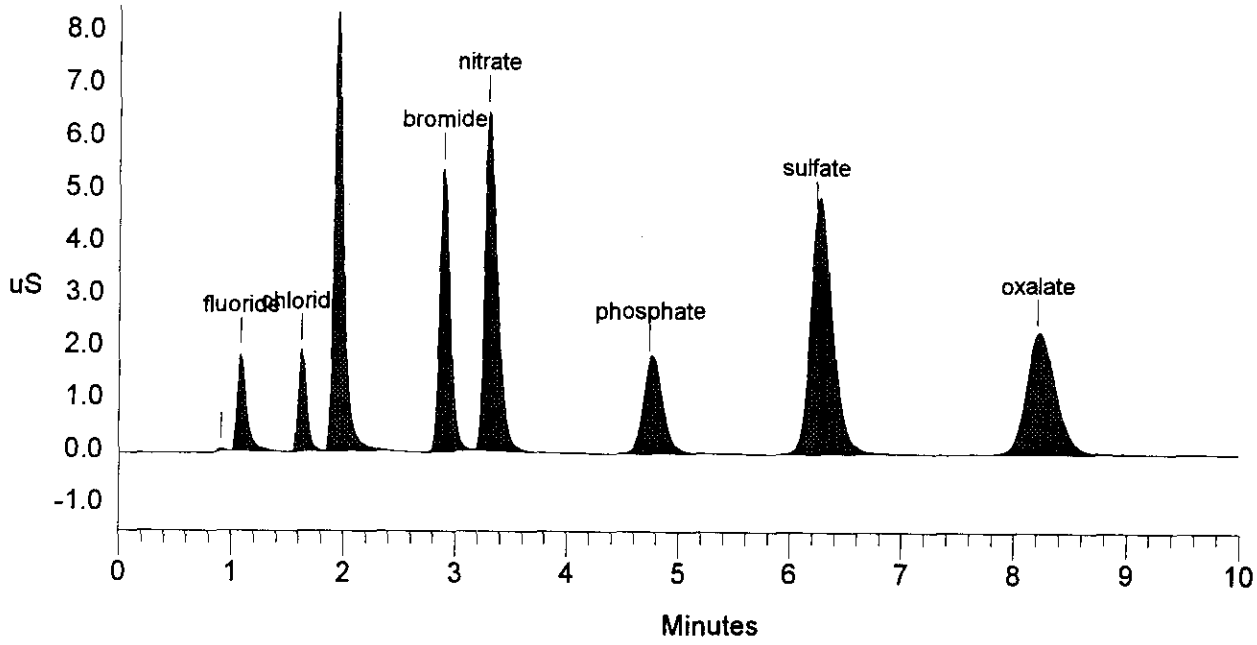
Sample Name: 133N9F CCV Date: 05/12/1996 23:30:50
Data File : C:\DX\DATA\96051211.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	41	187	2	
2	1.09	fluoride	58.388	1847	10449	2	1.88
3	1.63	chloride	72.980	1912	9727	1	-1.61
4	1.95	nitrite	531.217	8347	49361	1	-3.31
5	2.89	bromide	550.759	5371	34328	1	-2.25
6	3.30	nitrate	609.688	6436	49906	1	-0.40
7	4.75	phosphate	539.769	1762	22019	1	-3.78
8	6.24	sulfate	613.446	4490	65567	1	-4.10
9	8.21	oxalate	495.474	2258	41435	1	-3.75
		Totals	3471.722	32464	282980		

File: 96051211.d06 Sample: 133N9F CCV



Data Reprocessed On 05/13/1996 09:13:20

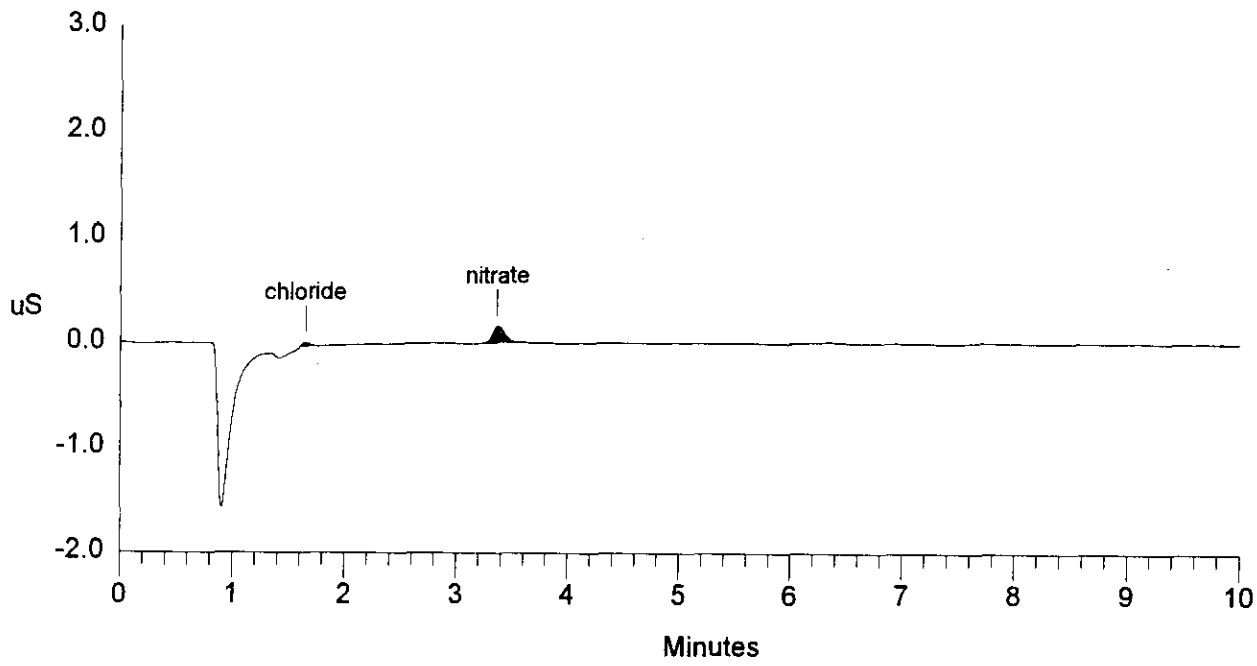
Sample Name: PREP BLK	Date: 05/12/1996 23:19:59
Data File : C:\DX\DATA\96051211.d05	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.65	chloride	0.009	35	122	1	-0.40
2	3.37	nitrate	0.267	161	1144	1	1.61
		Totals	0.276	196	1266		

File: 96051211.d05 Sample: PREP BLK



Data Reprocessed On 05/13/1996 09:13:24

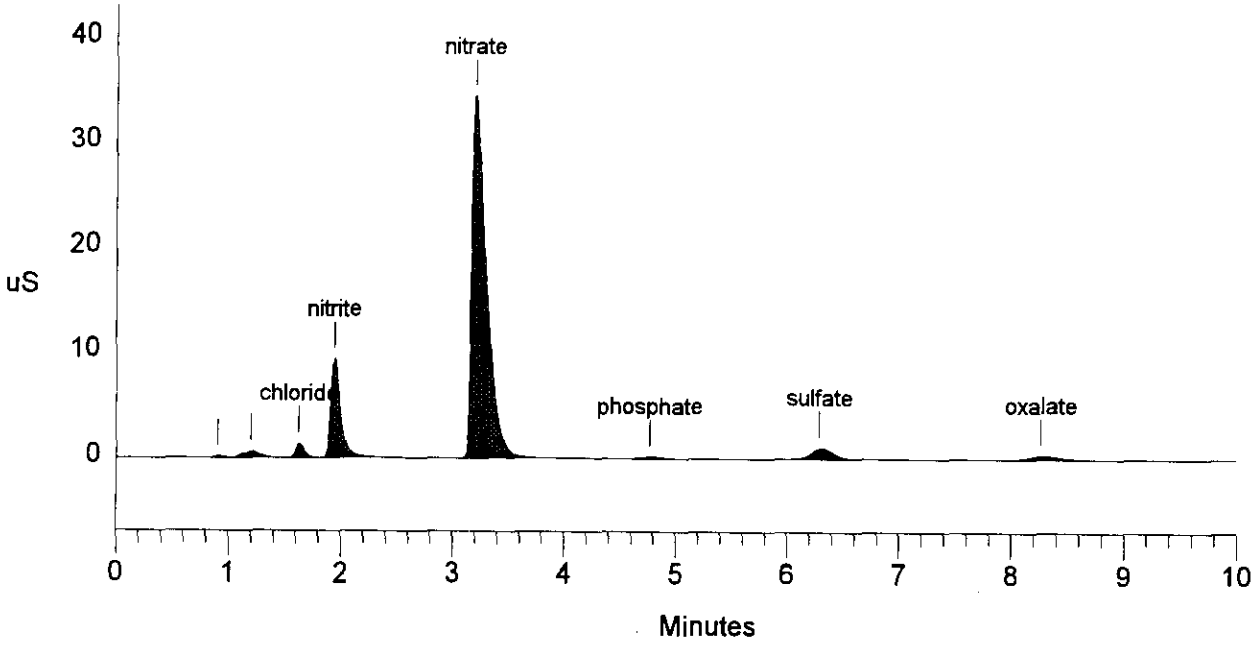
Sample Name: S96T001815 SAMPLE Date: 05/12/1996 23:51:56
Data File : C:\DX\DATA\96051211.d07
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	153	937	2	
2	1.20		0.000	661	6383	2	
3	1.63	chloride	26.908	1346	7077	1	-1.61
4	1.95	nitrite	310.966	9366	57475	1	-3.31
5	3.20	nitrate	1751.586	34338	313758	1	-3.42
6	4.77	phosphate	28.856	180	2185	1	-3.24
7	6.29	sulfate	72.444	1030	14611	1	-3.28
8	8.27	oxalate	46.334	381	7258	1	-3.13
		Totals	2237.094	47455	409685		

File: 96051211.d07 Sample: S96T001815 SAMPLE



Data Reprocessed On 05/13/1996 09:13:26

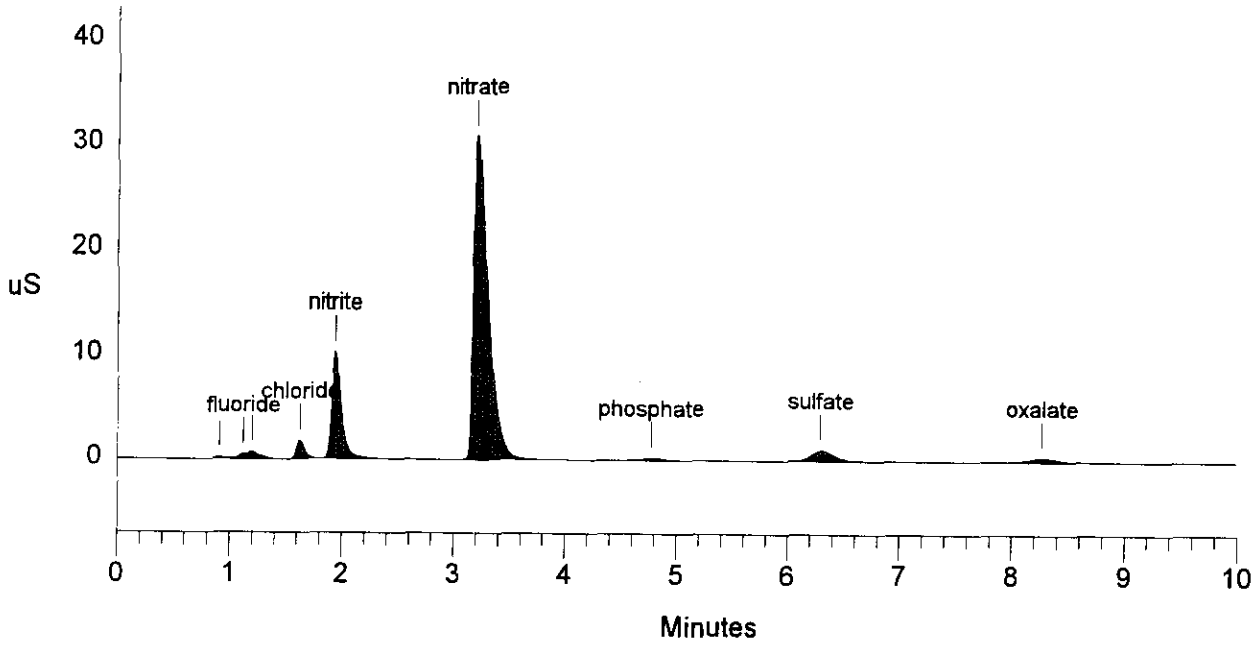
Sample Name: S96T001815 DUPLICATE	Date: 05/13/1996 00:03:10
Data File : C:\DX\DATA\96051211.d08	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	142	861	2	
2	1.12	fluoride	5.795	473	1774	2	5.00
3	1.20		0.000	723	5230	2	
4	1.63	chloride	35.147	1838	9271	1	-1.61
5	1.94	nitrite	328.895	10337	60889	1	-3.64
6	3.21	nitrate	1575.949	30674	279044	1	-3.22
7	4.77	phosphate	35.333	224	2704	1	-3.24
8	6.29	sulfate	72.086	1032	14536	1	-3.28
9	8.27	oxalate	41.516	357	6456	1	-3.13
		Totals	2094.721	45800	380765		

File: 96051211.d08 Sample: S96T001815 DUPLICATE



Data Reprocessed On 05/13/1996 09:13:28

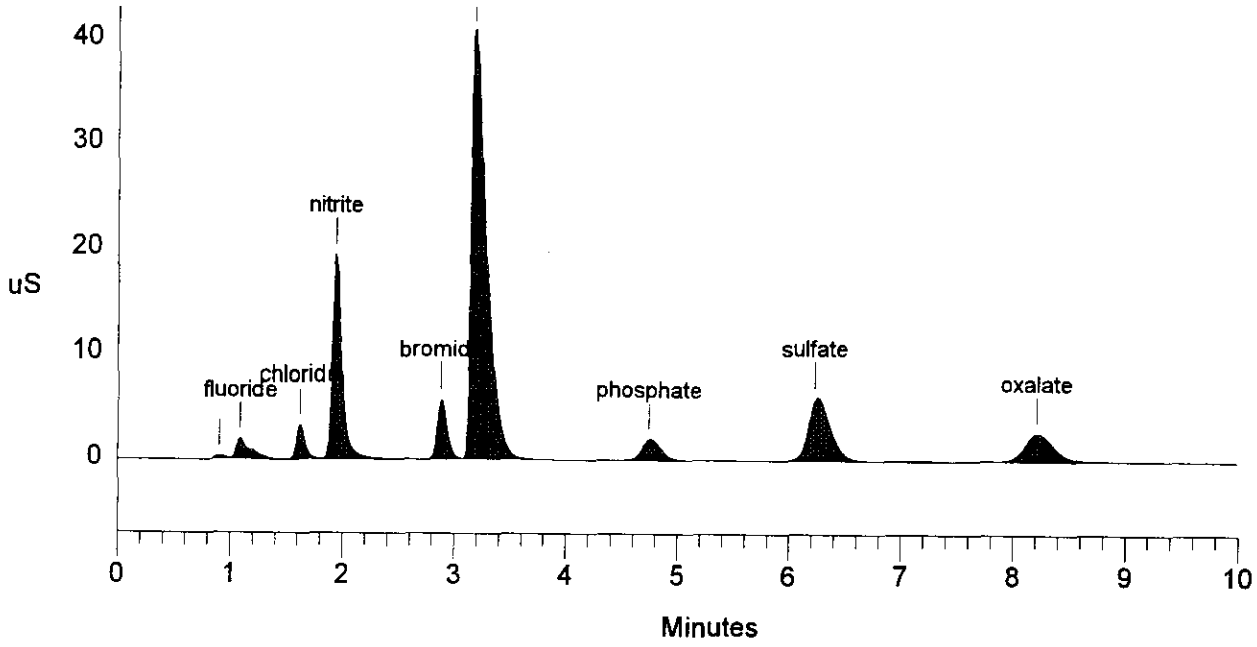
Sample Name: S96T001815 SPIKE	Date 05/13/1996 01:49:26
Data File : C:\DX\DATA\96051211.d09	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 9	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	232	1296	2	
2	1.09	fluoride	44.018	1924	15912	2	1.88
3	1.62	chloride	63.325	3337	16876	1	-2.02
4	1.94	nitrite	599.354	19363	113049	1	-3.64
5	2.89	bromide	272.717	5670	33639	1	-2.48
6	3.18	nitrate	2090.384	40634	383299	1	-4.02
7	4.75	phosphate	300.748	2000	24356	1	-3.78
8	6.24	sulfate	389.278	5868	82975	1	-4.10
9	8.21	oxalate	295.852	2708	49153	1	-3.75
		Totals	4055.677	81736	720556		

File: 96051211.d09 Sample: S96T001815 SPIKE



Data Reprocessed On 05/13/1996 09:13:30

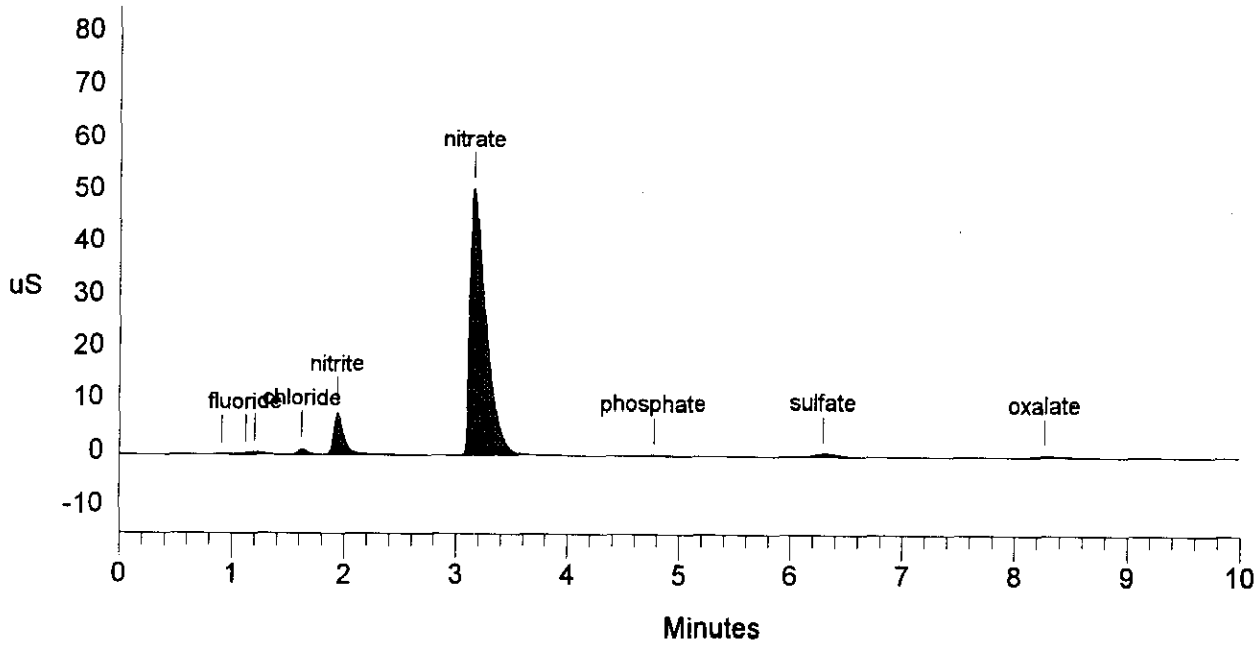
Sample Name: S96T001816 SAMPLE Date: 05/13/1996 02:06:56
Data File : C:\DX\DATA\96051211.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	167	973	2	
2	1.12	fluoride	3.917	360	1441	2	5.00
3	1.20		0.000	543	3869	2	
4	1.63	chloride	17.572	1082	5738	1	-1.61
5	1.94	nitrite	206.199	7668	47136	1	-3.64
6	3.16	nitrate	2116.840	50646	503079	1	-4.63
7	4.77	phosphate	23.710	183	2236	1	-3.24
8	6.29	sulfate	39.074	623	9572	1	-3.28
9	8.27	oxalate	30.307	297	5820	1	-3.13
		Totals	2437.618	61569	579865		

File: 96051211.d10 Sample: S96T001816 SAMPLE



Data Reprocessed On 05/13/1996 09:13:32

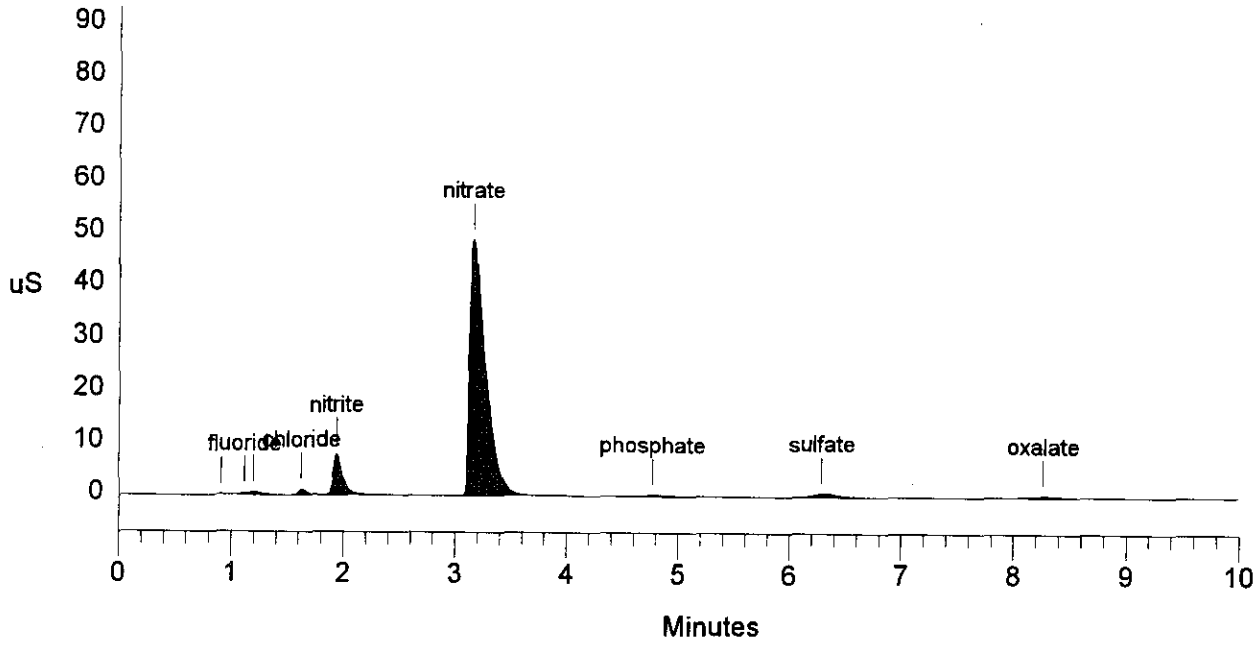
Sample Name: S96T001816 DUPLICATE Date: 05/13/1996 02:17:44
Data File : C:\DX\DATA\96051211.d11
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	159	930	2	
2	1.12	fluoride	4.128	378	1536	2	5.00
3	1.20		0.000	558	4050	2	
4	1.63	chloride	17.205	1088	5618	1	-1.61
5	1.94	nitrite	202.931	7742	46366	1	-3.64
6	3.16	nitrate	2033.112	48520	479185	1	-4.63
7	4.77	phosphate	28.435	219	2707	1	-3.24
8	6.29	sulfate	40.704	658	10000	1	-3.28
9	8.27	oxalate	28.383	294	5422	1	-3.13
		Totals	2354.897	59617	555813		

File: 96051211.d11 Sample: S96T001816 DUPLICATE



A-0010-IC DATA FILE/WORKLIST RESOLUTION 21-May-96

Worklist#: 8393

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001815
=>	5	DUP	S96T001815
=>	6	SPK	S96T001815
=>	7	SAMPLE	S96T001816
=>	8	DUP	S96T001816

Data File: 8393MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051211.d03	CCB	1.00
3	96051211.d05	PREP BLK	1.00
2	96051211.d06	133N9F CCV	101.00
4	96051211.d07	S96T001815 SAMPL	51.00
5	96051211.d08	S96T001815 DUPLI	51.00
6	96051211.d09	S96T001815 SPIKE	51.00
7	96051211.d10	S96T001816 SAMPL	41.00
8	96051211.d11	S96T001816 DUPLI	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

05/06/96 15:50
A-0004-1

LABCORE Data Entry Template for Worklist# 8399

9605087I, D01, D02 9605089I, D01 -> D06

Analyst: [illegible] **Instrument:** IC00 _____ **Book#** 133109-F

Method: LA-533-105 Rev/Mod 12-1

Worklist Comment: Rerun Br U-105, use df 41 to get < below project limit.JMF

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T000942	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T000942	0	W	@IC-01	SOLID		
6	SPK	S96T000942	0	W	@IC-01	SOLID		
7	SAMPLE	S96T000949	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested: BR-02						
8	DUP	S96T000949	0	W	@IC-01	SOLID		

Final page for worklist # 8399

Analyst Signature [illegible] **Date** 5/9/96

Analyst Signature **Date**

Exported 8399 may.csv

[illegible] 5/13/96 JMF

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8399

Analyst: krq **Instrument:** IC01 **Book#** 133N9F

Method: LA533105 Rev/Mod D-1

Worklist Comment: Rerun Br U-105, use df 41 to get < below project limit.JMF

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	3.57e-01	0.357	ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.75e+01	97.458	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.53e+01	95.316	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.43e+02	101.117	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.64e+02	98.087	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.19e+02	100.814	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.55e+02	101.648	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.29e+02	99.683	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	5.17e+02	101.572	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	2.58e-01	0.258	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	1.53e-01	0.153	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T000942		0 W	@IC-01	BR-02	SOLID	N/A <	1.019e+03	1018.000	ug/g
5	DUP	S96T000942		0 W	@IC-01	BR-02	SOLID	<1.02e3	<1.01e3		RPD
6	SPK	S96T000942		0 W	@IC-01	BR-02	SOLID	5.75e02	5.48e+02	95.304	% Recovery
7	SAMPLE	S96T000949		0 W	@IC-01	BR-02	SOLID	N/A <	1.070e+03	1070.000	ug/g
8	DUP	S96T000949		0 W	@IC-01	BR-02	SOLID	<1.07e3	<1.07e3		RPD

Final page for worklist# 8399

Analyst Signature Date

Analyst Signature Date

H Anastos 5·21·96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 14-May-96

Worklist#: 8399

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T000942
=>	5	DUP	S96T000942
=>	6	SPK	S96T000942
=>	7	SAMPLE	S96T000949
=>	8	DUP	S96T000949

Data File: 8399MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96050871.d01	CCB	1.00
2	96050871.d02	CCV 133N9-F	101.00
3	96050891.d01	BLANK PREP	1.00
4	96050891.d02	S96T000942 SAMPL	41.00
5	96050891.d03	S96T000942 DUP	41.00
6	96050891.d04	S96T000942 SPIKE	41.00
7	96050891.d05	S96T000949 SAMPL	41.00
8	96050891.d06	S96T000949 DUP	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/13/1996 09:50:44

Sample Name: CCB	Date 05/08/1996 22:26:19
Data File : C:\DX\DATA\96050871.d01	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

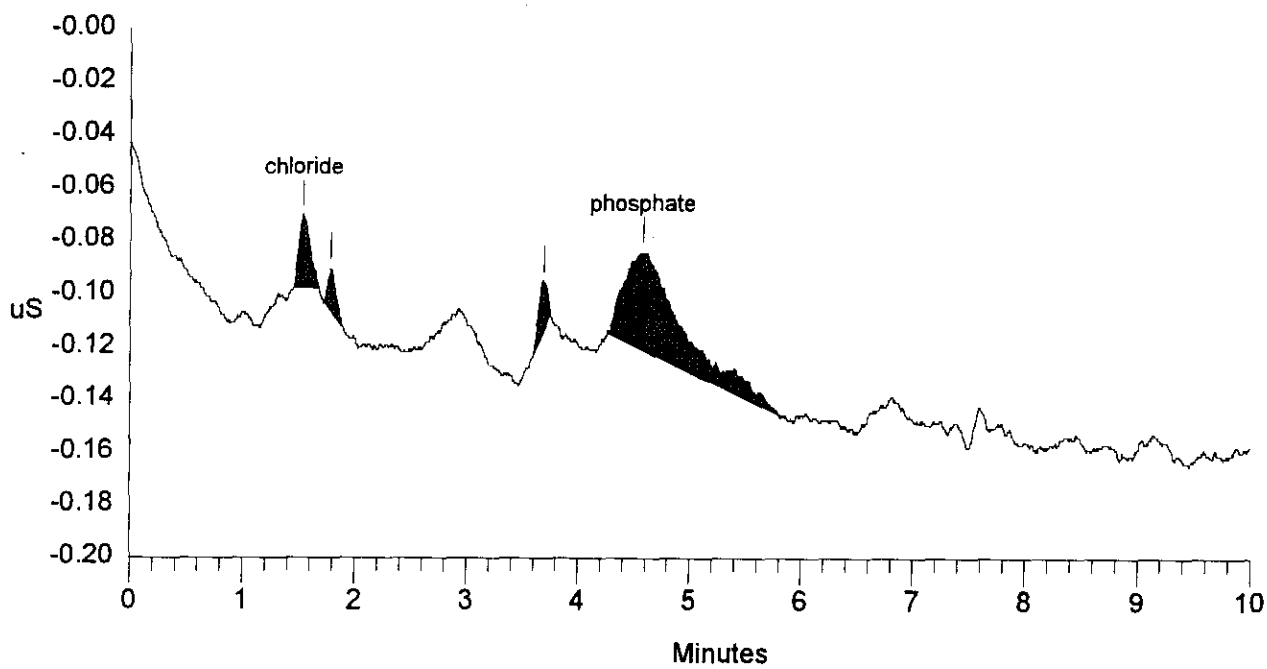
JAnastn for KR Quirin 5-21-96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.54	chloride	0.014	27	190	1	-6.85
3	3.70		0.000	18	108	1	
4	4.59	phosphate	0.357	36	1332	1	-7.03
		Totals	0.371	81	1630		

File: 96050871.d01 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 709 TO 728.

Data Reprocessed On 05/13/1996 09:50:47

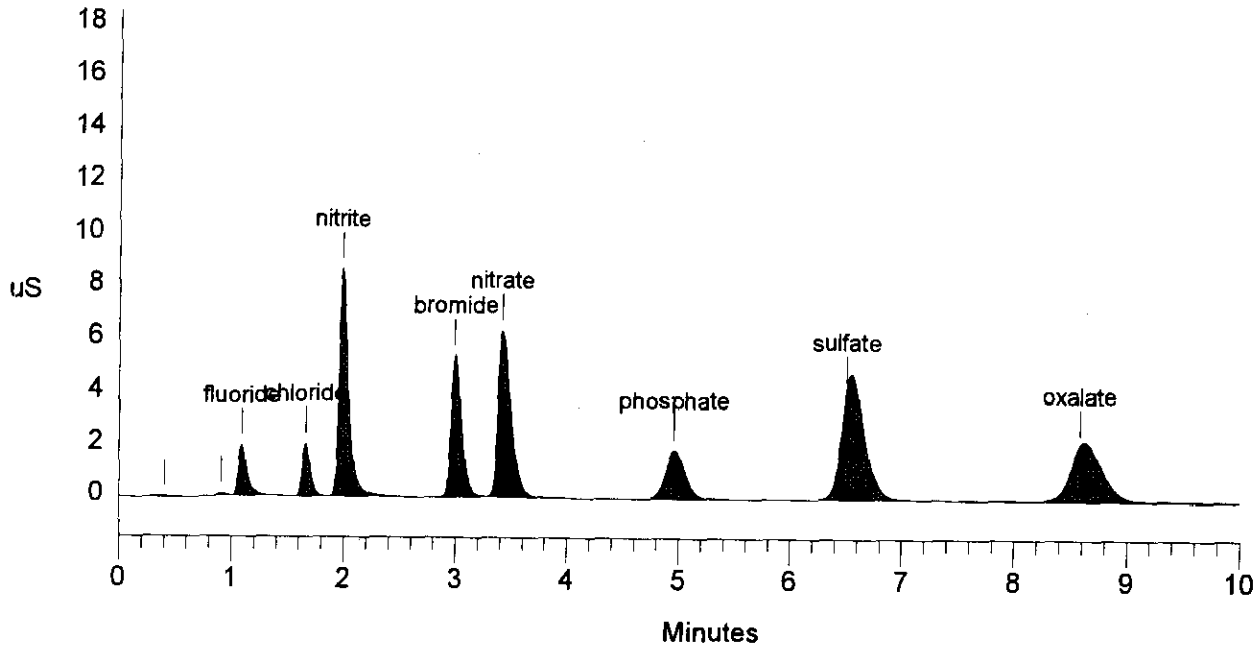
Sample Name: CCV 133N9-F Date: 05/08/1996 22:46:02
Data File : C:\DX\DATA\96050871.d02
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.40		0.000	21	261	1	
2	0.91		0.000	89	424	2	
3	1.09	fluoride	57.550	1932	10292	2	2.50
4	1.66	chloride	75.330	2036	10045	1	0.40
5	1.99	nitrite	543.430	8645	50530	1	-1.32
6	2.99	bromide	564.068	5377	35188	1	1.13
7	3.42	nitrate	619.076	6310	50704	1	3.22
8	4.96	phosphate	554.695	1845	22643	1	0.54
9	6.51	sulfate	628.622	4069	67238	1	0.00
10	8.59	oxalate	517.087	2097	43278	1	0.63
		Totals	3559.859	32421	290601		

File: 96050871.d02 Sample: CCV 133N9-F



Data Reprocessed On 05/13/1996 09:50:49

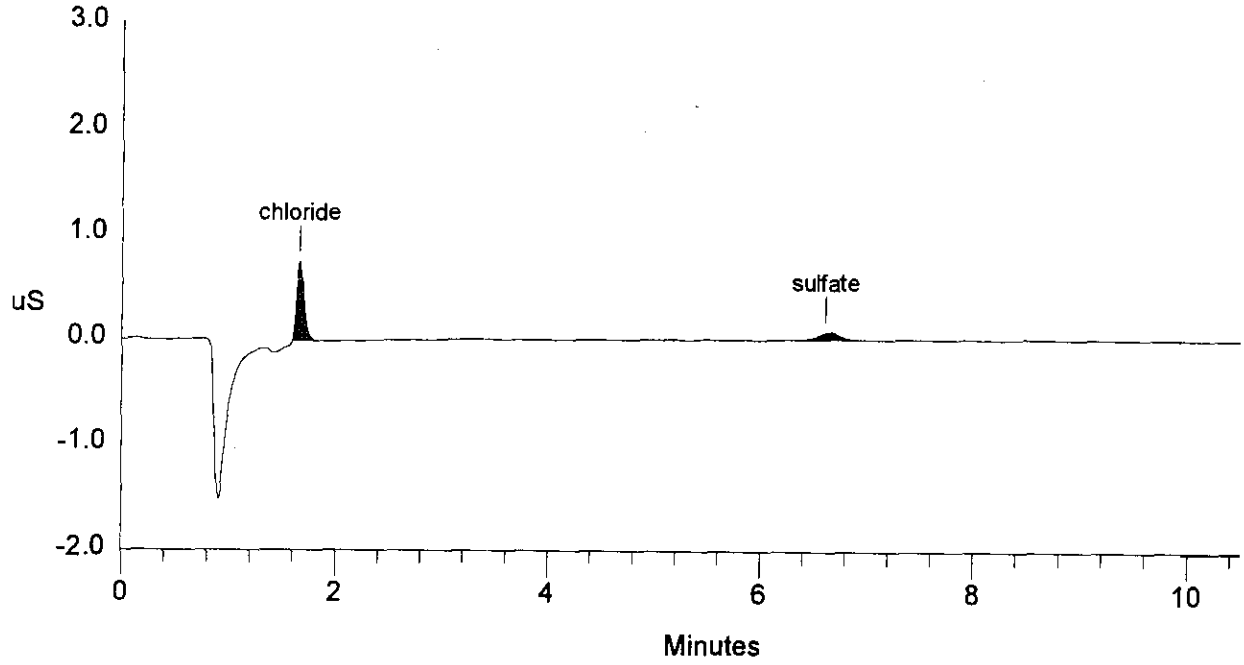
Sample Name: BLANK PREP	Date: 05/08/1996 23:44:22
Data File : C:\DX\DATA\96050891.d01	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.66	chloride	0.258	747	3442	1	0.40
2	6.61	sulfate	0.153	67	978	1	1.64
		Totals	0.411	813	4420		

File: 96050891.d01 Sample: BLANK PREP



Data Reprocessed On 05/13/1996 09:50:51

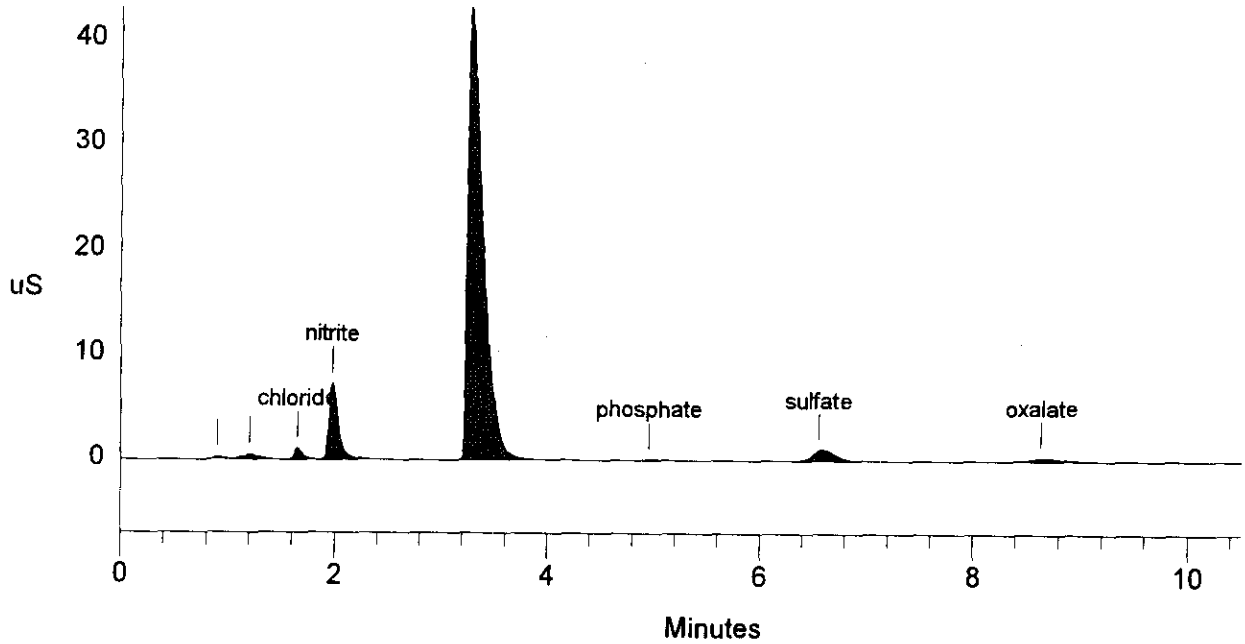
Sample Name: S96T000942 SAMPLE	Date: 05/08/1996 23:57:35
Data File : C:\DX\DATA\96050891.d02	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	200	1204	2	
2	1.21		0.000	541	4658	2	
3	1.65	chloride	17.395	1109	5680	1	0.00
4	1.98	nitrite	194.952	7290	44488	1	-1.66
5	3.28	nitrate	1849.813	42964	428439	1	-1.01
6	4.96	phosphate	16.169	107	1486	1	0.54
7	6.56	sulfate	65.028	996	16400	1	0.82
8	8.64	oxalate	32.568	302	6289	1	1.25
		Totals	2175.926	53509	508643		

