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

DOCUMENT NUMBER: SD-WM-DP-164

SECTION 3 **OF** 12

TITLE: Final Report for Tank 241BY104 Rotary Mode Cores 116 & 117 [Pgs 398 Thru 597]

DATE: 06/25/1996

ORIGINATOR: Benar CJ

CO: WHC

RECIPIENT:

CO:

REFERENCES: ECN-629043

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

Type		SAMPLE
LIQUID	Sample Aliquot in mL	0.50000
Work List	Sample Dilution Volume in mL (Sample+H2O Vol.)	0.50000
5406	Sample Aliquot Taken from dilution in mL (SS)	0.50000
Test Code	Absorbance of Blank	0.007
CN-03	Absorbance of Sample	0.723
Matrix	Digest Dilution Factor	1
LIQUID	Y-Intercept Value	0.007237
Sample #	Slope Value	0.147420
S95T003761	µg of Cyanide	4.808
Instrument Code	µg CN- /mL	9.62E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
JTK	µg/mL of Cyanide = µg Cyanide / SS (mL) * Dilution Factor * Digest Dilution Factor	
Date	Dilution Factor = Flask Volume (mL) / Sample Aliquot (mL)	
03/12/96	Detection Limit = 0.055 µg Cyanide / SS (mL) * Dilution Factor * Digest Dilution Factor	
Time	v RESULTS v	
	Cyanide Concentration (µg/mL)	9.62E+00
Calibration Date		
02/25/96		

Detection Limit µg CN- / mL
1.10E-01

Data Entry by: HLA Date: 03/15/96

Approved by: HLA Date: 3-15-96

Form 695102C1 Rev. 1.7

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DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

Type		SAMPLE
LIQUID	Sample Aliquot in mL	0.50000
Work List	Sample Dilution Volume in mL (Sample+H2O Vol.)	0.50000
5406	Sample Aliquot Taken from dilution in mL (SS)	0.50000
Test Code	Absorbance of Blank	0.007
CN-03	Absorbance of Sample	0.592
Matrix	Digest Dilution Factor	1
LIQUID	Y-Intercept Value	0.007237
Sample #	Slope Value	0.147420
S95T003761 DUP	µg of Cyanide	3.919
Instrument Code	µg CN- /mL	7.84E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
JTK	µg/mL of Cyanide = µg Cyanide / SS (mL) * Dilution Factor * Digest Dilution Factor	
Date	Dilution Factor = Flask Volume (mL) / Sample Aliquot (mL)	
03/12/96	Detection Limit = 0.055 µg Cyanide / SS (mL) * Dilution Factor * Digest Dilution Factor	
Time	v RESULTS v	
	Cyanide Concentration (µg/mL)	7.84E+00
Calibration Date		
02/25/96		

Detection Limit µg CN- / mL
1.10E-01

Data Entry by:	HLA	Date:	03/15/96
Approved by:	Hea	Date:	3-15-96

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DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) SPIKE, STANDARD

Type		SPIKE	NA
SPIKE	Spike Aliquot in mL	0.250	
Work List	Diluent + Spike Standard Volume	25.00	
5406	Diluted Spike Standard in mL	0.250	
Test Code	True Value CN- Concentration (µg/mL)	915	
CN-03	Absorbance of Blank	0.007	
Matrix	Absorbance of Sample+Spike	1.001	
LIQUID	Y-Intercept Value	0.007237	
Sample #	Slope Value	0.147420	
S95T003761 SPK	µg of CN- in Sample+Spike	6.694	
Instrument Code			
301			
Analyst	Known µg of CN- in Original Sample	4.8080	
JTK			
Date	µg of CN- in Spike	2.2875	
03/12/96			
Time	Spike % Recovery	82.4%	
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/25/96	Original Sample Calculation from Form 695102C1		

DATA NOT USED IN PACKAGE

µg of CN- in Sample (Correced) = Known µg of CN- in Original Sample * g of Sample in Spike / g Used in Original Sample
µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg of CN- in Spike = LMCS Value (ppm) / Dilution Factor * Diluted Spike Standard
Dilution Factor = Spike Dilution Volume / Spike Aliquot
Spike % Recovery = (µg of CN- in Sample+Spike) - (µg of CN- in Sample) / (µg of CN- in Spike) * 100%

Data Entry by:	HLA	Date:	03/15/96
Approved by:	H Anastas	Date:	3-15-96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) SPIKE, STANDARD

Type		NA	STANDARD
STANDARD	Standard Aliquot in mL		0.250
Work List	Diluent + Standard Volume		25.00
5406	Diluted Standard in mL to be Analyzed		0.500
Test Code	True Value CN- Concentration (µg/mL)		915
CN-03	Absorbance of Blank		0.007
Matrix	Absorbance of Standard		0.741
LIQUID	Y-Intercept Value		0.007237
Sample #	Slope Value		0.147420
71N8G - CCV	µg of CN in Standard		4.930
Instrument Code			
301			
Analyst			
JTK			
Date	µg of CN-/mL in Standard		986
03/12/96			
Time	Standard % Recovery		107.8%
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/25/96	Original Sample Calculation from Form 695102C1		

DATA NOT USED IN PACKAGE

µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg/mL of CN- = µg of CN- in Standard / Diluted Standard * Dilution Factor
Dilution Factor = Flask Volume / Standard Aliquot
Standard % Recovery = (µg of CN-/mL in Standard / True Value CN- Concentration (µg/mL)) * 100

Data Entry by:	HLA	Date:	03/15/96
Approved by:	H Anastas	Date:	3-15-96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-154, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

		SAMPLE
Type		
BLANK		
Work List		
5406	Blank Aliquot in mL (SS)	5.00000
Test Code	Absorbance of Instrument Blank	0.000
CN-03	Absorbance of Blank (Reagent, Prep)	0.010
Matrix	Digest Dilution Factor	1
LIQUID	Y-Intercept Value	0.007237
Sample #	Slope Value	0.147420
BLANK - CCB	µg of Cyanide	0.019
Instrument Code	µg CN- /mL	3.75E-03
301		
Analyst	µg of Cyanide = [|Absorb. of Blank - Absorb. of Inst. Blank| - (Y-Intercept)] / Slope Value	
JTK	µg/mL of Cyanide = µg Cyanide * Digest Dilution Factor / SS (mL)	
Date		
03/12/96	Detection Limit = 0.055 µg Cyanide / SS (mL) * Digest Dilution Factor	
Time	v RESULTS v	

DATA NOT USED IN PACKAGE

	Cyanide Concentration (µg/mL)	< Detection Limit	Detection Limit µg CN- / mL
Calibration Date			
02/25/96			1.10E-02

Data Entry by:	HLA	Date:	03/15/96
Approved by:	HGnaotn	Date:	3-15-96

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worklistrpt Version 2.1 05/15/95
02/05/96 13:53

LABCORE Data Entry Template for Worklist# 5462

Analyst: JHK/JDS 103 RWK 3/13/96 **Instrument:** CN01 _____ **Book #** 71N8F

Method: LA-695-~~102~~ Rev/Mod A-0

Worklist Comment: BY-104 CN RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				CN-01	SOLID	1	~~<1.10-2~~ <3.8e-2 Hea 3-15-96	N/A	ug/g
		2	STD				CN-01	SOLID	947	~~823~~ 854 Hea 3-15-96	N/A	ug/g
95000200	BY104 ROTARY	3	SAMPLE	S95T003781	0		CN-01	SOLID	N/A	2.05	1.65	ug/g
95000200	BY104 ROTARY	4	DUP	S95T003781	0		CN-01	SOLID	2.05	2.45	N/A	ug/g
95000200	BY104 ROTARY	5	SPK	S95T003781	0		CN-01	SOLID	100	91.3	N/A	ug/g
95000200	BY104 ROTARY	6	SAMPLE	S95T003782	0		CN-01	SOLID	N/A	2.54	2.11	ug/g
95000200	BY104 ROTARY	7	DUP	S95T003782	0		CN-01	SOLID	2.54	3.66	N/A	ug/g
95000200	BY104 ROTARY	8	SPK	S95T003782	0		CN-01	SOLID	100	~~74.8~~ 75.1 Hea 3-15-96	N/A	ug/g
		9	CCV				CN-01	SOLID	947	800	N/A	ug/g
		10	CCB				CN-01	SOLID	1	~~<1.10~~ 3.8e-2 Hea 3-15-96	N/A	ug/g

Final page for worklist # 5462

[signature] 3/6/96
Analyst Signature **Date**

[signature] 3/7/96
Analyst Signature **Date**

DATA ENTRY BY [signature] 3-13-96

DATA
NOT USED
IN PACKAGE

Data Entry Comments: CCV Failure. Batch will be rerun
Hea 3-15-96

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

Type		SAMPLE
BLANK		
Work List		
5462	Blank Weight in g (SS)	5.00000
Test Code	Absorbance of Instrument Blank	0.000
CN-01	Absorbance of Blank (Reagent, Prep)	0.003
Matrix	Digest Dilution Factor	1
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
BLANK	µg of Cyanide	0.020
Instrument Code	µg CN- /g	3.91E-03
301		
Analyst	µg of Cyanide = [|Absorb. of Blank - Absorb. of Inst. Blank| - (Y-Intercept)] / Slope Value	
JDS	µg/mL of Cyanide = µg Cyanide * Digest Dilution Factor / SS (mL)	
Date		
02/07/96	Detection Limit = 0.19 µg Cyanide * Digest Dilution Factor / SS (mL)	
Time	v RESULTS v	

DATA NOT USED IN PACKAGE

	Cyanide Concentration (µg/mL)	< Detection Limit	Detection Limit µg CN- / g
Calibration Date			
02/23/96			3.80E-02

Data Entry by:	HCA	Date:	03/15/96
Approved by:	Heather Quanstrom	Date:	3-15-96

Form 695102C1 Rev. 1.7

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PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) SPIKE, STANDARD

		NA	STANDARD
Type			
STANDARD	Standard Aliquot in mL		0.250
Work List	Diluent + Standard Volume		25.00
5462	Diluted Standard in mL to be Analyzed		0.500
Test Code	True Value CN- Concentration (µg/mL)		947
CN-01	Absorbance of Blank		0.003
Matrix	Absorbance of Standard		0.617
SOLID	Y-Intercept Value		0.000194
Sample #	Slope Value		0.143424
71N8F	µg of CN in Standard		4.280
Instrument Code			
301			
Analyst			
JDS			
Date	µg of CN-/mL in Standard		856
03/07/96			
Time	Standard % Recovery		90.4%
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/23/96	Original Sample Calculation from Form 695102C1		

DATA NOT USED IN AVERAGE

µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg/mL of CN- = µg of CN- in Standard / Diluted Standard * Dilution Factor
Dilution Factor = Flask Volume / Standard Aliquot
Standard % Recovery = (µg of CN-/mL in Standard / True Value CN- Concentration (µg/mL)) * 100

Data Entry by:	Hla	Date:	03/15/96
Approved by:	Hla	Date:	3-15-96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

		SAMPLE
Type		
SOLID	Sample Weight in grams (SS)	0.57430
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5462	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.003
Matrix	Absorbance of Sample	0.037
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95T003781	µg of Cyanide	0.236
Instrument Code	µg CN- /g	2.05E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
JDS	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/07/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	2.05E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
1.65E+00

Data Entry by:	[illegible]	Date:	03/13/96
Approved by:	[illegible]	Date:	3-15-96

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DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