File: 96050891.d02 Sample: S96T000942 SAMPLE



Data Reprocessed On 05/13/1996 09:50:53

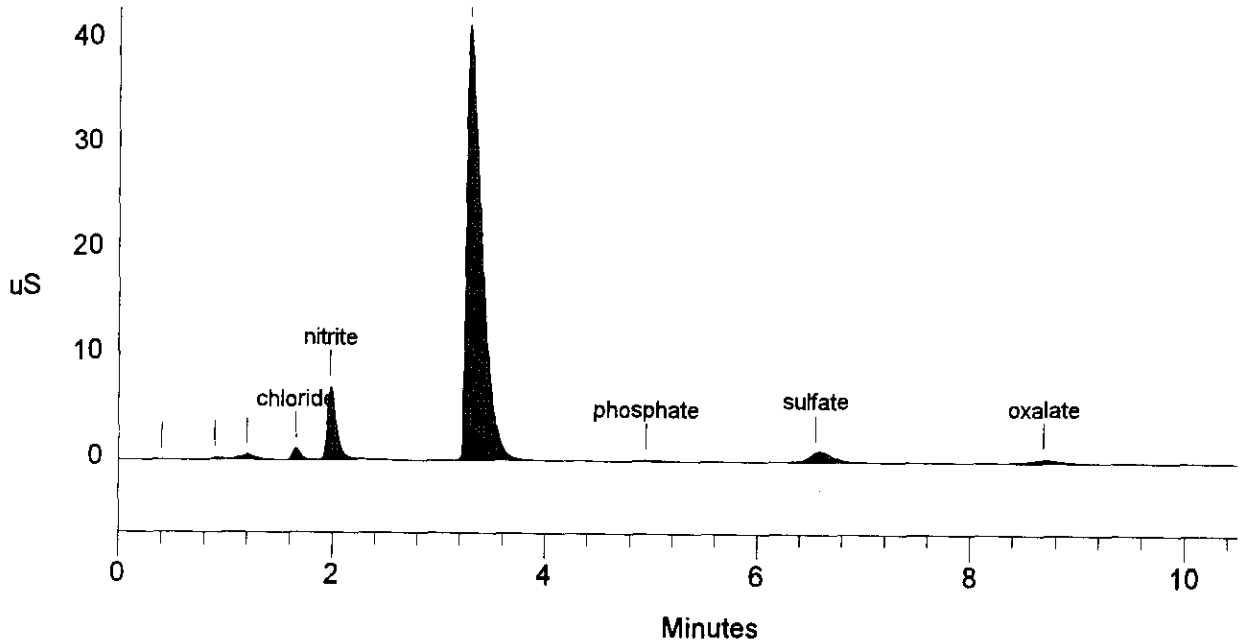
Sample Name: S96T000942 DUP Date: 05/09/1996 00:10:48
Data File : C:\DX\DATA\96050891.d03
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.41		0.000	19	228	1	
2	0.91		0.000	186	1115	2	
3	1.21		0.000	515	4525	2	
4	1.66	chloride	16.115	1056	5259	1	0.40
5	1.99	nitrite	179.155	6903	40775	1	-1.32
6	3.29	nitrate	1779.154	41161	409409	1	-0.80
7	4.96	phosphate	16.865	116	1555	1	0.54
8	6.56	sulfate	59.233	940	14873	1	0.82
9	8.69	oxalate	31.215	315	6008	1	1.88
		Totals	2081.737	51212	483747		

File: 96050891.d03 Sample: S96T000942 DUP



Data Reprocessed On 05/13/1996 09:50:55

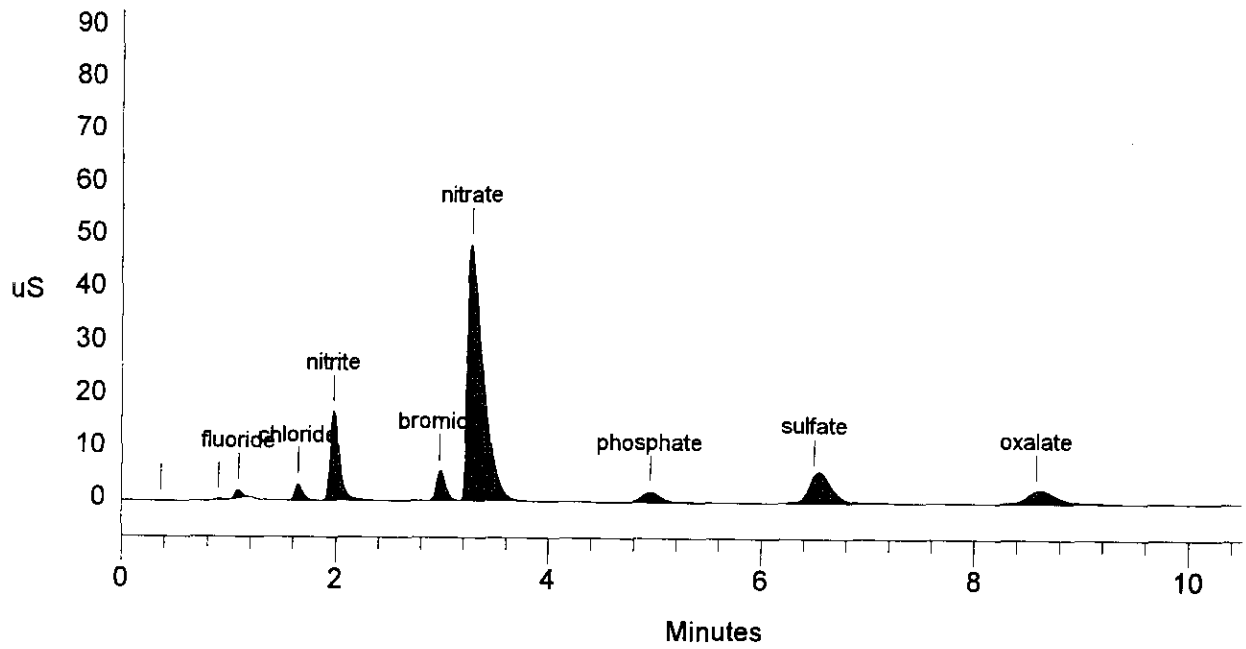
Sample Name: S96T000942 SPIKE	Date: 05/09/1996 00:24:01
Data File : C:\DX\DATA\96050891.d04	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.37		0.000	16	220	1	
2	0.91		0.000	237	1142	1	
3	1.09	fluoride	16.526	1611	7148	1	2.18
4	1.65	chloride	48.143	3118	15940	1	-0.40
5	1.98	nitrite	437.007	16797	102192	1	-1.66
6	2.98	bromide	219.351	5681	33656	1	0.68
7	3.27	nitrate	2089.235	48272	495149	1	-1.21
8	4.96	phosphate	236.220	1948	23782	1	0.54
9	6.51	sulfate	318.277	5152	84434	1	0.00
10	8.59	oxalate	239.069	2450	49411	1	0.63
		Totals	3603.829	85283	813073		

File: 96050891.d04 Sample: S96T000942 SPIKE



Data Reprocessed On 05/13/1996 09:50:58

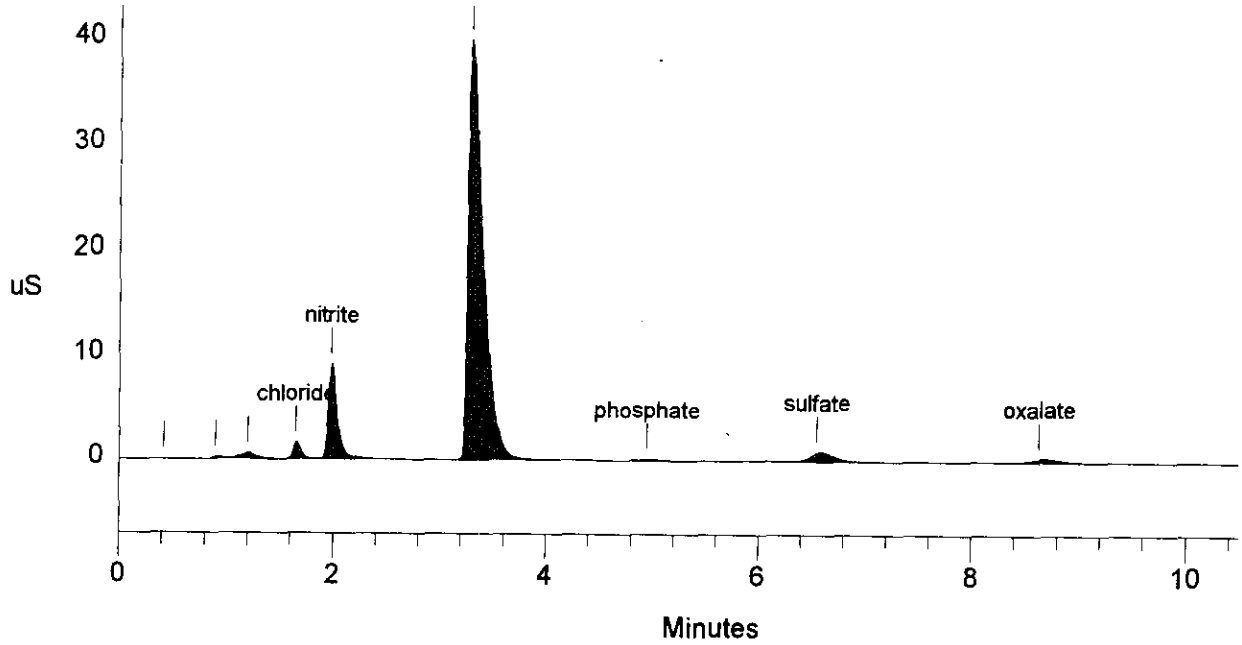
Sample Name: S96T000949 SAMPLE Date: 05/09/1996 00:37:15
Data File : C:\DX\DATA\96050891.d05
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.42		0.000	16	128	1	
2	0.91		0.000	212	1291	2	
3	1.21		0.000	602	5595	2	
4	1.65	chloride	24.619	1600	8065	1	0.00
5	1.99	nitrite	234.078	9110	53712	1	-1.32
6	3.29	nitrate	1721.219	39814	394012	1	-0.60
7	4.96	phosphate	15.041	99	1373	1	0.54
8	6.56	sulfate	53.303	837	13312	1	0.82
9	8.64	oxalate	33.431	309	6467	1	1.25
		Totals	2081.692	52600	483956		

File: 96050891.d05 Sample: S96T000949 SAMPLE



Data Reprocessed On 05/13/1996 09:51:00

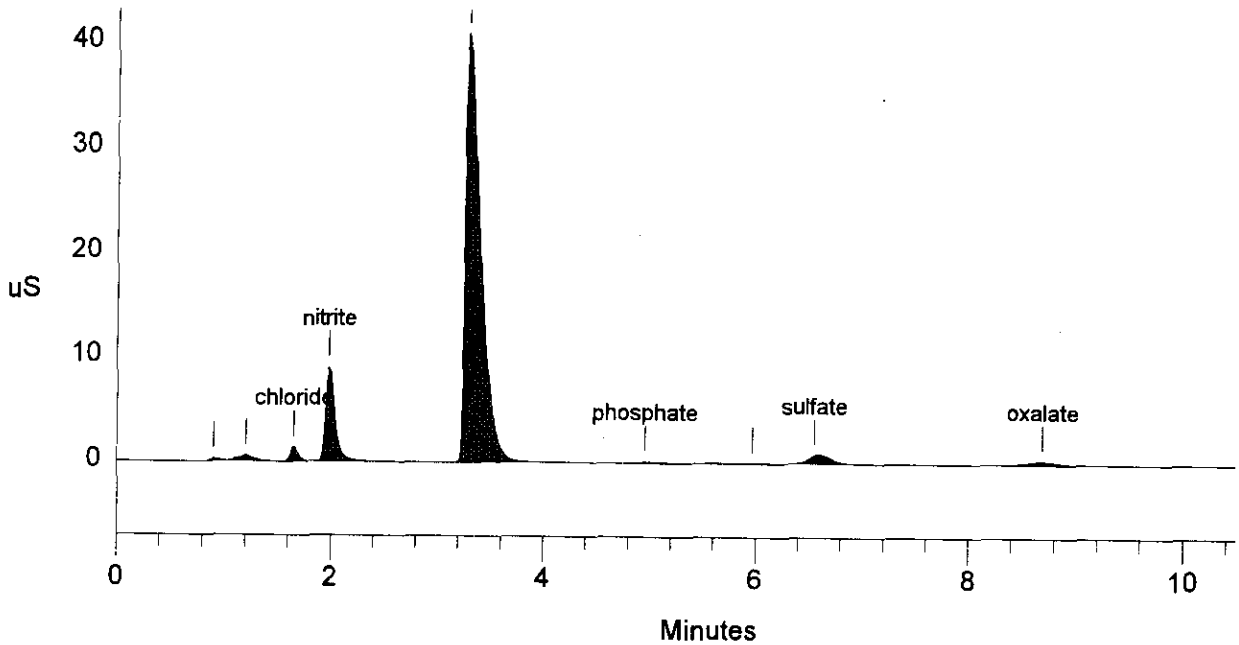
Sample Name: S96T000949 DUP Date: 05/09/1996 00:50:29
Data File : C:\DX\DATA\96050891.d06
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	216	1309	2	
2	1.21		0.000	585	5366	2	
3	1.65	chloride	21.747	1418	7115	1	0.00
4	1.99	nitrite	237.662	8982	54559	1	-1.32
5	3.29	nitrate	1766.190	40733	405947	1	-0.60
6	4.96	phosphate	17.826	111	1650	1	0.54
7	5.97		0.000	32	1328	1	
8	6.56	sulfate	51.079	779	12727	1	0.82
9	8.69	oxalate	31.201	317	6005	1	1.88
		Totals	2125.704	53173	496007		

File: 96050891.d06 Sample: S96T000949 DUP



LABCORE Data Entry Template for Worklist# 8408

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 13319-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV Blank Prep				@IC-QC	QC		
3	SAMPLE	S96T001818	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
4	DUP	S96T001818	0	W	@IC-01	SOLID		
5	SPK	S96T001818	0	W	@IC-01	SOLID		
6	SAMPLE	S96T001817	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
7	DUP	S96T001817	0	W	@IC-01	SOLID		

Final page for worklist # 8408

A Lambel 05·12·96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8408nay.csv
In shell ~~5/10/96~~ 5/13/96 GMF
Uploaded 5/22/96 GMF. Cr rejected because < too high.
Validated 5/22/96 GMF Will rerun on WKL 8108

Data Entry Comments: 96051201, D12 → D21

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8408

Analyst: eal **Instrument:** IC01 **Book#** 133/97F

Method: 14-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	3.90e-02	0.039	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	2.58e-01	0.258	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	2.14e-01	0.214	ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.61e+01	95.085	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.36e+01	93.165	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.23e+02	97.393	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.35e+02	93.043	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.80e+02	94.463	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.16e+02	94.505	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.01e+02	95.246	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.90e+02	96.267	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.52e-01	0.152	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	F-02	SOLID	N/A	1.524e+03	262.500	ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	CL-02	SOLID	N/A	3.107e+03	343.300	ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	NO2-02	SOLID	N/A	3.953e+04	2161.000	ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	NO3-02	SOLID	N/A	3.143e+05	2825.000	ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	PO4-02	SOLID	N/A	4.441e+03	2402.000	ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	SO4-02	SOLID	N/A	1.136e+04	2744.000	ug/g
4	SAMPLE	S96T001818	W	0	@IC-01	OXALATE2	SOLID	N/A	9.272e+03	2121.000	ug/g
5	DUP	S96T001818	W	0	@IC-01	F-02	SOLID	1.52e+03	1.45e+03	4.714	RPD
5	DUP	S96T001818	W	0	@IC-01	CL-02	SOLID	3.11e+03	3.10e+03	0.322	RPD
5	DUP	S96T001818	W	0	@IC-01	NO2-02	SOLID	3.95e+04	3.92e+04	0.762	RPD
5	DUP	S96T001818	W	0	@IC-01	BR-02	SOLID	<2.54e3	<2.55e3		RPD
5	DUP	S96T001818	W	0	@IC-01	NO3-02	SOLID	3.14e+05	3.20e+05	1.893	RPD
5	DUP	S96T001818	W	0	@IC-01	PO4-02	SOLID	4.44e+03	4.46e+03	0.449	RPD
5	DUP	S96T001818	W	0	@IC-01	SO4-02	SOLID	1.14e+04	1.17e+04	2.597	RPD
5	DUP	S96T001818	W	0	@IC-01	OXALATE2	SOLID	9.27e+03	8.02e+03	14.459	RPD
6	SPK	S96T001818	W	0	@IC-01	F-02	SOLID	5.90e01	6.75e+01	114.407	% Recovery
6	SPK	S96T001818	W	0	@IC-01	CL-02	SOLID	7.90e01	6.97e+01	88.228	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8408

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001818	0	W	@IC-01	NO2-02	SOLID	5.37e02	5.41e+02	100.745	% Recovery
6	SPK	S96T001818	0	W	@IC-01	BR-02	SOLID	5.75e02	5.55e+02	96.522	% Recovery
6	SPK	S96T001818	0	W	@IC-01	NO3-02	SOLID	6.14e02	6.78e+02	110.423	% Recovery
6	SPK	S96T001818	0	W	@IC-01	PO4-02	SOLID	5.46e02	5.36e+02	98.168	% Recovery
6	SPK	S96T001818	0	W	@IC-01	SO4-02	SOLID	6.31e02	6.17e+02	97.781	% Recovery
6	SPK	S96T001818	0	W	@IC-01	OXALATE2	SOLID	5.09e02	4.92e+02	96.660	% Recovery
7	SAMPLE	S96T001817	0	W	@IC-01	F-02	SOLID	N/A	1.633e+03	236.200	ug/g
7	SAMPLE	S96T001817	0	W	@IC-01	CL-02	SOLID	N/A	3.655e+03	309.000	ug/g
7	SAMPLE	S96T001817	0	W	@IC-01	NO2-02	SOLID	N/A	4.947e+04	1944.000	ug/g
7	SAMPLE	S96T001817	0	W	@IC-01	NO3-02	SOLID	N/A	2.606e+05	2542.000	ug/g
7	SAMPLE	S96T001817	0	W	@IC-01	PO4-02	SOLID	N/A	3.585e+03	2160.000	ug/g
7	SAMPLE	S96T001817	0	W	@IC-01	SO4-02	SOLID	N/A	1.310e+04	2469.000	ug/g
7	SAMPLE	S96T001817	0	W	@IC-01	OXALATE2	SOLID	N/A	1.047e+04	1908.000	ug/g
8	DUP	S96T001817	0	W	@IC-01	F-02	SOLID	1.63e+03	1.54e+03	5.678	RPD
8	DUP	S96T001817	0	W	@IC-01	CL-02	SOLID	3.66e+03	3.85e+03	5.060	RPD
8	DUP	S96T001817	0	W	@IC-01	NO2-02	SOLID	4.95e+04	5.20e+04	4.926	RPD
8	DUP	S96T001817	0	W	@IC-01	BR-02	SOLID	<2.29e3	<2.39e3		RPD
8	DUP	S96T001817	0	W	@IC-01	NO3-02	SOLID	2.61e+05	2.72e+05	4.128	RPD
8	DUP	S96T001817	0	W	@IC-01	PO4-02	SOLID	3.58e+03	3.97e+03	10.331	RPD
8	DUP	S96T001817	0	W	@IC-01	SO4-02	SOLID	1.31e+04	1.36e+04	3.745	RPD
8	DUP	S96T001817	0	W	@IC-01	OXALATE2	SOLID	1.05e+04	1.10e+04	4.651	RPD

Final page for worklist# 8408

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/22/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 22-May-96

Worklist#: 8408

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001818
=>	5	DUP	S96T001818
=>	6	SPK	S96T001818
=>	7	SAMPLE	S96T001817
=>	8	DUP	S96T001817

Data File: 8408MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051201.d12	INSTR. BLANK	1.00
2	96051201.d13	133N9-F STD.	101.00
3	96051201.d16	PREP BLANK	1.00
7	96051201.d17	S96T001817	101.00
8	96051201.d18	S96T001817 DUP	101.00
4	96051201.d19	S96T001818	101.00
5	96051201.d20	S96T001818 DUP	101.00
6	96051201.d21	S96T001818 SPIKE	101.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/13/1996 09:19:26

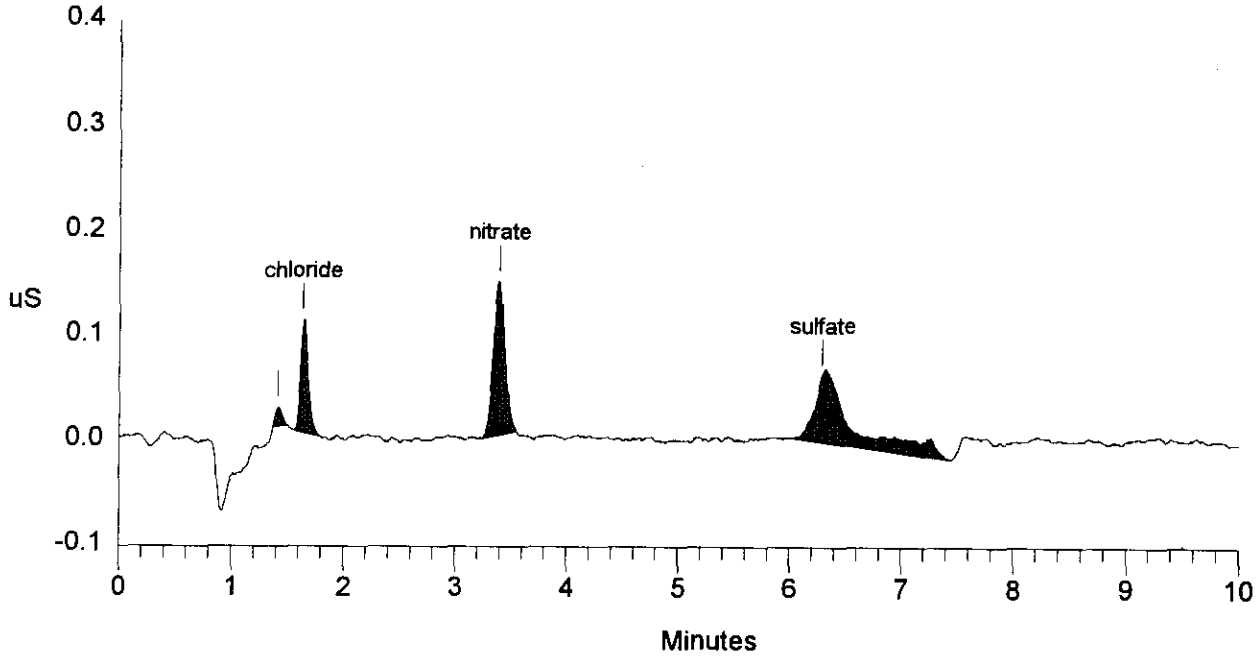
Sample Name: INSTR. BLANK	Date: 05/12/1996 12:28:58
Data File : C:\DX\DATA\96051201.d12	WHC-SD-WM-DP-182, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 12	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.64	chloride	0.039	108	513	1	-0.81
3	3.39	nitrate	0.258	147	1068	1	2.41
4	6.29	sulfate	0.214	64	1631	1	-3.28
		Totals	0.510	318	3212		

File: 96051201.d12 Sample: INSTR. BLANK



~~SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES ____ TO ____.~~

3/13/96

Data Reprocessed On 05/13/1996 09:19:29

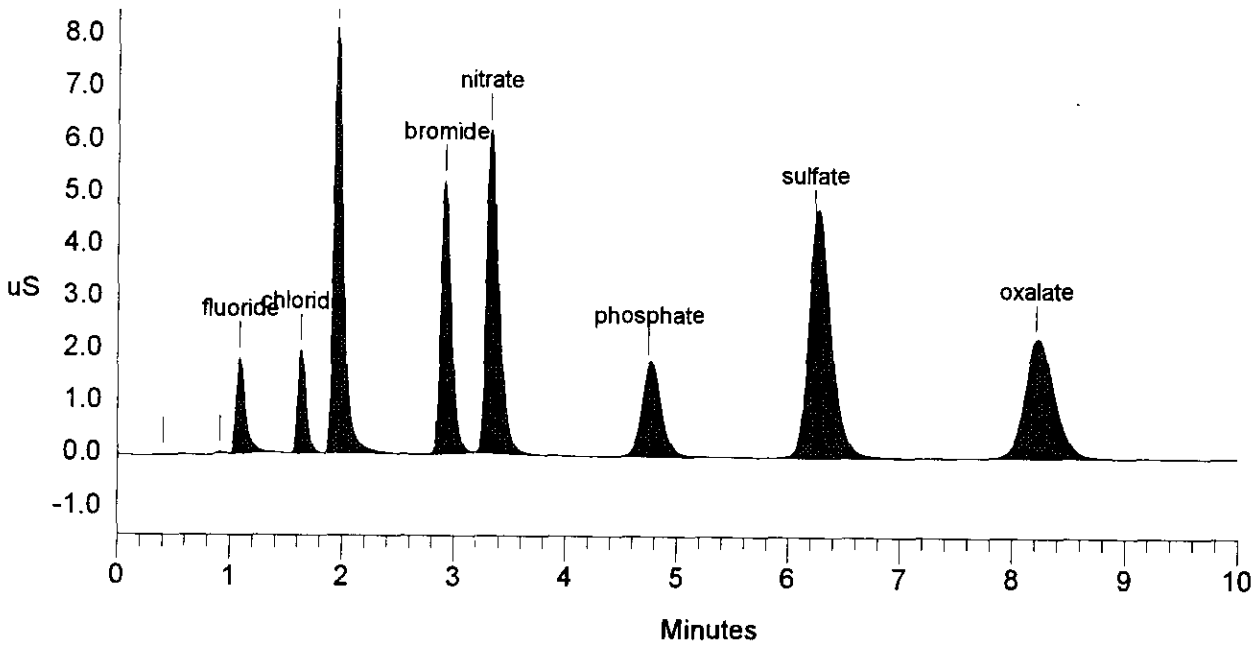
Sample Name: 133N9-F STD.	Date: 05/12/1996 12:40:54
Data File : C:\DX\DATA\96051201.d13	WHC-SD-WM-DP-182, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 13	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.41		0.000	18	192	1	
2	0.91		0.000	32	135	1	
3	1.09	fluoride	56.078	1812	10015	1	1.88
4	1.63	chloride	73.571	1961	9807	1	-1.21
5	1.95	nitrite	523.037	8094	48578	1	-2.98
6	2.92	bromide	534.694	5205	33291	1	-1.35
7	3.33	nitrate	580.092	6157	47395	1	0.40
8	4.75	phosphate	516.449	1732	21045	1	-3.78
9	6.24	sulfate	600.700	4415	64166	1	-4.10
10	8.21	oxalate	490.468	2226	41009	1	-3.75
		Totals	3375.089	31651	275634		

File: 96051201.d13 Sample: 133N9-F STD.



Data Reprocessed On 05/13/1996 09:19:31

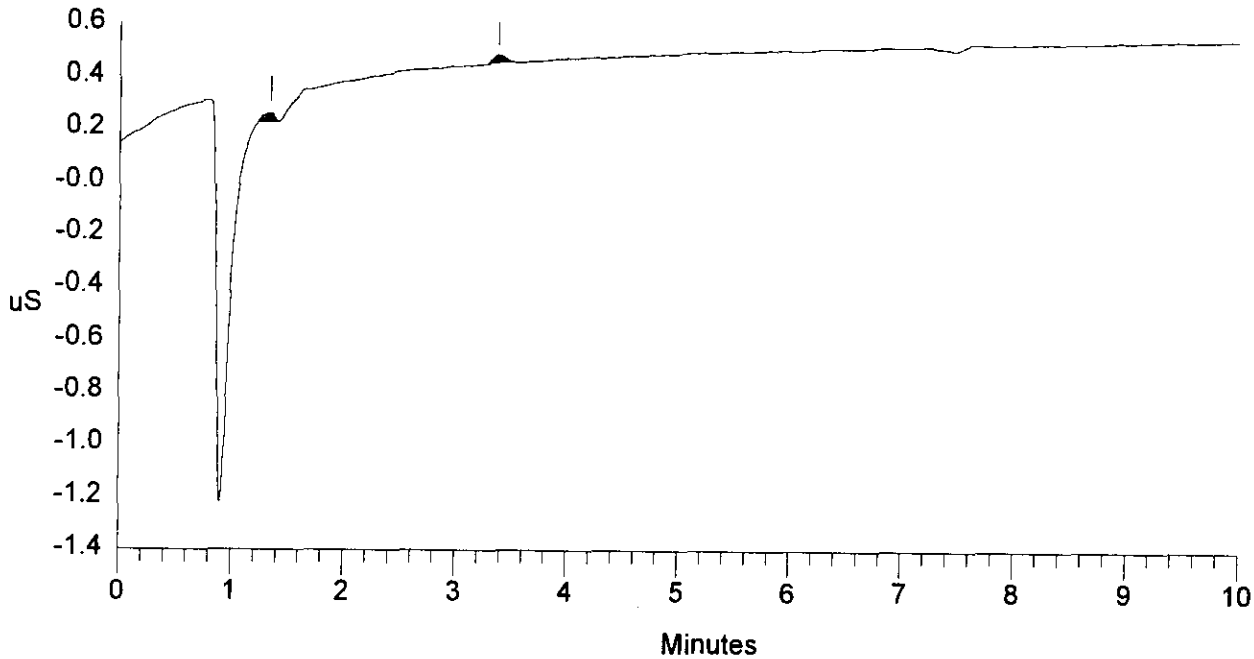
Sample Name: PREP BLANK	Date: 05/12/1996 14:12:22
Data File : C:\DX\DATA\96051201.d16	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 16	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.34		0.000	34	226	1	
2	3.38	nitrate	0.152	28	183	1	2.01
		Totals	0.152	63	409		

File: 96051201.d16 Sample: PREP BLANK



Data Reprocessed On 05/13/1996 09:19:33

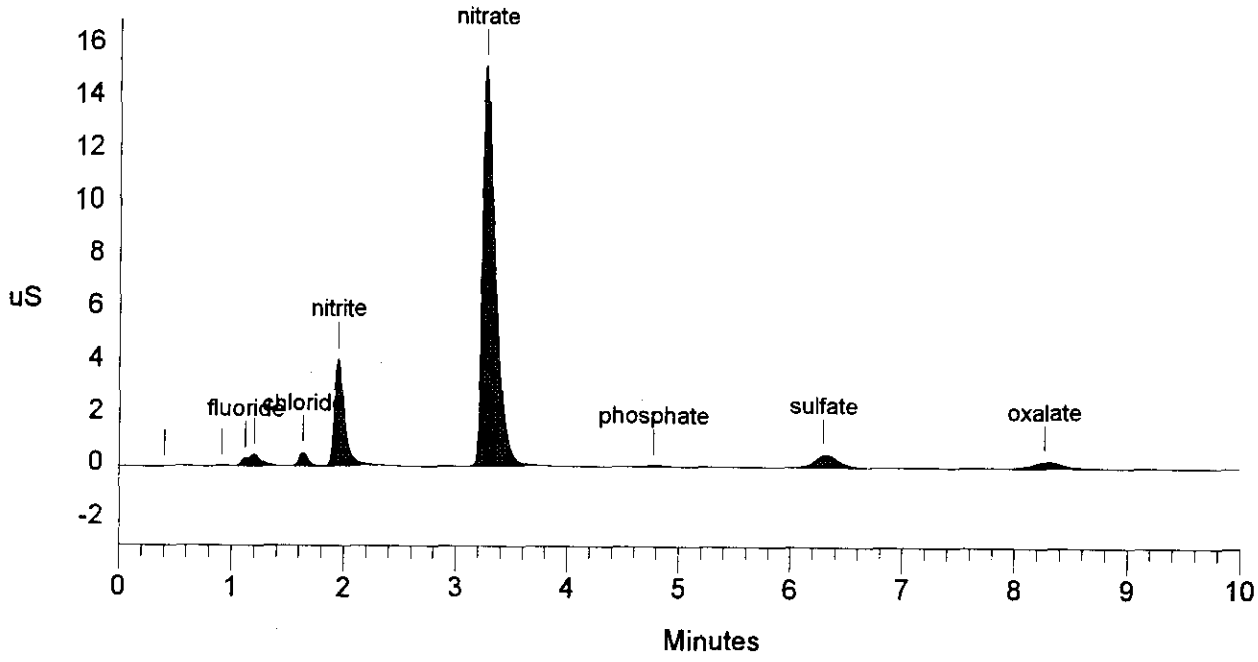
Sample Name: S96T001817	Date: 05/12/1996 14:24:44
Data File : C:\DX\DATA\96051201.d17	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 17	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.40		0.000	15	156	1	
2	0.91		0.000	35	184	1	
3	1.12	fluoride	9.075	303	1337	2	5.00
4	1.20		0.000	449	2703	2	
5	1.63	chloride	20.313	515	2681	1	-1.21
6	1.95	nitrite	274.978	4069	24970	1	-3.31
7	3.27	nitrate	1448.326	15180	122725	1	-1.41
8	4.77	phosphate	19.924	59	682	1	-3.24
9	6.29	sulfate	72.798	459	7073	1	-3.28
10	8.27	oxalate	58.220	241	4439	1	-3.13
		Totals	1903.634	21323	166950		

File: 96051201.d17 Sample: S96T001817



Data Reprocessed On 05/13/1996 09:19:35

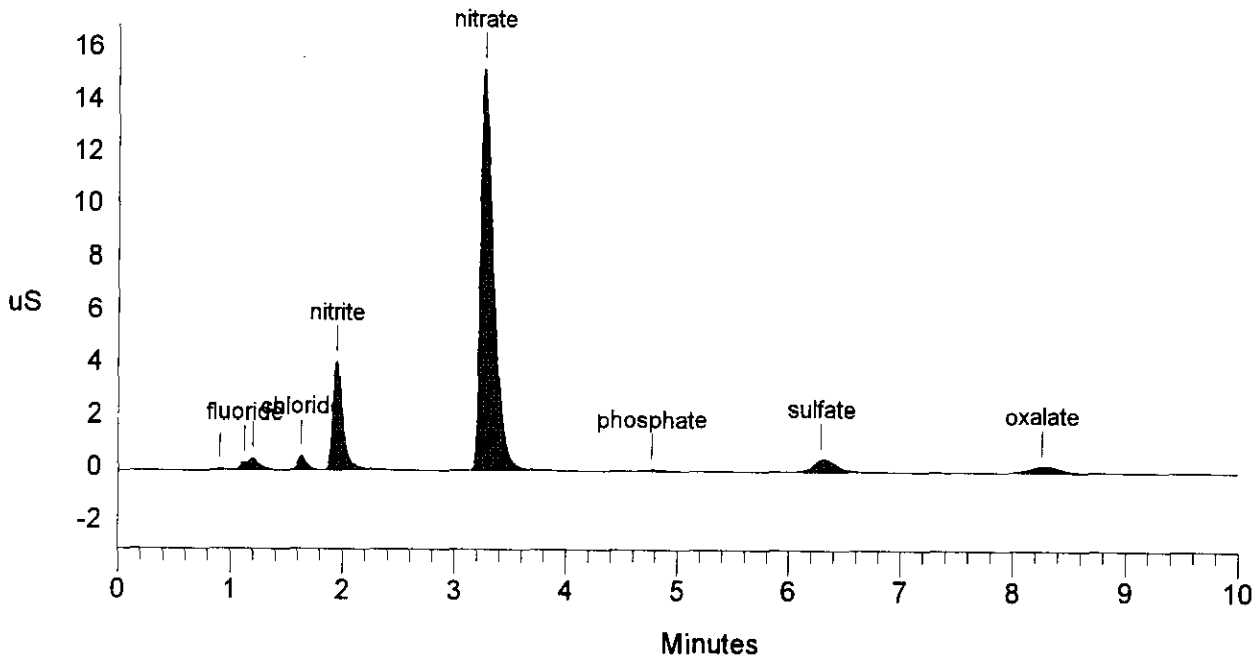
Sample Name: S96T001817 DUP	Date: 05/12/1996 14:38:17
Data File : C:\DX\DATA\96051201.d18	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 18	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	44	247	1	
2	1.13	fluoride	8.201	301	1178	2	5.63
3	1.20		0.000	443	2742	2	
4	1.63	chloride	20.503	525	2706	1	-1.21
5	1.95	nitrite	277.219	4088	25182	1	-3.31
6	3.27	nitrate	1451.267	15207	122986	1	-1.41
7	4.77	phosphate	21.168	58	732	1	-3.24
8	6.29	sulfate	72.578	468	7050	1	-3.28
9	8.27	oxalate	58.705	239	4480	1	-3.13
		Totals	1909.642	21373	167305		

File: 96051201.d18 Sample: S96T001817 DUP



Data Reprocessed On 05/13/1996 09:19:37

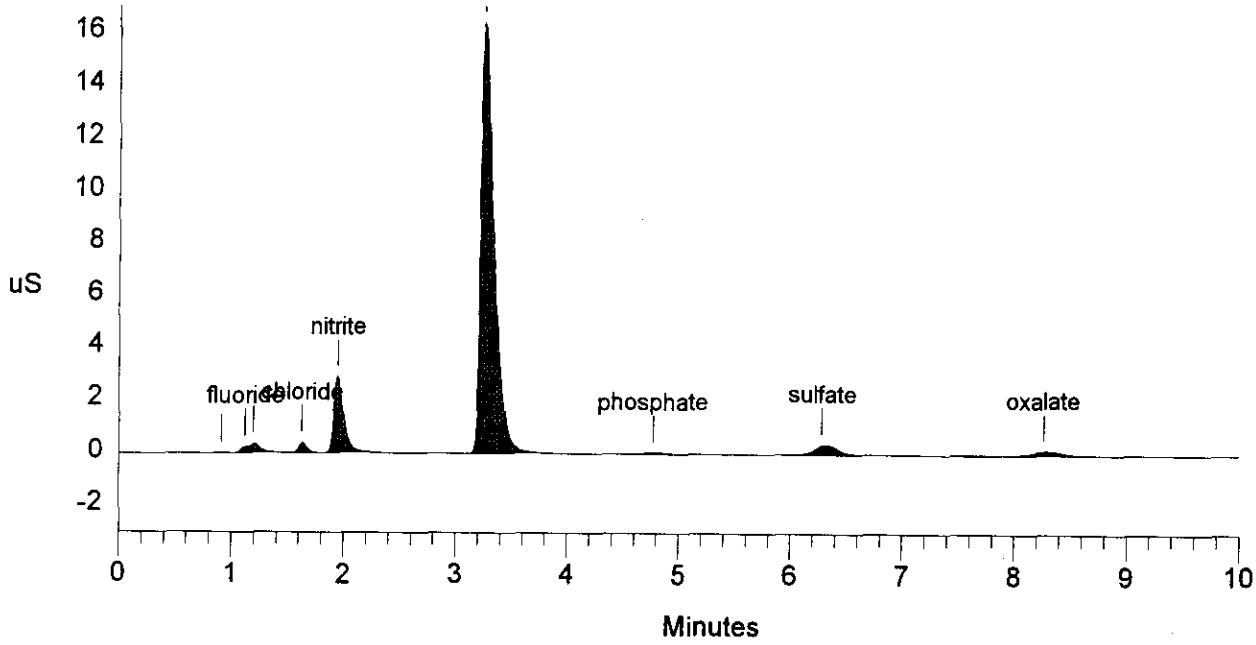
Sample Name: S96T001818	Date: 05/12/1996 14:49:46
Data File : C:\DX\DATA\96051201.d19	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 19	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	35	204	1	
2	1.13	fluoride	7.624	252	1074	2	5.63
3	1.20		0.000	357	2085	2	
4	1.63	chloride	15.538	402	2049	1	-1.21
5	1.95	nitrite	197.676	2897	17664	1	-3.31
6	3.26	nitrate	1571.896	16356	133740	1	-1.61
7	4.77	phosphate	22.210	63	774	1	-3.24
8	6.29	sulfate	56.827	363	5374	1	-3.28
9	8.27	oxalate	46.371	161	3444	1	-3.13
		Totals	1918.142	20886	166408		

File: 96051201.d19 Sample: S96T001818



Data Reprocessed On 05/13/1996 09:19:39

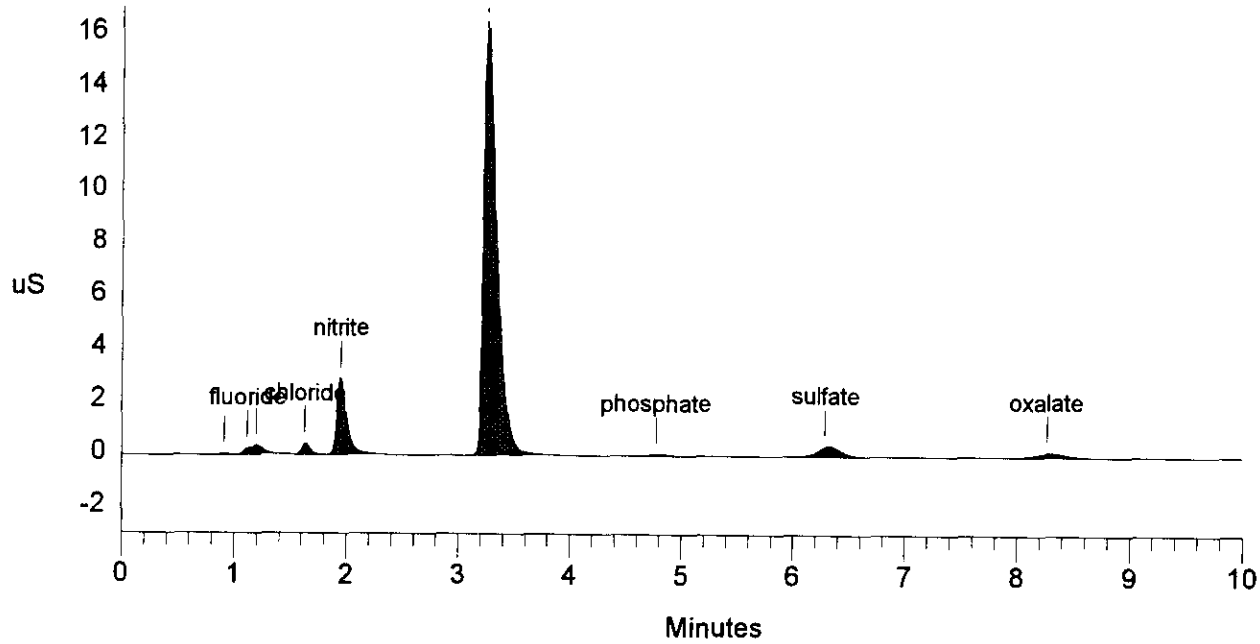
Sample Name: S96T001818 DUP	Date: 05/12/1996 15:02:10
Data File : C:\DX\DATA\96051201.d20	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 20	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	36	208	1	
2	1.12	fluoride	7.237	248	1003	2	5.00
3	1.20		0.000	353	2044	2	
4	1.63	chloride	15.495	411	2043	1	-1.21
5	1.95	nitrite	195.621	2904	17471	1	-3.31
6	3.25	nitrate	1600.198	16397	136274	1	-1.81
7	4.77	phosphate	22.264	65	777	1	-3.24
8	6.29	sulfate	58.630	368	5566	1	-3.28
9	8.27	oxalate	40.068	157	2914	1	-3.13
		Totals	1939.513	20938	168299		

File: 96051201.d20 Sample: S96T001818 DUP



Data Reprocessed On 05/13/1996 09:19:41

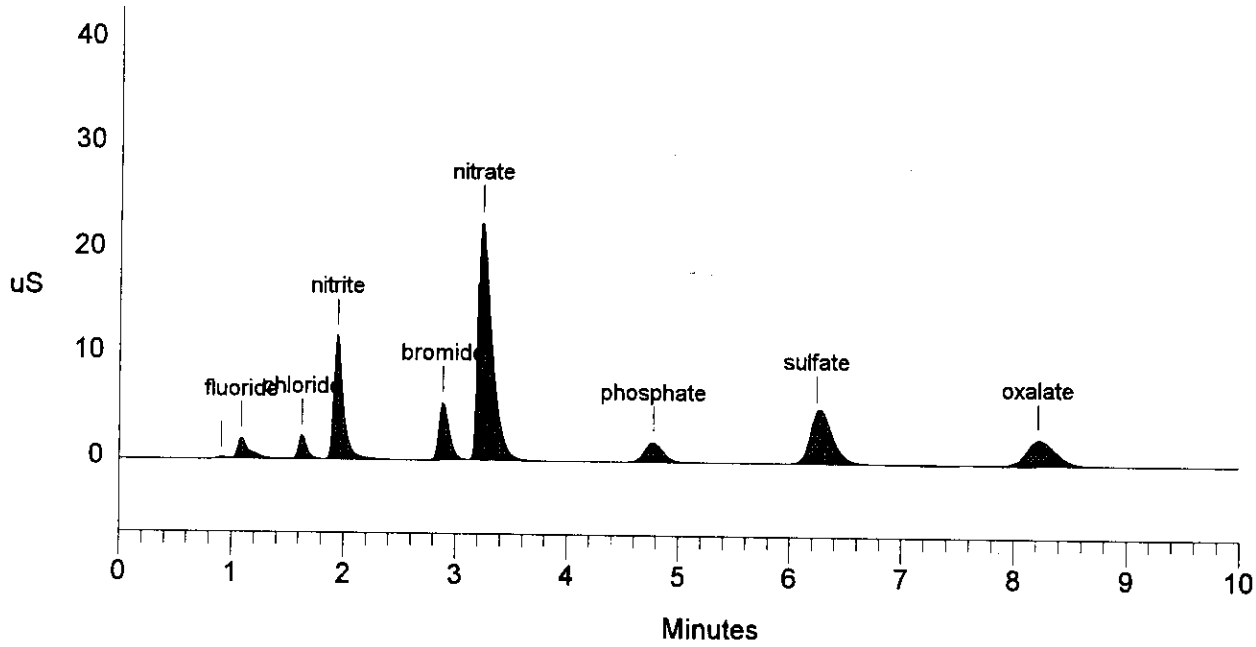
Sample Name: S96T001818 SPIKE	Date: 05/12/1996 15:14:43
Data File : C:\DX\DATA\96051201.d21	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 21	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	104	510	2	
2	1.09	fluoride	75.144	1971	13616	2	1.88
3	1.63	chloride	85.210	2294	11382	1	-1.61
4	1.94	nitrite	738.953	11774	69336	1	-3.64
5	2.89	bromide	554.868	5477	34594	1	-2.48
6	3.23	nitrate	2250.396	22569	195657	1	-2.41
7	4.77	phosphate	558.104	1935	22785	1	-3.24
8	6.24	sulfate	673.717	4937	72209	1	-4.10
9	8.21	oxalate	537.948	2467	45057	1	-3.75
		Totals	5474.340	53528	465146		

File: 96051201.d21 Sample: S96T001818 SPIKE



LABCORE Data Entry Template for Worklist# 8409

Analyst: Eal **Instrument:** IC00 IC01 **Book#** 133N91F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T001819	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:	BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02						
4	DUP	S96T001819	0	W	@IC-01	SOLID		
5	SAMPLE	S96T001820	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:	BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02						
6	DUP	S96T001820	0	W	@IC-01	SOLID		

Blank Prep

Final page for worklist # 8409

A Lambert 05.12.96

Analyst Signature **Date** **Analyst Signature** **Date**

Exported 8409may.CSV

In shell 5/13/96 GMF

Uploaded 5/13/96 GMF

BC rejected, not validated 5/22/96 GMF

Data Entry Comments: 96051201. D01, D03 -> D11

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8409

Analyst: eal **Instrument:** IC01 **Book#** 13319F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.62e-01	0.162	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.89e+01	99.831	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.36e+01	93.165	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.26e+02	97.952	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.38e+02	93.565	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.85e+02	95.277	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.23e+02	95.788	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.08e+02	96.355	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.96e+02	97.446	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.66e-01	0.166	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	F-02	SOLID	N/A	1.774e+03	239.400	ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	CL-02	SOLID	N/A	1.888e+03	313.000	ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	NO2-02	SOLID	N/A	2.733e+04	1971.000	ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	NO3-02	SOLID	N/A	4.915e+05	2577.000	ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	PO4-02	SOLID	N/A	1.037e+04	2190.000	ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	SO4-02	SOLID	N/A	6.462e+03	2503.000	ug/g
4	SAMPLE	S96T001819		0 W	@IC-01	OXALATE2	SOLID	N/A	9.581e+03	1933.000	ug/g
5	DUP	S96T001819		0 W	@IC-01	F-02	SOLID	1.77e+03	1.76e+03	0.567	RPD
5	DUP	S96T001819		0 W	@IC-01	CL-02	SOLID	1.89e+03	3.06e+03	47.273	RPD
5	DUP	S96T001819		0 W	@IC-01	NO2-02	SOLID	2.73e+04	2.78e+04	1.815	RPD
5	DUP	S96T001819		0 W	@IC-01	BR-02	SOLID	<2.32e3	<2.32e3		RPD
5	DUP	S96T001819		0 W	@IC-01	NO3-02	SOLID	4.92e+05	4.85e+05	1.433	RPD
5	DUP	S96T001819		0 W	@IC-01	PO4-02	SOLID	1.04e+04	1.07e+04	2.844	RPD
5	DUP	S96T001819		0 W	@IC-01	SO4-02	SOLID	6.46e+03	6.94e+03	7.164	RPD
5	DUP	S96T001819		0 W	@IC-01	OXALATE2	SOLID	9.58e+03	9.74e+03	1.656	RPD
6	SAMPLE	S96T001820		0 W	@IC-01	F-02	SOLID	N/A	8.260e+03	230.300	ug/g
6	SAMPLE	S96T001820		0 W	@IC-01	CL-02	SOLID	N/A	1.874e+03	301.200	ug/g

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8409

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SAMPLE	S96T001820	0	W	@IC-01	NO2-02	SOLID	N/A	2.388e+04	1896.000	ug/g
6	SAMPLE	S96T001820	0	W	@IC-01	NO3-02	SOLID	N/A	2.830e+05	2479.000	ug/g
6	SAMPLE	S96T001820	0	W	@IC-01	PO4-02	SOLID	N/A	5.883e+04	2107.000	ug/g
6	SAMPLE	S96T001820	0	W	@IC-01	SO4-02	SOLID	N/A	6.544e+03	2408.000	ug/g
6	SAMPLE	S96T001820	0	W	@IC-01	OXALATE2	SOLID	N/A	2.126e+04	1860.000	ug/g
7	DUP	S96T001820	0	W	@IC-01	F-02	SOLID	8.26e+03	8.20e+03	0.729	RPD
7	DUP	S96T001820	0	W	@IC-01	CL-02	SOLID	1.87e+03	2.03e+03	8.205	RPD
7	DUP	S96T001820	0	W	@IC-01	NO2-02	SOLID	2.39e+04	2.43e+04	1.660	RPD
7	DUP	S96T001820	0	W	@IC-01	BR-02	SOLID	<2.23e3	<2.23e3		RPD
7	DUP	S96T001820	0	W	@IC-01	NO3-02	SOLID	2.83e+05	2.81e+05	0.709	RPD
7	DUP	S96T001820	0	W	@IC-01	PO4-02	SOLID	5.88e+04	5.85e+04	0.512	RPD
7	DUP	S96T001820	0	W	@IC-01	SO4-02	SOLID	6.54e+03	6.48e+03	0.922	RPD
7	DUP	S96T001820	0	W	@IC-01	OXALATE2	SOLID	2.13e+04	2.11e+04	0.943	RPD

Final page for worklist# 8409

Analyst Signature Date

Analyst Signature Date

James M. Sage 5/22/96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 22-May-96

Worklist#: 8409

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001819
=>	5	DUP	S96T001819
=>	6	SAMPLE	S96T001820
=>	7	DUP	S96T001820

Data File: 8409MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051201.d01	INST. BLANK	1.00
	96051201.d02	133N9-F STD.	101.00
2	96051201.d03	133N9-F STD.	101.00
3	96051201.d04	PREP BLANK	1.00
	96051201.d05	S96T001819	41.00
	96051201.d06	S96T001819	51.00
4	96051201.d07	S96T001819	101.00
5	96051201.d08	S96T001819 DUP	101.00
	96051201.d09	S96T001819 SPIKE	101.00
6	96051201.d10	S96T001820	101.00
7	96051201.d11	S96T001820 DUP	101.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/13/1996 09:28:06

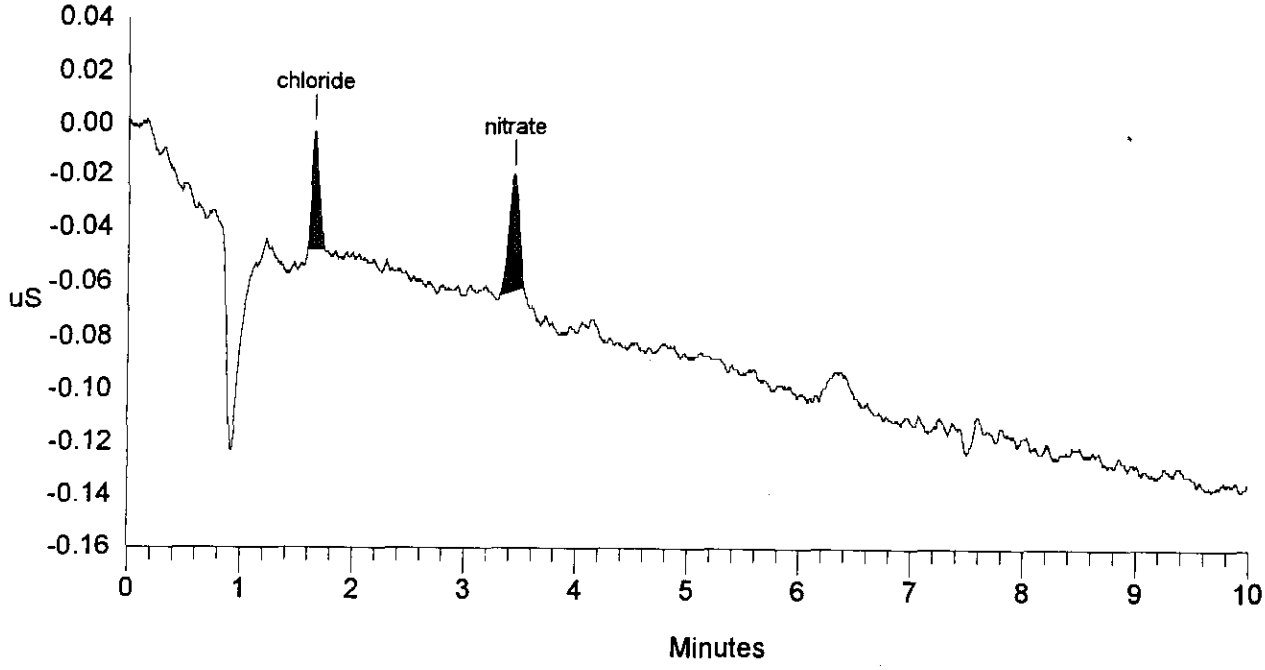
Sample Name: INST. BLANK	Date: 05/12/1996 09:38:36
Data File : C:\DX\DATA\96051201.d01	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.66	chloride	0.014	44	189	1	0.40
2	3.45	nitrate	0.162	42	269	1	4.23
		Totals	0.176	86	457		

File: 96051201.d01 Sample: INST. BLANK



~~SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES ____ TO ____.~~

7/15/96

Data Reprocessed On 05/13/1996 09:28:10

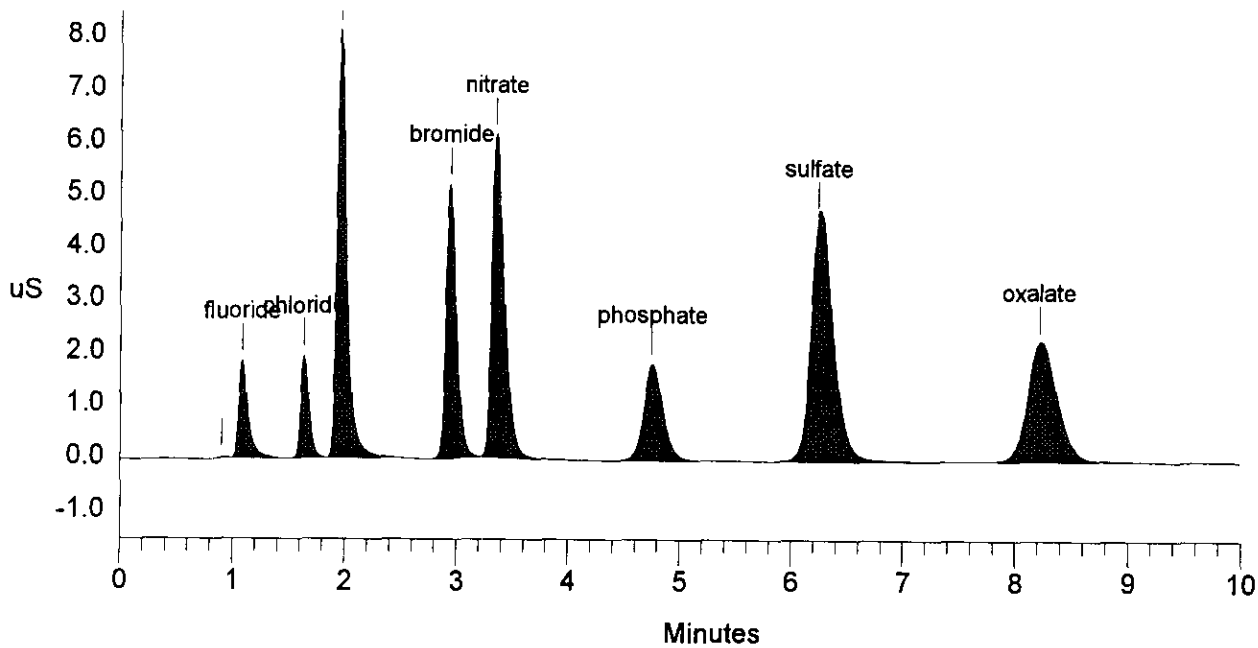
Sample Name: 133N9-F STD.	Date: 05/12/1996 10:11:28
Data File : C:\DX\DATA\96051201.d03	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.09	fluoride	58.914	1842	10548	2	1.88
3	1.63	chloride	73.610	1931	9812	1	-1.21
4	1.96	nitrite	526.238	8107	48885	1	-2.65
5	2.94	bromide	538.017	5187	33506	1	-0.68
6	3.35	nitrate	584.823	6113	47796	1	1.01
7	4.75	phosphate	522.855	1803	21313	1	-3.78
8	6.24	sulfate	607.750	4588	64941	1	-4.10
9	8.21	oxalate	495.904	2243	41472	1	-3.75
		Totals	3408.112	31814	278272		

File: 96051201.d03 Sample: 133N9-F STD.



Data Reprocessed On 05/13/1996 09:28:12

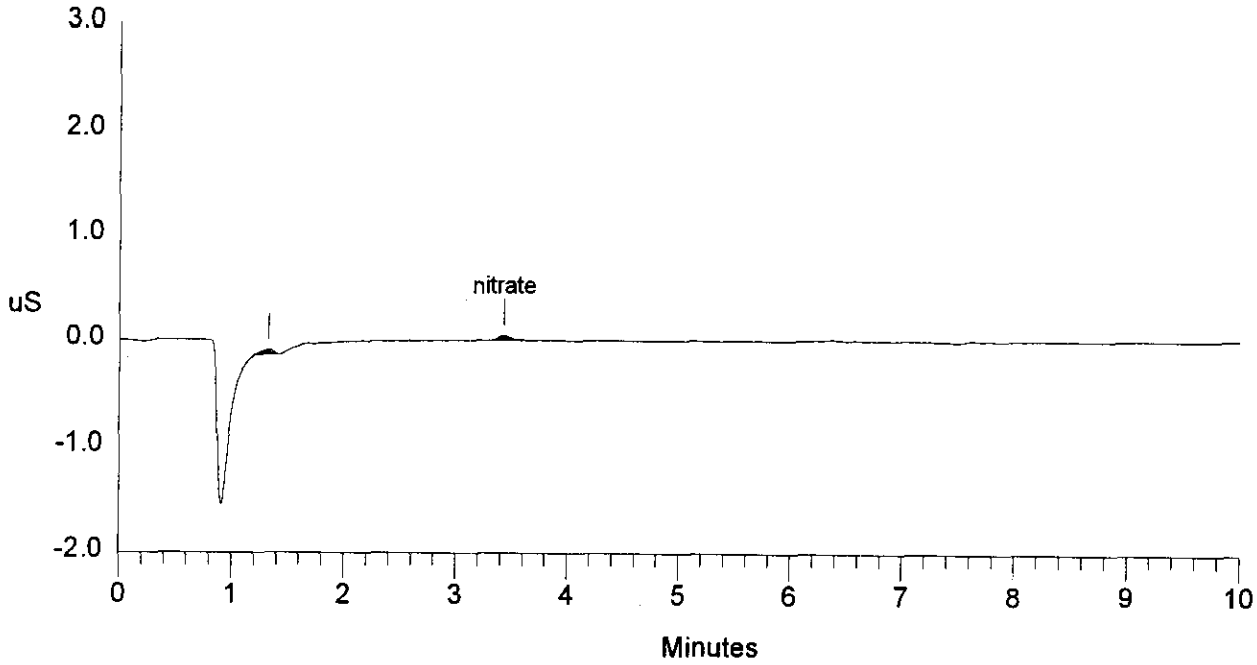
Sample Name: PREP BLANK	Date: 05/12/1996 10:30:55
Data File : C:\DX\DATA\96051201.d04	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.33		0.000	46	348	1	
2	3.43	nitrate	0.166	45	304	1	3.62
		Totals	0.166	91	652		

File: 96051201.d04 Sample: PREP BLANK



Data Reprocessed On 05/13/1996 09:28:14

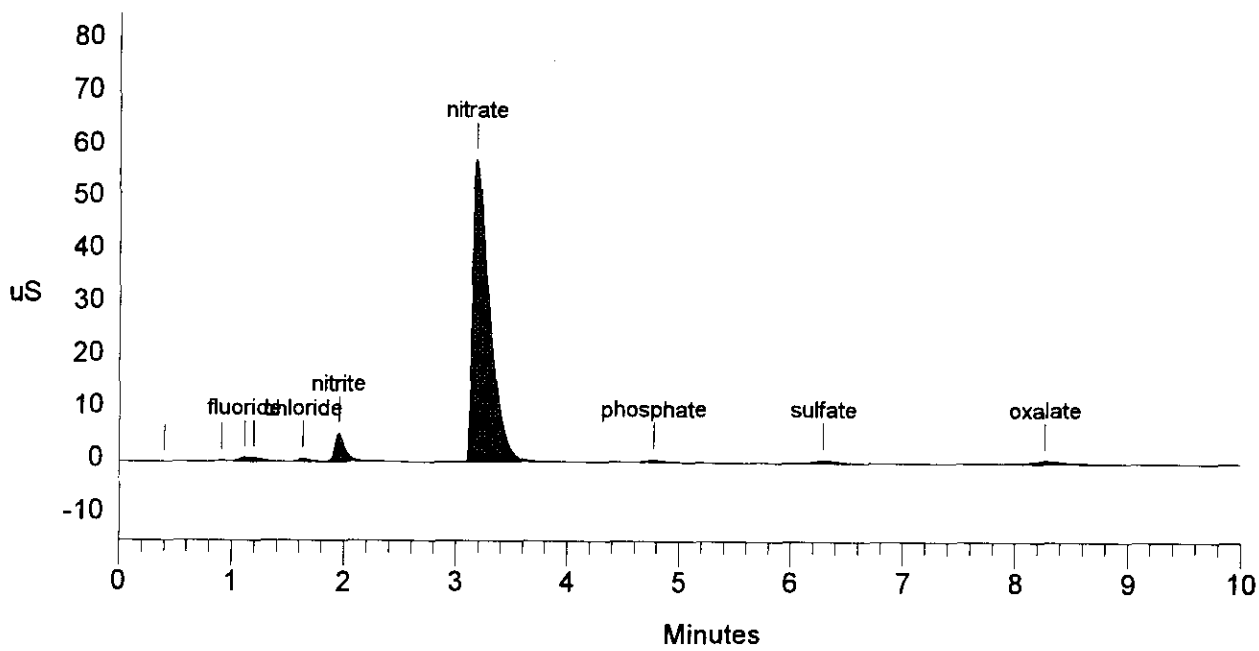
Sample Name: S96T001819 Date: 05/12/1996 10:58:49
Data File : C:\DX\DATA\96051201.d05 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.40		0.000	15	103	1	
2	0.91		0.000	137	765	2	
3	1.11	fluoride	8.929	718	3696	2	4.37
4	1.19		0.000	684	4453	2	
5	1.63	chloride	9.777	599	3181	1	-1.21
6	1.95	nitrite	144.233	5294	32588	1	-2.98
7	3.18	nitrate	2455.046	57359	604877	1	-4.02
8	4.77	phosphate	53.776	436	5238	1	-3.24
9	6.29	sulfate	27.963	468	6657	1	-3.28
10	8.27	oxalate	47.691	522	9422	1	-3.13
		Totals	2747.415	66232	670980		

File: 96051201.d05 Sample: S96T001819



Data Reprocessed On 05/13/1996 09:28:15

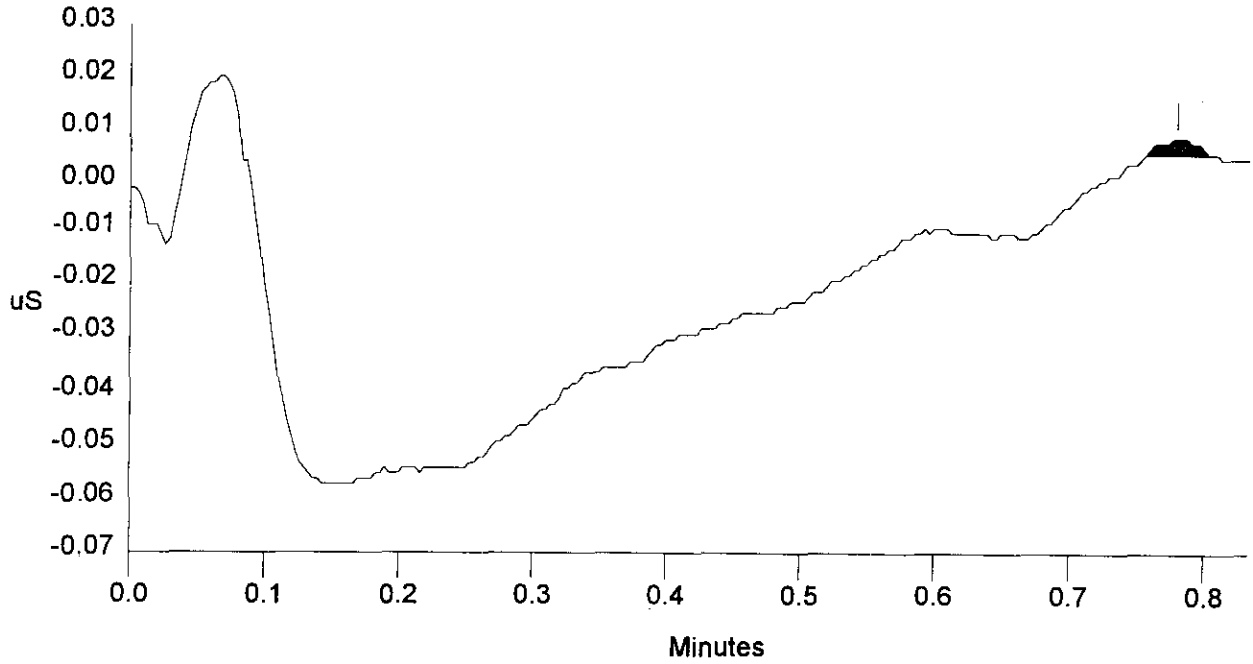
Sample Name: S96T001819	Date: 05/12/1996 11:01:04
Data File : C:\DX\DATA\96051201.d06	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 6	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	251	5Hz	0.00	0.83		100

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

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

File: 96051201.d06 Sample: S96T001819



Data Reprocessed On 05/13/1996 09:28:17

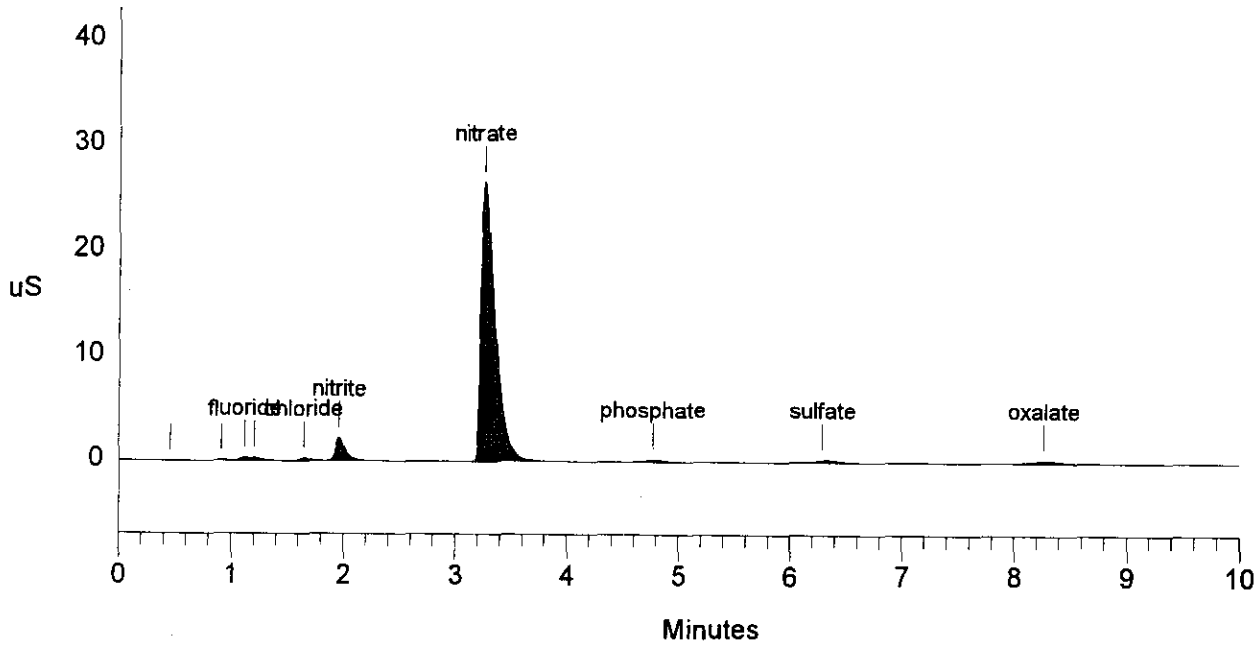
Sample Name: S96T001819	Date: 05/12/1996 11:18:17
Data File : C:\DX\DATA\96051201.d07	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	19	218	1	
2	0.91		0.000	32	165	2	
3	1.12	fluoride	9.729	294	1456	2	5.00
4	1.21		0.000	288	1806	2	
5	1.65	chloride	10.353	276	1363	1	-0.40
6	1.96	nitrite	149.919	2165	13163	1	-2.65
7	3.26	nitrate	2695.917	26378	237736	1	-1.61
8	4.77	phosphate	56.906	180	2175	1	-3.24
9	6.29	sulfate	35.445	201	3101	1	-3.28
10	8.27	oxalate	52.550	211	3962	1	-3.13
		Totals	3010.820	30044	265146		

File: 96051201.d07 Sample: S96T001819



Data Reprocessed On 05/13/1996 09:28:19

Sample Name: S96T001819 DUP Date: 05/12/1996 11:30:58
Data File : C:\DX\DATA\96051201.d08
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

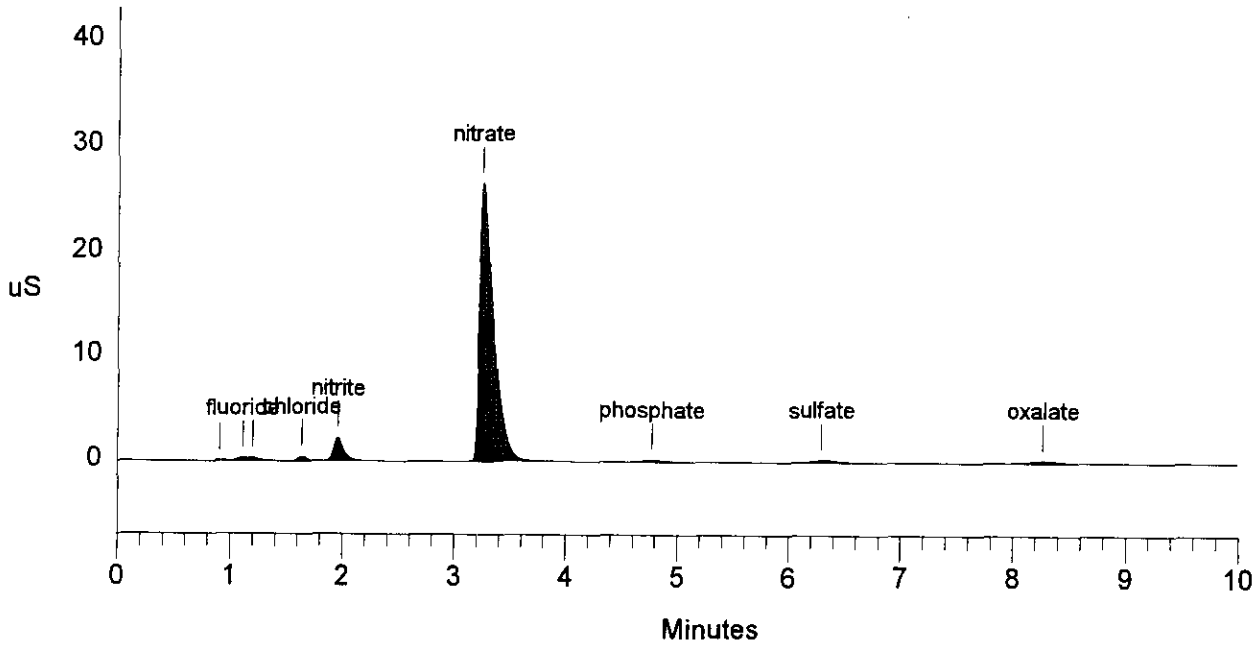
WHC-SD-WM-DP-182, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	35	181	1	
2	1.11	fluoride	9.681	300	1447	2	4.37
3	1.20		0.000	301	1847	2	
4	1.64	chloride	16.783	426	2213	1	-0.81
5	1.96	nitrite	152.708	2193	13425	1	-2.65
6	3.26	nitrate	2659.970	26438	234296	1	-1.61
7	4.77	phosphate	58.511	187	2240	1	-3.24
8	6.29	sulfate	38.110	219	3384	1	-3.28
9	8.27	oxalate	53.451	217	4038	1	-3.13
		Totals	2989.214	30315	263073		