Type		SAMPLE
SOLID	Sample Weight in grams (SS)	0.57990
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5462	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.003
Matrix	Absorbance of Sample	0.044
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95T003781DUP	µg of Cyanide	0.285
Instrument Code	µg CN- /g	2.45E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
JDS	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/07/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	2.45E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
1.64E+00

Data Entry by:	[illegible]	Date:	03/13/96
Approved by:	[illegible]	Date:	3-15-96

Form 695102C1 Rev. 1.7

DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) SPIKE, STANDARD

Type		SPIKE	NA
SPIKE	Spike Aliquot in mL	0.250	
Work List	Diluent + Spike Standard Volume	25.00	
5462	Diluted Spike Standard in mL	0.250	
Test Code	True Value CN- Concentration (µg/mL)	947	
CN-01	Absorbance of Blank	0.003	
Matrix	Absorbance of Sample+Spike	0.347	
SOLID	Y-Intercept Value	0.000194	
Sample #	Slope Value	0.143424	
S95T003781SPK	µg of CN- in Sample+Spike	2.397	
Instrument Code			
301			
Analyst	Known µg of CN- in Original Sample	0.2360	
JDS			
Date	µg of CN- in Spike	2.3675	
03/07/96			
Time	Spike % Recovery	91.3%	
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/23/96	Original Sample Calculation from Form 695102C1		

µg of CN- in Sample (Correced) = Known µg of CN- in Original Sample * g of Sample in Spike / g Used in Original Sample
µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg of CN- in Spike = LMCS Value (ppm) / Dilution Factor * Diluted Spike Standard
Dilution Factor = Spike Dilution Volume / Spike Aliquot
Spike % Recovery = (µg of CN- in Sample+Spike) - (µg of CN- in Sample) / (µg of CN- in Spike) * 100%

DATA NOT USED IN PACKAGE

Data Entry by:	[illegible]	Date:	03/13/96
Approved by:	H Anastos	Date:	3-15-96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

Type		SAMPLE
SOLID	Sample Weight in grams (SS)	0.45101
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5462	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.003
Matrix	Absorbance of Sample	0.036
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95T003782	µg of Cyanide	0.229
Instrument Code	µg CN- /g	2.54E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
JDS	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/07/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	2.54E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
2.11E+00

Data Entry by:		Date:	03/13/96
Approved by:		Date:	3-15-96

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DATA NOT IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

		SAMPLE
Type		
SOLID	Sample Weight in grams (SS)	0.44642
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5462	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.003
Matrix	Absorbance of Sample	0.05
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95T003782DUP	µg of Cyanide	0.326
Instrument Code	µg CN- /g	3.66E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
JDS	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/07/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	3.66E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
2.13E+00

Data Entry by:	[illegible]	Date:	03/13/96
Approved by:	H Canaster	Date:	3-15-96

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DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) SPIKE, STANDARD

		SPIKE	NA
Type			
SPIKE	Spike Aliquot in mL	0.250	
Work List	Diluent + Spike Standard Volume	25.00	
5462	Diluted Spike Standard in mL	0.250	
Test Code	True Value CN- Concentration (µg/mL)	947	
CN-01	Absorbance of Blank	0.003	
Matrix	Absorbance of Sample+Spike	0.291	
SOLID	Y-Intercept Value	0.000194	
Sample #	Slope Value	0.143424	
S95T003782SPK	µg of CN- in Sample+Spike	2.007	
Instrument Code			
301			
Analyst	Known µg of CN- in Original Sample	0.2290	
JDS			
Date	µg of CN- in Spike	2.3675	
03/07/96			
Time	Spike % Recovery	75.1%	
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/23/96	Original Sample Calculation from Form 695102C1		

DATA NOT USED IN PACKAGE

µg of CN- in Sample (Correced) = Known µg of CN- in Original Sample * g of Sample in Spike / g Used in Original Sample
µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg of CN- in Spike = LMCS Value (ppm) / Dilution Factor * Diluted Spike Standard
Dilution Factor = Spike Dilution Volume / Spike Aliquot
Spike % Recovery = (µg of CN- in Sample+Spike) - (µg of CN- in Sample) / (µg of CN- in Spike) * 100%

Data Entry by:	Hea	Date:	03/15/96
Approved by:	Hea	Date:	3-15-96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (E-0) SPIKE, STANDARD

Type		NA	STANDARD
STANDARD	Standard Aliquot in mL		0.250
Work List	Diluent + Standard Volume		25.00
5462	Diluted Standard in mL to be Analyzed		0.500
Test Code	True Value CN- Concentration (µg/mL)		947
CN-01	Absorbance of Blank		0.003
Matrix	Absorbance of Standard		0.600
LIQUID	Y-Intercept Value		0.007237
Sample #	Slope Value		0.147420
CCV	µg of CN in Standard		4.001
Instrument Code			
301			
Analyst			
JDS			
Date	µg of CN-/mL in Standard		800
03/07/96			
Time	Standard % Recovery		84.5%
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/25/96	Original Sample Calculation from Form 695102C1		

DATA NOT USED IN PACKAGE

µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg/mL of CN- = µg of CN- in Standard / Diluted Standard * Dilution Factor
Dilution Factor = Flask Volume / Standard Aliquot
Standard % Recovery = (µg of CN-/mL in Standard / True Value CN- Concentration (µg/mL)) * 100

Data Entry by:	[illegible]	Date:	03/13/96
Approved by:	H Anastor	Date:	3-15-96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP 154 REV. 1

CN- DETERMINATION : LA-695-102 (E-0) BLANK, LIQUID, SOLID

Type		SAMPLE
BLANK		
Work List		
5462	Blank Aliquot in mL (SS)	5.00000
Test Code	Absorbance of Instrument Blank	0.003
CN-01	Absorbance of Blank (Reagent, Prep)	0.004
Matrix	Digest Dilution Factor	1
LIQUID	Y-Intercept Value	0.007237
Sample #	Slope Value	0.147420
CCB	µg of Cyanide	-0.042
Instrument Code	µg CN- /mL	-8.46E-03
301		
Analyst	µg of Cyanide = [|Absorb. of Blank - Absorb. of Inst. Blank| - (Y-Intercept)] / Slope Value	
JDS	µg/mL of Cyanide = µg Cyanide * Digest Dilution Factor / SS (mL)	
Date	0.19 HLa 3-15-96	
03/07/96	Detection Limit = ~~0.055~~ µg Cyanide / SS (mL) * Digest Dilution Factor	
Time	v RESULTS v	

	Cyanide Concentration (µg/mL)	< Detection Limit	Detection Limit µg CN- / mL
Calibration Date			
02/25/96			~~1.10E-02~~ 3.8e-2 HLa 3-15-96

Data Entry by:		Date:	03/13/96
Approved by:	HLa	Date:	3-15-96

Form 695102C1 Rev. 1.7

Page 1 of 1

DO NOT IN PACKAGE

LABCORE Data Entry Template for Worklist# 5461

Analyst: J+K ~~102~~ 103 RWS 3/12/96 **Instrument:** CN01 301 **Book #** 71N8F

Method: LA-695-~~102~~ Rev/Mod A-0

Worklist Comment: BY-104 CN RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				CN-01	SOLID	1	<1.10 E-2	N/A	ug/g
		2	STD				CN-01	SOLID	947	848	N/A	ug/g
95000180	BY104 ROTARY	3	SAMPLE	S95T003703	0		CN-01	SOLID	N/A	2.79	1.66	ug/g
95000180	BY104 ROTARY	4	DUP	S95T003703	0		CN-01	SOLID	2.79	2.88	N/A	ug/g
95000180	BY104 ROTARY	5	SPK	S95T003703	0		CN-01	SOLID	100	~~47.7%~~ 47.7% R+Stds	N/A	ug/g
95000200	BY104 ROTARY	6	SAMPLE	S95T003764	0		CN-01	SOLID	N/A	2.91	2.04	ug/g
95000200	BY104 ROTARY	7	DUP	S95T003764	0		CN-01	SOLID	2.91	<2.01	N/A	ug/g
95000200	BY104 ROTARY	8	SPK	S95T003764	0		CN-01	SOLID	100	10.0%	N/A	ug/g
		9	CCV				CN-01	SOLID	1	<1.10 E-2	N/A	ug/g
		10	CCB				CN-01	SOLID	947	1001	N/A	ug/g

RWS 3/12/96

Final page for worklist # 5461

Analyst Signature Date 3/6/96

Analyst Signature Date 3/12/96

Reviewed RW Schroeder 3/12/96

Data Entry Comments: X Reveiwed and rejected. Results are too inconsistant. RWS 3/12/96

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) SPIKE, STANDARD

		NA	STANDARD
Type			
STANDARD	Standard Aliquot in mL		0.250
Work List	Diluent + Standard Volume		25.00
5461	Diluted Standard in mL to be Analyzed		0.500
Test Code	True Value CN- Concentration (µg/mL)		947
CN-01	Absorbance of Blank		0.004
Matrix	Absorbance of Standard		0.612
LIQUID	Y-Intercept Value		0.000194
Sample #	Slope Value		0.143424
71N8F	µg of CN in Standard		4.238
Instrument Code			
301			
Analyst			
J. KNIGHT			
Date	µg of CN-/mL in Standard		848
03/06/96			
Time	Standard % Recovery		89.5%
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/23/96	Original Sample Calculation from Form 695102C1		

µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg/mL of CN- = µg of CN- in Standard / Diluted Standard * Dilution Factor
Dilution Factor = Flask Volume / Standard Aliquot
Standard % Recovery = (µg of CN-/mL in Standard / True Value CN- Concentration (µg/mL)) * 100

Data Entry by:	R Ebel	Date:	03/08/96
Approved by:	RW Schroeder	Date:	3/12/96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-CP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) BLANK, LIQUID, SOLID

		SAMPLE
Type		
BLANK		
Work List		
5461	Blank Aliquot in mL (SS)	5.00000
Test Code	Absorbance of Instrument Blank	0.000
CN-01	Absorbance of Blank (Reagent, Prep)	0.004
Matrix	Digest Dilution Factor	1
LIQUID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
BLNK	µg of Cyanide	0.027
Instrument Code	µg CN- /mL	5.31E-03
301		
Analyst	µg of Cyanide = [|Absorb. of Blank - Absorb. of Inst. Blank| - (Y-Intercept)] / Slope Value	
J. KNIGHT	µg/mL of Cyanide = µg Cyanide * Digest Dilution Factor / SS (mL)	
Date		
03/06/96	Detection Limit = 0.055 µg Cyanide / SS (mL) * Digest Dilution Factor	
Time	v RESULTS v	

	Cyanide Concentration (µg/mL)	< Detection Limit	Detection Limit µg CN- / mL
Calibration Date			
02/23/96			1.10E-02

Data Entry by: [illegible] Date: 03/08/96

Approved by: RW Schroeder Date: 3/12/96

Form 695102C1 Rev. 1.7

DATA NOT USED IN PAGING

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP 164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) BLANK, LIQUID, SOLID

		SAMPLE
Type		
SOLID	Sample Weight in grams (SS)	0.57311
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5461	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.004
Matrix	Absorbance of Sample	0.05
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95TOO3703	µg of Cyanide	0.319
Instrument Code	µg CN- /g	2.79E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
J. KNIGHT	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/06/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	2.79E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
1.66E+00

Data Entry by: [illegible] Date: 03/08/96

Approved by: RW Schroeder Date: 3/12/96

Form 695102C1 Rev. 1.7

DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) BLANK, LIQUID, SOLID

Type		SAMPLE
SOLID	Sample Weight in grams (SS)	0.57898
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5461	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.004
Matrix	Absorbance of Sample	0.052
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95TOO3703/DUP	µg of Cyanide	0.333
Instrument Code	µg CN- /g	2.88E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
J. KNIGHT	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/06/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	2.88E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
1.64E+00

Data Entry by: [illegible] Date: 03/08/96

Approved by: RW Schroeder Date: 3/11/96

Form 695102C1 Rev. 1.7

DATA NOT REQUIRED IN PA

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) SPIKE, STANDARD

		SPIKE	NA
Type			
SPIKE	Spike Aliquot in mL	0.250	
Work List	Diluent + Spike Standard Volume	25.00	
5461	Diluted Spike Standard in mL	0.250	
Test Code	True Value CN- Concentration (µg/mL)	947	
CN-01	Absorbance of Blank	0.004	
Matrix	Absorbance of Sample+Spike	0.212	
SOLID	Y-Intercept Value	0.000194	
Sample #	Slope Value	0.143424	
S95T003703	µg of CN- in Sample+Spike	1.449	ERR
Instrument Code			
301			
Analyst	Known µg of CN- in Original Sample	0.3190	
J. KNIGHT			
Date	µg of CN- in Spike	2.3675	
03/06/96			
Time	Spike % Recovery	47.7%	
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/23/96	Original Sample Calculation from Form 695102C1		

µg of CN- in Sample (Correced) = Known µg of CN- in Original Sample * g of Sample in Spike / g Used in Original Sample
µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg of CN- in Spike = LMCS Value (ppm) / Dilution Factor * Diluted Spike Standard
Dilution Factor = Spike Dilution Volume / Spike Aliquot
Spike % Recovery = (µg of CN- in Sample+Spike) - (µg of CN- in Sample) / (µg of CN- in Spike) * 100%

Data Entry by:	RL Stark	Date:	03/08/96
Approved by:	RW Schroeder	Date:	3/12/96

Form X2 Rev. 1 0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV 1

CN- DETERMINATION : LA-695-102 (D-0) BLANK, LIQUID, SOLID

Type		SAMPLE
SOLID	Sample Weight in grams (SS)	0.46539
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5461	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.004
Matrix	Absorbance of Sample	0.043
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95TOO3764	µg of Cyanide	0.271
Instrument Code	µg CN- /g	2.91E+00
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
J. KNIGHT	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/06/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	
	Cyanide Concentration (µg/g)	2.91E+00
Calibration Date		
02/23/96		

Detection Limit µg CN- / g
2.04E+00

Data Entry by: [illegible] Date: 03/08/96

Approved by: R W Schroeder Date: 3/12/96

Form 695102C1 Rev. 1.7

DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) BLANK, LIQUID, SOLID

Type		SAMPLE
SOLID	Sample Weight in grams (SS)	0.47328
Work List	Dissolution Volume (EDTA/en + sample) in mL (DV)	5.00000
5461	Aliquot Analyzed from Dissolution (A)	1.00000
Test Code	Dilution Factor (DF)	1.000
CN-01	Absorbance of Blank	0.004
Matrix	Absorbance of Sample	0.015
SOLID	Y-Intercept Value	0.000194
Sample #	Slope Value	0.143424
S95TOO3764/DUP	µg of Cyanide	0.075
Instrument Code	µg CN- /g	7.96E-01
301		
Analyst	µg of Cyanide = [(Absorb. of Sample - Absorb. of Blank) - (Y-Intercept)] / Slope Value	
J. KNIGHT	µg/g of Cyanide = (µg Cyanide / A) * (DV / SS (g)) * DF	
Date		
03/06/96	Detection Limit = (0.19 µg Cyanide / A) * (DV / SS) * DF	
Time	v RESULTS v	

	Cyanide Concentration (µg/g)	< Detection Limit	Detection Limit µg CN- / g
Calibration Date			
02/23/96			2.01E+00

Data Entry by: [illegible] Date: 03/08/96

Approved by: RW Schroeder Date: 3/12/96

Form 695102C1 Rev. 1.7

DATA NOT VERIFIED

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-CP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) SPIKE, STANDARD

		SPIKE	NA
Type			
SPIKE	Spike Aliquot in mL	0.250	
Work List	Diluent + Spike Standard Volume	25.00	
5461	Diluted Spike Standard in mL	0.250	
Test Code	True Value CN- Concentration (µg/mL)	947	
CN-01	Absorbance of Blank	0.004	
Matrix	Absorbance of Sample+Spike	0.077	
SOLID	Y-Intercept Value	0.000194	
Sample #	Slope Value	0.143424	
S95T003764	µg of CN- in Sample+Spike	0.508	ERR
Instrument Code			
301			
Analyst	Known µg of CN- in Original Sample	0.2710	
J. KNIGHT			
Date	µg of CN- in Spike	2.3675	
03/06/96			
Time	Spike % Recovery	10.0%	
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/23/96	Original Sample Calculation from Form 695102C1		

µg of CN- in Sample (Correced) = Known µg of CN- in Original Sample * g of Sample in Spike / g Used in Original Sample
µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg of CN- in Spike = LMCS Value (ppm) / Dilution Factor * Diluted Spike Standard
Dilution Factor = Spike Dilution Volume / Spike Aliquot
Spike % Recovery = (µg of CN- in Sample+Spike) - (µg of CN- in Sample) / (µg of CN- in Spike) * 100%

Data Entry by:	[illegible]	Date:	03/08/96
Approved by:	RW Schroeder	Date:	3/12/96

Form X2 Rev. 1.0

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) BLANK, LIQUID, SOLID

		SAMPLE
Type		
BLANK		
Work List		
5461	Blank Aliquot in mL (SS)	5.00000
Test Code	Absorbance of Instrument Blank	0.000
CN-01	Absorbance of Blank (Reagent, Prep)	0.003
Matrix	Digest Dilution Factor	1
LIQUID	Y-Intercept Value	0.007237
Sample #	Slope Value	0.147420
CCB	µg of Cyanide	-0.029
Instrument Code	µg CN- /mL	-5.75E-03
301		
Analyst	µg of Cyanide = [|Absorb. of Blank - Absorb. of Inst. Blank| - (Y-Intercept)] / Slope Value	
J. KNIGHT	µg/mL of Cyanide = µg Cyanide * Digest Dilution Factor / SS (mL)	
Date		
03/06/96	Detection Limit = 0.055 µg Cyanide / SS (mL) * Digest Dilution Factor	
Time	v RESULTS v	

	Cyanide Concentration (µg/mL)	< Detection Limit	Detection Limit µg CN- / mL
Calibration Date			
02/25/96			1.10E-02

Data Entry by:	[illegible]	Date:	03/08/96
Approved by:	RW Schroeder	Date:	3/12/96

Form 695102C1 Rev. 1.7

DATA NOT USED IN [illegible]

PLACE ANALYTICAL CARD IN BOX BELOW-DO NOT WRITE IN SPACE

WHC-SD-WM-DP-164, REV. 1

CN- DETERMINATION : LA-695-102 (D-0) SPIKE, STANDARD

		NA	STANDARD
Type			
STANDARD	Standard Aliquot in mL		0.250
Work List	Diluent + Standard Volume		25.00
5461	Diluted Standard in mL to be Analyzed		0.500
Test Code	True Value CN- Concentration (µg/mL)		947
CN-01	Absorbance of Blank		0.003
Matrix	Absorbance of Standard		0.748
LIQUID	Y-Intercept Value		0.007237
Sample #	Slope Value		0.147420
CCV	µg of CN in Standard		5.004
Instrument Code			
301			
Analyst			
J. KNIGHT			
Date	µg of CN-/mL in Standard		1001
03/06/96			
Time	Standard % Recovery		105.7%
Calibration Date	Slope and Y-Intercept calculated from working curve calibration		
02/25/96	Original Sample Calculation from Form 695102C1		

µg of CN- in Sample+Spike = [(Absorbance of Sample+Spike - Absorbance of Blank) - (Y-Intercept)] / Slope Value
µg/mL of CN- = µg of CN- in Standard / Diluted Standard * Dilution Factor
Dilution Factor = Flask Volume / Standard Aliquot
Standard % Recovery = (µg of CN-/mL in Standard / True Value CN- Concentration (µg/mL)) * 100

Data Entry by:	[illegible]	Date:	03/08/96
Approved by:	RW Schroeder	Date:	3/12/96

Form X2 Rev. 1.0

LABCORE Data Entry Template for Worklist# 5353

Analyst: SMF **Instrument:** BA001 **Book #** 75N8A

Method: LA-564-101 Rev/Mod F-1

Worklist Comment: BY-104 %WATER-DO NOT RUN IN REPLICATE. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				WATER-01	SOLID	59.2	59.4	N/A	%
95000180	BY104 ROTARY	2	SAMPLE	S95T003643	0		WATER-01	SOLID	N/A	22.9	0.1	%
95000180	BY104 ROTARY	3	DUP	S95T003643	0		WATER-01	SOLID	22.9	23.0	N/A	%
95000180	BY104 ROTARY	4	SAMPLE	S95T003646	0		WATER-01	SOLID	N/A	23.2	0.1	%
95000180	BY104 ROTARY	5	DUP	S95T003646	0		WATER-01	SOLID	23.2	23.1	N/A	%
95000200	BY104 ROTARY	6	SAMPLE	S95T003810	0		WATER-01	SOLID	N/A	15.6	0.1	%
95000200	BY104 ROTARY	7	DUP	S95T003810	0		WATER-01	SOLID	15.6	14.6	N/A	%

Final page for worklist # 5353

Susie M. Fulton 2-11-96 1500
Analyst Signature **Date**

2/11/96
Analyst Signature **Date**

Reviewed RW Schneider 2/27/96

Data Entry Comments:

S95T SMF

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		STANDARD	REPLICATE
Type	Tare Weight (W1) grams	15.0845	14.9670
STANDARD	Gross Weight (W2) grams	16.4365	16.3174
Work List	First Residue Weight (W3) grams	15.6329	15.5356
5353	Second Residue Weight (W4) grams	15.6244	15.5249
Test Code	Percent Difference	0.0544	0.0689
WATER-01	QC Check	Pass	Pass
Matrix	Percent Weight Loss	60.07	58.69
SOLID			
Sample #			
STD			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) = 59.4

Data Entry by: [signature] Date: 02/11/96

Approved by: [signature] Date: 2/27/96

Form 564101L1 Rev. 1.2

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	15.1611	
SAMPLE	Gross Weight (W2) grams	15.4420	
Work List	First Residue Weight (W3) grams	15.3777	
5353	Second Residue Weight (W4) grams	15.3776	
Test Code	Percent Difference	0.0007	ERR
WATER-01	QC Check	Pass	ERR
Matrix	Percent Weight Loss	22.93	ERR
SOLID			
Sample #			
S95T003643			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O =	22.9

Data Entry by:	[signature]	Date:	02/11/96
Approved by:	R.W. Schroeder	Date:	2/27/96

Form 564101L1 Rev. 1.2

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	15.0296	
DUPLICATE	Gross Weight (W2) grams	15.2825	
Work List	First Residue Weight (W3) grams	15.2245	
5353	Second Residue Weight (W4) grams	15.2244	
Test Code	Percent Difference	0.0007	ERR
WATER-01	QC Check	Pass	ERR
Matrix	Percent Weight Loss	22.97	ERR
SOLID			
Sample #			
S95T003643			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O =	23.0