File: 96051201.d08 Sample: S96T001819 DUP



Data Reprocessed On 05/13/1996 09:28:21

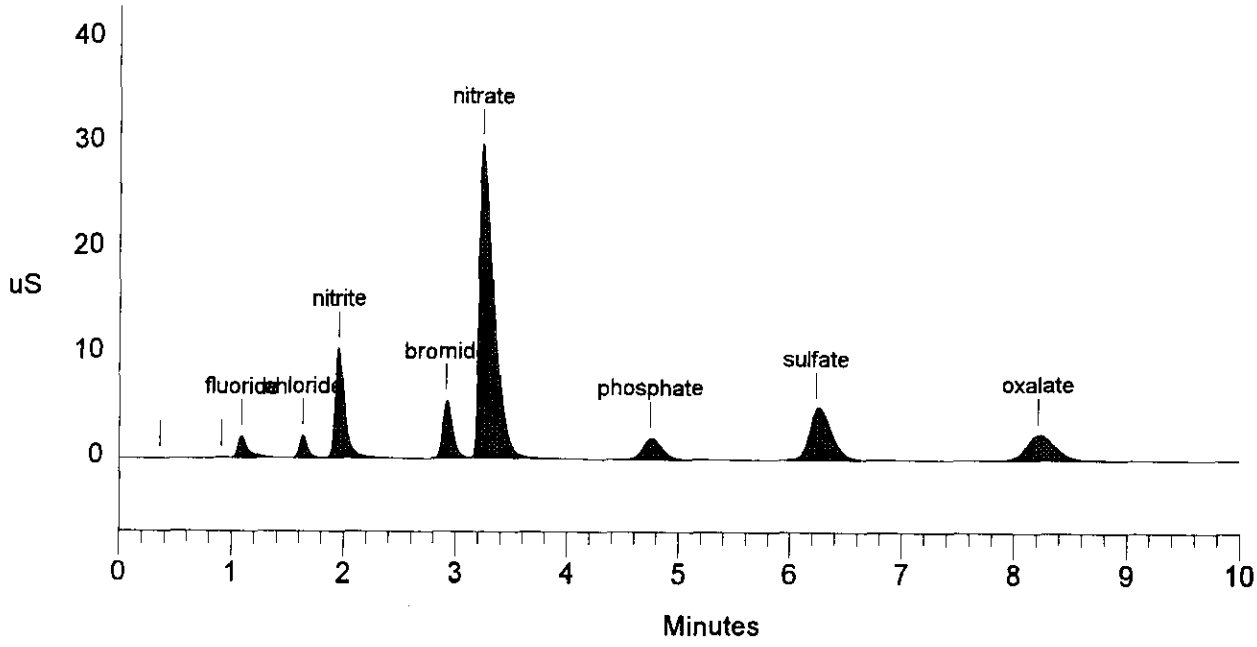
Sample Name: S96T001819 SPIKE Date: 05/12/1996 11:42:14
Data File : C:\DX\DATA\96051201.d09 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	19	163	1	
2	0.91		0.000	102	511	2	
3	1.09	fluoride	73.244	2050	13255	2	1.88
4	1.63	chloride	79.446	2125	10601	1	-1.21
5	1.95	nitrite	655.713	10462	61310	1	-2.98
6	2.92	bromide	529.820	5420	32977	1	-1.35
7	3.24	nitrate	3028.186	29630	269923	1	-2.21
8	4.75	phosphate	579.659	1970	23688	1	-3.78
9	6.24	sulfate	630.952	4773	67494	1	-4.10
10	8.21	oxalate	538.029	2460	45064	1	-3.75
		Totals	6115.048	59010	524986		

File: 96051201.d09 Sample: S96T001819 SPIKE



Data Reprocessed On 05/13/1996 09:28:23

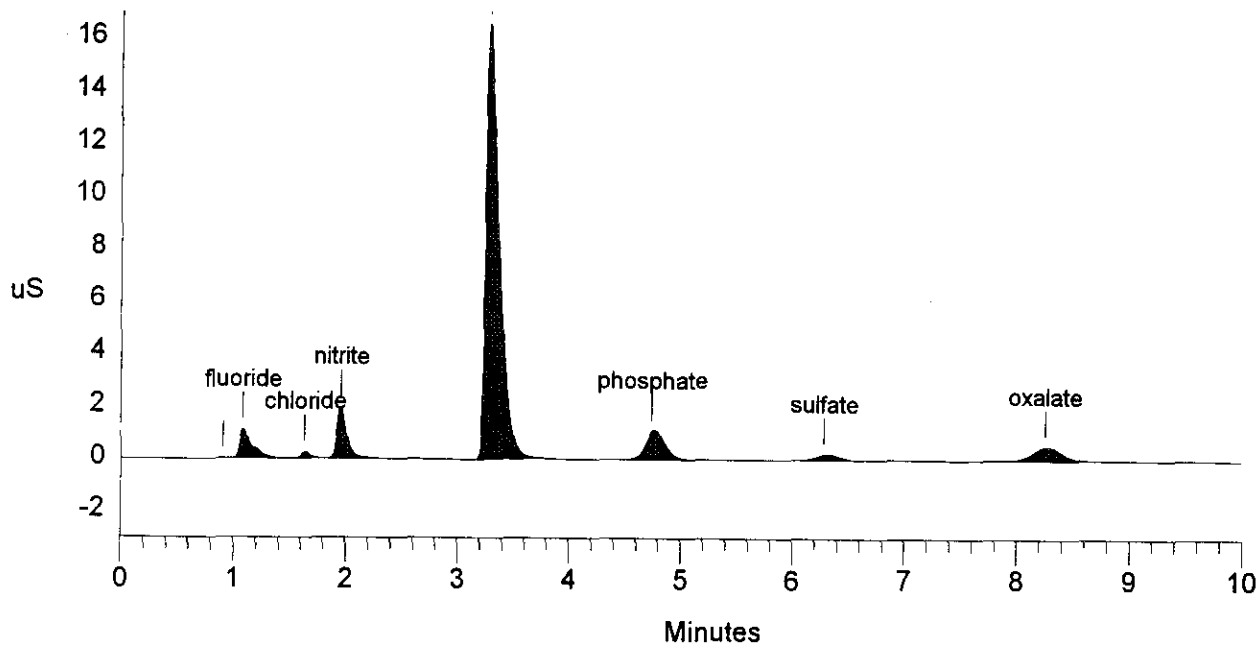
Sample Name: S96T001820	Date: 05/12/1996 11:57:32
Data File : C:\DX\DATA\96051201.d10	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 10	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.09	fluoride	47.090	1114	8335	1	1.88
3	1.64	chloride	10.686	279	1407	1	-0.81
4	1.96	nitrite	136.127	1955	11864	1	-2.65
5	3.29	nitrate	1613.156	16499	137435	1	-0.80
6	4.75	phosphate	335.386	1075	13540	1	-3.78
7	6.29	sulfate	37.310	222	3299	1	-3.28
8	8.27	oxalate	121.200	536	9735	1	-3.13
		Totals	2300.954	21680	185616		

File: 96051201.d10 Sample: S96T001820



Data Reprocessed On 05/13/1996 09:28:25

Sample Name: S96T001820 DUP Date: 05/12/1996 12:09:47
Data File : C:\DX\DATA\96051201.d11
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

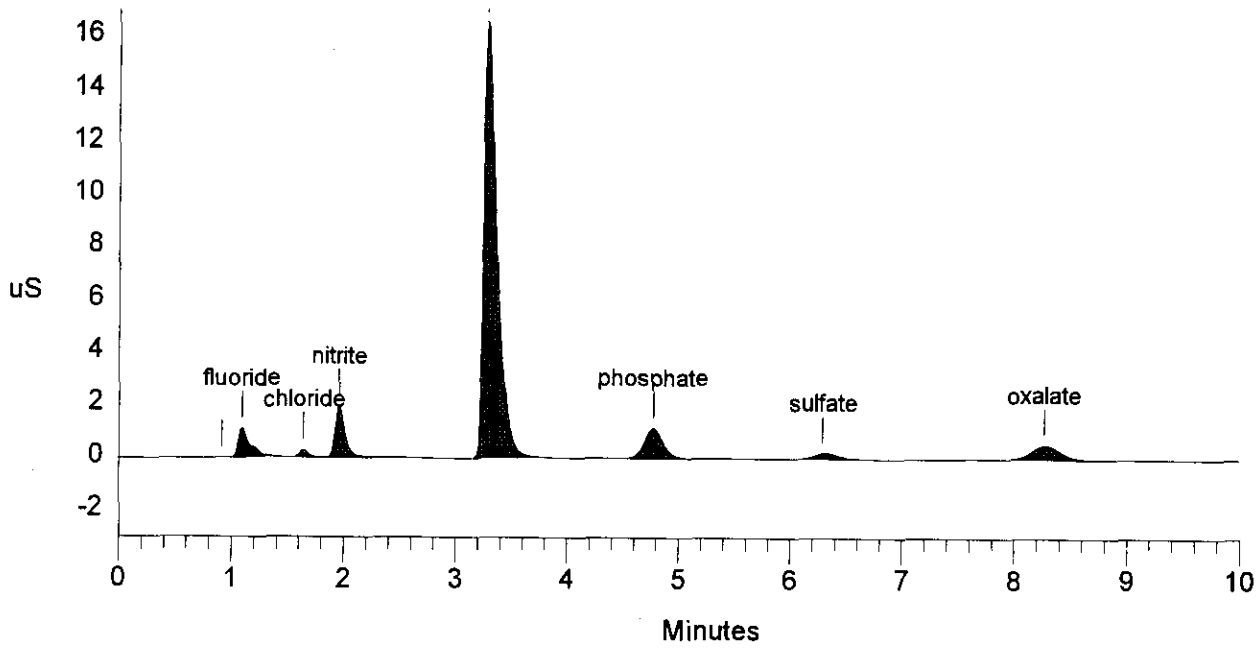
WHC-SD-WM-DP-182, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.09	fluoride	46.763	1114	8274	1	2.50
3	1.64	chloride	11.576	295	1525	1	-0.81
4	1.96	nitrite	138.362	1959	12075	1	-2.65
5	3.28	nitrate	1602.473	16443	136478	1	-1.01
6	4.77	phosphate	333.704	1139	13470	1	-3.24
7	6.29	sulfate	36.949	217	3261	1	-3.28
8	8.27	oxalate	120.238	532	9654	1	-3.13
		Totals	2290.064	21700	184737		

File: 96051201.d11 Sample: S96T001820 DUP



05/07/96 08:14
A-0004-1

LABCORE Data Entry Template for Worklist# 8410

Analyst: JLL **Instrument:** IC00 IC01 **Book#** 13319-F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE (Blank Prep)	S96T001821	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
4	DUP	S96T001821	0	W	@IC-01	SOLID		
5	SPK	S96T001821	0	W	@IC-01	SOLID		

Final page for worklist # 8410

A Lambel 05.11.96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8410may.csv
Finished 5/13/96 JMF
Uploaded 5/22/96 JMF
Validated 5/22/96 JMF

Data Entry Comments: 96051101, D03, D05 → D10

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8410

Analyst: eal **Instrument:** IC01 **Book#** 13/17F

Method: 14-53-705 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.86e-01	0.186	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	6.18e+01	104.746	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.23e+01	91.519	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.43e+02	101.117	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.51e+02	95.826	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.88e+02	95.765	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.43e+02	99.451	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.11e+02	96.830	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	5.03e+02	98.821	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.54e-01	0.154	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	F-02	SOLID	N/A	2.014e+02	106.800	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	CL-02	SOLID	N/A	1.452e+03	139.600	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	NO2-02	SOLID	N/A	2.012e+04	879.000	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	BR-02	SOLID	N/A <	1.035e+03	1035.000	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	NO3-02	SOLID	N/A	1.633e+05	1149.000	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	PO4-02	SOLID	N/A	4.420e+03	976.600	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	SO4-02	SOLID	N/A	2.045e+03	1116.000	ug/g
4	SAMPLE	S96T001821	W	0	@IC-01	OXALATE2	SOLID	N/A	4.755e+03	862.600	ug/g
5	DUP	S96T001821	W	0	@IC-01	F-02	SOLID	2.01e+02	2.09e+02	3.902	RPD
5	DUP	S96T001821	W	0	@IC-01	CL-02	SOLID	1.45e+03	1.46e+03	0.687	RPD
5	DUP	S96T001821	W	0	@IC-01	NO2-02	SOLID	2.01e+04	1.96e+04	2.519	RPD
5	DUP	S96T001821	W	0	@IC-01	BR-02	SOLID	<1.04e3	<1.04e3		RPD
5	DUP	S96T001821	W	0	@IC-01	NO3-02	SOLID	1.63e+05	1.60e+05	1.858	RPD
5	DUP	S96T001821	W	0	@IC-01	PO4-02	SOLID	4.42e+03	4.43e+03	0.226	RPD
5	DUP	S96T001821	W	0	@IC-01	SO4-02	SOLID	2.04e+03	1.95e+03	4.511	RPD
5	DUP	S96T001821	W	0	@IC-01	OXALATE2	SOLID	4.76e+03	5.01e+03	5.118	RPD
6	SPK	S96T001821	W	0	@IC-01	F-02	SOLID	5.90e01	7.85e+01	133.051	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8410

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001821	0	W	@IC-01	CL-02	SOLID	7.90e01	7.25e+01	91.772	% Recovery
6	SPK	S96T001821	0	W	@IC-01	NO2-02	SOLID	5.37e02	5.58e+02	103.911	% Recovery
6	SPK	S96T001821	0	W	@IC-01	BR-02	SOLID	5.75e02	5.44e+02	94.609	% Recovery
6	SPK	S96T001821	0	W	@IC-01	NO3-02	SOLID	6.14e02	5.76e+02	93.811	% Recovery
6	SPK	S96T001821	0	W	@IC-01	PO4-02	SOLID	5.46e02	5.33e+02	97.619	% Recovery
6	SPK	S96T001821	0	W	@IC-01	SO4-02	SOLID	6.31e02	6.04e+02	95.721	% Recovery
6	SPK	S96T001821	0	W	@IC-01	OXALATE2	SOLID	5.09e02	4.98e+02	97.839	% Recovery

Final page for worklist# 8410

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/22/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 22-May-96

Worklist#: 8410

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001821
=>	5	DUP	S96T001821
=>	6	SPK	S96T001821

Data File: 8410MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051101.d03	INSTR. BLANK	1.00
	96051101.d04	133N9-F STD.	101.00
2	96051101.d05	133N9-F STD.	101.00
3	96051101.d06	PREP BLANK	1.00
4	96051101.d07	S96T001821	41.00
	96051101.d08	S96T001821	26.00
5	96051101.d09	S96T001821 DUP.	41.00
6	96051101.d10	S96T001821 SPIK	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/13/1996 09:41:24

Sample Name: INSTR. BLANK	Date: 05/11/1996 07:03:41
Data File : C:\DX\DATA\96051101.d03	
Method : C:\DX\METHOD\KIT.MET	HC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

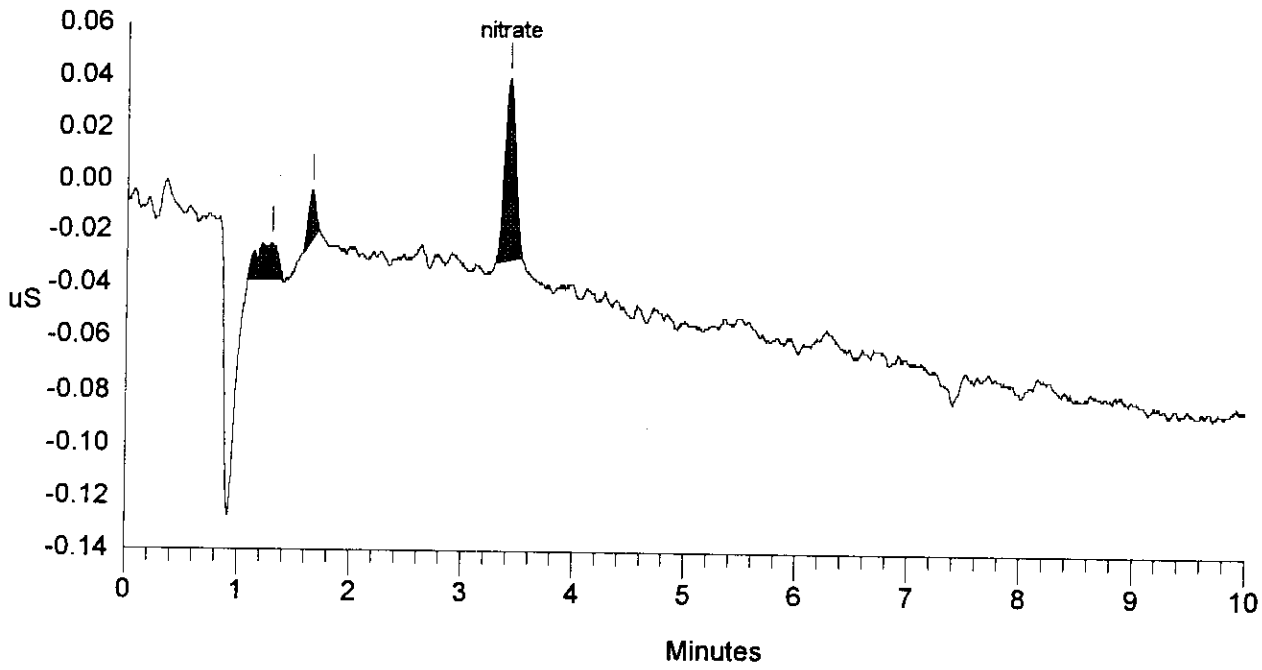
for EAR 7/15/96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.29		0.000	14	190	1	
3	3.41	nitrate	0.186	69	467	1	3.02
		Totals	0.186	83	657		

File: 96051101.d03 Sample: INSTR. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 747 TO 753.

Not used

Data Reprocessed On 05/13/1996 09:41:26

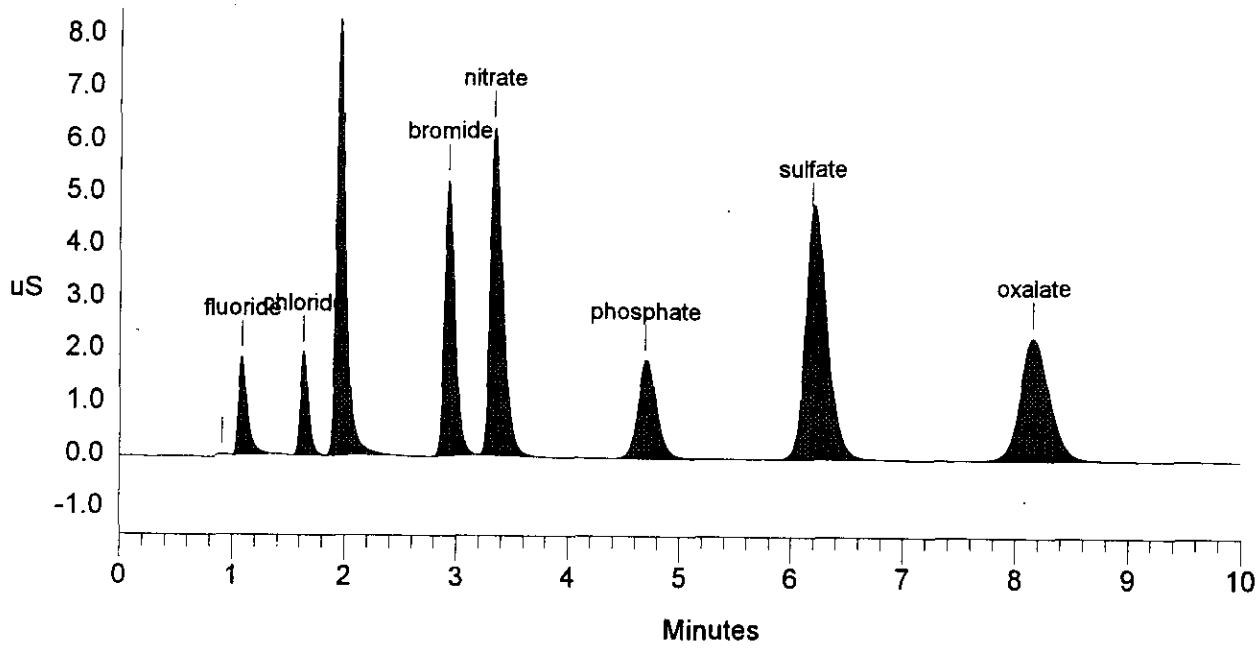
Sample Name: 133N9-F STD. Date: 05/11/1996 07:14:38
Data File : C:\DX\DATA\96051101.d04
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	26	106	1	
2	1.09	fluoride	55.396	1840	9887	1	1.88
3	1.63	chloride	71.584	1938	9539	1	-1.21
4	1.95	nitrite	516.949	8289	47996	1	-2.98
5	2.93	bromide	539.801	5238	33621	1	-1.13
6	3.34	nitrate	593.788	6222	48557	1	0.80
7	4.69	phosphate	526.801	1829	21477	1	-4.86
8	6.19	sulfate	600.709	4571	64167	1	-4.92
9	8.16	oxalate	494.562	2313	41358	1	-4.37
		Totals	3399.592	32267	276707		

File: 96051101.d04 Sample: 133N9-F STD.



Data Reprocessed On 05/13/1996 09:41:28

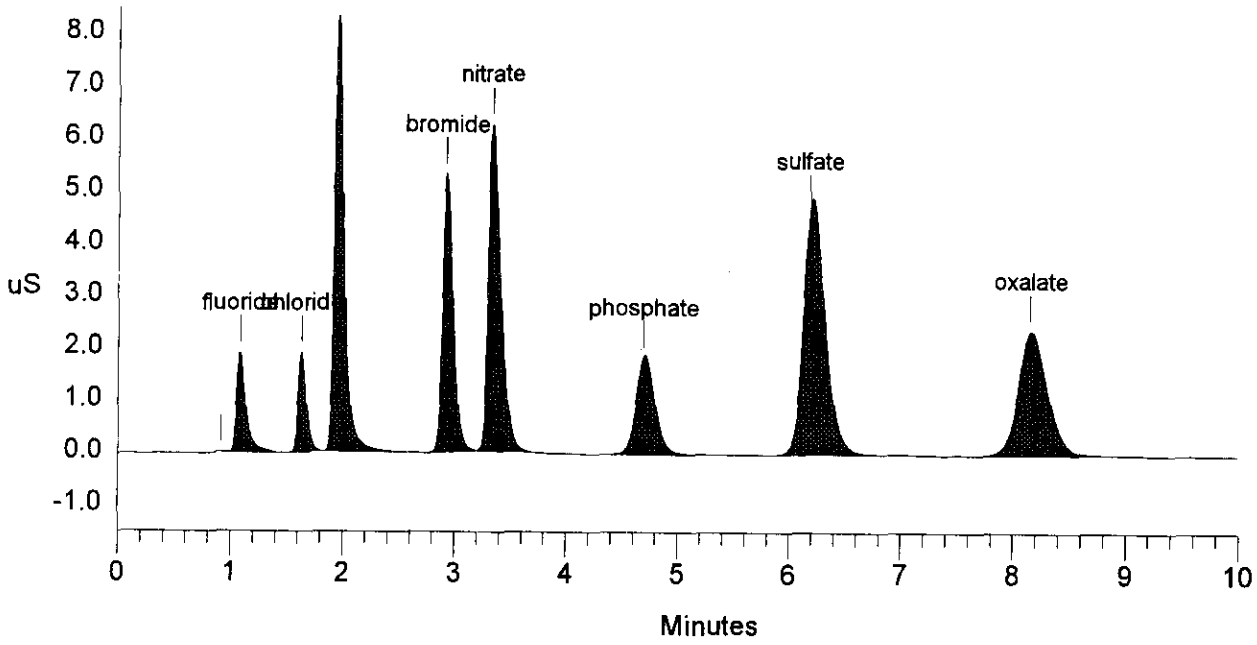
Sample Name: 133N9-F STD.	Date: 05/11/1996 07:50:46
Data File : C:\DX\DATA\96051101.d05	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.09	fluoride	61.829	1904	11096	2	1.88
3	1.63	chloride	72.348	1907	9642	1	-1.21
4	1.95	nitrite	542.897	8303	50479	1	-2.98
5	2.93	bromide	550.813	5288	34332	1	-1.13
6	3.34	nitrate	587.772	6222	48046	1	0.80
7	4.69	phosphate	542.507	1840	22133	1	-4.86
8	6.19	sulfate	611.406	4614	65343	1	-4.92
9	8.16	oxalate	502.694	2356	42050	1	-4.37
		Totals	3472.265	32434	283122		

File: 96051101.d05 Sample: 133N9-F STD.



Data Reprocessed On 05/13/1996 09:41:30

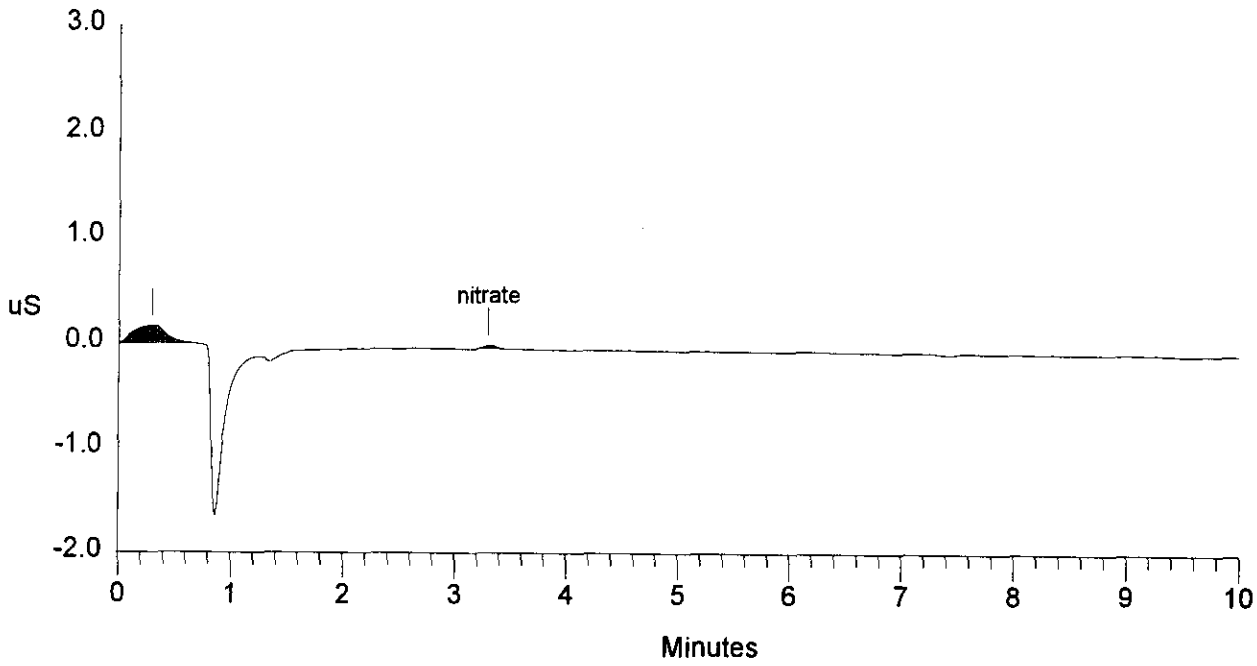
Sample Name: PREP BLANK Date: 05/11/1996 09:32:08
Data File : C:\DX\DATA\96051101.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.30		0.000	171	3294	1	
2	3.30	nitrate	0.154	32	205	1	-0.40
		Totals	0.154	203	3499		

File: 96051101.d06 Sample: PREP BLANK



Data Reprocessed On 05/13/1996 09:41:32

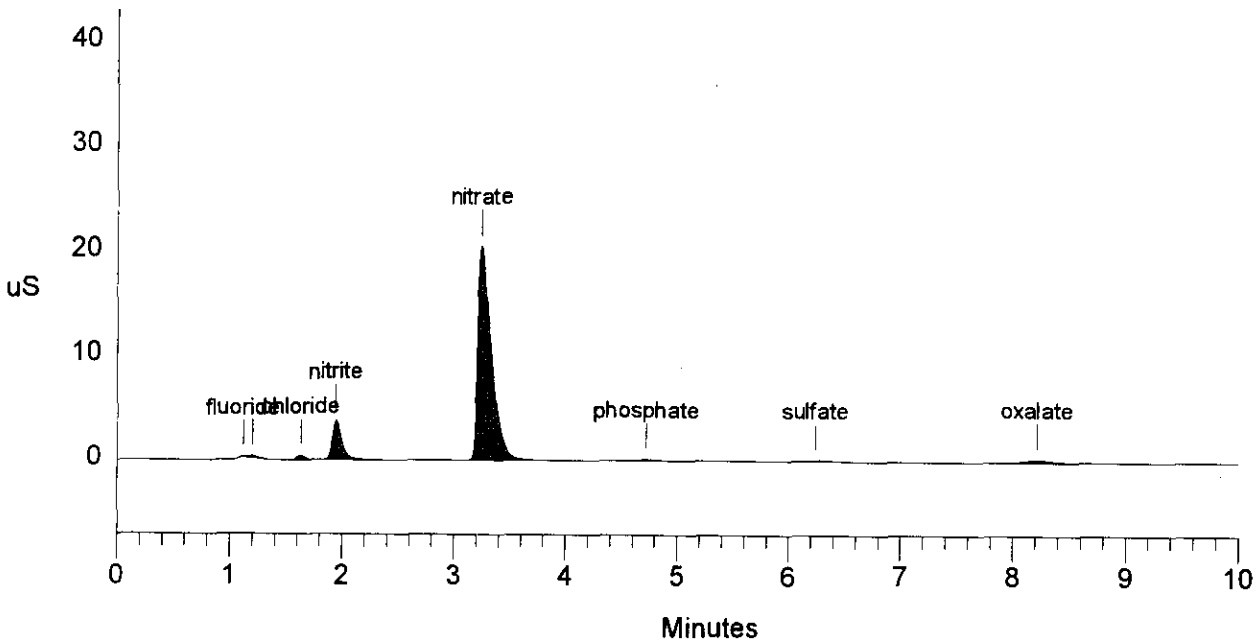
Sample Name: S96T001821	Date: 05/11/1996 10:55:05
Data File : C:\DX\DATA\96051101.d07	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.12	fluoride	1.005	62	140	2	5.00
2	1.20		0.000	255	1287	2	
3	1.63	chloride	7.246	462	2355	1	-1.21
4	1.95	nitrite	100.442	3764	22364	1	-3.31
5	3.25	nitrate	815.141	20436	173252	1	-2.01
6	4.72	phosphate	22.062	167	2072	1	-4.32
7	6.24	sulfate	10.205	120	2007	1	-4.10
8	8.21	oxalate	23.733	249	4459	1	-3.75
		Totals	979.834	25515	207936		

File: 96051101.d07 Sample: S96T001821



Data Reprocessed On 05/13/1996 09:41:36

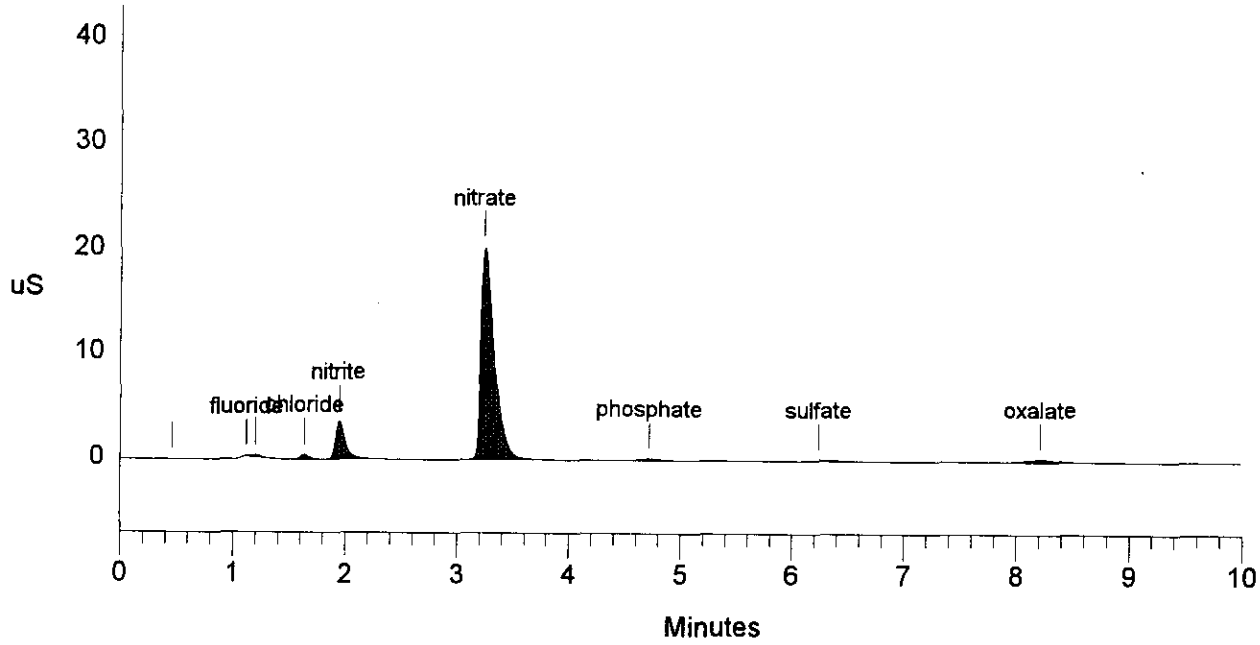
Sample Name: S96T001821 DUP. Date: 05/11/1996 11:24:28
Data File : C:\DX\DATA\96051101.d09
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	19	213	1	
2	1.12	fluoride	1.041	61	156	2	5.00
3	1.20		0.000	243	1174	2	
4	1.64	chloride	7.291	470	2369	1	-0.81
5	1.95	nitrite	97.962	3599	21786	1	-3.31
6	3.25	nitrate	797.351	20180	169236	1	-2.01
7	4.72	phosphate	22.071	167	2073	1	-4.32
8	6.24	sulfate	9.748	117	1888	1	-4.10
9	8.21	oxalate	24.977	256	4717	1	-3.75
		Totals	960.441	25111	203612		

File: 96051101.d09 Sample: S96T001821 DUP.