Data Entry by:	[signature]	Date:	02/11/96
Approved by:	RW Schroeder	Date:	2/27/96

Form 564101L1 Rev. 1.2

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	15.1569	
SAMPLE	Gross Weight (W2) grams	15.3784	
Work List	First Residue Weight (W3) grams	15.3273	
5353	Second Residue Weight (W4) grams	15.3271	
Test Code	Percent Difference	0.0013	ERR
WATER-01	QC Check	Pass	ERR
Matrix	Percent Weight Loss	23.16	ERR
SOLID			
Sample #			
S95T003646			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O =	23.2

Data Entry by:	Dany Hemmett	Date:	02/11/96
Approved by:	RW Schroeder	Date:	2/27/96

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	15.2726	
DUPLICATE	Gross Weight (W2) grams	15.7669	
Work List	First Residue Weight (W3) grams	15.6532	
5353	Second Residue Weight (W4) grams	15.6529	
Test Code	Percent Difference	0.0019	ERR
WATER-01	QC Check	Pass	ERR
Matrix	Percent Weight Loss	23.06	ERR
SOLID			
Sample #			
S95T003646			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O =	23.1

Data Entry by:	[signature]	Date:	02/11/96
Approved by:	RW Schroeder	Date:	2/27/96

Form 564101L1 Rev. 1.2

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-OP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	14.9660	
SAMPLE	Gross Weight (W2) grams	15.4546	
Work List	First Residue Weight (W3) grams	15.3782	
5353	Second Residue Weight (W4) grams	15.3784	
Test Code	Percent Difference	0.0013	ERR
WATER-01	QC Check	Pass	ERR
Matrix	Percent Weight Loss	15.60	ERR
SOLID			
Sample #			
S95T003810			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O =	15.6

Data Entry by:	Dany Hammett	Date:	02/11/96
Approved by:	RW Schroeder	Date:	2/27/96

Form 564101L1 Rev. 1.2

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-OP-164 REV 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	14.9948	
DUPLICATE	Gross Weight (W2) grams	15.6290	
Work List	First Residue Weight (W3) grams	15.5367	
5353	Second Residue Weight (W4) grams	15.5366	
Test Code	Percent Difference	0.0006	ERR
WATER-01	QC Check	Pass	ERR
Matrix	Percent Weight Loss	14.57	ERR
SOLID			
Sample #			
S95T003810			
Instrument Code			
BA001			
Analyst			
SMF			
Date			
02/11/96			
Time			
03:00 PM			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O =	14.6

Data Entry by:	[signature]	Date:	02/11/96
Approved by:	Rus Schneider	Date:	2/27/96

LABCORE Data Entry Template for Worklist# 5638

Analyst: SMF **Instrument:** BA001 **Book #** 75N8P

Method: LA-564-101 Rev/Mod F-1

Worklist Comment: BY-104 %H2O DO NOT RUN IN REPLICATE. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				WATER-01	SOLID	59.2	59.8	N/A	%
95000180	BY104 ROTARY	2	SAMPLE	S95T003528	0		WATER-01	SOLID	N/A	16.9		%
95000180	BY104 ROTARY	3	DUP	S95T003528	0		WATER-01	SOLID	16.9	18.34	N/A	%
95000180	BY104 ROTARY	4	SAMPLE	S95T003529	0		WATER-01	SOLID	N/A	14.66		%
95000180	BY104 ROTARY	5	DUP	S95T003529	0		WATER-01	SOLID	14.66	15.74	N/A	%
95000180	BY104 ROTARY	6	SAMPLE	S95T003645	0		WATER-01	SOLID	N/A	22.52		%
95000180	BY104 ROTARY	7	DUP	S95T003645	0		WATER-01	SOLID	22.52	21.29	N/A	%

Final page for worklist # 5638

Susie M. Fulton 2-21-96 1500
Analyst Signature **Date**

2-22-96
Analyst Signature **Date**

Approved by H Anastos 2-26-96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		STANDARD	REPLICATE
Type	Tare Weight (W1) grams	15.0767	15.2257
STANDARD	Gross Weight (W2) grams	16.4270	16.5767
Work List	First Residue Weight (W3) grams	15.6246	15.7669
5638	Second Residue Weight (W4) grams	15.6228	15.7664
Test Code	Percent Difference	0.0115	0.0032
WATER-01	QC Check	Pass	Pass
Matrix	Percent Weight Loss	59.56	59.98
SOLID			
Sample #			
STD/75N8A			
Instrument Code			
BA001			
Analyst			
S.M. FULTON			
Date			
02/21/96			
Time			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	59.8

Data Entry by:	RTS	Date:	02/22/96
Approved by:	H Anastos	Date:	2-26-96

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	15.3767	15.3931
SAMPLE	Gross Weight (W2) grams	15.9702	16.2163
Work List	First Residue Weight (W3) grams	15.8690	16.0641
5638	Second Residue Weight (W4) grams	15.8699	16.0653
Test Code	Percent Difference	0.0057	0.0075
WATER-01	QC Check	Pass	Pass
Matrix	Percent Weight Loss	16.90	18.34
SOLID			
Sample #			
S95T003528 & DUP			
Instrument Code			
BA001			
Analyst			
S.M. FULTON			
Date			
02/21/96			
Time			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	17.6

Data Entry by:	RTS	Date:	02/22/96
Approved by:	H Anderson	Date:	2-26-96

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Type	Tare Weight (W1) grams	15.1064	15.2623
SAMPLE	Gross Weight (W2) grams	15.4174	15.5507
Work List	First Residue Weight (W3) grams	15.3715	15.5049
5638	Second Residue Weight (W4) grams	15.3718	15.5053
Test Code	Percent Difference	0.0020	0.0026
WATER-01	QC Check	Pass	Pass
Matrix	Percent Weight Loss	14.66	15.74
SOLID			
Sample #			
S95T003529 & Dup			
Instrument Code			
BA001			
Analyst			
S.M. FULTON			
Date			
02/21/96			
Time			

Dup RPT

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) = 15.2

Data Entry by:	RTS	Date:	02/22/96
Approved by:	H Anderson	Date:	2-26-96

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV 1

% WATER : LA-564-101 (F-1)

		SAMPLE	REPLICATE
Tare Weight (W1) grams		15.0833	15.1007
Gross Weight (W2) grams		15.9671	15.9146
First Residue Weight (W3) grams		15.7661	15.7388
Second Residue Weight (W4) grams		15.7681	15.7413
Percent Difference		0.0127	0.0159
QC Check		Pass	Pass
Percent Weight Loss		22.52	21.29

Dup Rebtch

Type	SAMPLE
Work List	5638
Test Code	WATER-01
Matrix	SOLID
Sample #	S95T003645 & Dup
Instrument Code	BA001
Analyst	S.M. FULTON
Date	02/21/96
Time	

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	21.9

Data Entry by:	RTS	Date:	02/22/96
Approved by:	[illegible]	Date:	2-26-96

Form 564101L1 Rev. 1.2

RUSH

LABCORE Data Entry Template for Worklist# 5639

Analyst: SMF **Instrument:** BA001 **Book #** 7508-A

Method: LA-564-101 Rev/Mod F-1

Worklist Comment: BY-104 %H20 DO NOT RUN IN REPLICATE. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				WATER-01	SOLID	RJ Stub ~~6~~ 59.2	60.0	N/A	%
95000180	BY104 ROTARY	2	SAMPLE	S95T003702	0		WATER-01	SOLID	N/A	8.45		%
95000180	BY104 ROTARY	3	DUP	S95T003702	0		WATER-01	SOLID	8.45	9.22	N/A	%
95000180	BY104 ROTARY	4	SAMPLE	S95T003703	0		WATER-01	SOLID	N/A	12.53		%
95000180	BY104 ROTARY	5	DUP	S95T003703	0		WATER-01	SOLID	12.53	11.80	N/A	%
95000200	BY104 ROTARY	6	SAMPLE	S95T003785	0		WATER-01	SOLID	N/A	16.14		%
95000200	BY104 ROTARY	7	DUP	S95T003785	0		WATER-01	SOLID	16.14	16.40	N/A	%

Final page for worklist # 5639

Susie M. Fullen 2-21-96 1500
Analyst Signature **Date**

RJ Stub 2-22-96
Analyst Signature **Date**

Approved by
H Anastos 2-26-96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		STANDARD	REPLICATE
Tare Weight (W1) grams		15.1363	15.0541
Gross Weight (W2) grams		16.5170	16.4066
First Residue Weight (W3) grams		15.6882	15.5957
Second Residue Weight (W4) grams		15.6881	15.5956
Percent Difference		0.0006	0.0006
QC Check		Pass	Pass
Percent Weight Loss		60.03	59.96

Type	STANDARD
Work List	5639
Test Code	WATER-01
Matrix	SOLID
Sample#	STD/75N8A
Instrument Code	BA001
Analyst	S.M. FULTON
Date	02/21/96
Time	

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	60.0

Data Entry by:	RTS	Date:	02/22/96
Approved by:	H Anastas	Date:	2-26-96

Form 564101L1 Rev. 1.2

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE &DUP	REPLICATE
Tare Weight (W1) grams		15.0960	15.0844
Gross Weight (W2) grams		15.5019	15.4359
First Residue Weight (W3) grams		15.4673	15.4033
Second Residue Weight (W4) grams		15.4676	15.4035
Percent Difference		0.0019	0.0013
QC Check		Pass	Pass
Percent Weight Loss		8.45	9.22

Type	SAMPLE &DUP
Work List	5639
Test Code	WATER-01
Matrix	SOLID
Sample #	S95T003702
Instrument Code	BA001
Analyst	S.M. FULTON
Date	02/21/96
Time	

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	8.8

Data Entry by:	RTS	Date:	02/22/96
Approved by:	H Anastn	Date:	2-26-96

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE &DUP	REPLICATE
Tare Weight (W1) grams		15.1856	15.1962
Gross Weight (W2) grams		15.4825	15.6495
First Residue Weight (W3) grams		15.4450	15.5958
Second Residue Weight (W4) grams		15.4453	15.5960
Percent Difference		0.0019	0.0013
QC Check		Pass	Pass
Percent Weight Loss		12.53	11.80

Type	SAMPLE &DUP
WorkList	5639
Test Code	WATER-01
Matrix	SOLID
Sample #	S95T003703
Instrument Code	BA001
Analyst	S.M. FULTON
Date	02/21/96
Time	

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	12.2

Data Entry by:	RTS	Date:	02/22/96
Approved by:	J. Anastos	Date:	2-26-96

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-164, REV. 1

% WATER : LA-564-101 (F-1)

		SAMPLE &DUP	REPLICATE
Type	Tare Weight (W1) grams	15.2131	15.3816
SAMPLE &DUP	Gross Weight (W2) grams	15.7527	16.1550
Work List	First Residue Weight (W3) grams	15.6643	16.0264
5639	Second Residue Weight (W4) grams	15.6656	16.0282
Test Code	Percent Difference	0.0083	0.0112
WATER-01	QC Check	Pass	Pass
Matrix	Percent Weight Loss	16.14	16.40
SOLID			
Sample #			
S95T003785			
Instrument Code			
BA001			
Analyst			
S.M. FULTON			
Date			
02/21/96			
Time			

(If it is necessary to do a 3rd heating then substitute the last weight measured for W4 and the second to last weight measured for W3 in the calculations above.)

Sample = W2 - W1	= Gross Weight - Tare Weight
Weight = W2 - W4	= Gross Weight - Residue Weight
Percent Difference	= Absolute Value of [(W3-W4)/W4]*100.00
QC Check "Pass" if % Difference	= < +/- 0.1500%
Percent Water Weight Loss	= [(W2-W4)/(W2-W1)]*100 = % H2O
Percent Water (Average)	= [(% H2O for A) + (% H2O for B)] / 2

RESULT

% H2O (Average) =	16.3

Data Entry by:	RTS	Date:	02/22/96
Approved by:	J Chnestn	Date:	2-26-96

Form 564101L1 Rev. 1.2

LABCORE Completed Worklist Report for Worklist# 4673

Analyst: kgh **Instrument:** IC01 **Book#** 122N9F

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

Worklist Comment: BY-104 FOR IC 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		2.43e-01	0.240	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		5.60e+01	94.920	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.60e+01	96.200	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534		5.12e+02	95.880	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.52e+02	96.000	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.91e+02	96.250	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.32e+02	97.440	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.14e+02	97.310	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526		5.25e+02	99.810	% 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		2.60e-02	3.000e-002	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		2.28e-01	0.230	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.20e-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	REJECT	S95T003534	W	0	@IC-01	F-02	SOLID	N/A		1.366e+04		ug/g
4	REJECT	S95T003534	W	0	@IC-01	CL-02	SOLID	N/A		2.051e+03		ug/g
4	REJECT	S95T003534	W	0	@IC-01	NO2-02	SOLID	N/A		3.027e+04		ug/g
4	REJECT	S95T003534	W	0	@IC-01	BR-02	SOLID	N/A	<	9.143e+02		ug/g
4	REJECT	S95T003534	W	0	@IC-01	NO3-02	SOLID	N/A		7.229e+04		ug/g
4	REJECT	S95T003534	W	0	@IC-01	PO4-02	SOLID	N/A		1.461e+04		ug/g
4	REJECT	S95T003534	W	0	@IC-01	SO4-02	SOLID	N/A		5.036e+04		ug/g
4	REJECT	S95T003534	W	0	@IC-01	OXALATE2	SOLID	N/A		5.915e+04		ug/g
5	DUP	S95T003534	W	0	@IC-01	F-02	SOLID	1.37e+04		1.60e+04	15.490	RPD
5	DUP	S95T003534	W	0	@IC-01	CL-02	SOLID	2.05e+03		2.08e+03	1.450	RPD
5	DUP	S95T003534	W	0	@IC-01	NO2-02	SOLID	3.03e+04		3.00e+04	1.000	RPD
5	DUP	S95T003534	W	0	@IC-01	BR-02	SOLID	<9.14e2		<8.77e2		RPD
5	DUP	S95T003534	W	0	@IC-01	NO3-02	SOLID	7.23e+04		6.12e+04	16.630	RPD
5	DUP	S95T003534	W	0	@IC-01	PO4-02	SOLID	1.46e+04		3.44e+04	80.820	RPD
5	DUP	S95T003534	W	0	@IC-01	SO4-02	SOLID	5.04e+04		4.66e+04	7.840	RPD
5	DUP	S95T003534	W	0	@IC-01	OXALATE2	SOLID	5.92e+04		5.91e+04	0.170	RPD
6	SPK	S95T003534	W	0	@IC-01	F-02	SOLID	59		<5.33e-1		% Recovery

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

WHC-SD-WM-DP-164, REV. 1

LABCORE Completed Worklist Report for Worklist# 4673

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S95T003534	0	W	@IC-01	CL-02	SOLID	79	46.025	58.260	% Recovery
6	SPK	S95T003534	0	W	@IC-01	NO2-02	SOLID	534	87.400	16.370	% Recovery
6	SPK	S95T003534	0	W	@IC-01	BR-02	SOLID	575	537.500	93.480	% Recovery
6	SPK	S95T003534	0	W	@IC-01	NO3-02	SOLID	614	<5.74e0		% Recovery
6	SPK	S95T003534	0	W	@IC-01	PO4-02	SOLID	546	311.080	56.970	% Recovery
6	SPK	S95T003534	0	W	@IC-01	SO4-02	SOLID	631	<5.57e0		% Recovery
6	SPK	S95T003534	0	W	@IC-01	OXALATE2	SOLID	526	<4.30e0		% Recovery
7	SAMPLE	S95T003536	0	W	@IC-01	F-02	SOLID	N/A	5.812e+03	99.020	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	CL-02	SOLID	N/A	4.417e+02	129.500	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	NO2-02	SOLID	N/A	5.767e+03	815.100	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	BR-02	SOLID	N/A <	9.599e+02	959.900	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	NO3-02	SOLID	N/A	3.871e+05	1.066e+003	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	PO4-02	SOLID	N/A	4.880e+04	913.400	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	SO4-02	SOLID	N/A	4.700e+03	1.035e+003	ug/g
7	SAMPLE	S95T003536	0	W	@IC-01	OXALATE2	SOLID	N/A	4.277e+03	799.900	ug/g
8	DUP	S95T003536	0	W	@IC-01	F-02	SOLID	5.81e+03	6.71e+03	14.380	RPD
8	DUP	S95T003536	0	W	@IC-01	CL-02	SOLID	4.42e+02	4.75e+02	7.200	RPD
8	DUP	S95T003536	0	W	@IC-01	NO2-02	SOLID	5.77e+03	5.93e+03	2.740	RPD
8	DUP	S95T003536	0	W	@IC-01	BR-02	SOLID	<9.60e2	<9.93e2		RPD
8	DUP	S95T003536	0	W	@IC-01	NO3-02	SOLID	3.87e+05	4.32e+05	10.990	RPD
8	DUP	S95T003536	0	W	@IC-01	PO4-02	SOLID	4.88e+04	5.72e+04	15.850	RPD
8	DUP	S95T003536	0	W	@IC-01	SO4-02	SOLID	4.70e+03	4.61e+03	1.930	RPD
8	DUP	S95T003536	0	W	@IC-01	OXALATE2	SOLID	4.28e+03	4.33e+03	1.160	RPD

Final page for worklist# 4673

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

Reviewer Signature Date 3/5/96

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 20-Feb-96

Worklist#: 4673

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003534
=>	5	DUP	S95T003534
=>	6	SPK	S95T003534
=>	7	SAMPLE	S95T003536
=>	8	DUP	S95T003536

Data File: 4673FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96021471.d01	BLANK	1.00
2	96021471.d02	122N9-E STD	101.00
3	96021471.d03	PREP-BLANK	1.00
4	96021471.d04	S96T003534 SAM	41.00
5	96021471.d05	S96T003534 DUP	41.00
6	96021471.d06	S96T003534 SPK	41.00
7	96021471.d07	S96T003536 SAM	41.00
8	96021471.d08	S96T003536 DUP	41.00

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

LABCORE Data Entry Template for Worklist# 4673

Analyst: [illegible] **Instrument:** IC01 _____ **Book#** [illegible]

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003534	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
5	DUP	S95T003534	0	W	@IC-01	SOLID		
6	SPK	S95T003534	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003536	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
8	DUP	S95T003536	0	W	@IC-01	SOLID		

Final page for worklist # 4673

[illegible] 2-15-96

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

In shell uploaded 2/20/96 JMF

Spk. failed on all but Br for 3534, will rerun. JMF

(Will run ~~replicate~~ repun on 3534. JMF

Data Entry Comments:

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

Sample Name: BLANK
Date: 02/15/1996 07:46:37
Data File : C:\DX\DATA\96021471.D01
WHC-SD-WM-DP-164, REV. I
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

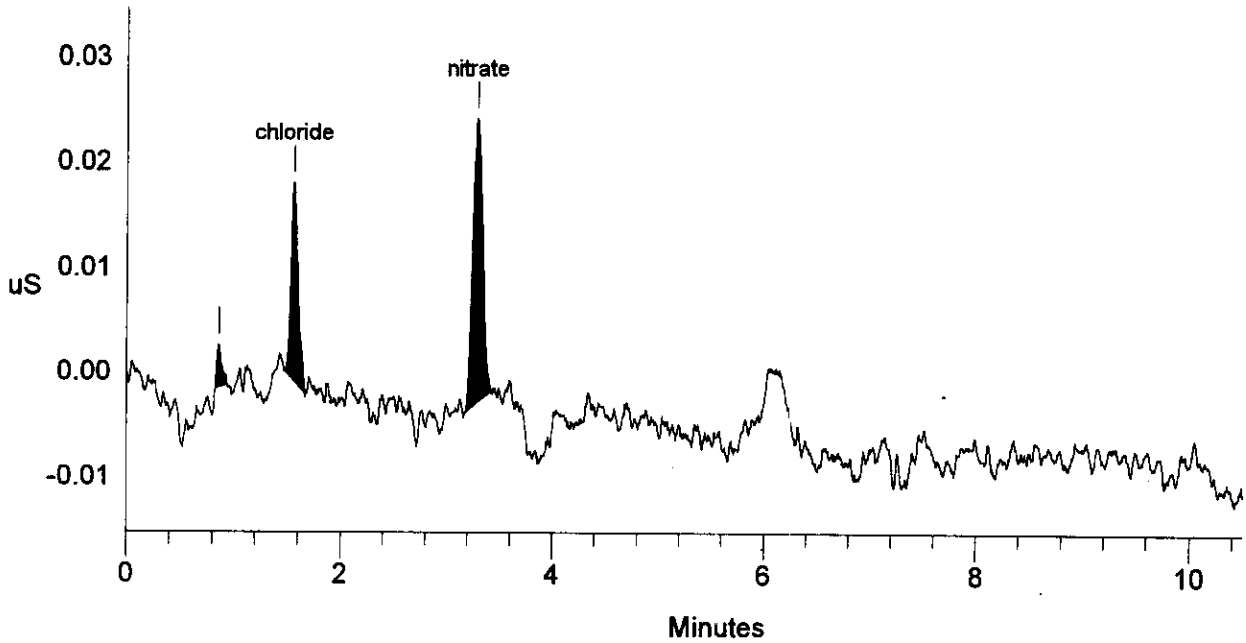
KGH 3/5/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.56	chloride	0.016	18841	85064	1	-0.64
3	3.29	nitrate	0.243	27126	174944	1	4.34
		Totals	0.260	45967	260008		

File: 96021471.D01 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 447 TO 454.