Data Reprocessed On 05/13/1996 09:41:38

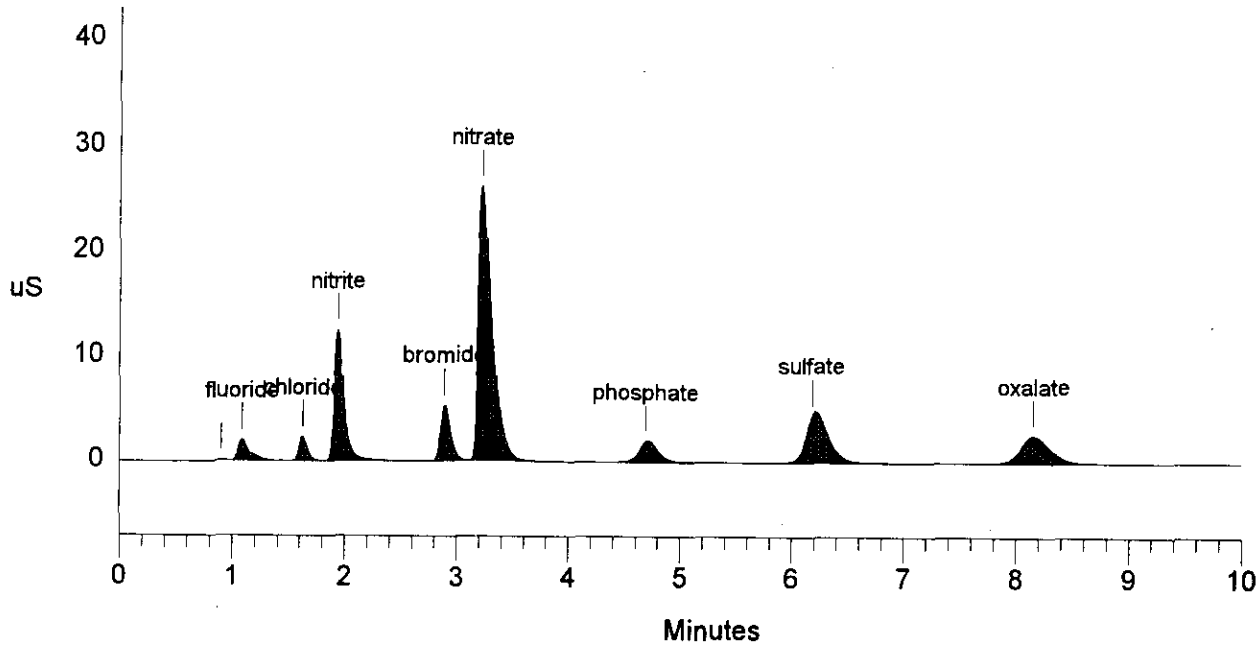
Sample Name: S96T001821 SPIKE Date: 05/11/1996 11:36:00
Data File : C:\DX\DATA\96051101.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	81	413	2	
2	1.09	fluoride	32.420	2043	14514	2	1.88
3	1.63	chloride	36.266	2350	11943	1	-1.61
4	1.94	nitrite	323.502	12445	74942	1	-3.64
5	2.89	bromide	217.707	5403	33395	1	-2.25
6	3.23	nitrate	1045.616	26057	226272	1	-2.62
7	4.69	phosphate	235.106	1933	23667	1	-4.86
8	6.19	sulfate	251.781	4476	66315	1	-4.92
9	8.16	oxalate	222.931	2581	46015	1	-4.37
		Totals	2365.330	57369	497476		

File: 96051101.d10 Sample: S96T001821 SPIKE



LABCORE Data Entry Template for Worklist# 8761

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001858	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001858	0	W	@IC-01	SOLID		
6	SPK	S96T001858	0	W	@IC-01	SOLID		

Final page for worklist # 8761

Signature A Hachel 5/30/96
Analyst Signature **Date**

Analyst Signature **Date**

Uploaded 6/20/96 JMFuge
Validated 6/20/96

Data Entry Comments: Prep Blank was not analyzed with the rest of the batch, it was in a second prep can. It was analyzed later when found. JMF

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8761

Analyst: eal **Instrument:** IC01 **Book#** 133A19E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		2.10e-02	0.021	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		1.53e-01	0.153	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.70e+01	96.610	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.48e+01	94.684	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02		5.40e+02	100.559	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.60e+02	97.391	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		6.29e+02	102.443	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.53e+02	101.282	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.33e+02	100.317	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02		5.13e+02	100.786	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	F-02	SOLID	N/A		2.069e+03	132.000	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	CL-02	SOLID	N/A		3.228e+03	172.600	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	NO2-02	SOLID	N/A		3.885e+04	1086.000	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	BR-02	SOLID	N/A	<	1.279e+03	1279.000	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	NO3-02	SOLID	N/A		2.845e+05	1420.000	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	PO4-02	SOLID	N/A		1.764e+04	1207.000	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	SO4-02	SOLID	N/A		9.526e+03	1380.000	ug/g
4	SAMPLE	S96T001858	W	0	@IC-01	OXALATE2	SOLID	N/A		1.010e+04	1066.000	ug/g
5	DUP	S96T001858	W	0	@IC-01	F-02	SOLID	2.07e+03		2.14e+03	3.325	RPD
5	DUP	S96T001858	W	0	@IC-01	CL-02	SOLID	3.23e+03		3.21e+03	0.621	RPD
5	DUP	S96T001858	W	0	@IC-01	NO2-02	SOLID	3.88e+04		4.08e+04	5.025	RPD
5	DUP	S96T001858	W	0	@IC-01	BR-02	SOLID	<1.28e3		<1.28e3		RPD
5	DUP	S96T001858	W	0	@IC-01	NO3-02	SOLID	2.84e+05		2.98e+05	4.811	RPD
5	DUP	S96T001858	W	0	@IC-01	PO4-02	SOLID	1.76e+04		1.79e+04	1.690	RPD
5	DUP	S96T001858	W	0	@IC-01	SO4-02	SOLID	9.53e+03		9.77e+03	2.487	RPD
5	DUP	S96T001858	W	0	@IC-01	OXALATE2	SOLID	1.01e+04		1.02e+04	0.985	RPD
6	SPK	S96T001858	W	0	@IC-01	F-02	SOLID	5.90e01		7.86e+01	133.220	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8761

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001858	0	W	@IC-01	CL-02	SOLID	7.90e01	7.29e+01	92.278	% Recovery
6	SPK	S96T001858	0	W	@IC-01	NO2-02	SOLID	5.37e02	5.73e+02	106.704	% Recovery
6	SPK	S96T001858	0	W	@IC-01	BR-02	SOLID	5.75e02	5.47e+02	95.130	% Recovery
6	SPK	S96T001858	0	W	@IC-01	NO3-02	SOLID	6.14e02	7.42e+02	120.847	% Recovery
6	SPK	S96T001858	0	W	@IC-01	PO4-02	SOLID	5.46e02	5.48e+02	100.366	% Recovery
6	SPK	S96T001858	0	W	@IC-01	SO4-02	SOLID	6.31e02	6.17e+02	97.781	% Recovery
6	SPK	S96T001858	0	W	@IC-01	OXALATE2	SOLID	5.09e02	5.00e+02	98.232	% Recovery

Final page for worklist# 8761

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date

Validated 6/20/96 JME

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Data Entry Template for Worklist# 8761

Analyst: EAL **Instrument:** IC00 _____ **Book#** 13309-F

Method: LA-533-105 **Rev/Mod** D1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T001858	0	W	@IC-01	SOLID	96000323	U-105 (R)
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
4	DUP	S96T001858	0	W	@IC-01	SOLID		
5	SPK	S96T001858	0	W	@IC-01	SOLID		

Final page for worklist # 8761

A Lambert 5.17.96
Analyst Signature **Date**

Analyst Signature **Date**

Exported
In Shell 5/26/96

Data Entry Comments: Batch 4760

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 20-Jun-96

Worklist#: 8761

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001858
=>	5	DUP	S96T001858
=>	6	SPK	S96T001858

Data File: 8761MY2.CSV

Seq#	Data File	Sample Name	Dilution
1	96051631.d17	INSTR BLANK	1.00
2	96051631.d18	133N9-F STD	101.00
4	96051631.d19	S96T001858	51.00
6	96051631.d20	S96T001858 DUP	51.00
5	96051631.d21	S96T001858 SPIKE	51.00
3	96062001.d03	PREP. BLANK	1.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

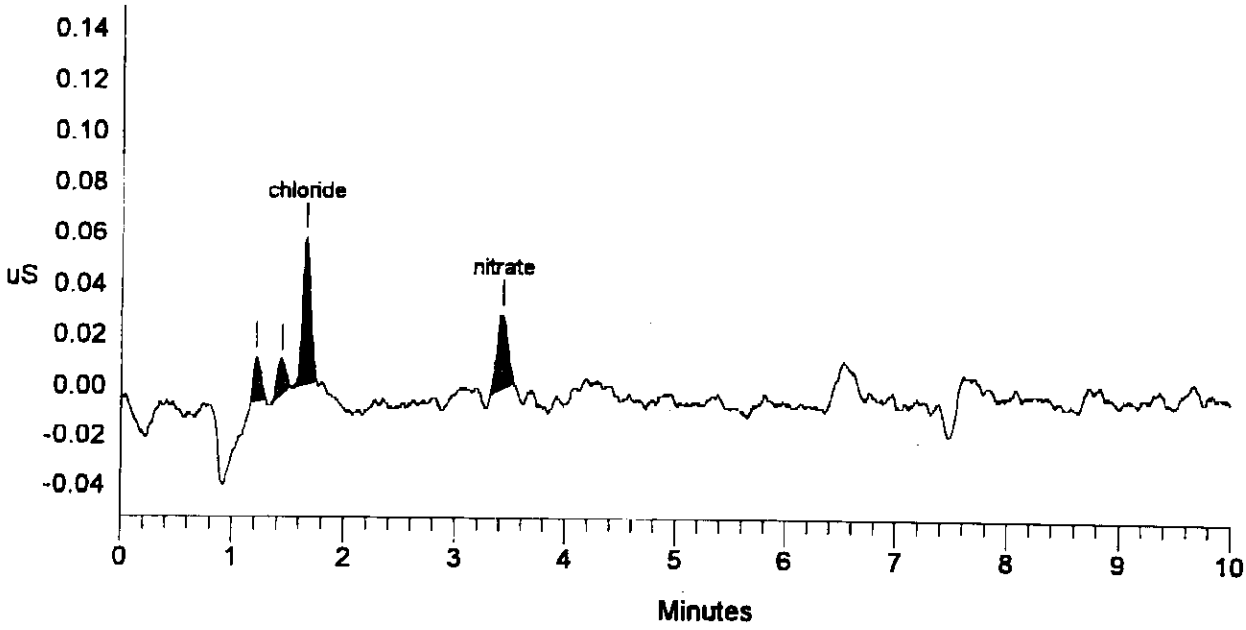
Sample Name: INSTR BLANK
Date: 05/16/1996 23:52:56
Data File : C:\DX\DATA\96051631.D17
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 17
Detector: CDM-1
Analyst : A Lambel 5/17/96
Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	1.65	chloride	0.021	57	274	1	0.00
4	3.43	nitrate	0.153	28	190	1	3.42
		Totals	0.173	85	465		

File: 96051631.D17 Sample: INSTR BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 759 TO 764.

101 0761001058

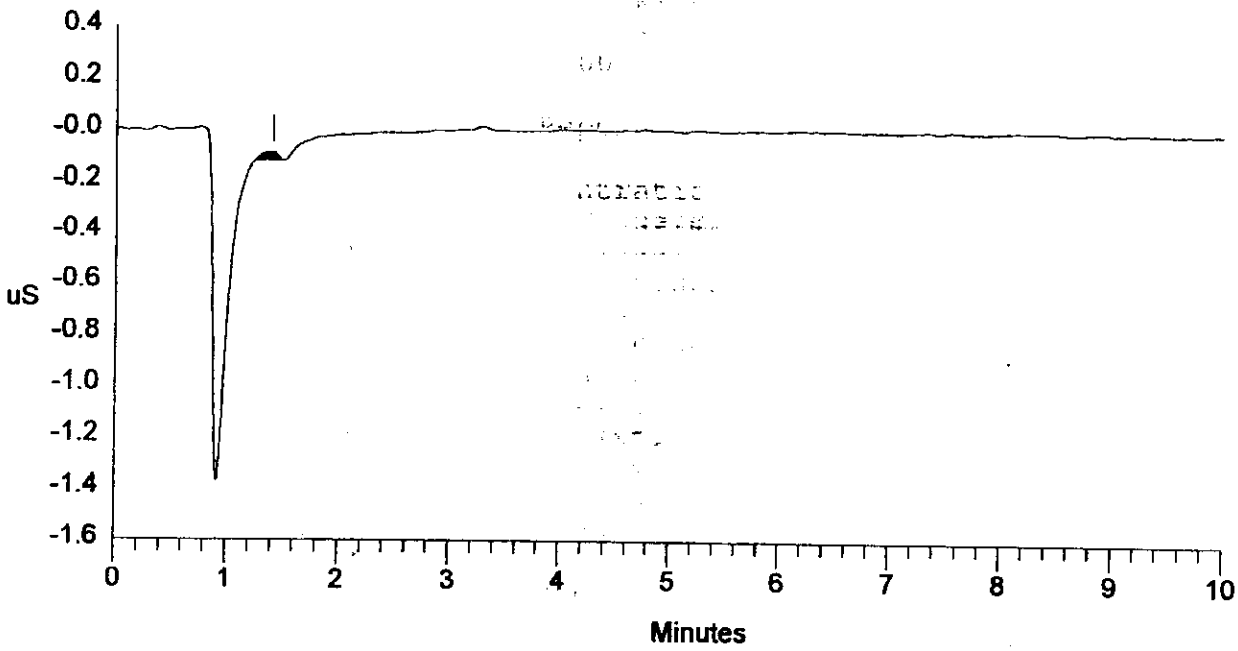
Sample Name: PREP. BLANK
Date: 06/20/1996 14:20:36
Data File : C:\DX\DATA\96062001.D03
WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.41		0.000	33	325	1	
		Totals	0.000	33	325		

File: 96062001.D03 Sample: PREP. BLANK



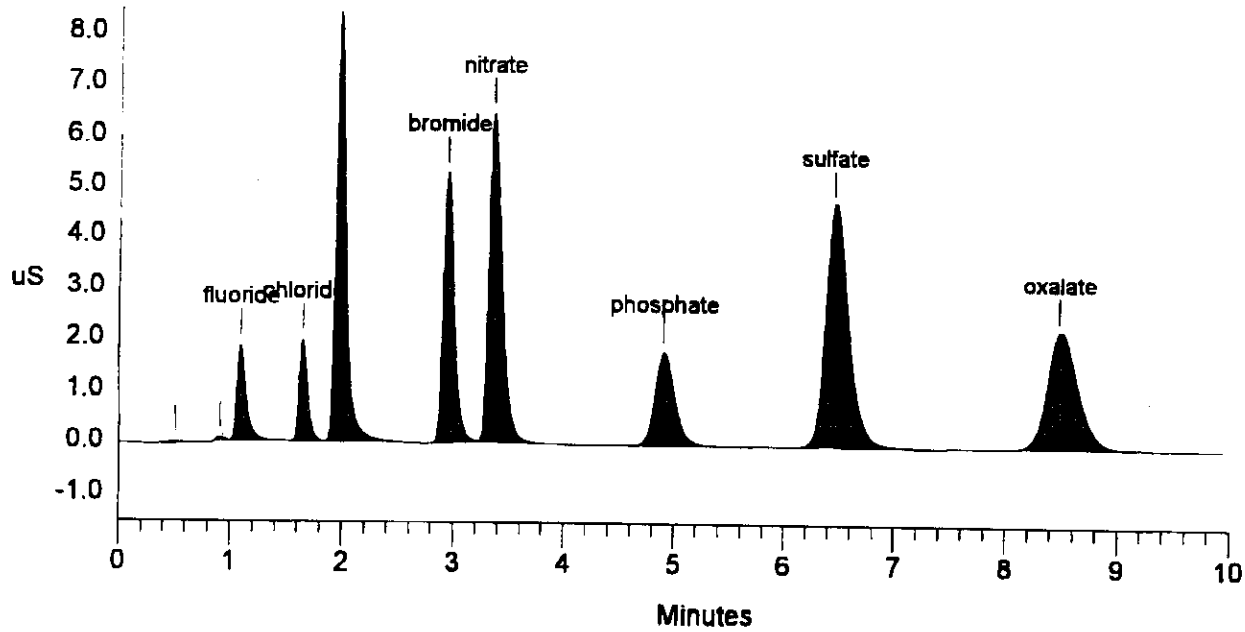
Sample Name: 133N9-F STD
Date: 05/17/1996 00:04:46
Data File : C:\DX\DATA\96051631.D18
WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 18 Detector: CDM-1
Analyst : C Lambel Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.51		0.000	18	235	1	
2	0.91		0.000	70	329	2	
3	1.09	fluoride	57.024	1854	10193	2	2.50
4	1.65	chloride	74.797	1970	9972	1	-0.40
5	1.97	nitrite	539.686	8295	50172	1	-2.32
6	2.94	bromide	560.021	5279	34927	1	-0.68
7	3.35	nitrate	629.105	6385	51556	1	1.21
8	4.91	phosphate	553.022	1788	22573	1	-0.54
9	6.45	sulfate	632.588	4693	67674	1	-0.82
10	8.48	oxalate	513.045	2228	42933	1	-0.62
		Totals	3559.288	32581	290563		

File: 96051631.D18 Sample: 133N9-F STD



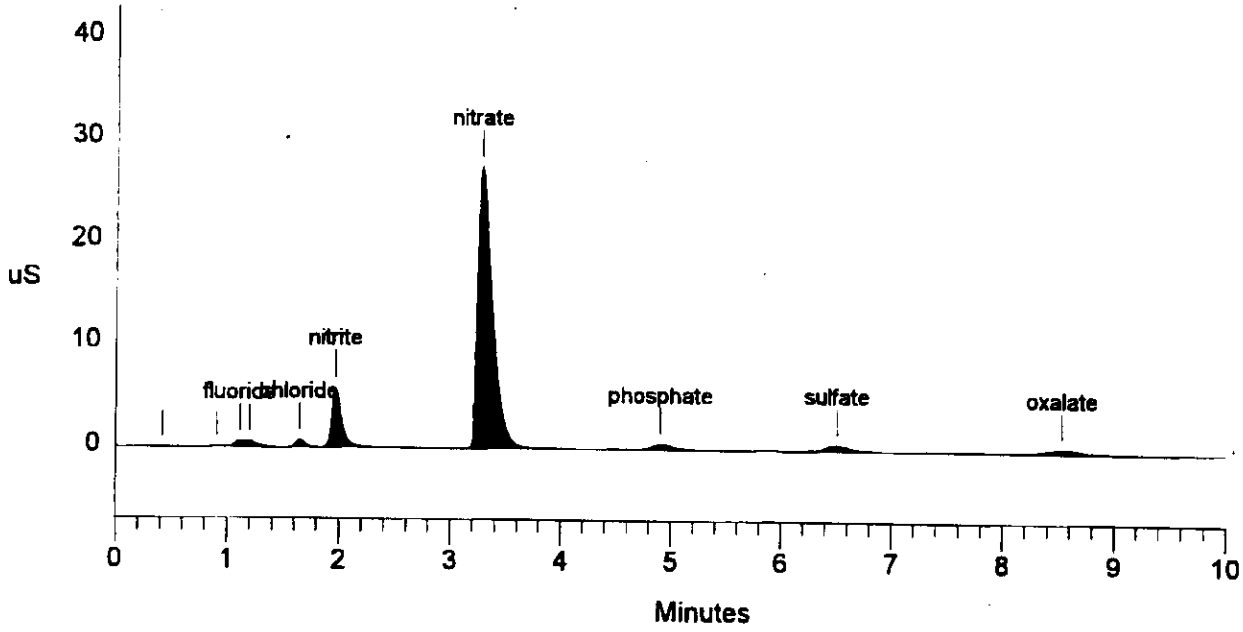
Sample Name: S96T001858 Date: 05/17/1996 00:19:37
Data File : C:\DX\DATA\96051631.D19 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 19 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.42		0.000	15	159	1	
2	0.91		0.000	104	565	2	
3	1.11	fluoride	10.394	656	3437	2	4.37
4	1.20		0.000	605	4068	2	
5	1.65	chloride	16.214	805	4248	1	-0.40
6	1.97	nitrite	195.136	5814	35547	1	-2.32
7	3.27	nitrate	1429.191	27312	250673	1	-1.21
8	4.91	phosphate	88.612	535	6988	1	-0.54
9	6.51	sulfate	47.850	616	9413	1	0.00
10	8.53	oxalate	50.720	412	7989	1	0.00
		Totals	1838.119	36874	323088		

File: 96051631.D19 Sample: S96T001858



Sample Name: S96T001858 ~~SPIKE~~ Dup Date: 05/17/1996 00:42:49
Data File : C:\DX\DATA\96051631.D21
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 21 Detector:CDM-1
Analyst : A Lambel Column: AG4A/AS4A anion column

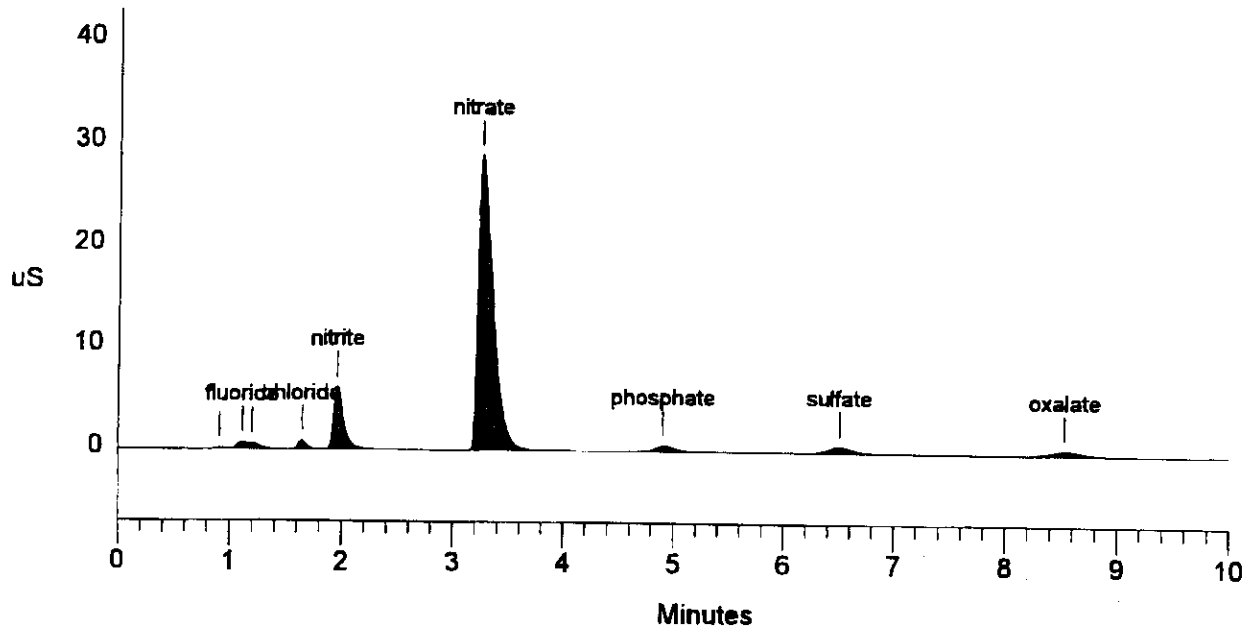
WHC-SD-WM-DP-182, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	118	683	2	
2	1.11	fluoride	10.793	682	3582	2	4.37
3	1.20		0.000	624	4198	2	
4	1.65	chloride	16.203	816	4245	1	-0.40
5	1.96	nitrite	205.437	6095	37489	1	-2.65
6	3.25	nitrate	1504.282	28734	265120	1	-1.81
7	4.91	phosphate	90.400	553	7133	1	-0.54
8	6.51	sulfate	49.239	643	9706	1	0.00
9	8.53	oxalate	51.237	432	8075	1	0.00
		Totals	1927.592	38698	340230		

File: 96051631.D21 Sample: S96T001858 SPIKE



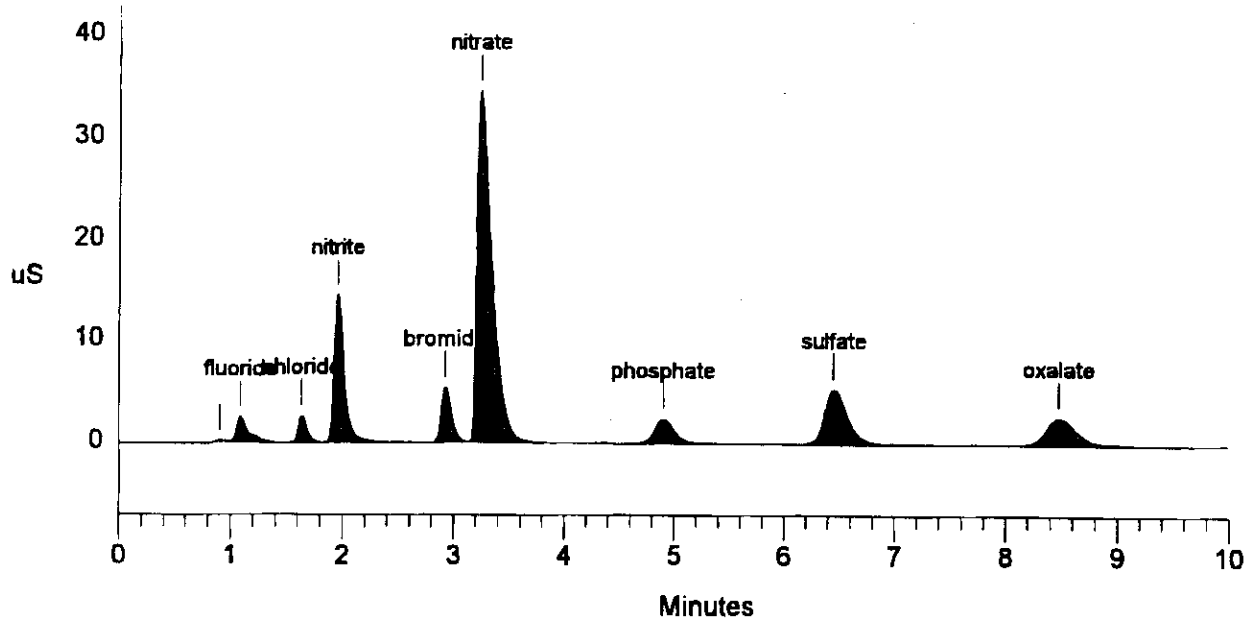
Sample Name: S96T001858 ~~DUP~~ SPIKE amF 6/24/96 Date: 05/17/1996 00:31:57
Data File : C:\DX\DATA\96051631.D20 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 20 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	183	963	2	
2	1.09	fluoride	49.718	2444	18085	2	2.50
3	1.64	chloride	52.649	2656	13976	1	-0.81
4	1.96	nitrite	481.673	14456	90198	1	-2.65
5	2.93	bromide	273.355	5393	33721	1	-1.13
6	3.25	nitrate	1800.328	34370	323547	1	-2.01
7	4.91	phosphate	362.826	2370	29536	1	-0.54
8	6.45	sulfate	356.315	5317	75738	1	-0.82
9	8.48	oxalate	300.534	2649	49945	1	-0.62
		Totals	3677.398	69839	635711		

File: 96051631.D20 Sample: S96T001858 DUP



LABCORE Data Entry Template for Worklist# 9108

Analyst: [illegible] **Instrument:** IC00 _____ **Book#** 136119-A

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: Rerun Br to get < below limit, use 41 df. jmf

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001817	0	W	@IC-01	SOLID	96000323	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T001817	0	W	@IC-01	SOLID		
6	SAMPLE	S96T001818	0	W	@IC-01	SOLID	96000323	U-105 (R)
		Analytes Requested: BR-02						
7	DUP	S96T001818	0	W	@IC-01	SOLID		
8	SPK	S96T001818	0	W	@IC-01	SOLID		

Final page for worklist # 9108

[illegible] 5/25/96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 9108 may.csv
Installed
Upload Hea 5-31-96
Validated Hea 5-31-96

Data Entry Comments:
96052531.D11, D14
96052511.D01 D06

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 9108

Analyst: krq **Instrument:** IC01 **Book#** 136N9A

Method: LA533105 Rev/Mod D-1

Worklist Comment: Rerun Br to get < below limit, use 41 df. jmf

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	7.00e-02	0.070	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.72e-01	0.172	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.75e+01	97.458	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.24e+01	91.646	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02	5.28e+02	96.350	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.50e+02	95.652	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.00e+02	97.720	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.30e+02	97.070	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.16e+02	97.623	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02	5.06e+02	98.252	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001817		0 W	@IC-01	BR-02	SOLID	N/A <	9.295e+02	929.500	ug/g
5	DUP	S96T001817		0 W	@IC-01	BR-02	SOLID	<9.30e2	<9.69e2		RPD
6	SAMPLE	S96T001818		0 W	@IC-01	BR-02	SOLID	N/A <	1.033e+03	1033.000	ug/g
7	DUP	S96T001818		0 W	@IC-01	BR-02	SOLID	<1.03e3	<1.03e3		RPD
8	SPK	S96T001818		0 W	@IC-01	BR-02	SOLID	5.75e02	5.35e+02	93.043	% Recovery

Final page for worklist# 9108

Analyst Signature **Date** **Analyst Signature** **Date**

H Anastn 5-31-96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 31-May-96

Worklist#: 9108

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S96T001817
	=>	5	DUP	S96T001817
	=>	6	SAMPLE	S96T001818
	=>	7	DUP	S96T001818
	=>	8	SPK	S96T001818
+				

Data File: 9108MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96052531.d11	CCB	1.00
	2	96052531.d14	CCV 136N9-A	101.00
	3	96052511.d01	BLANK PREP	1.00
	4	96052511.d02	S96T001817 SAMPL	41.00
	5	96052511.d03	S96T001817 DUP	41.00
	6	96052511.d04	S96T001818 SAMPL	41.00
	7	96052511.d05	S96T001818 DUP	41.00
	8	96052511.d06	S96T001818 SPIKE	41.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/28/1996 11:29:14

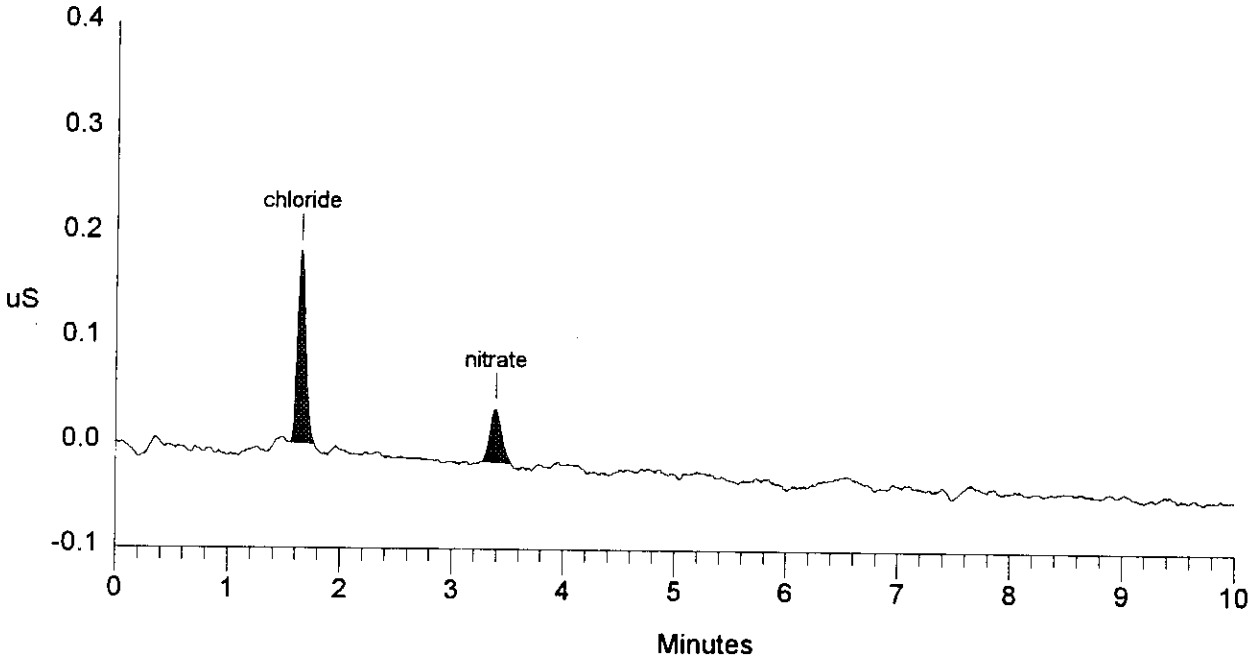
Sample Name: CCB	Date: 05/25/1996 01:46:56
Data File : C:\DX\DATA\96052531.d11	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.65	chloride	0.070	183	931	1	-0.40
2	3.39	nitrate	0.172	50	355	1	2.41
		Totals	0.243	233	1287		

File: 96052531.d11 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 768 TO 775.

Data Reprocessed On 05/28/1996 11:29:16

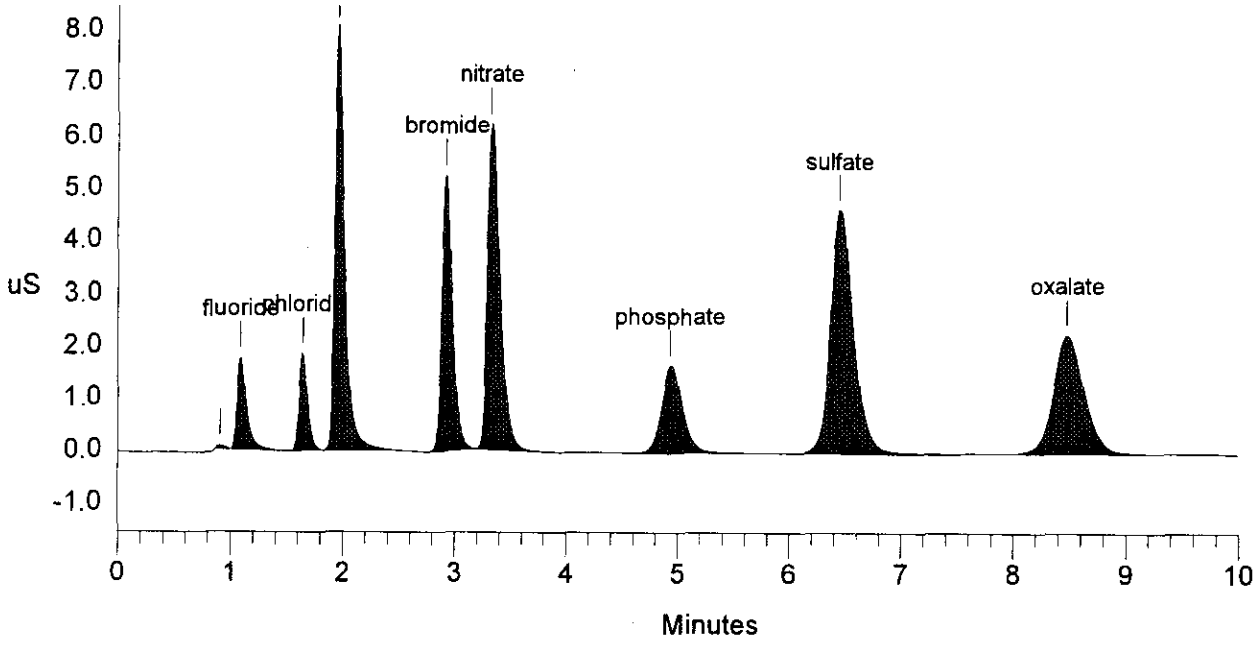
Sample Name: CCV 136N9-A Date: 05/25/1996 02:40:47
Data File : C:\DX\DATA\96052531.d14
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 14 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	69	337	2	
2	1.09	fluoride	57.463	1762	10275	2	2.50
3	1.65	chloride	72.409	1864	9650	1	-0.40
4	1.96	nitrite	527.957	8029	49049	1	-2.65
5	2.93	bromide	550.127	5250	34287	1	-1.13
6	3.33	nitrate	599.824	6186	49069	1	0.60
7	4.93	phosphate	529.723	1648	21599	1	0.00
8	6.45	sulfate	615.580	4594	65802	1	-0.82
9	8.48	oxalate	505.735	2246	42310	1	-0.62
		Totals	3458.818	31648	282378		

File: 96052531.d14 Sample: CCV 136N9-A



Data Reprocessed On 05/28/1996 11:29:19

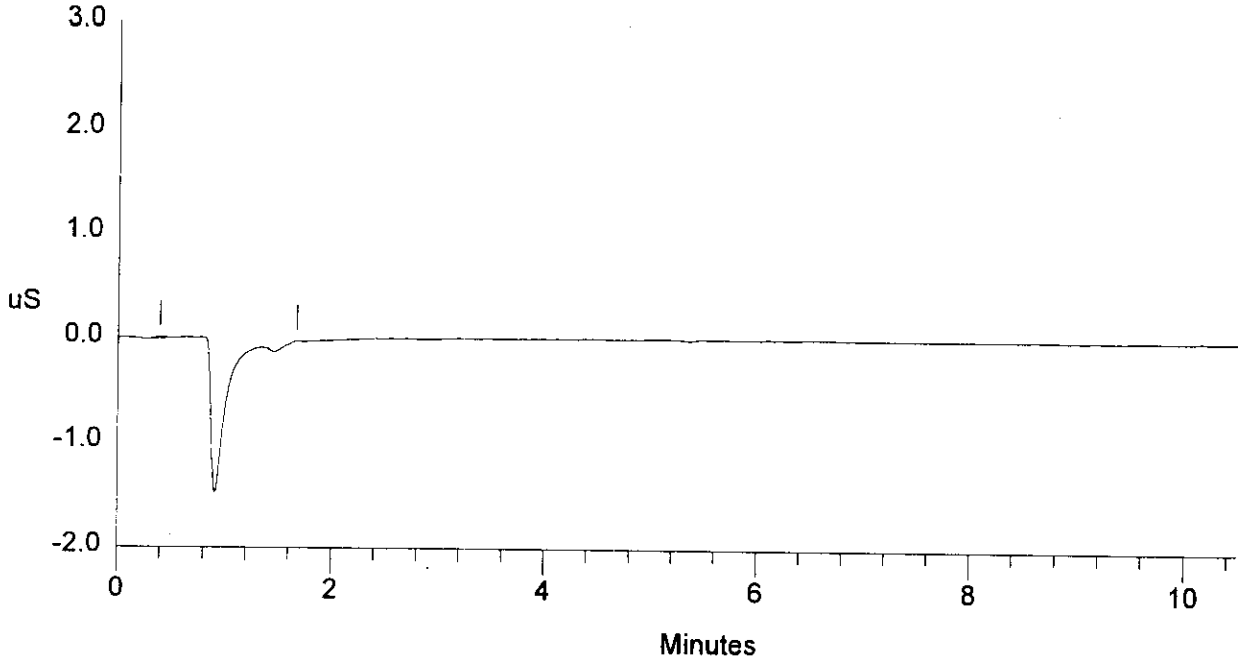
Sample Name: BLANK PREP Date: 05/25/1996 03:21:10
Data File : C:\DX\DATA\96052511.d01
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.39		0.000	16	109	1	
		Totals	0.000	16	109		

File: 96052511.d01 Sample: BLANK PREP



Data Reprocessed On 05/28/1996 11:29:21

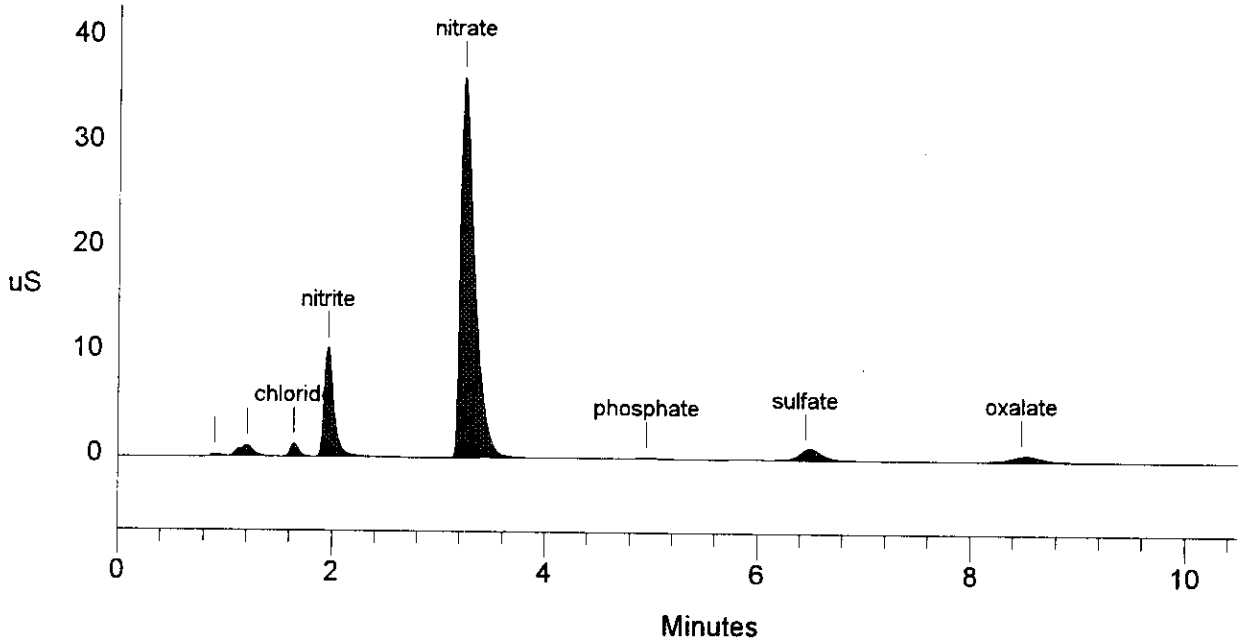
Sample Name: S96T001817 SAMPLE	Date: 05/25/1996 03:34:22
Data File : C:\DX\DATA\96052511.d02	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	203	1214	2	
2	1.21		0.000	1075	10466	2	
3	1.64	chloride	20.118	1198	6577	1	-0.81
4	1.96	nitrite	284.181	10399	65582	1	-2.65
5	3.23	nitrate	1496.470	36130	335923	1	-2.41
6	4.96	phosphate	18.245	133	1692	1	0.54
7	6.45	sulfate	66.155	977	16697	1	-0.82
8	8.48	oxalate	57.765	546	11512	1	-0.62
		Totals	1942.934	50661	449663		