Sample Name: 122N9-E STD
Date: 02/15/1996 08:08:11
Data File : C:\DX\DATA\96021471.D02
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 2 Detector: CDM-2
Analyst : Column: AG4A/AS4A anion column

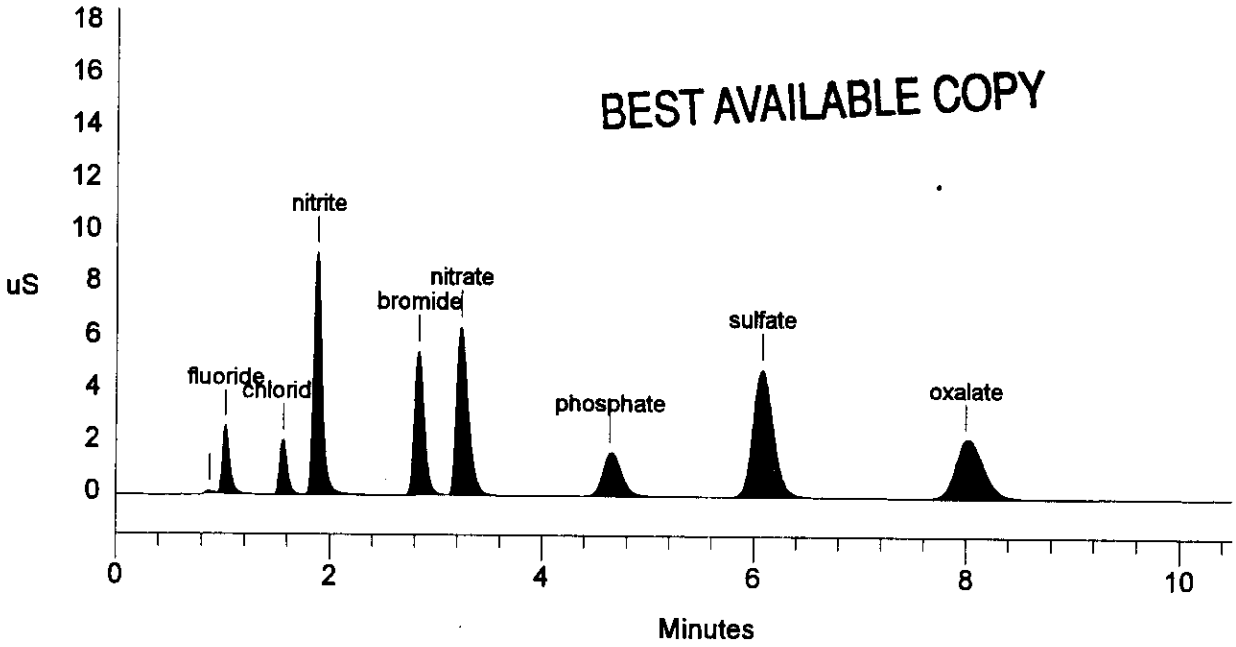
3596

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	84983	360810	2	
2	1.02	fluoride	55.975	2555016	11806445	2	0.99
3	1.56	chloride	76.037	2071623	10059970	1	-0.64
4	1.88	nitrite	512.086	9186677	48987826	1	-1.57
5	2.83	bromide	551.709	5478333	34228988	1	0.47
6	3.23	nitrate	599.538	6381568	48191818	1	2.65
7	4.64	phosphate	532.409	1650449	21137810	1	-1.07
8	6.08	sulfate	614.485	4881579	64634854	1	-1.78
9	8.00	oxalate	525.138	2218289	41340258	1	-1.36
		Totals	3467.377	34508516	280748778		

File: 96021471.D02 Sample: 122N9-E STD



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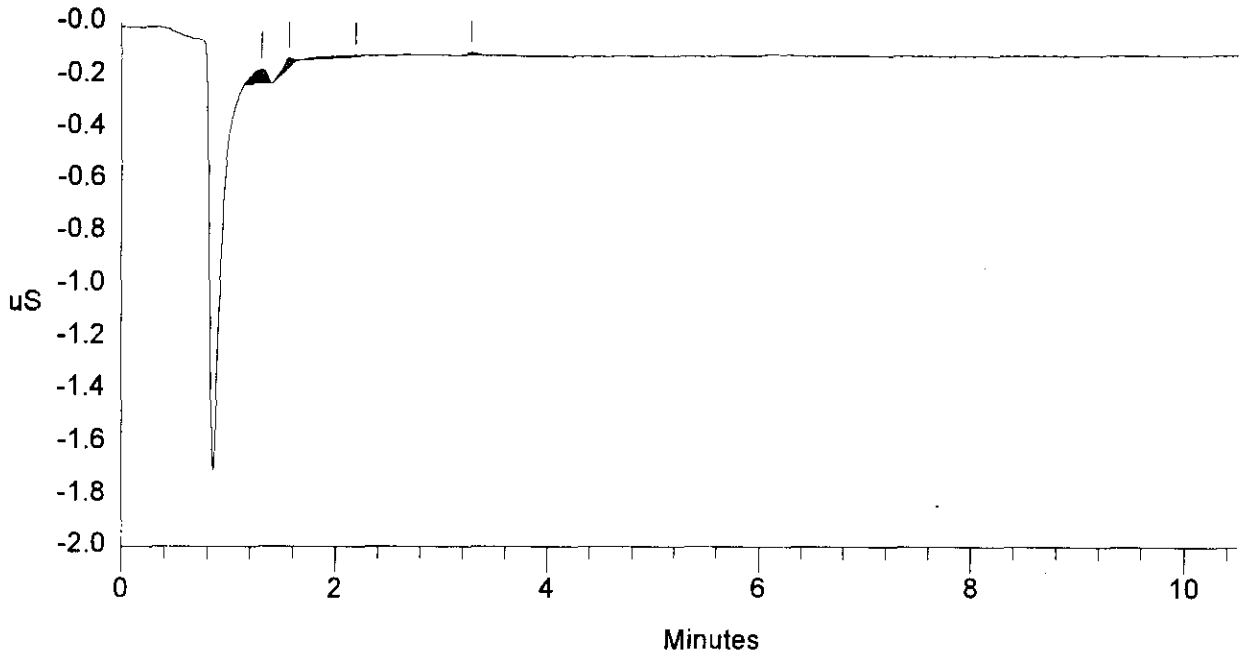
```
==============================================================================
| Sample Name: PREP-BLANK                          Date: 02/15/1996 08:52:54   |
| Data File  : C:\DX\DATA\96021471.D03                                        |
| Method     : C:\DX\METHOD\KIT.MET                WHC-SD-WM-DP-164, REV. |
| ACI Address: 1  System: 1  Inject#: 3                        Detector:CDM-2 |
| Analyst    :                 Column: AG4A/AS4A anion column                |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.31		0.000	53211	497840	1	
2	1.57	chloride	0.026	33987	214200	1	-0.21
3	2.19		0.000	4977	170740	1	
4	3.29	nitrate	0.228	8123	43640	1	4.34
		Totals	0.253	100298	926420		

File: 96021471.D03 Sample: PREP-BLANK



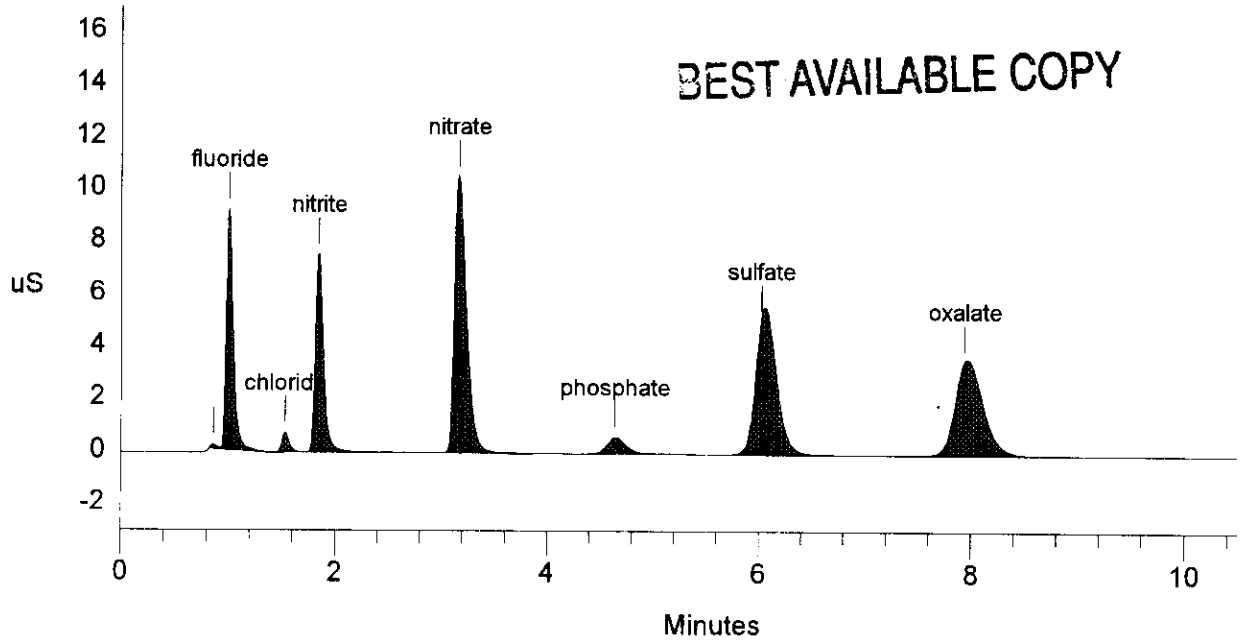
Sample Name: S96T003534 SAM Date: 02/15/1996 09:18:14
Data File : C:\DX\DATA\96021471.D04
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	168116	692507	2	
2	1.01	fluoride	77.153	9156481	41229288	2	-0.33
3	1.53	chloride	11.590	766339	3674672	1	-2.34
4	1.85	nitrite	171.040	7552835	40010322	1	-3.32
5	3.17	nitrate	408.454	10503200	82921682	1	0.53
6	4.64	phosphate	82.568	611518	7685408	1	-1.07
7	6.03	sulfate	284.525	5057222	74172796	1	-2.64
8	7.95	oxalate	334.208	3556194	65185314	1	-2.01
		Totals	1369.537	37371905	315571989		

File: 96021471.D04 Sample: S96T003534 SAM



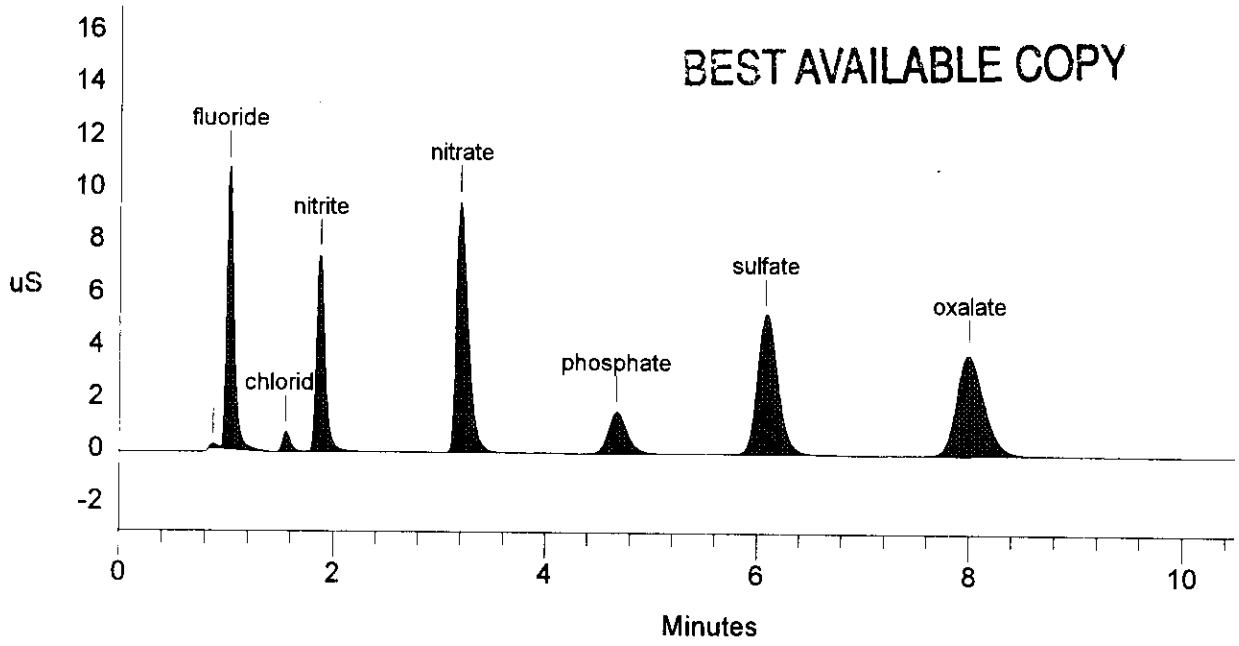
Sample Name: S96T003534 DUP Date: 02/15/1996 09:40:01
Data File : C:\DX\DATA\96021471.D05
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	164406	705827	2	
2	1.02	fluoride	94.315	10730731	50590858	2	0.99
3	1.55	chloride	12.173	769854	3866830	1	-1.06
4	1.87	nitrite	176.688	7478777	41386148	1	-1.92
5	3.19	nitrate	360.707	9553905	72808398	1	1.38
6	4.67	phosphate	202.940	1575830	19797736	1	-0.50
7	6.08	sulfate	274.887	5287593	71547518	1	-1.78
8	8.00	oxalate	348.315	3820223	67977062	1	-1.36
		Totals	1470.026	39381321	328680377		

File: 96021471.D05 Sample: S96T003534 DUP



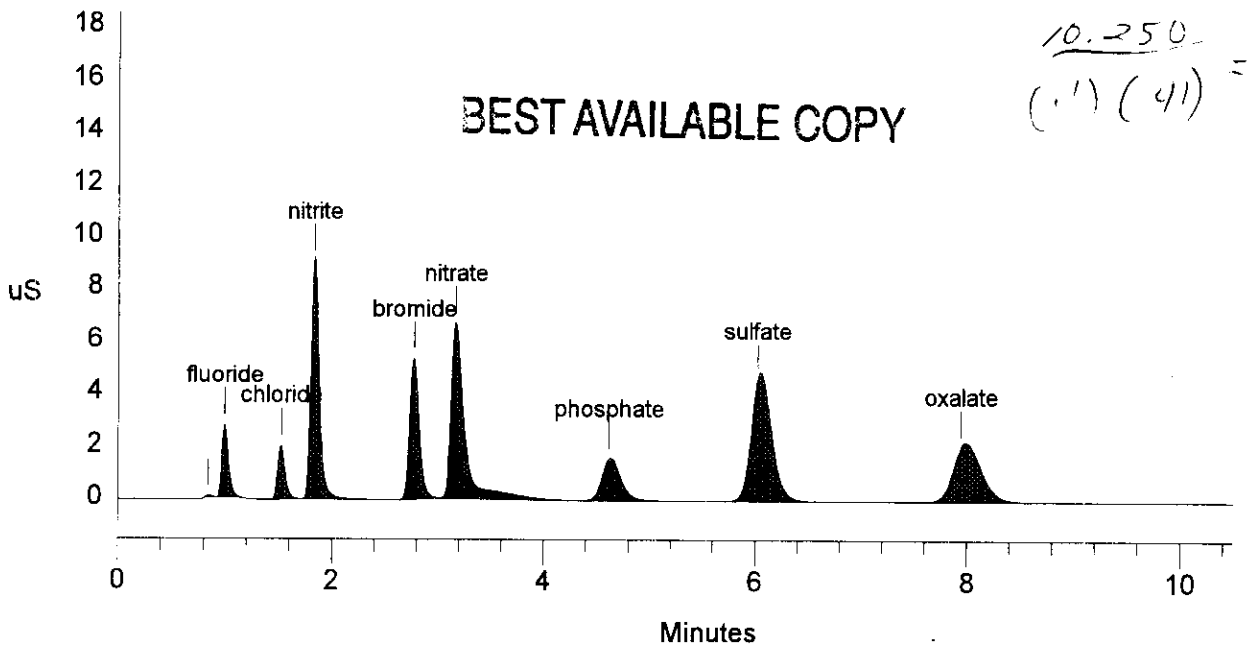
Sample Name: S96T003534 SPK Date: 02/15/1996 09:54:34
Data File : C:\DX\DATA\96021471.D06 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.85		0.000	78320	309188	2	
2	0.99	fluoride	22.644	2746899	11764439	2	-1.65
3	1.53	chloride	29.964	2041723	9759648	1	-2.76
4	1.83	nitrite	206.222	9079539	48584290	1	-4.01
5	2.77	bromide	215.294	5325524	32839766	1	-1.65
6	3.17	nitrate	297.986	6650367	59608090	1	0.53
7	4.61	phosphate	207.060	1565216	20216104	1	-1.63
8	6.03	sulfate	247.361	4570279	64069788	1	-2.64
9	7.95	oxalate	212.699	2058194	41246900	1	-2.01
		Totals	1439.230	34116061	288398213		

File: 96021471.D06 Sample: S96T003534 SPK



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$\frac{10.250}{(.1)(41)} = 2.5$