File: 96052511.d02 Sample: S96T001817 SAMPLE



Data Reprocessed On 05/28/1996 11:29:24

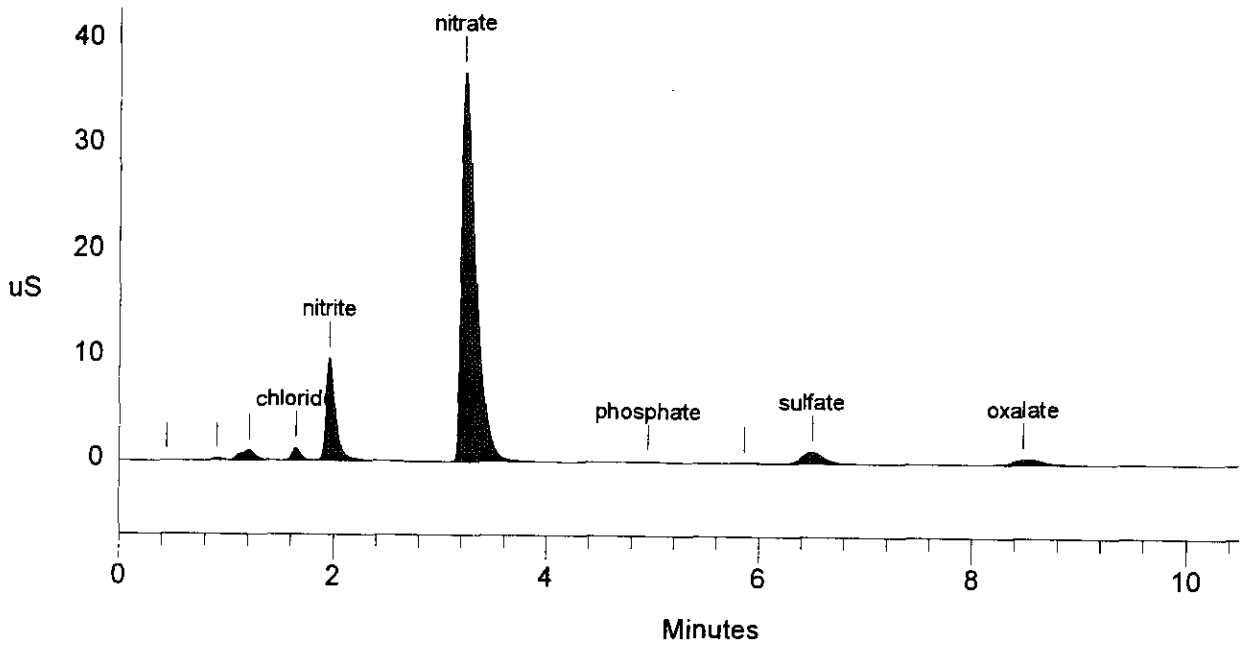
Sample Name: S96T001817 DUP Date: 05/25/1996 03:47:35
Data File : C:\DX\DATA\96052511.d03
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.44		0.000	22	325	1	
2	0.91		0.000	192	1123	2	
3	1.21		0.000	1012	9902	2	
4	1.65	chloride	19.495	1208	6372	1	-0.40
5	1.96	nitrite	263.176	9820	60598	1	-2.65
6	3.23	nitrate	1535.151	36829	345744	1	-2.41
7	4.96	phosphate	17.421	115	1610	1	0.54
8	5.87		0.000	18	324	1	
9	6.51	sulfate	62.807	1088	15815	1	0.00
10	8.48	oxalate	53.690	518	10667	1	-0.62
		Totals	1951.741	50822	452479		

File: 96052511.d03 Sample: S96T001817 DUP



Data Reprocessed On 05/28/1996 11:29:27

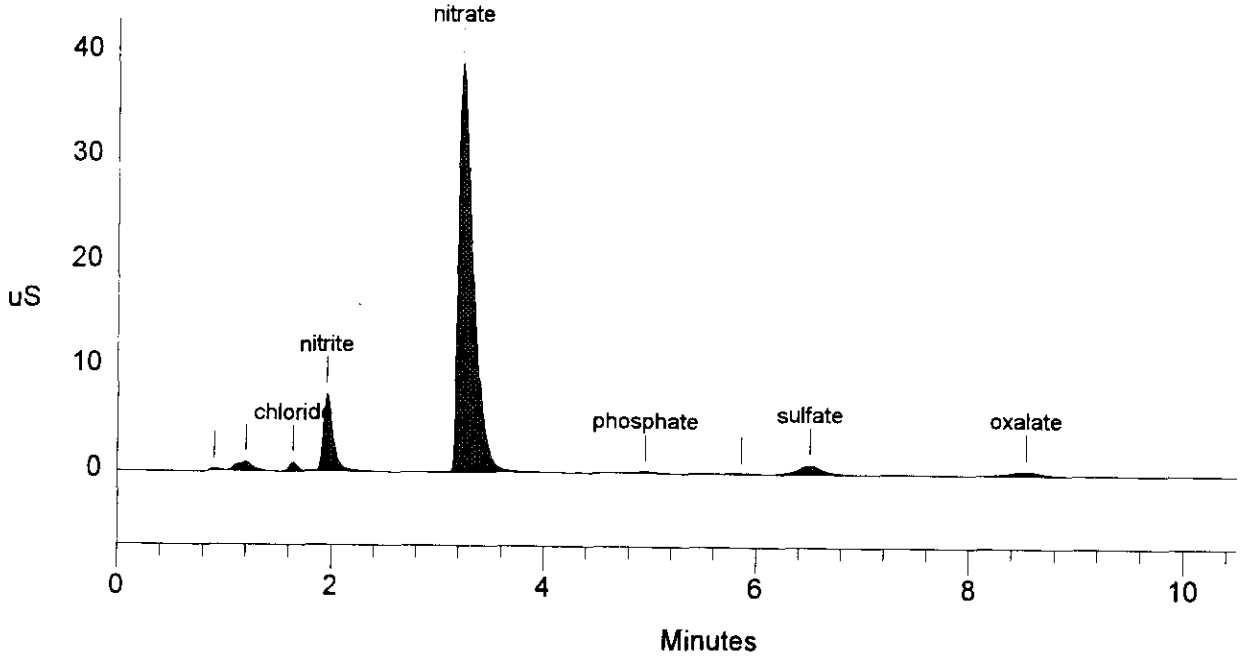
Sample Name: S96T001818 SAMPLE Date: 05/25/1996 04:00:49
Data File : C:\DX\DATA\96052511.d04
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	174	1028	2	
2	1.20		0.000	843	8650	2	
3	1.64	chloride	13.633	830	4444	1	-0.81
4	1.96	nitrite	200.724	7324	45846	1	-2.65
5	3.23	nitrate	1628.543	38766	369752	1	-2.62
6	4.96	phosphate	23.860	158	2251	1	0.54
7	5.87		0.000	28	892	1	
8	6.51	sulfate	49.678	851	12359	1	0.00
9	8.53	oxalate	39.273	389	7678	1	0.00
		Totals	1955.711	49364	452900		

File: 96052511.d04 Sample: S96T001818 SAMPLE



Data Reprocessed On 05/28/1996 11:29:29

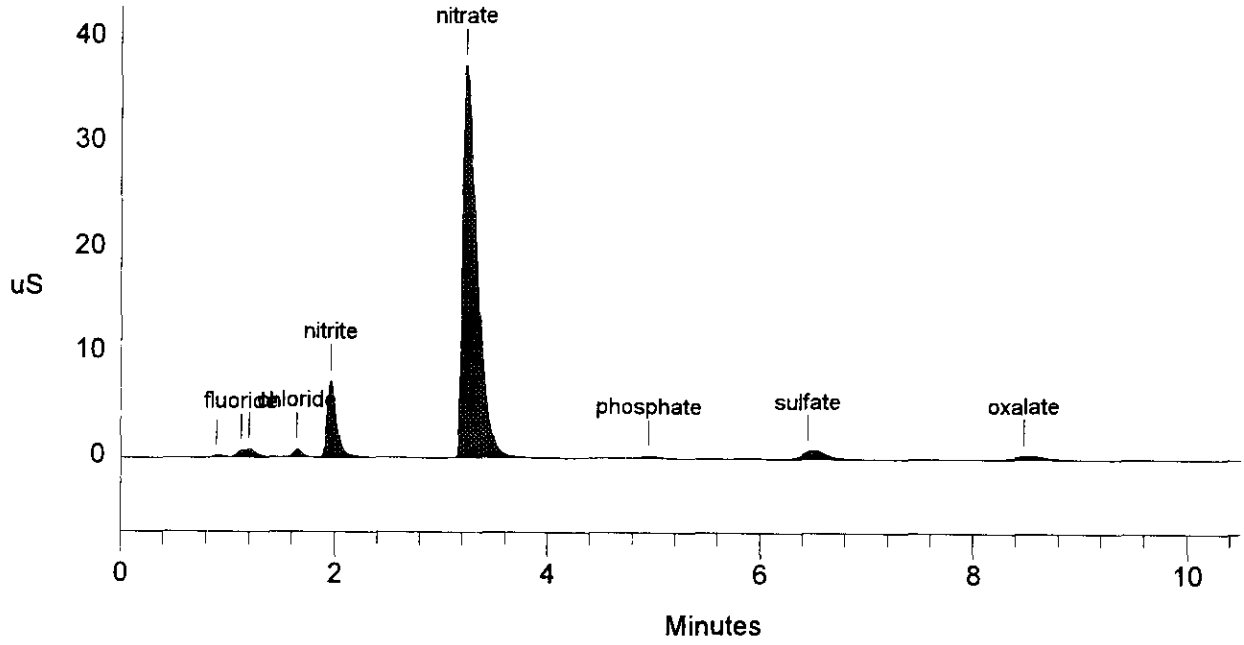
Sample Name: S96T001818 DUP Date: 05/25/1996 04:14:00
Data File : C:\DX\DATA\96052511.d05
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	167	988	2	
2	1.13	fluoride	7.394	694	3003	2	5.30
3	1.20		0.000	842	5689	2	
4	1.65	chloride	13.574	819	4425	1	-0.40
5	1.96	nitrite	199.716	7312	45609	1	-2.65
6	3.23	nitrate	1569.178	37280	354441	1	-2.41
7	4.96	phosphate	30.435	236	2906	1	0.54
8	6.45	sulfate	49.772	731	12383	1	-0.82
9	8.48	oxalate	38.597	360	7537	1	-0.62
		Totals	1908.665	48440	436982		

File: 96052511.d05 Sample: S96T001818 DUP



Data Reprocessed On 05/28/1996 11:29:32

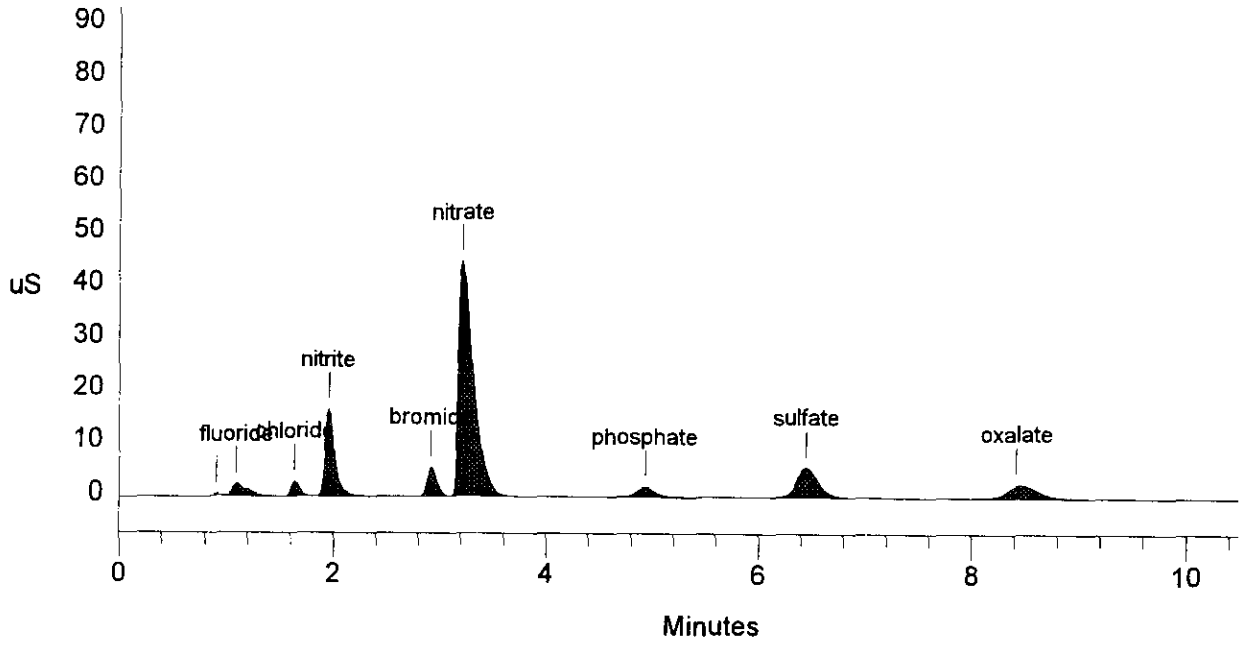
Sample Name: S96T001818 SPIKE	Date: 05/25/1996 04:27:14
Data File : C:\DX\DATA\96052511.d06	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 6	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	225	1181	2	
2	1.10	fluoride	40.317	2110	18251	2	2.80
3	1.64	chloride	43.101	2700	14237	1	-0.81
4	1.96	nitrite	434.250	16289	101526	1	-2.65
5	2.92	bromide	213.947	5320	32798	1	-1.35
6	3.21	nitrate	1863.189	44394	432073	1	-3.02
7	4.93	phosphate	229.585	1795	23098	1	0.00
8	6.45	sulfate	294.208	5500	77854	1	-0.82
9	8.43	oxalate	237.668	2475	49116	1	-1.25
		Totals	3356.265	80809	750133		

File: 96052511.d06 Sample: S96T001818 SPIKE



LABCORE Data Entry Template for Worklist# 9134

Analyst: [signature] **Instrument:** IC00 _____ **Book#** 136R19-A

Method: LA-533-105 **Rev/Mod** R1

Worklist Comment: Rerun Br U-105, < was above project limit, use 41 df. JMF

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001819	0	W	@IC-01	SOLID	96000323	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T001819	0	W	@IC-01	SOLID		
6	SAMPLE	S96T001820	0	W	@IC-01	SOLID	96000323	U-105 (R)
		Analytes Requested: BR-02						
7	DUP	S96T001820	0	W	@IC-01	SOLID		

Final page for worklist # 9134

[signature] 5/30/96

Analyst Signature **Date** **Analyst Signature** **Date**

9134may.csv
Inshell
upload Hea 5-31-96
Validated Hea 5-31-96

Data Entry Comments: 96052541.D01, D02, 96052521.D01 -> D06

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 9134

Analyst: krq **Instrument:** IC01 **Book#** 136N9A

Method: LA533105 Rev/Mod D-1

Worklist Comment: Rerun Br U-105, < was above project limit, use 41 df. JMF

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	1.36e-01	0.136	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.88e+01	99.661	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.61e+01	96.329	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02	5.47e+02	99.818	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.73e+02	99.652	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.29e+02	102.443	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.59e+02	102.381	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.39e+02	101.268	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02	5.30e+02	102.913	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001819	W	0	@IC-01	BR-02	SOLID	N/A <	9.418e+02	941.800	ug/g
5	DUP	S96T001819	W	0	@IC-01	BR-02	SOLID	<9.42e2	<9.41e2		RPD
6	SAMPLE	S96T001820	W	0	@IC-01	BR-02	SOLID	N/A <	9.062e+02	906.100	ug/g
7	DUP	S96T001820	W	0	@IC-01	BR-02	SOLID	<9.06e2	<9.06e2		RPD

Final page for worklist# 9134

Analyst Signature **Date** **Analyst Signature** **Date**

J. Anestis 5-31-96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 31-May-96

Worklist#: 9134

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S96T001819
	=>	5	DUP	S96T001819
	=>	6	SAMPLE	S96T001820
	=>	7	DUP	S96T001820
+				

Data File: 9134MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96052541.d01	CCB	1.00
	2	96052541.d02	CCV 136N9-A	101.00
	3	96052521.d01	BLANK PREP	1.00
	4	96052521.d02	S96T001819 SAMPL	41.00
	5	96052521.d03	S96T001819 DUP	41.00
	6	96052521.d04	S96T001820 SAMPL	41.00
	7	96052521.d05	S96T001820 DUP	41.00
		96052521.d06	S96T001820 SPIKE	41.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/28/1996 11:09:53

Sample Name: CCB
Date: 05/25/1996 22:13:21
Data File : C:\DX\DATA\96052541.d01
Method : C:\DX\METHOD\KIT.MET
WHO-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 1
Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

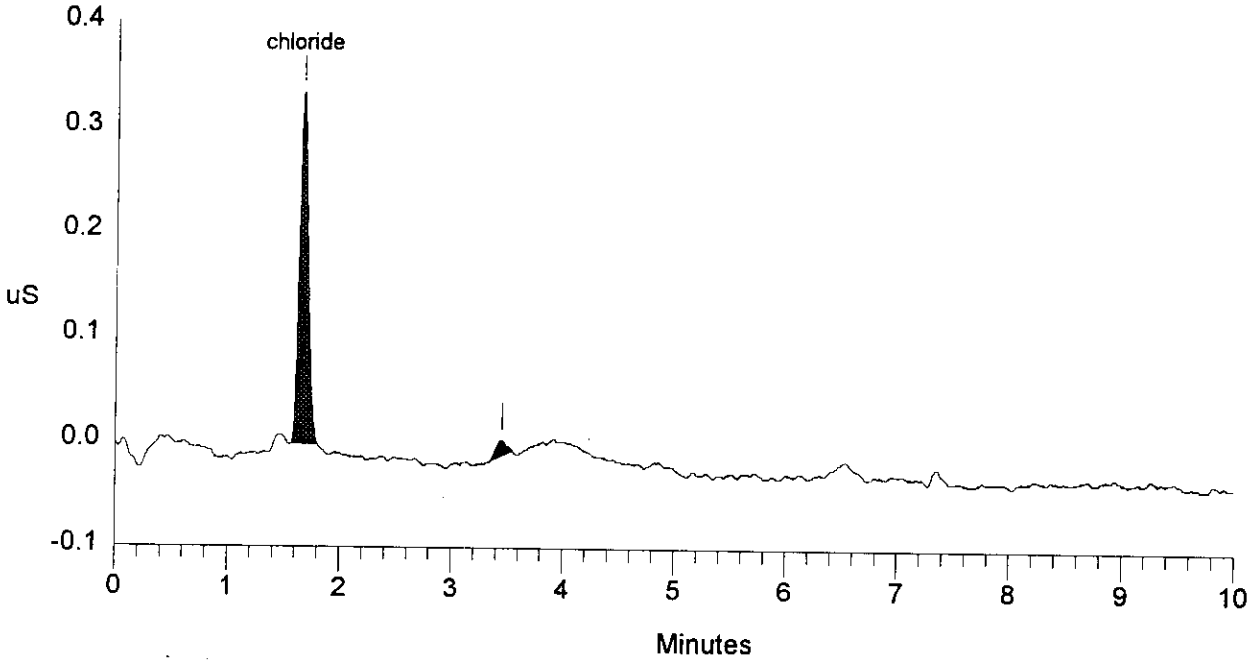
KRQ 9/11/96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.66	chloride	0.136	335	1814	1	0.40
		Totals	0.136	335	1814		

File: 96052541.d01 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 779 TO 785.

Data Reprocessed On 05/28/1996 11:09:56

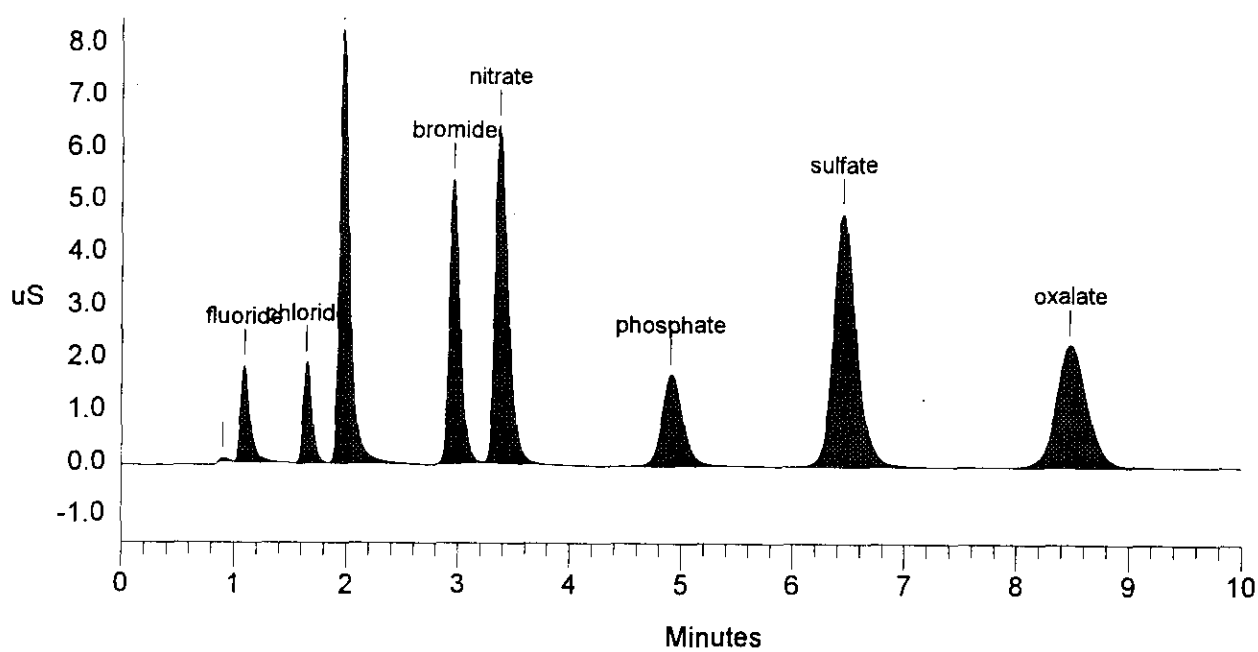
Sample Name: CCV 136N9-A	Date: 05/25/1996 22:30:21
Data File : C:\DX\DATA\96052541.d02	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	74	359	2	
2	1.09	fluoride	58.762	1824	10519	2	2.50
3	1.65	chloride	76.059	1899	10143	1	-0.40
4	1.97	nitrite	547.333	8246	50904	1	-1.99
5	2.96	bromide	572.694	5402	35746	1	0.00
6	3.37	nitrate	629.066	6412	51553	1	1.81
7	4.91	phosphate	558.687	1722	22810	1	-0.54
8	6.45	sulfate	639.335	4783	68417	1	-0.82
9	8.48	oxalate	529.520	2319	44338	1	-0.62
		Totals	3611.455	32682	294789		

File: 96052541.d02 Sample: CCV 136N9-A



Data Reprocessed On 05/28/1996 11:09:58

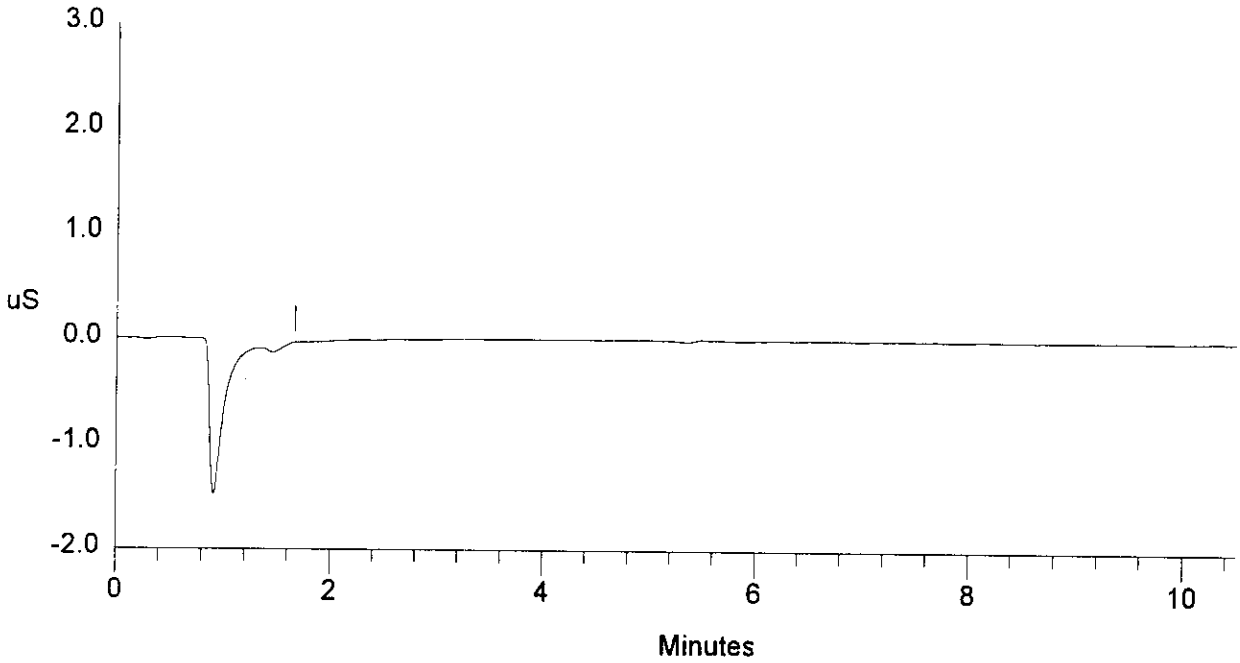
Sample Name: BLANK PREP Date: 05/25/1996 23:46:26
Data File : C:\DX\DATA\96052521.d01
Method : C:\DX\METHOD\AUTOMEL.met
WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

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

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

File: 96052521.d01 Sample: BLANK PREP



Data Reprocessed On 05/28/1996 11:10:01

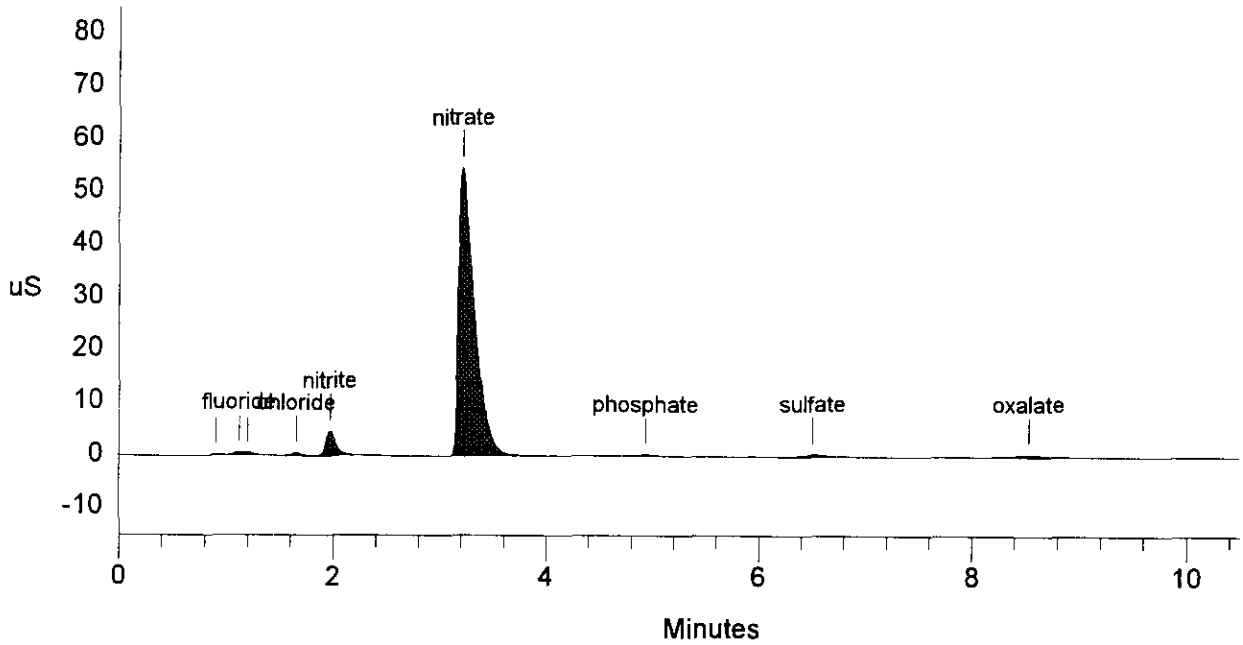
Sample Name: S96T001819 SAMPLE Date: 05/25/1996 23:59:38
Data File : C:\DX\DATA\96052521.d02
Method : C:\DX\METHOD\AUTOMEL.met WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	167	915	2	
2	1.12	fluoride	7.885	623	3225	2	4.67
3	1.20		0.000	601	3984	2	
4	1.65	chloride	9.495	556	3089	1	0.00
5	1.97	nitrite	136.969	4754	30888	1	-1.99
6	3.21	nitrate	2328.259	54598	565647	1	-3.02
7	4.93	phosphate	48.752	369	4736	1	0.00
8	6.51	sulfate	27.452	422	6523	1	0.00
9	8.53	oxalate	45.463	469	8961	1	0.00
		Totals	2604.275	62557	627966		

File: 96052521.d02 Sample: S96T001819 SAMPLE



Data Reprocessed On 05/28/1996 11:10:03

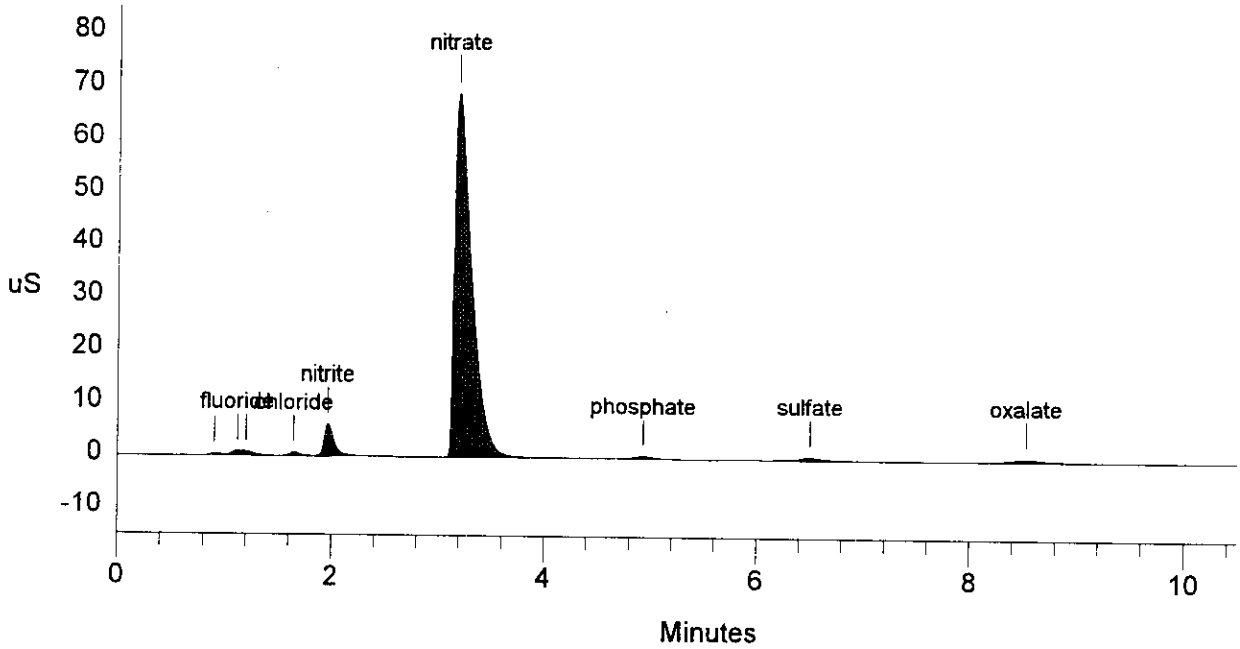
Sample Name: S96T001819 DUP	Date: 05/26/1996 00:12:52
Data File : C:\DX\DATA\96052521.d03	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	226	1328	2	
2	1.12	fluoride	9.818	803	4098	2	4.67
3	1.20		0.000	779	5318	2	
4	1.65	chloride	11.390	680	3709	1	-0.40
5	1.97	nitrite	169.068	6090	38407	1	-2.32
6	3.19	nitrate	2912.944	68839	760064	1	-3.82
7	4.93	phosphate	62.503	480	6112	1	0.00
8	6.51	sulfate	34.060	546	8256	1	0.00
9	8.53	oxalate	57.839	596	11528	1	0.00
		Totals	3257.623	79039	838820		

File: 96052521.d03 Sample: S96T001819 DUP



Data Reprocessed On 05/28/1996 11:10:06

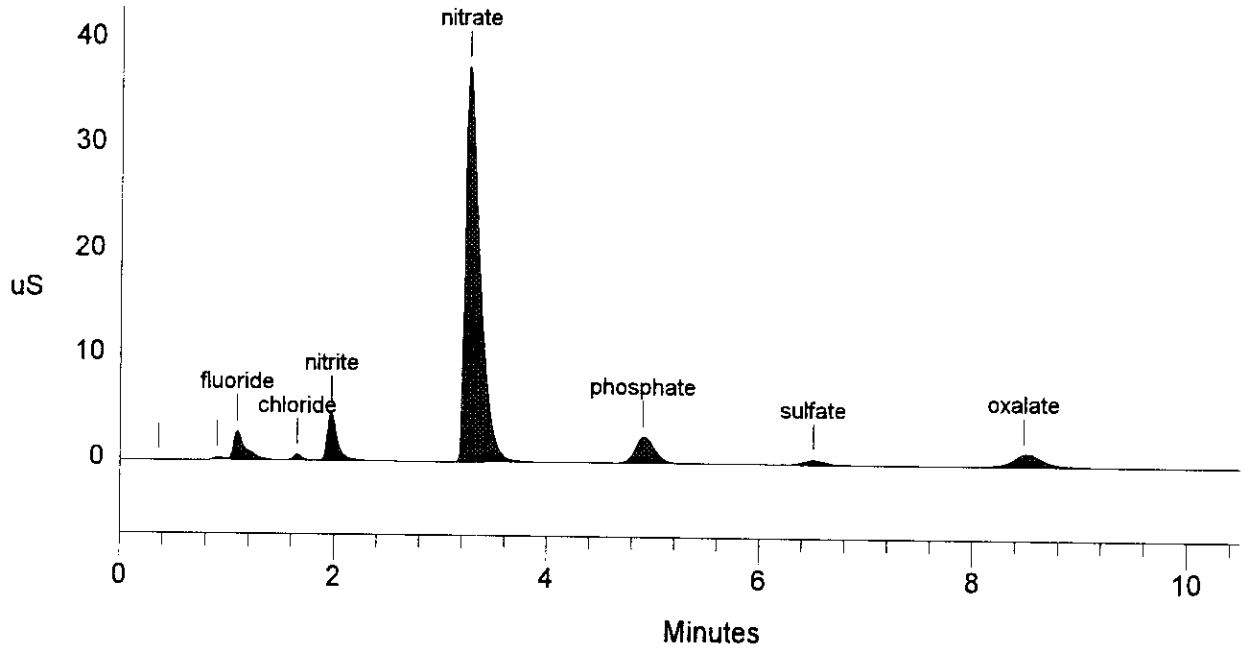
Sample Name: S96T001820 SAMPLE Date: 05/26/1996 00:26:03
Data File : C:\DX\DATA\96052521.d04 WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	16	118	1	
2	0.91		0.000	160	887	2	
3	1.09	fluoride	44.346	2716	20178	2	2.18
4	1.65	chloride	9.167	550	2982	1	0.00
5	1.97	nitrite	129.668	4623	29182	1	-1.99
6	3.26	nitrate	1588.962	37415	359525	1	-1.61
7	4.91	phosphate	322.533	2512	32761	1	-0.54
8	6.51	sulfate	31.110	499	7482	1	0.00
9	8.48	oxalate	116.340	1187	23696	1	-0.62
		Totals	2242.126	49679	476810		

File: 96052521.d04 Sample: S96T001820 SAMPLE



Data Reprocessed On 05/28/1996 11:10:09

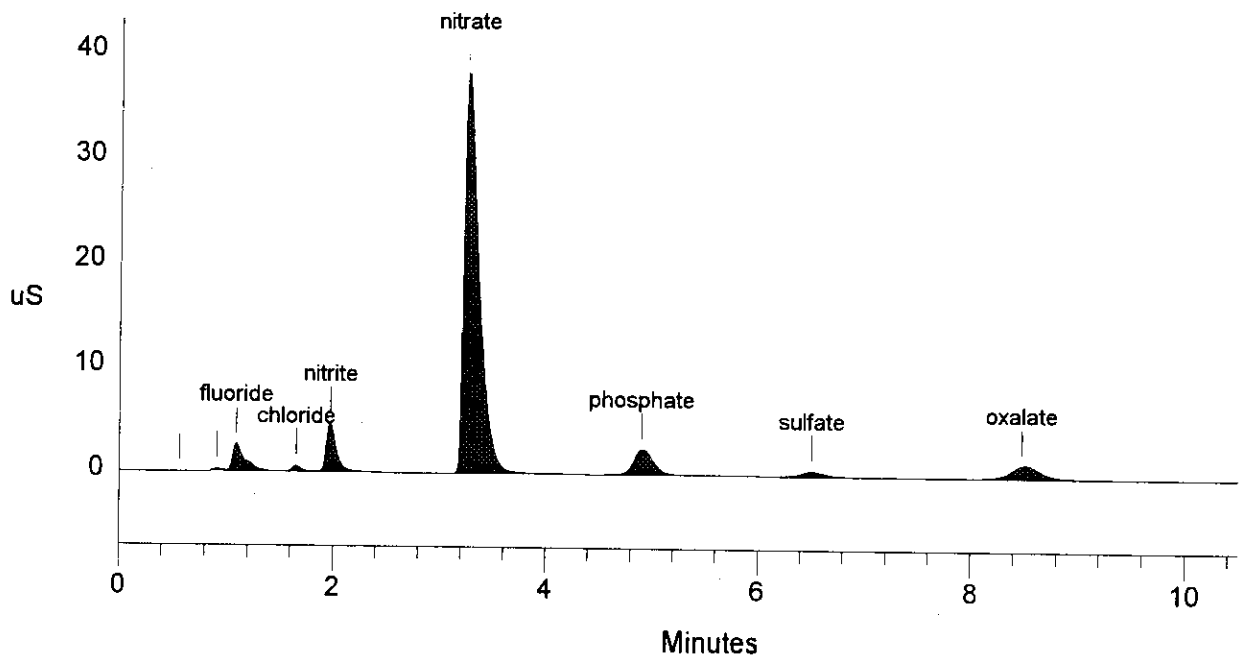
Sample Name: S96T001820 DUP	Date: 05/26/1996 00:39:17
Data File : C:\DX\DATA\96052521.d05	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.56		0.000	10	243	1	
2	0.91		0.000	160	851	2	
3	1.09	fluoride	43.244	2586	19649	2	2.18
4	1.65	chloride	9.607	580	3126	1	0.00
5	1.97	nitrite	131.271	4658	29556	1	-1.99
6	3.25	nitrate	1622.536	38093	368195	1	-1.81
7	4.91	phosphate	307.942	2408	31234	1	-0.54
8	6.51	sulfate	31.876	510	7683	1	0.00
9	8.48	oxalate	120.325	1222	24527	1	-0.62
		Totals	2266.800	50227	485063		

File: 96052521.d05 Sample: S96T001820 DUP



LABCORE Completed Worklist Report for Worklist# 8347

Analyst: eal **Instrument:** IC01 **Book#** 133195

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 rerun Br, use 41 df to get < below project limit.JMF

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.62e-01	0.162	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.87e+01	99.492	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.31e+01	92.532	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.30e+02	98.696	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.53e+02	96.174	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.93e+02	96.580	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.39e+02	98.718	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.13e+02	97.147	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.94e+02	97.053	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	3.14e-01	0.314	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	1.52e-01	0.152	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	1.42e-01	0.142	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001000	0	W	@IC-01	BR-02	SOLID	N/A <	1.010e+03	1009.000	ug/g
5	DUP	S96T001000	0	W	@IC-01	BR-02	SOLID	<1.01e3	<1.02e3		RPD
6	SPK	S96T001000	0	W	@IC-01	BR-02	SOLID	5.75e02	5.41e+02	94.087	% Recovery
7	SAMPLE	S96T001007	0	W	@IC-01	BR-02	SOLID	N/A <	1.117e+03	1117.000	ug/g
8	DUP	S96T001007	0	W	@IC-01	BR-02	SOLID	<1.12e3	<1.11e3		RPD

Final page for worklist# 8347

Analyst Signature **Date** **Analyst Signature** **Date**

Reviewed 5/22/96

Reviewer Signature **Date**

Validated 5/22/96 MW

Units shown for QC (BLK/BKG) may not reflect the actual units.