```
==============================================================================
| Sample Name: S96T003536 SAM                    Date: 02/15/1996 10:09:36    |
| Data File  : C:\DX\DATA\96021471.D07                                        |
| Method     : C:\DX\METHOD\KIT.MET                                           |
| ACI Address: 1  System: 1  Inject#: 7                      Detector:CDM-2   |
| Analyst    :                  Column: AG4A/AS4A anion column               |
==============================================================================
```

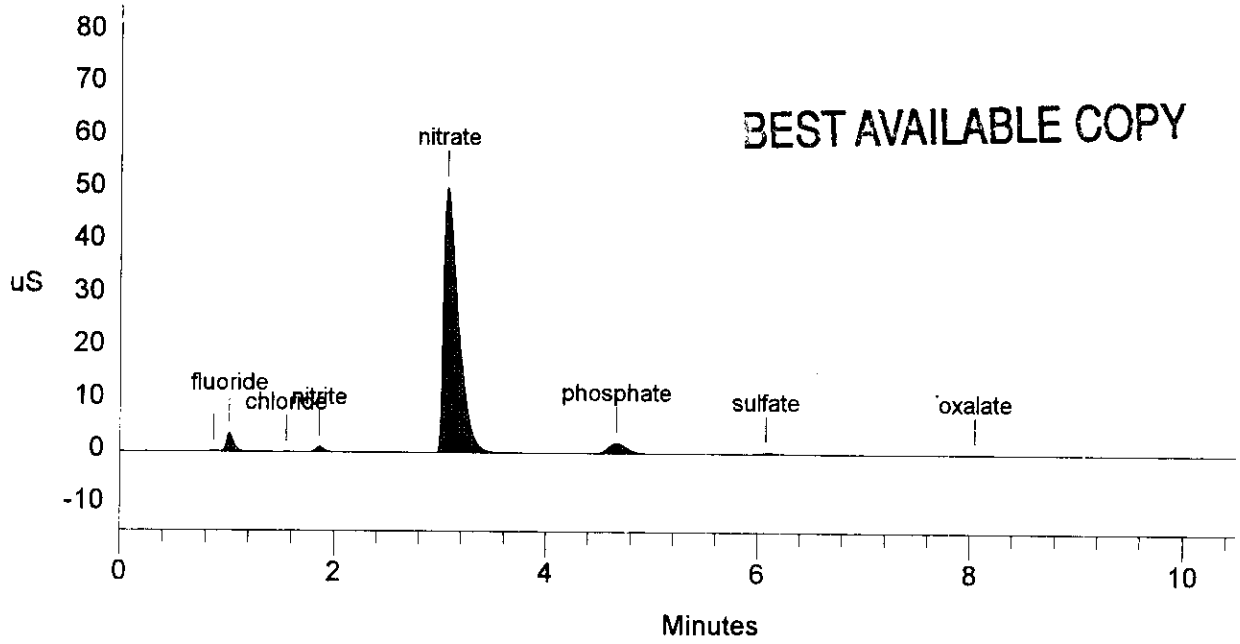
WHC-SD-WM-DP-164, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	138754	564718	2	
2	1.02	fluoride	31.321	3654470	16427586	2	0.99
3	1.55	chloride	2.377	135464	646382	1	-1.06
4	1.86	nitrite	31.040	1109204	5990856	1	-2.62
5	3.07	nitrate	2083.510	50442131	482884072	1	-2.65
6	4.67	phosphate	262.657	2057222	25887910	1	-0.50
7	6.08	sulfate	25.296	316041	4759466	1	-1.78
8	8.05	oxalate	23.021	229017	4256954	1	-0.70
		Totals	2459.220	58082302	541417944		

File: 96021471.D07 Sample: S96T003536 SAM



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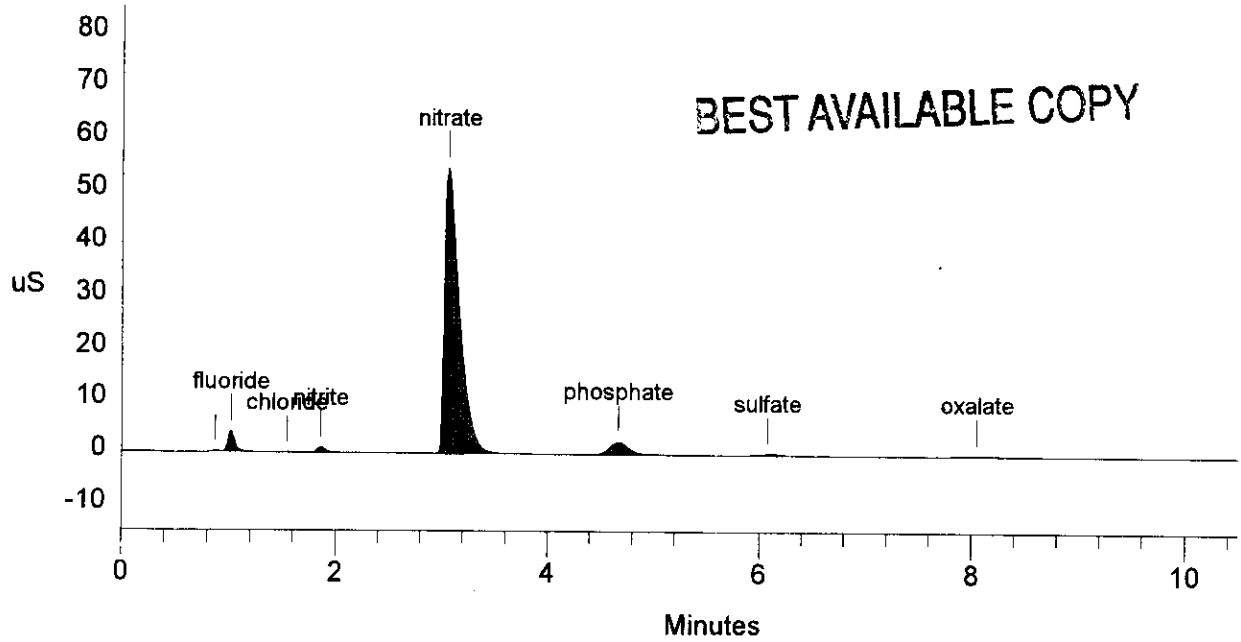
==============================================================================
| Sample Name: S96T003536 DUP                    Date: 02/15/1996 11:48:43    |
| Data File  : C:\DX\DATA\96021471.D08                                        |
| Method     : C:\DX\METHOD\KIT.MET              WHC-SD-WM-DP-164, REV. (     |
| ACI Address: 1  System: 1  Inject#: 8                        Detector:CDM-2 |
| Analyst    :                  Column: AG4A/AS4A anion column               |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	184496	817858	2	
2	1.02	fluoride	34.888	4059587	18347711	2	0.99
3	1.55	chloride	2.470	139733	676800	1	-1.49
4	1.86	nitrite	30.866	1114672	5948676	1	-2.62
5	3.06	nitrate	2247.540	54479334	528334826	1	-2.86
6	4.67	phosphate	297.776	2449210	29495558	1	-0.50
7	6.08	sulfate	23.982	288189	4413640	1	-1.78
8	8.05	oxalate	22.553	235403	4166192	1	-0.70
		Totals	2660.073	62950623	592201261		

File: 96021471.D08 Sample: S96T003536 DUP



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THE FOLLOWING ANALYSES WERE RERUN. THEY ARE INCLUDED IN THE DATA PACKAGE BUT THE RESULTS HAVE NOT BEEN REPORTED IN THE FINAL SUMMARY REPORTS.

LABCORE Completed Worklist Report for Worklist# 4677

Analyst: vlm **Instrument:** IC03 **Book#** 122N9E

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

Worklist Comment: BY-104 FOR IC 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	<1.40e-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	59	5.44e+01	92.200	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	6.98e+01	88.350	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	4.88e+02	91.390	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.17e+02	89.910	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	5.54e+02	91.860	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.01e+02	91.760	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	5.73e+02	90.810	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	4.80e+02	91.250	% 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	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-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	S95T003685	W	0	@IC-01	F-02	SOLID	N/A	5.332e+03	94.420	ug/g
4	REJECT	S95T003685	W	0	@IC-01	CL-02	SOLID	N/A	2.048e+03		ug/g
4	SAMPLE	S95T003685	W	0	@IC-01	NO2-02	SOLID	N/A	3.870e+04	777.300	ug/g
4	REJECT	S95T003685	W	0	@IC-01	BR-02	SOLID	N/A <	9.153e+02		ug/g
4	SAMPLE	S95T003685	W	0	@IC-01	NO3-02	SOLID	N/A	2.204e+05	1.016e+003	ug/g
4	SAMPLE	S95T003685	W	0	@IC-01	PO4-02	SOLID	N/A	3.130e+03	871.000	ug/g
4	SAMPLE	S95T003685	W	0	@IC-01	SO4-02	SOLID	N/A	2.309e+04	987.200	ug/g
4	SAMPLE	S95T003685	W	0	@IC-01	OXALATE2	SOLID	N/A	1.660e+04	762.800	ug/g
5	DUP	S95T003685	W	0	@IC-01	F-02	SOLID	5.33e+03	4.94e+03	7.590	RPD
5	DUP	S95T003685	W	0	@IC-01	CL-02	SOLID	2.05e+03	2.19e+03	6.600	RPD
5	DUP	S95T003685	W	0	@IC-01	NO2-02	SOLID	3.87e+04	4.09e+04	5.530	RPD
5	DUP	S95T003685	W	0	@IC-01	BR-02	SOLID	<9.15e2	<9.18e2		RPD
5	DUP	S95T003685	W	0	@IC-01	NO3-02	SOLID	2.20e+05	2.26e+05	2.690	RPD
5	DUP	S95T003685	W	0	@IC-01	PO4-02	SOLID	3.13e+03	2.44e+03	24.780	RPD