05/06/96 08:49
A-0004-1

LABCORE Data Entry Template for Worklist# 8347

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-105 rerun Br, use 41 df to get < below project limit.JMF

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001000	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested: BR-02						
5	DUP	S96T001000	0	W	@IC-01	SOLID		
6	SPK	S96T001000	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001007	0	W	@IC-01	SOLID	96000092	U-105 (R)
		Analytes Requested: BR-02						
8	DUP	S96T001007	0	W	@IC-01	SOLID		

Final page for worklist # 8347

A Lambel 5·16·96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 8347 may.csv
In shell 5/21/96 JMF
Uploaded 5/22/96

Data Entry Comments: 96051601.D27 → D34

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 22-May-96

Worklist#: 8347

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001000
=>	5	DUP	S96T001000
=>	6	SPK	S96T001000
=>	7	SAMPLE	S96T001007
=>	8	DUP	S96T001007

Data File: 8347MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96051601.d27	INST. BLANK	1.00
2	96051601.d28	133N9-F STD.	101.00
3	96051601.d29	PREP. BLANK	1.00
4	96051601.d30	S96T001000	41.00
5	96051601.d31	S96T001000 DUP	41.00
6	96051601.d32	S96T001000 SPIKE	41.00
7	96051601.d33	S96T001007	41.00
8	96051601.d34	S96T001007 DUP	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/21/1996 11:52:32

Sample Name: INST. BLANK Date: 05/16/1996 03:49:34
Data File : C:\DX\DATA\96051601.d27
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 27 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

WHC-SD-WM-DP-182, REV.1

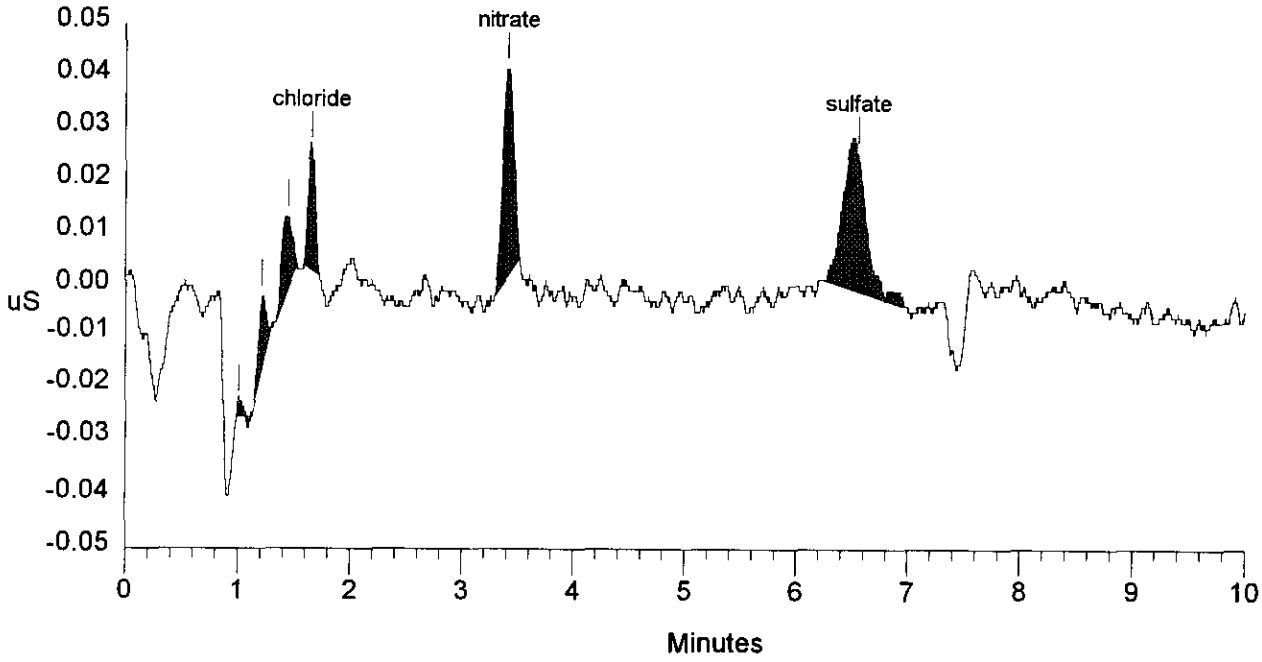
EAL 7/8/96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
4	1.66	chloride	0.008	23	102	1	0.40
5	3.42	nitrate	0.162	39	270	1	3.22
6	6.56	sulfate	0.101	26	424	1	0.82
		Totals	0.271	88	797		

File: 96051601.d27 Sample: INST. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 785.4 TO 785.11.

Data Reprocessed On 05/21/1996 11:52:35

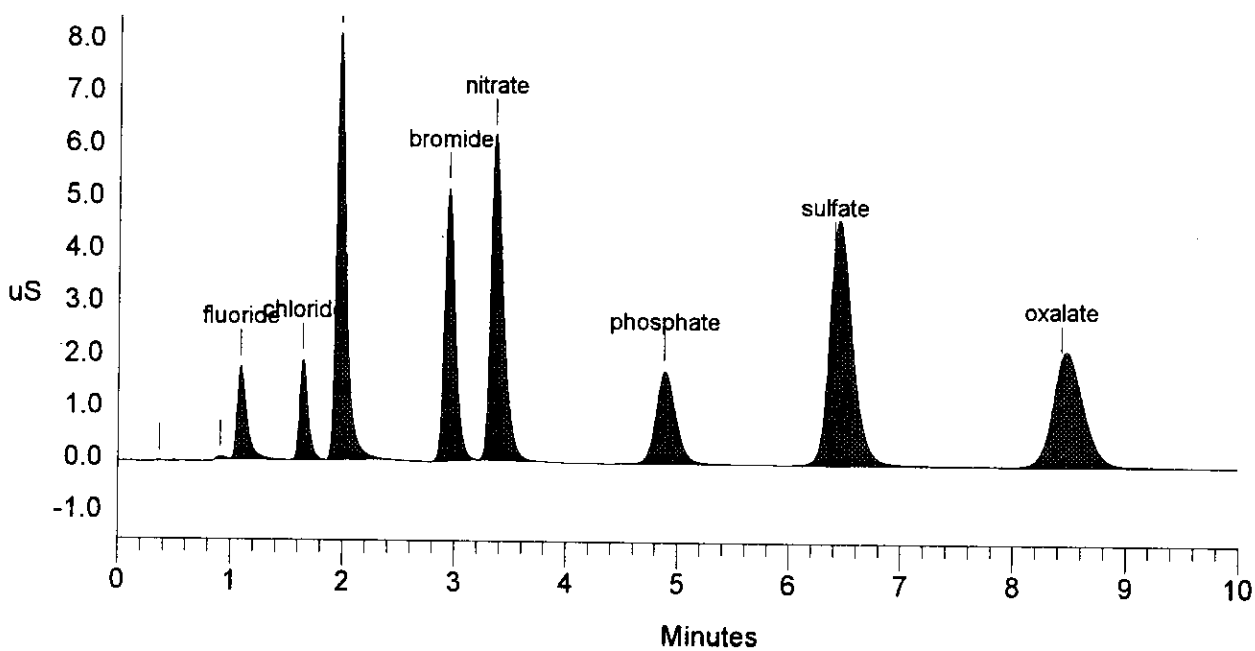
Sample Name: 133N9-F STD.	Date: 05/16/1996 04:00:40
Data File : C:\DX\DATA\96051601.d28	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 28	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.37		0.000	16	131	1	
2	0.91		0.000	53	256	2	
3	1.09	fluoride	58.694	1792	10507	2	1.88
4	1.64	chloride	73.099	1913	9743	1	-0.81
5	1.97	nitrite	529.897	8146	49235	1	-2.32
6	2.94	bromide	553.266	5172	34490	1	-0.68
7	3.35	nitrate	592.927	6179	48484	1	1.21
8	4.88	phosphate	538.977	1765	21986	1	-1.08
9	6.40	sulfate	613.163	3954	65536	1	-1.64
10	8.43	oxalate	493.559	1993	41272	1	-1.25
		Totals	3453.582	30982	281639		

File: 96051601.d28 Sample: 133N9-F STD.



Data Reprocessed On 05/21/1996 11:52:38

Sample Name: PREP. BLANK Date: 05/16/1996 04:13:20
Data File : C:\DX\DATA\96051601.d29
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 29 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

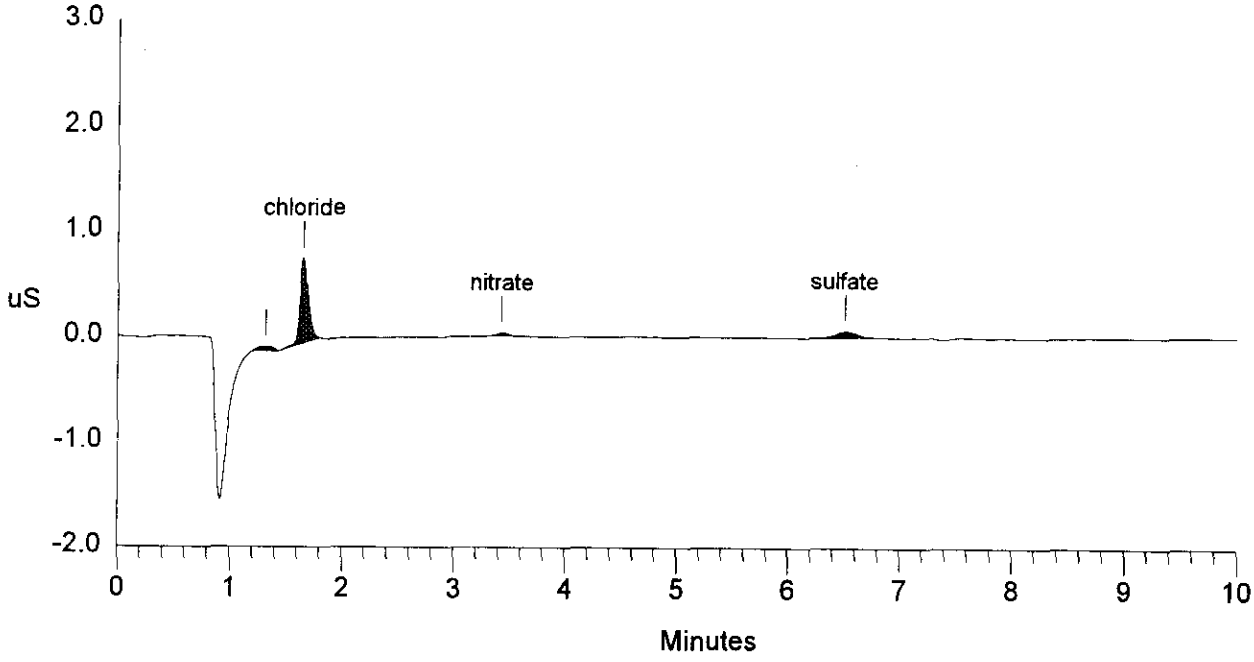
WHC-SD-WM-DP-182, REV. 1

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.31		0.000	45	400	1	
2	1.65	chloride	0.314	814	4193	1	0.00
3	3.43	nitrate	0.152	30	185	1	3.42
4	6.51	sulfate	0.142	62	862	1	0.00
		Totals	0.608	949	5640		

File: 96051601.d29 Sample: PREP. BLANK



Data Reprocessed On 05/21/1996 11:52:41

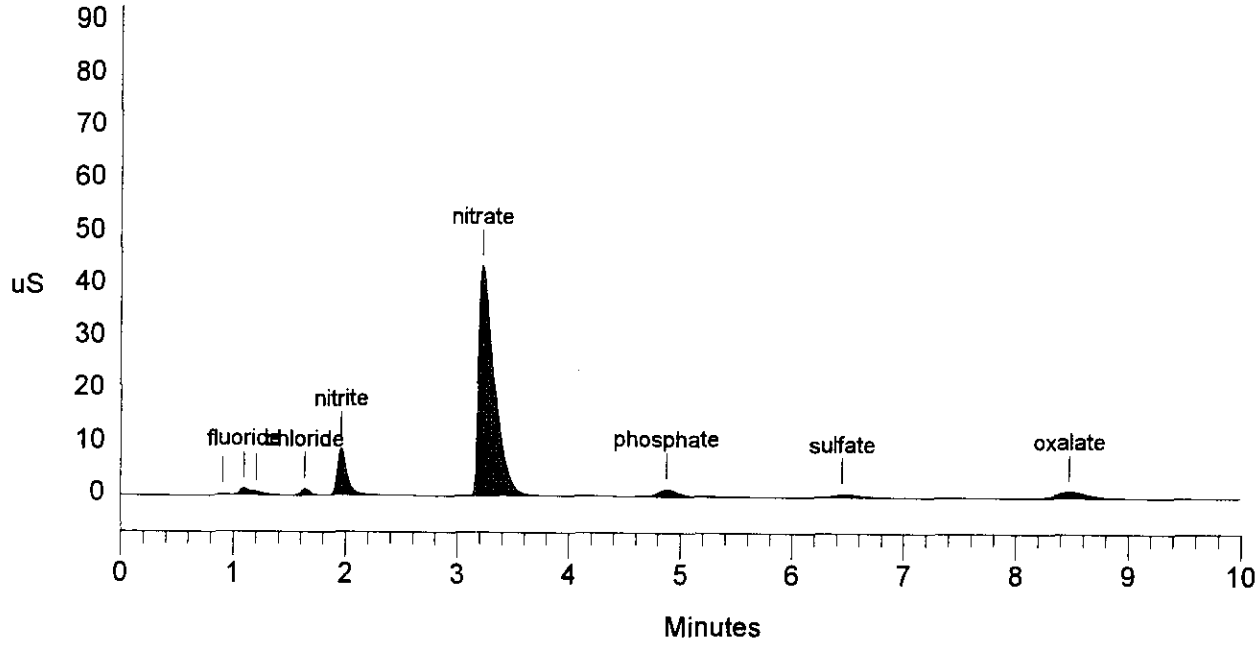
Sample Name: S96T001000	Date: 05/16/1996 04:24:30
Data File : C:\DX\DATA\96051601.d30	WHC-SD-WM-DP-182, REV. /
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 30	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	169	912	2	
2	1.10	fluoride	16.864	1355	7302	2	3.13
3	1.21		0.000	791	5173	2	
4	1.64	chloride	21.247	1317	6950	1	-0.81
5	1.96	nitrite	234.511	8839	53815	1	-2.65
6	3.23	nitrate	1858.869	43613	430899	1	-2.62
7	4.88	phosphate	171.337	1363	17121	1	-1.08
8	6.45	sulfate	35.800	519	8712	1	-0.82
9	8.48	oxalate	112.438	1207	22883	1	-0.62
		Totals	2451.066	59174	553767		

File: 96051601.d30 Sample: S96T001000



Data Reprocessed On 05/21/1996 11:52:44

Sample Name: S96T001000 DUP
Date: 05/16/1996 04:35:20
Data File : C:\DX\DATA\96051601.d31
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 31 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

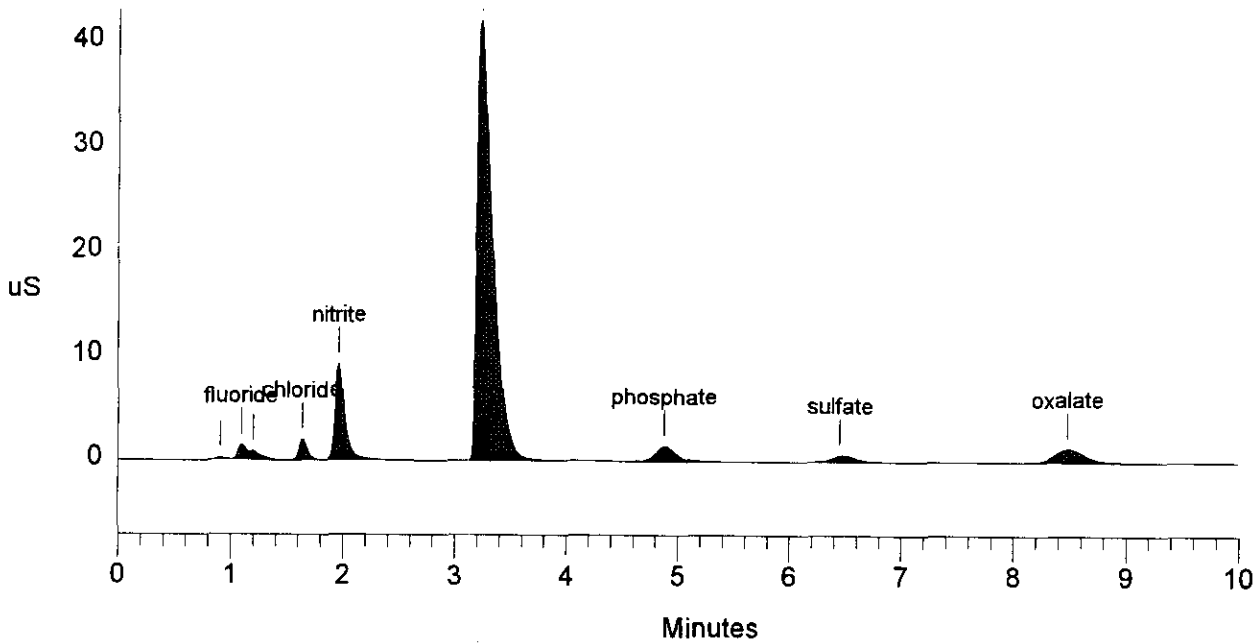
WHC-SD-WM-DP-182, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	176	993	2	
2	1.10	fluoride	17.491	1417	7589	2	3.13
3	1.20		0.000	853	5665	2	
4	1.64	chloride	31.088	1983	10214	1	-0.81
5	1.97	nitrite	240.718	9214	55282	1	-2.32
6	3.23	nitrate	1786.342	41877	411332	1	-2.41
7	4.88	phosphate	174.629	1391	17457	1	-1.08
8	6.45	sulfate	38.246	569	9354	1	-0.82
9	8.48	oxalate	116.240	1242	23675	1	-0.62
		Totals	2404.753	58721	541562		

File: 96051601.d31 Sample: S96T001000 DUP



Data Reprocessed On 05/21/1996 11:52:47

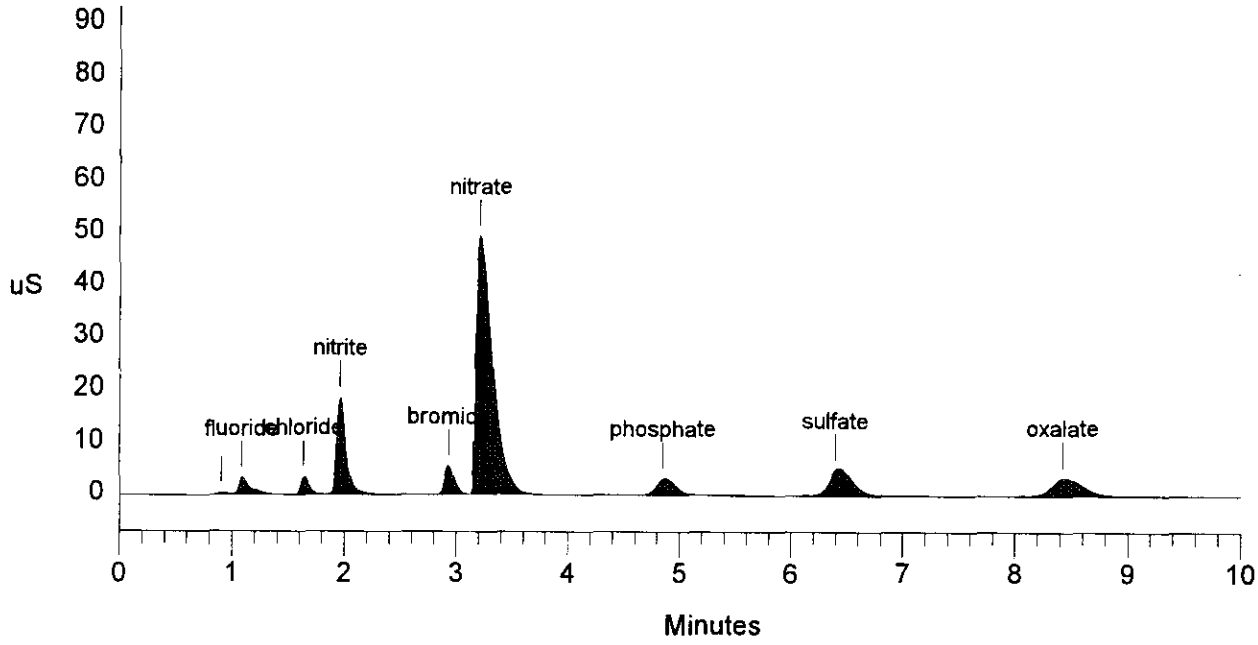
Sample Name: S96T001000 SPIKE	Date: 05/16/1996 04:46:19
Data File : C:\DX\DATA\96051601.d32	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 32	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	252	1347	2	
2	1.09	fluoride	48.979	3176	22411	2	1.88
3	1.64	chloride	51.783	3435	17173	1	-0.81
4	1.97	nitrite	463.531	18378	108609	1	-2.32
5	2.93	bromide	216.369	5510	33183	1	-0.90
6	3.21	nitrate	2094.719	49125	496720	1	-3.02
7	4.85	phosphate	393.904	3211	40292	1	-1.62
8	6.40	sulfate	285.314	4840	75429	1	-1.64
9	8.43	oxalate	314.680	3452	65382	1	-1.25
		Totals	3869.279	91380	860546		

File: 96051601.d32 Sample: S96T001000 SPIKE



Data Reprocessed On 05/21/1996 11:52:50

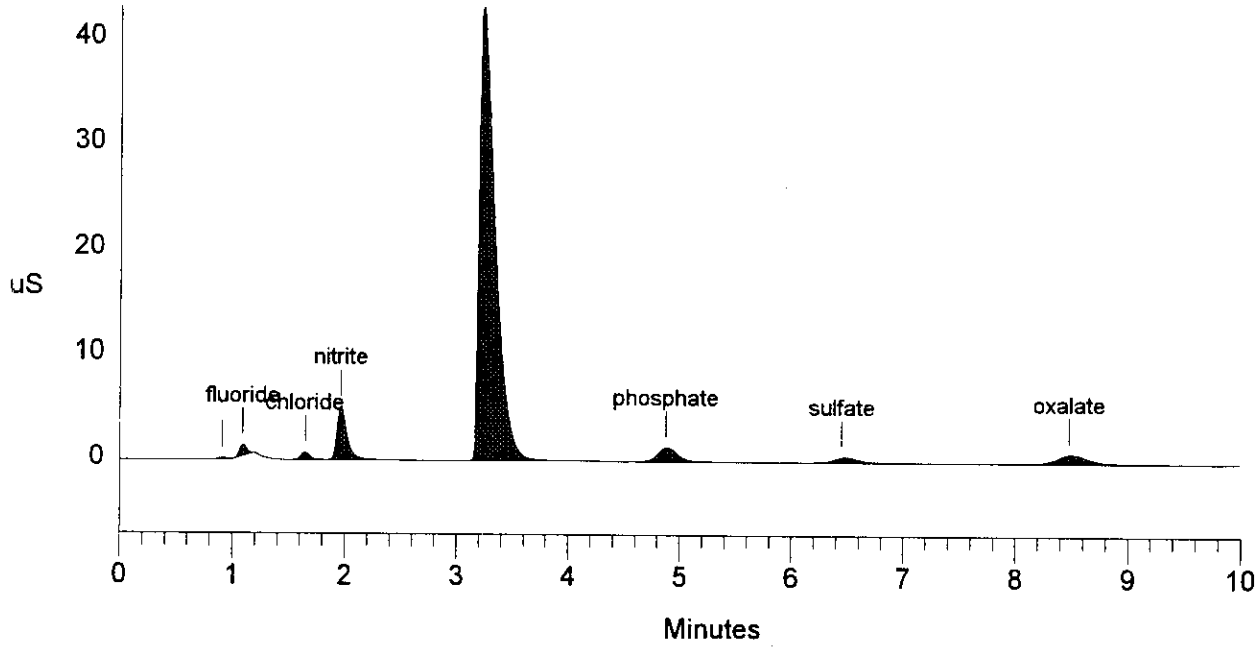
Sample Name: S96T001007	Date: 05/16/1996 04:57:49
Data File : C:\DX\DATA\96051601.d33	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 33	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	134	664	1	
2	1.09	fluoride	11.126	1081	4690	1	2.50
3	1.65	chloride	11.860	719	3863	1	-0.40
4	1.97	nitrite	137.903	5058	31107	1	-2.32
5	3.23	nitrate	1838.615	42941	425404	1	-2.41
6	4.88	phosphate	170.721	1366	17058	1	-1.08
7	6.45	sulfate	32.957	500	7966	1	-0.82
8	8.48	oxalate	84.261	887	17017	1	-0.62
		Totals	2287.443	52686	507769		

File: 96051601.d33 Sample: S96T001007



Data Reprocessed On 05/21/1996 11:52:53

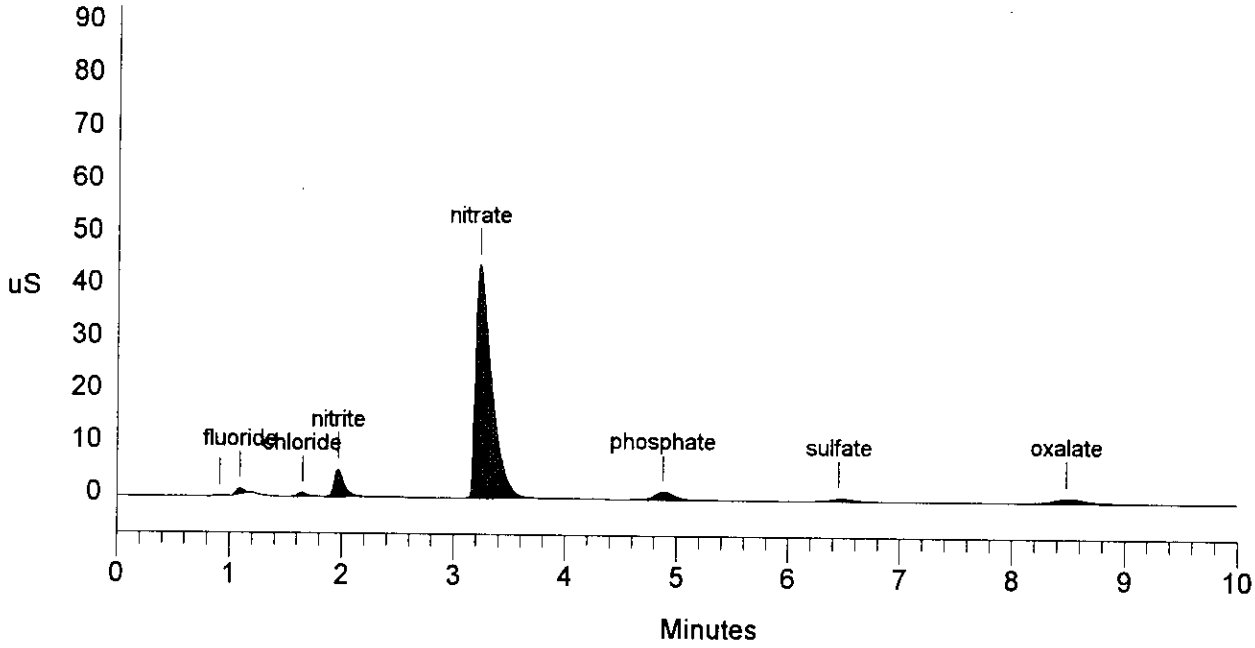
Sample Name: S96T001007 DUP Date: 05/16/1996 05:09:33
Data File : C:\DX\DATA\96051601.d34
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-182, REV. /
ACI Address: 1 System: 1 Inject#: 34 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	134	669	1	
2	1.09	fluoride	11.521	1123	4869	1	2.50
3	1.65	chloride	11.962	750	3896	1	-0.40
4	1.97	nitrite	140.186	5192	31641	1	-2.32
5	3.23	nitrate	1889.596	44276	439280	1	-2.62
6	4.88	phosphate	178.029	1417	17805	1	-1.08
7	6.45	sulfate	38.258	538	9358	1	-0.82
8	8.48	oxalate	92.753	934	18783	1	-0.62
		Totals	2362.305	54364	526300		

File: 96051601.d34 Sample: S96T001007 DUP



LABCORE Completed Worklist Report for Worklist# 8391

Analyst: eal **Instrument:** IC01 **Book#** 13319-F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: Rerun for Br on U-105, use df 41 for < below project limit.

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	2.50e-02	0.025	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.66e-01	0.166	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.54e+01	93.898	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.16e+01	90.633	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.28e+02	98.324	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.47e+02	95.130	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.81e+02	94.625	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.28e+02	96.703	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.11e+02	96.830	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	4.98e+02	97.839	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	3.22e-01	0.322	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	2.50e-01	0.250	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	1.59e-01	0.159	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T000970	W	0	@IC-01	BR-02	SOLID	N/A <	9.985e+02	998.400	ug/g
5	DUP	S96T000970	W	0	@IC-01	BR-02	SOLID	<9.98e2	<9.90e2		RPD
6	SPK	S96T000970	W	0	@IC-01	BR-02	SOLID	5.75e02	5.43e+02	94.435	% Recovery
7	SAMPLE	S96T000977	W	0	@IC-01	BR-02	SOLID	N/A <	1.035e+03	1035.000	ug/g
8	DUP	S96T000977	W	0	@IC-01	BR-02	SOLID	<1.04e3	<1.03e3		RPD

Final page for worklist# 8391

Analyst Signature **Date** **Analyst Signature** **Date**

Paul Smith 5/22/96
Reviewer Signature **Date**

Validated 5/22/96 LDS

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Data Entry Template for Worklist# 8391

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: Rerun for Br on U-105, use df 41 for < below project limit.

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T000970	0	W	@IC-01	SOLID	96000092	U-105 (R)
	Analytes Requested: BR-02							
5	DUP	S96T000970	0	W	@IC-01	SOLID		
6	SPK	S96T000970	0	W	@IC-01	SOLID		
7	SAMPLE	S96T000977	0	W	@IC-01	SOLID	96000092	U-105 (R)
	Analytes Requested: BR-02							
8	DUP	S96T000977	0	W	@IC-01	SOLID		

Final page for worklist # 8391

A Lambert 5-17-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported
In shell 5/20/96
Uploaded 5/24/96

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 22-May-96

Worklist#: 8391

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T000970
=>	5	DUP	S96T000970
=>	6	SPK	S96T000970
=>	7	SAMPLE	S96T000977
=>	8	DUP	S96T000977

Data File: 8391MAY.CSV

Seq#	Data File	Sample Name		Dilution
1	96051631.d22	INST BLANK		1.00
3	96051701.d24	PREP BLANK		1.00
2	96051701.d25	133N9-F STD		101.00
4	96051701.d26	S96T000970		41.00
5	96051701.d27	S96T000970	DUP	41.00
6	96051701.d28	S96T000970	SPIK	41.00
7	96051701.d29	S96T000977		41.00
8	96051701.d30	S96T000977	DUP	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Sample Name: INST BLANK
Date: 05/17/1996 02:06:32
Data File : C:\DX\DATA\96051631.D22
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 22 Detector: CDM-1
Analyst : A Lambert Column: AG4A/AS4A anion column

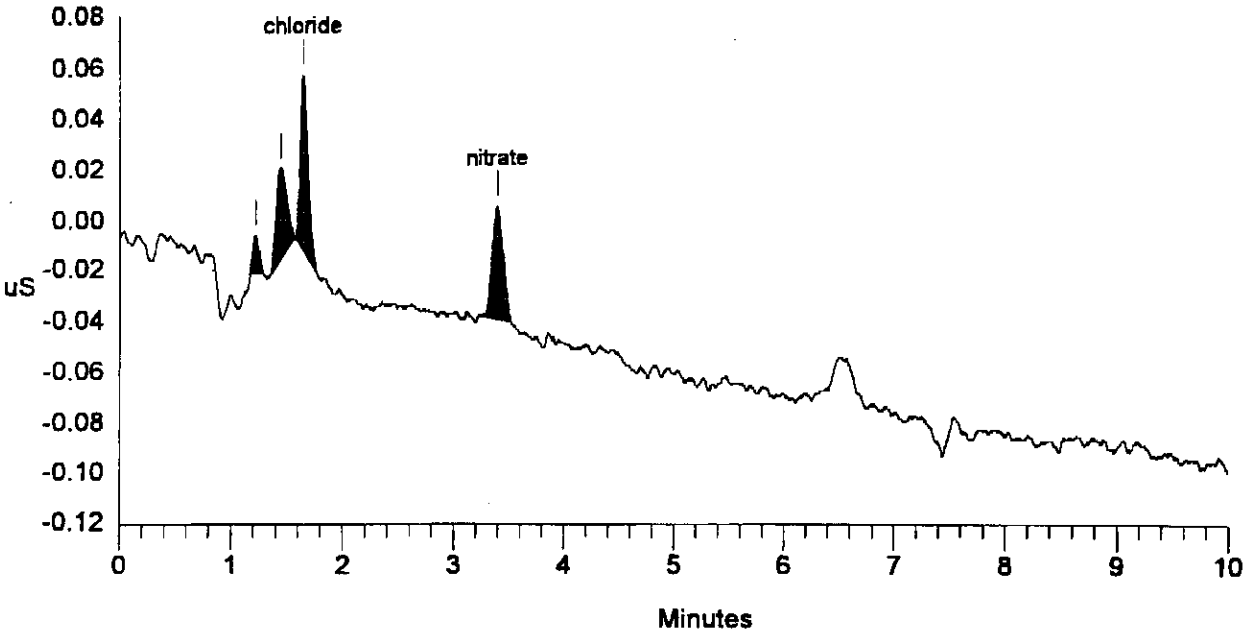
5/22/96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.44		0.000	36	242	1	
3	1.65	chloride	0.025	69	328	1	-0.40
4	3.39	nitrate	0.166	44	301	1	2.41
		Totals	0.191	149	871		

File: 96051631.D22 Sample: INST BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 785.15 TO 785.22

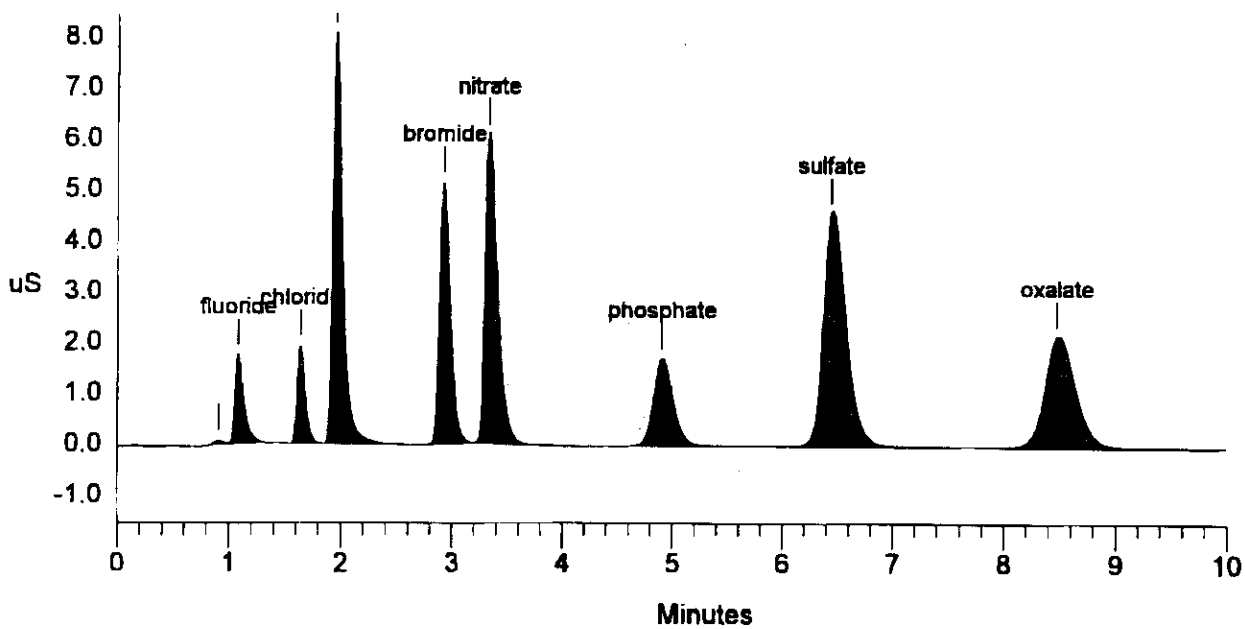
Sample Name: 133N9-F STD
Date: 05/17/1996 02:47:42
Data File : C:\DX\DATA\96051701.D25
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 25 Detector: CDM-1
Analyst : A Lambert Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	74	356	1	
2	1.09	fluoride	55.392	1741	9887	1	1.88
3	1.64	chloride	71.640	1923	9546	1	-0.81
4	1.96	nitrite	528.428	8077	49094	1	-2.65
5	2.93	bromide	547.234	5126	34101	1	-0.90
6	3.34	nitrate	581.132	6050	47483	1	0.80
7	4.91	phosphate	527.635	1715	21512	1	-0.54
8	6.45	sulfate	611.096	4544	65309	1	-0.82
9	8.48	oxalate	497.855	2155	41638	1	-0.62
		Totals	3420.412	31406	278926		

File: 96051701.D25 Sample: 133N9-F STD



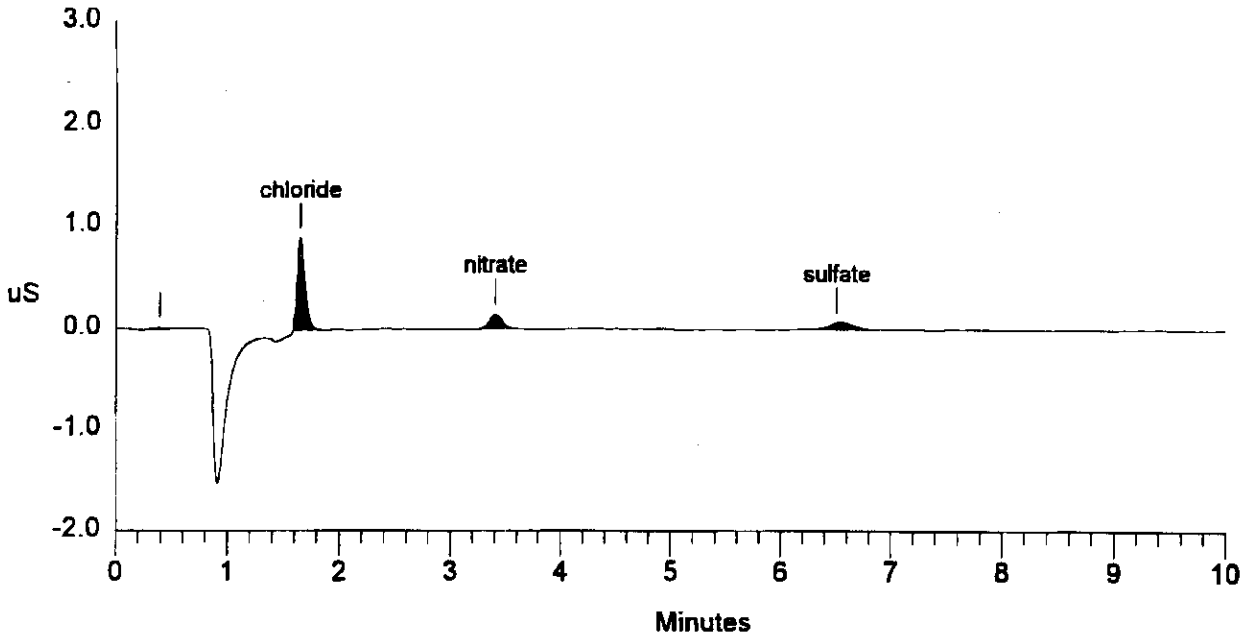
Sample Name: PREP BLANK	Date: 05/17/1996 02:32:22
Data File : C:\DX\DATA\96051701.D24	WHC-SD-WM-DP-182, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 24	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.39		0.000	17	204	1	
2	1.65	chloride	0.322	885	4298	1	-0.40
3	3.41	nitrate	0.250	137	1003	1	2.82
4	6.51	sulfate	0.159	64	1043	1	0.00
		Totals	0.731	1103	6548		

File: 96051701.D24 Sample: PREP BLANK



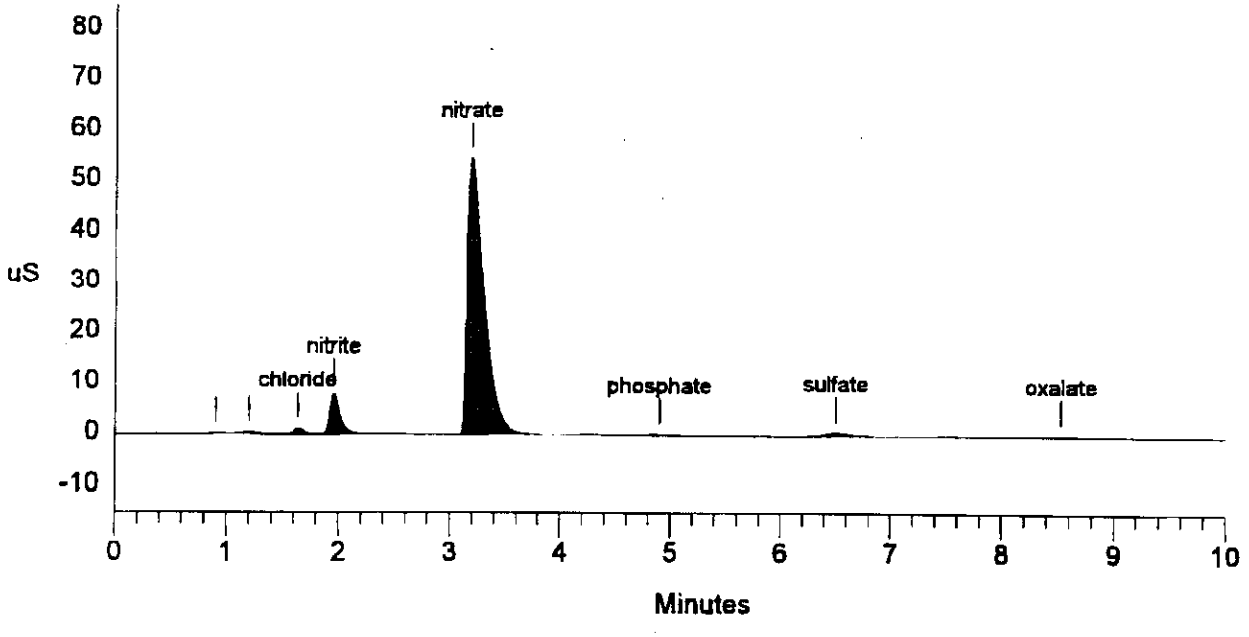
Sample Name: S96T000970	Date: 05/17/1996 02:59:29
Data File : C:\DX\DATA\96051701.D26	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 26	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	207	1312	2	
2	1.21		0.000	515	5057	2	
3	1.64	chloride	20.065	1205	6560	1	-0.81
4	1.96	nitrite	216.780	7900	49629	1	-2.65
5	3.19	nitrate	2336.103	54456	568035	1	-3.62
6	4.91	phosphate	12.458	82	1117	1	-0.54
7	6.51	sulfate	38.844	631	9512	1	0.00
8	8.53	oxalate	22.186	209	4139	1	0.00
		Totals	2646.437	65204	645360		

File: 96051701.D26 Sample: S96T000970



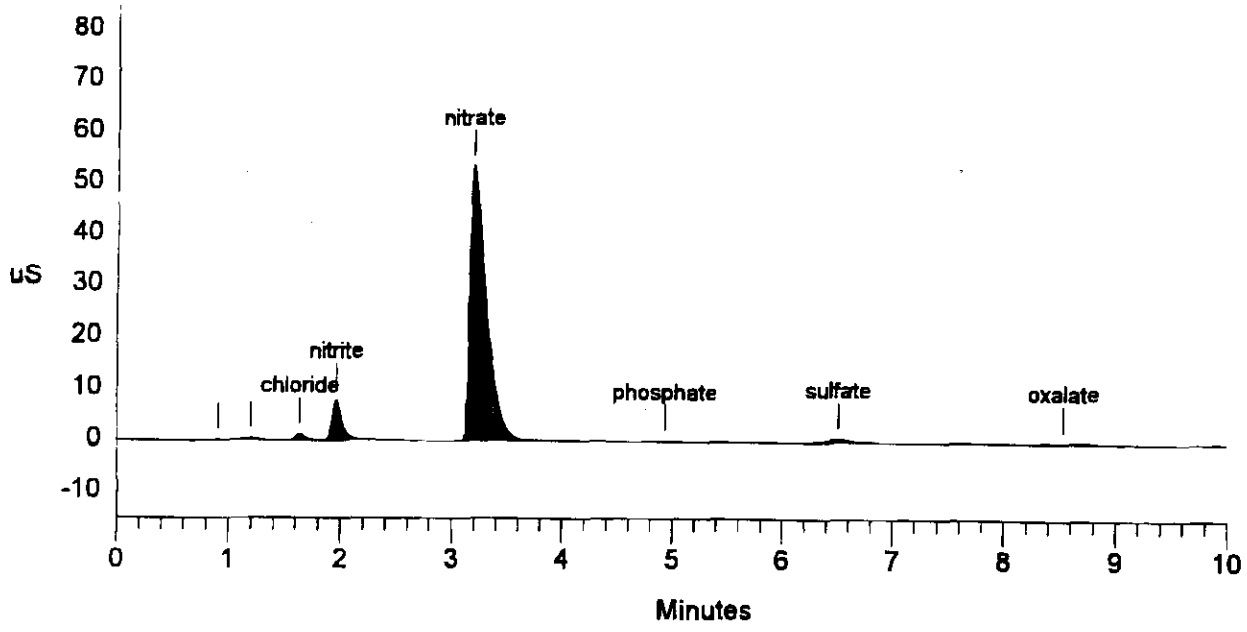
Sample Name: S96T000970 DUP
Date: 05/17/1996 03:10:20
Data File : C:\DX\DATA\96051701.D27
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 27
Detector:CDM-1
Analyst :
Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	210	1303	2	
2	1.20		0.000	501	4919	2	
3	1.64	chloride	21.378	1287	6993	1	-0.81
4	1.96	nitrite	212.974	7890	48732	1	-2.65
5	3.19	nitrate	2278.010	53357	550468	1	-3.62
6	4.93	phosphate	12.437	85	1114	1	0.00
7	6.51	sulfate	40.835	644	10034	1	0.00
8	8.53	oxalate	21.633	208	4025	1	0.00
		Totals	2587.266	64181	627589		

File: 96051701.D27 Sample: S96T000970 DUP



Sample Name: S96T000970 SPIKE Date: 05/17/1996 03:30:46
Data File : C:\DX\DATA\96051701.D28
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 28 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

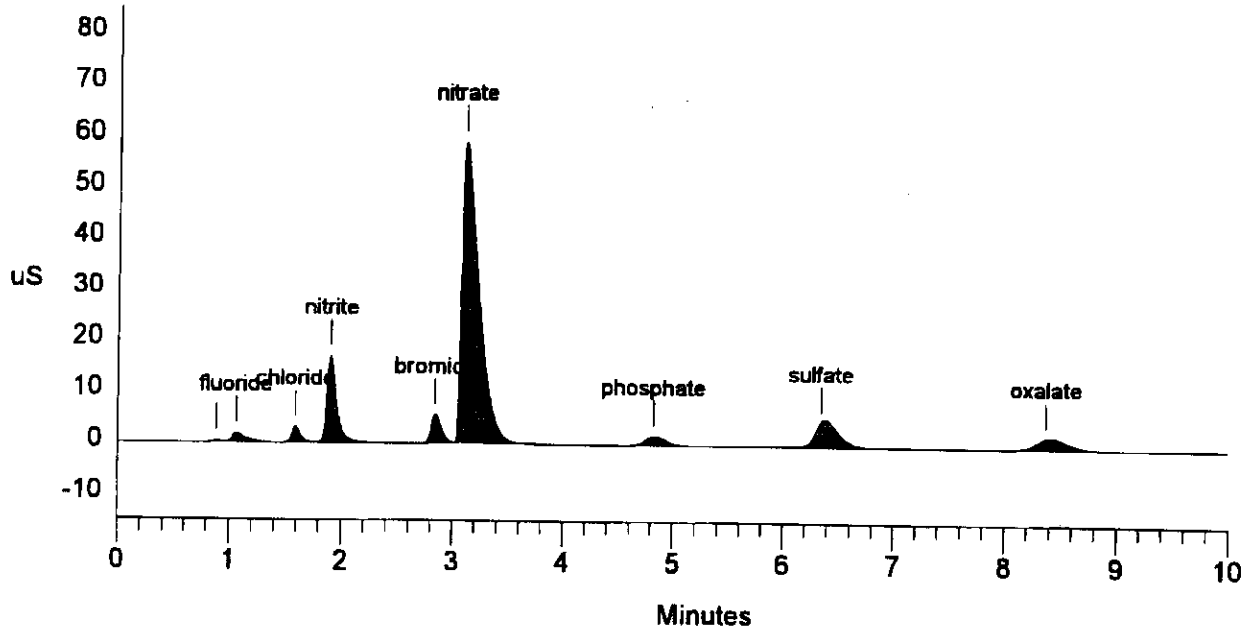
WHC-SD-WM-DP-182, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.89		0.000	254	1355	2	
2	1.06	fluoride	31.937	1822	14288	2	-0.62
3	1.59	chloride	46.528	3064	15394	1	-3.63
4	1.91	nitrite	423.905	16833	99028	1	-5.30
5	2.85	bromide	217.070	5578	33294	1	-3.83
6	3.11	nitrate	2498.820	58772	618752	1	-6.04
7	4.83	phosphate	224.950	1798	22620	1	-2.16
8	6.35	sulfate	282.537	4670	74672	1	-2.46
9	8.37	oxalate	222.093	2221	45839	1	-1.87
		Totals	3947.840	95013	925241		

File: 96051701.D28 Sample: S96T000970 SPIKE



785.20

Sample Name: S96T000977 Date: 05/17/1996 03:42:20
Data File : C:\DX\DATA\96051701.D29
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 29 Detector: CDM-1
Analyst : Column: AG4A/AS4A anion column

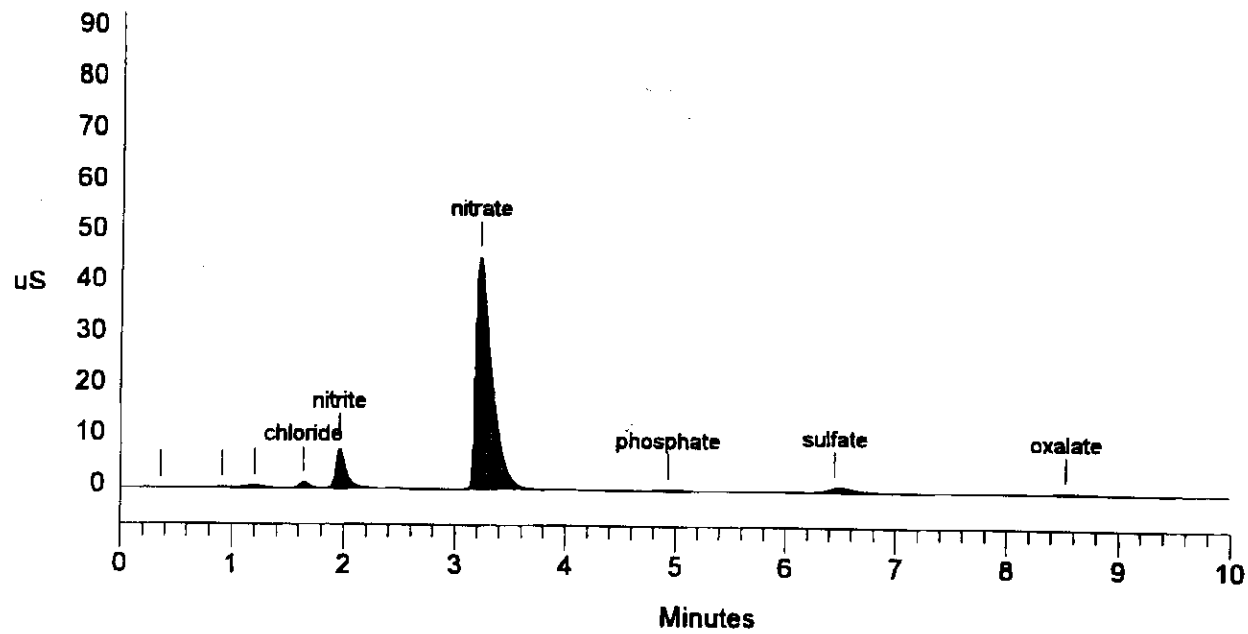
WHC-SD-WM-DP-182, REV 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	18	202	1	
2	0.91		0.000	192	1192	2	
3	1.21		0.000	533	5169	2	
4	1.64	chloride	18.140	1089	5925	1	-0.81
5	1.96	nitrite	209.777	7617	47978	1	-2.65
6	3.22	nitrate	1934.275	45302	451566	1	-2.82
7	4.93	phosphate	13.026	91	1173	1	0.00
8	6.45	sulfate	55.870	810	13988	1	-0.82
9	8.53	oxalate	24.184	235	4553	1	0.00
		Totals	2255.273	55887	531747		

File: 96051701.D29 Sample: S96T000977



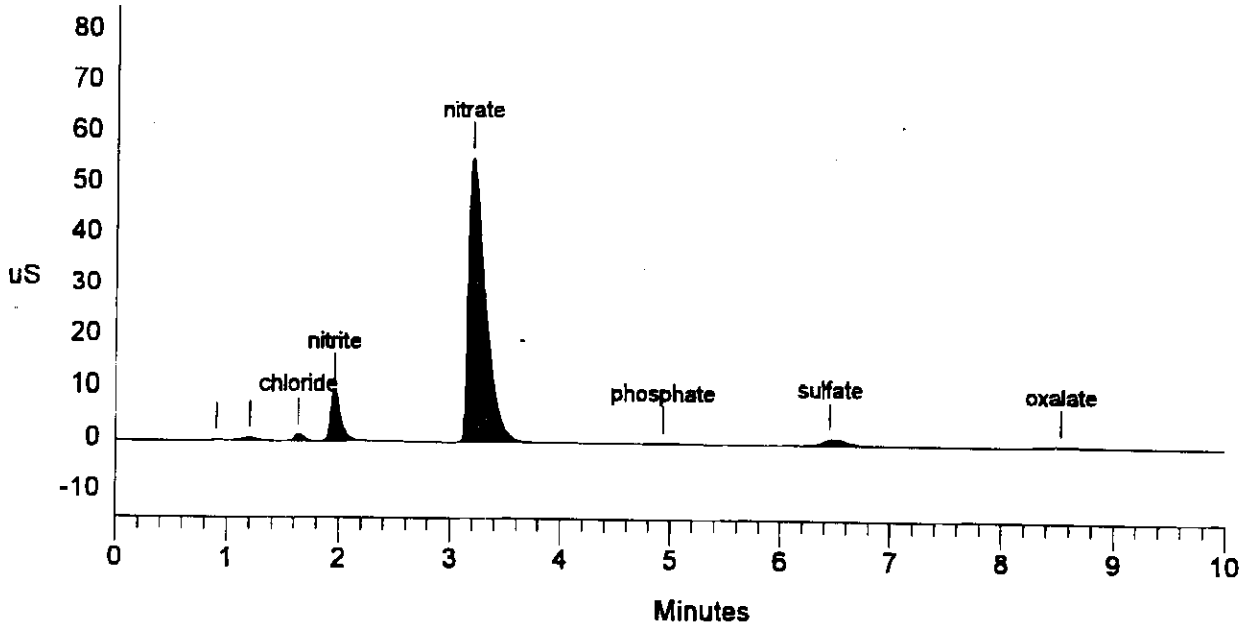
Sample Name: S96T000977 DUP
Date: 05/17/1996 03:57:23
Data File : C:\DX\DATA\96051701.D30
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-182, REV. 1
ACI Address: 1 System: 1 Inject#: 30 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	241	1497	2	
2	1.21		0.000	667	6517	2	
3	1.64	chloride	22.666	1388	7419	1	-0.81
4	1.96	nitrite	264.171	9698	60834	1	-2.65
5	3.19	nitrate	2373.056	55142	579351	1	-3.62
6	4.93	phosphate	15.499	115	1419	1	0.00
7	6.45	sulfate	72.054	1081	18253	1	-0.82
8	8.53	oxalate	28.672	295	5482	1	0.00
		Totals	2776.119	68627	680772		

File: 96051701.D30 Sample: S96T000977 DUP



LABCORE Completed Worklist Report for Worklist# 8760

Analyst: krq **Instrument:** IC01 **Book#** 136N9-A

Method: UA-333-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		1.80e-02	0.018	ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.98e+01	101.356	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.58e+01	95.949	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02		5.60e+02	102.190	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.71e+02	99.304	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		6.23e+02	101.466	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.50e+02	100.733	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.47e+02	102.536	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02		5.28e+02	102.524	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	F-02	SOLID	N/A		1.178e+03	100.600	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	CL-02	SOLID	N/A		4.077e+03	131.500	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	NO2-02	SOLID	N/A		4.508e+04	827.800	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	BR-02	SOLID	N/A	<	9.747e+02	974.600	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	NO3-02	SOLID	N/A		3.309e+05	1082.000	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	PO4-02	SOLID	N/A		1.005e+04	919.600	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	SO4-02	SOLID	N/A		1.248e+04	1051.000	ug/g
4	SAMPLE	S96T001839	W	0	@IC-01	OXALATE2	SOLID	N/A		8.295e+03	812.200	ug/g
5	DUP	S96T001839	W	0	@IC-01	F-02	SOLID	1.18e+03		9.91e+02	17.411	RPD
5	DUP	S96T001839	W	0	@IC-01	CL-02	SOLID	4.08e+03		6.25e+03	42.014	RPD
5	DUP	S96T001839	W	0	@IC-01	NO2-02	SOLID	4.51e+04		3.71e+04	19.465	RPD
5	DUP	S96T001839	W	0	@IC-01	BR-02	SOLID	<9.75e2		<9.87e2		RPD
5	DUP	S96T001839	W	0	@IC-01	NO3-02	SOLID	3.31e+05		2.80e+05	16.694	RPD
5	DUP	S96T001839	W	0	@IC-01	PO4-02	SOLID	1.00e+04		7.93e+03	23.090	RPD
5	DUP	S96T001839	W	0	@IC-01	SO4-02	SOLID	1.25e+04		1.09e+04	13.675	RPD
5	DUP	S96T001839	W	0	@IC-01	OXALATE2	SOLID	8.30e+03		7.27e+03	13.231	RPD
6	SPK	S96T001839	W	0	@IC-01	F-02	SOLID	5.90e01		8.26e+01	140.000	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8760

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001839	0	W	@IC-01	CL-02	SOLID	7.90e01		7.16e+01	90.633	% Recovery
6	SPK	S96T001839	0	W	@IC-01	NO2-02	SOLID	5.48e02		5.59e+02	102.007	% Recovery
6	SPK	S96T001839	0	W	@IC-01	BR-02	SOLID	5.75e02		5.40e+02	93.913	% Recovery
6	SPK	S96T001839	0	W	@IC-01	NO3-02	SOLID	6.14e02		5.59e+02	91.042	% Recovery
6	SPK	S96T001839	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.36e+02	98.168	% Recovery
6	SPK	S96T001839	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.16e+02	97.623	% Recovery
6	SPK	S96T001839	0	W	@IC-01	OXALATE2	SOLID	5.15e02		5.13e+02	99.612	% Recovery
7	SAMPLE	S96T001851	0	W	@IC-01	F-02	SOLID	N/A		1.493e+03	101.700	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	CL-02	SOLID	N/A		3.545e+03	133.000	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	NO2-02	SOLID	N/A		4.002e+04	837.200	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	BR-02	SOLID	N/A	<	9.857e+02	985.600	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	NO3-02	SOLID	N/A		2.698e+05	1094.000	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	PO4-02	SOLID	N/A		1.342e+04	930.300	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	SO4-02	SOLID	N/A		6.612e+03	1063.000	ug/g
7	SAMPLE	S96T001851	0	W	@IC-01	OXALATE2	SOLID	N/A		1.058e+04	821.200	ug/g
8	DUP	S96T001851	0	W	@IC-01	F-02	SOLID	1.49e+03		1.73e+03	14.907	RPD
8	DUP	S96T001851	0	W	@IC-01	CL-02	SOLID	3.54e+03		4.12e+03	15.144	RPD
8	DUP	S96T001851	0	W	@IC-01	NO2-02	SOLID	4.00e+04		4.67e+04	15.456	RPD
8	DUP	S96T001851	0	W	@IC-01	BR-02	SOLID	<9.86e2		<9.86e2		RPD
8	DUP	S96T001851	0	W	@IC-01	NO3-02	SOLID	2.70e+05		3.05e+05	12.174	RPD
8	DUP	S96T001851	0	W	@IC-01	PO4-02	SOLID	1.34e+04		1.48e+04	9.929	RPD
8	DUP	S96T001851	0	W	@IC-01	SO4-02	SOLID	6.61e+03		7.68e+03	14.976	RPD
8	DUP	S96T001851	0	W	@IC-01	OXALATE2	SOLID	1.06e+04		1.17e+04	9.865	RPD

Final page for worklist# 8760

Analyst Signature Date

Analyst Signature Date

Joel Smith 5/30/96
Reviewer Signature Date

Validation 5/30/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Data Entry Template for Worklist# 8760

Analyst: KRQ **Instrument:** IC00 IC01 **Book#** 136N9-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001839	0	W	@IC-01	SOLID	96000092	U-105 (R)
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
5	DUP	S96T001839	0	W	@IC-01	SOLID		
6	SPK	S96T001839	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001851	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
8	DUP	S96T001851	0	W	@IC-01	SOLID		

Final page for worklist # 8760

See attached for signatures

Analyst Signature **Date** 5/30/96

Analyst Signature **Date**

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 8760

Analyst: KBB **Instrument:** IC00 _____ **Book#** 136119-A

Method: LA-533-105 **Rev/Mod** P-1

Worklist Comment: U-105 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
	Blank-Prep							
3	SAMPLE	S96T001839	0	W	@IC-01	SOLID	96000092	U-105 (R)
	Analytes Requested:	BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02						
4	DUP	S96T001839	0	W	@IC-01	SOLID		
5	SPK	S96T001839	0	W	@IC-01	SOLID		
6	SAMPLE	S96T001851	0	W	@IC-01	SOLID	96000143	U-105 (R)
	Analytes Requested:	BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02						
7	DUP	S96T001851	0	W	@IC-01	SOLID		

Final page for worklist # 8760

Kathy B Bauer 5/26/96

Analyst Signature **Date**

Analyst Signature **Date**

8760 may.csv
Inshell

Data Entry Comments:

96052641, D03, D04 Batch 4759

96052551, D01, D02

96052541, D03 96052531, D04->D06

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 30-May-96

Worklist#: 8760

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001839
=>	5	DUP	S96T001839
=>	6	SPK	S96T001839
=>	7	SAMPLE	S96T001851
=>	8	DUP	S96T001851

Data File: 8760MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96052641.d03	CCB	1.00
2	96052641.d04	CCV 136N9-A	101.00
3	96052551.d01	BLANK PREP	1.00
4	96052551.d02	S96T001839 SAMPL	41.00
	96052641.d01	S96T001839	41.00
	96052641.d02	S96T001851	41.00
5	96052541.d03	S96T001839 DUP	41.00
6	96052531.d04	S96T001839 SPIKE	41.00
7	96052531.d05	S96T001851 SAMPL	41.00
8	96052531.d06	S96T001851 DUP	41.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/28/1996 11:04:26

Sample Name: CCB Date: 05/26/1996 02:33:31
Data File : C:\DX\DATA\96052641.d03
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

WHC-SD-WM-DP-182, REV. 1

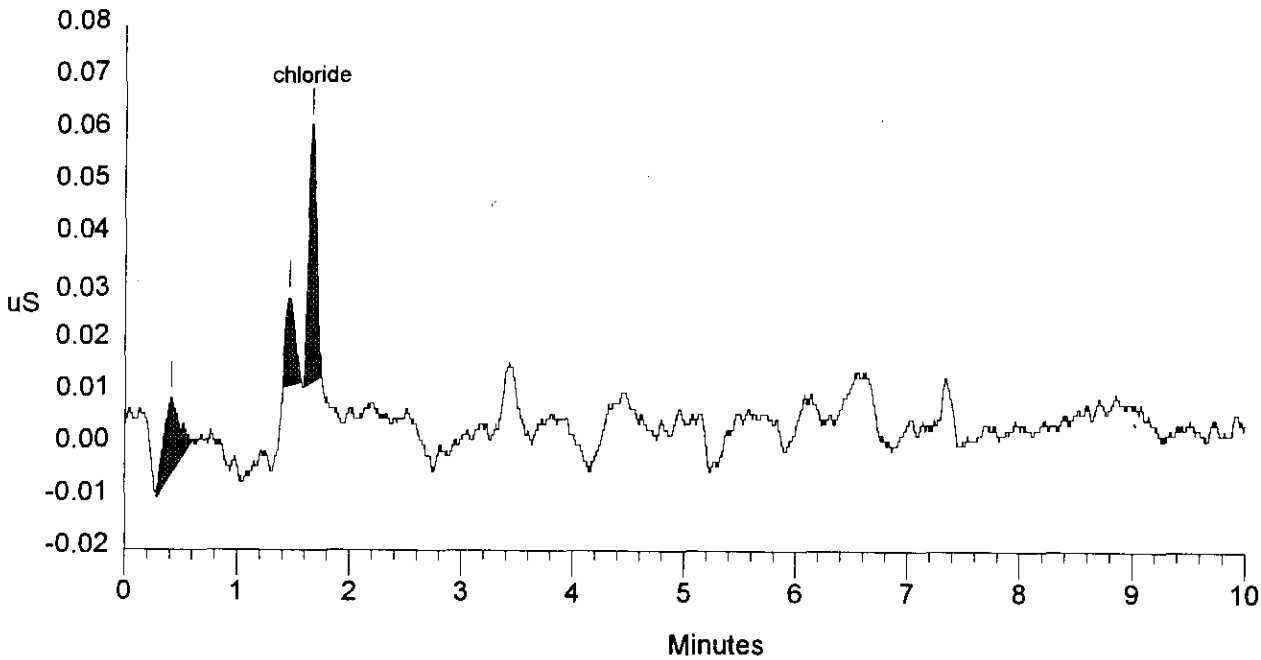
KRQ 7/25/96

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

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.41		0.000	15	138	1	
3	1.66	chloride	0.018	49	244	1	0.40
		Totals	0.018	64	382		

File: 96052641.d03 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 785.28 TO 785.36

Data Reprocessed On 05/28/1996 11:04:29

Sample Name: CCV 136N9-A Date: 05/26/1996 02:47:12
Data File : C:\DX\DATA\96052641.d04
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

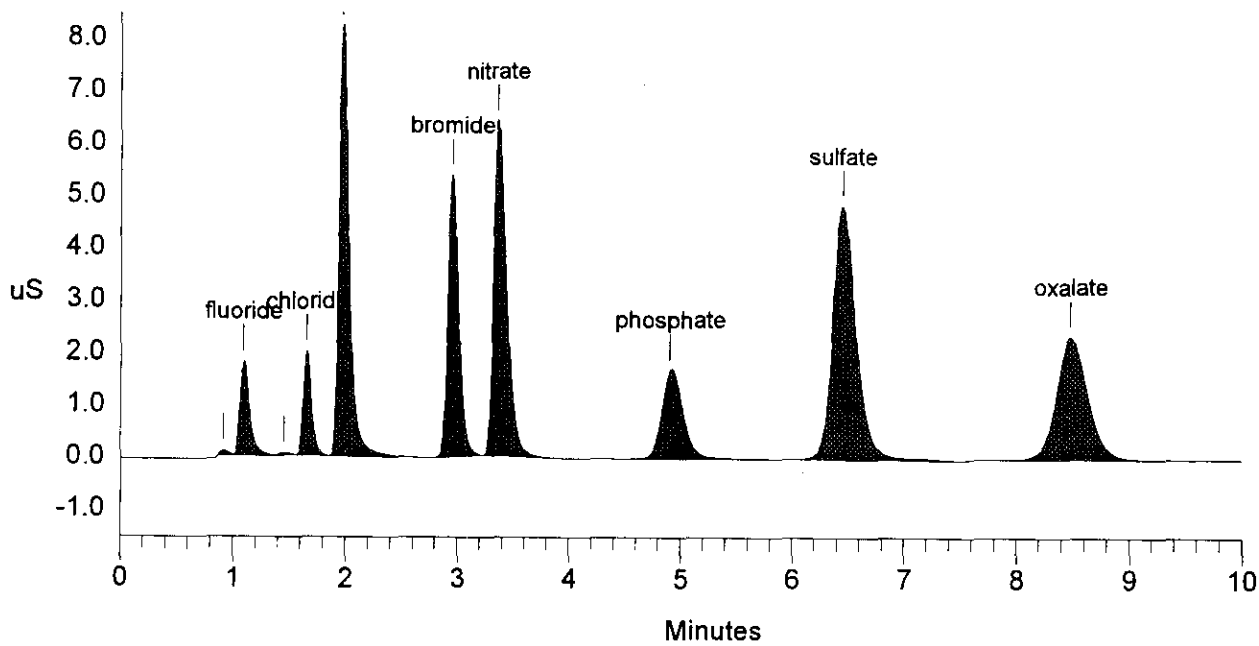
WHC-SD-WM-DP-182, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	90	458	2	
2	1.09	fluoride	59.822	1803	10719	2	2.50
3	1.45		0.000	50	293	1	
4	1.65	chloride	75.790	1988	10107	1	0.00
5	1.97	nitrite	560.064	8210	52124	1	-1.99
6	2.95	bromide	571.256	5376	35653	1	-0.23
7	3.36	nitrate	622.566	6384	51000	1	1.41
8	4.91	phosphate	550.300	1700	22459	1	-0.54
9	6.45	sulfate	647.361	4817	69302	1	-0.82
10	8.48	oxalate	528.011	2335	44209	1	-0.62
		Totals	3615.171	32753	296324		

File: 96052641.d04 Sample: CCV 136N9-A

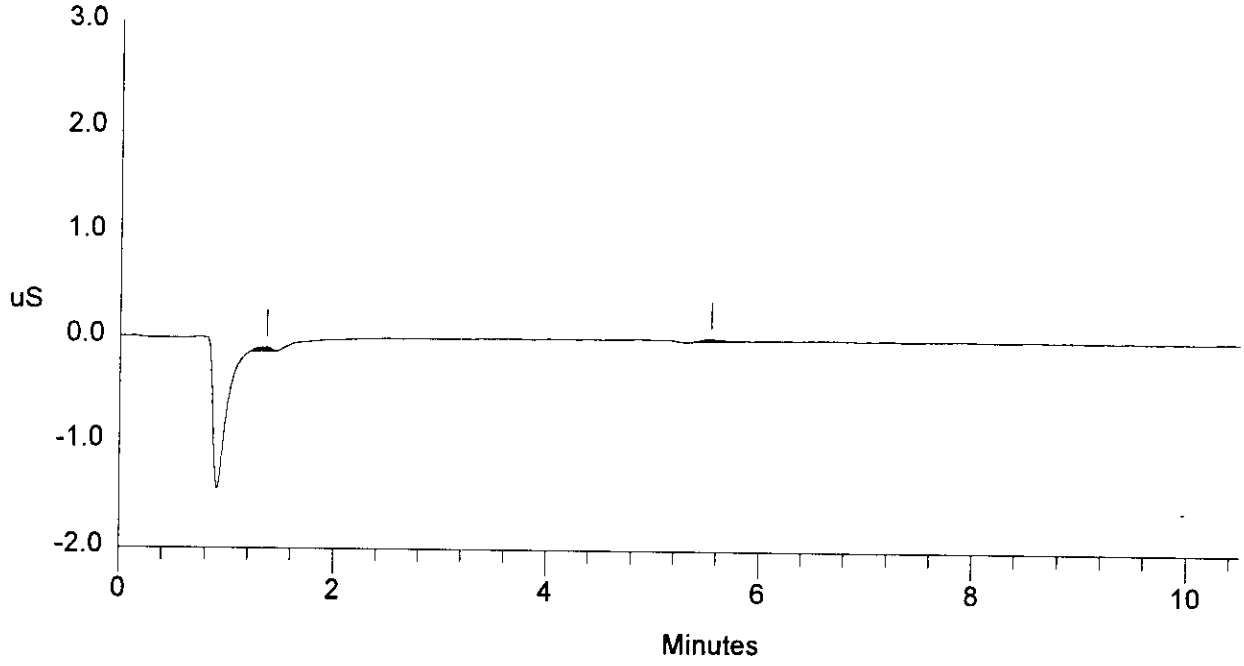


Data Reprocessed On 05/28/1996 11:04:32

Sample Name: BLANK PREP Date: 05/26/1996 03:11:02
Data File : C:\DX\DATA\96052551.d01
Method : C:\DX\METHOD\AUTOMEL.met **WHC-SD-WM-DP-182, REV. 1**
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	38	359	1	
2	5.55		0.000	25	407	1	
		Totals	0.000	64	766		

File: 96052551.d01 Sample: BLANK PREP