5	DUP	S95T003685	W	0	@IC-01	SO4-02	SOLID	2.31e+04	2.19e+04	5.330	RPD
5	DUP	S95T003685	W	0	@IC-01	OXALATE2	SOLID	1.66e+04	<7.65e2		RPD
6	SPK	S95T003685	W	0	@IC-01	F-02	SOLID	59	55.765	94.520	% Reco

DATA NOT USED IN PACKAGE

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

LABCORE Completed Worklist Report for Worklist# 4677

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S95T003685	0	W	@IC-01	CL-02	SOLID	79		74.350	94.110	% Recovery
6	SPK	S95T003685	0	W	@IC-01	NO2-02	SOLID	534		536.390	100.450	% Recovery
6	SPK	S95T003685	0	W	@IC-01	BR-02	SOLID	575		515.000	89.570	% Recovery
6	SPK	S95T003685	0	W	@IC-01	NO3-02	SOLID	614		615.275	100.210	% Recovery
6	SPK	S95T003685	0	W	@IC-01	PO4-02	SOLID	546		523.337	95.850	% Recovery
6	SPK	S95T003685	0	W	@IC-01	SO4-02	SOLID	631		609.267	96.560	% Recovery
6	SPK	S95T003685	0	W	@IC-01	OXALATE2	SOLID	526		508.300	96.630	% Recovery
7	SAMPLE	S95T003686	0	W	@IC-01	F-02	SOLID	N/A		5.412e+03	102.300	ug/g
7	REJECT	S95T003686	0	W	@IC-01	CL-02	SOLID	N/A		2.374e+03		ug/g
7	SAMPLE	S95T003686	0	W	@IC-01	NO2-02	SOLID	N/A		4.274e+04	842.200	ug/g
7	REJECT	S95T003686	0	W	@IC-01	BR-02	SOLID	N/A	<	9.917e+02		ug/g
7	SAMPLE	S95T003686	0	W	@IC-01	NO3-02	SOLID	N/A		1.868e+05	1.101e+003	ug/g
7	SAMPLE	S95T003686	0	W	@IC-01	PO4-02	SOLID	N/A		2.452e+03	943.700	ug/g
7	SAMPLE	S95T003686	0	W	@IC-01	SO4-02	SOLID	N/A		2.230e+04	1.070e+003	ug/g
7	SAMPLE	S95T003686	0	W	@IC-01	OXALATE2	SOLID	N/A		1.694e+04	826.400	ug/g
8	DUP	S95T003686	0	W	@IC-01	F-02	SOLID	5.41e+03		4.95e+03	8.880	RPD
8	DUP	S95T003686	0	W	@IC-01	CL-02	SOLID	2.37e+03		2.24e+03	5.640	RPD
8	DUP	S95T003686	0	W	@IC-01	NO2-02	SOLID	4.27e+04		3.89e+04	9.310	RPD
8	DUP	S95T003686	0	W	@IC-01	BR-02	SOLID	<9.92e2		<1.02e3		RPD
8	DUP	S95T003686	0	W	@IC-01	NO3-02	SOLID	1.87e+05		1.84e+05	1.620	RPD
8	DUP	S95T003686	0	W	@IC-01	PO4-02	SOLID	2.45e+03		1.54e+03	45.610	RPD
8	DUP	S95T003686	0	W	@IC-01	SO4-02	SOLID	2.23e+04		1.95e+04	13.400	RPD
8	DUP	S95T003686	0	W	@IC-01	OXALATE2	SOLID	1.69e+04		1.63e+04	3.610	RPD

Final page for worklist# 4677

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 3/6/96

DATA NOT USED IN PACKAGE

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

9602147I.D04 -> 9602147I.D12

LABCORE Data Entry Template for Worklist# 4677

Analyst: VLM **Instrument:** IC01 IC03 **Book#** 122N9E

Method: LA-533-105 Rev/Mod D-1 WHC-SD-WM-DP-164, REV. 1

Worklist Comment: BY-104 FOR IC RTS

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	S95T003685	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003685	0	W	@IC-01	SOLID		
6	SPK	S95T003685	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003686	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S95T003686	0	W	@IC-01	SOLID		

Final page for worklist # 4677

Valerie L Massie 02-14-96
Analyst Signature **Date**

Analyst Signature **Date**

Expired, install
Cl & Br std failed rerun both samples
for Cl & Br JME 3/5/96
Jean M. Lage uploaded 3/5/96

Data Entry Comments:

DATA NOT USED IN PACKAGE

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 28-Feb-96

Worklist#: 4677

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003685
=>	5	DUP	S95T003685
=>	6	SPK	S95T003685
=>	7	SAMPLE	S95T003686
=>	8	DUP	S95T003686

Data File: 4677FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96021471.d04	INSTR BLANK	1.00
	96021471.d05	122N9-E STD	101.00
2	96021471.d06	122N9-E STD	101.00
3	96021471.d07	PREP BLANK	1.00
4	96021471.d08	S95T003685 SAMPL	41.00
5	96021471.d09	S95T003685 DUP	41.00
6	96021471.d10	S95T003685 SPIKE	41.00
7	96021471.d11	S95T003686 SAMPL	41.00
8	96021471.d12	S95T003686 DUP	41.00

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

DATA
NOT USED
IN PACKAGE

Data Reprocessed On 02/26/1996 15:07:30

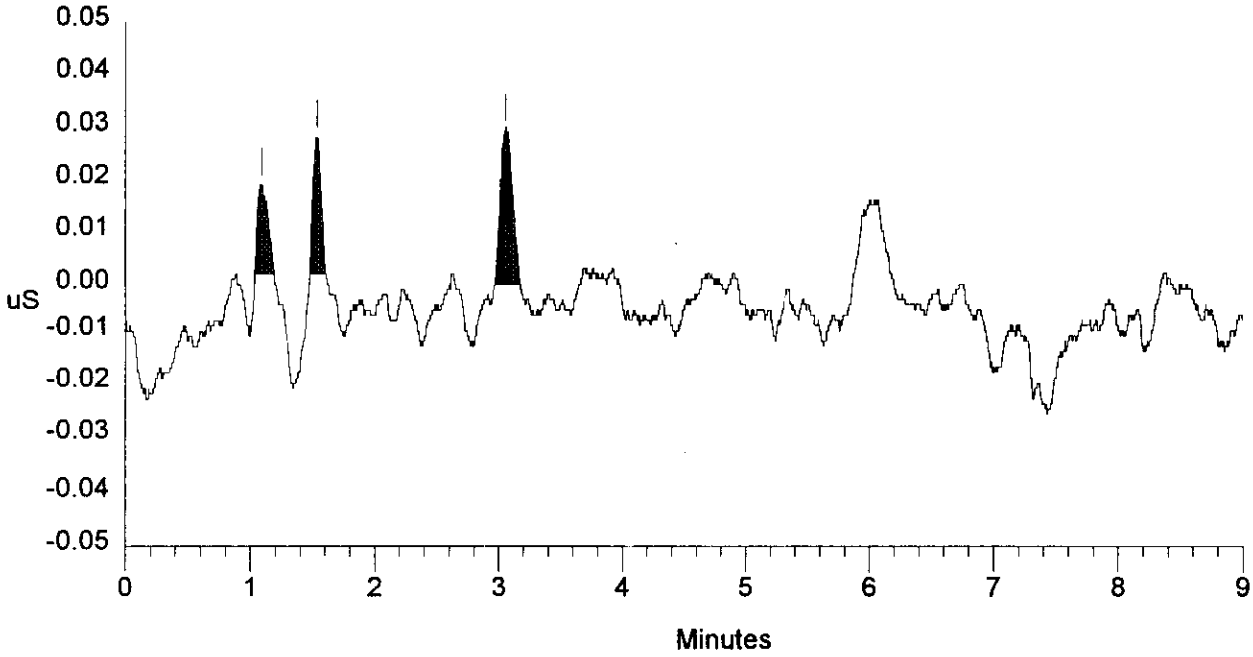
Sample Name: INSTR BLANK	Date: 02/14/1996 11:07:51
Data File : C:\DX\DATA\96021471.d04	
Method : C:\DX\METHOD\ANIONS.MET	WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 4	Detector:CDM-1
Analyst : J. Truth 3/7/96 Column:	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2700	5Hz	0.00	9.00	200

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

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

File: 96021471.d04 Sample: INSTR BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 459 TO 464.

DATA NOT USED IN PACKAGE

Data Reprocessed On 02/26/1996 15:07:31

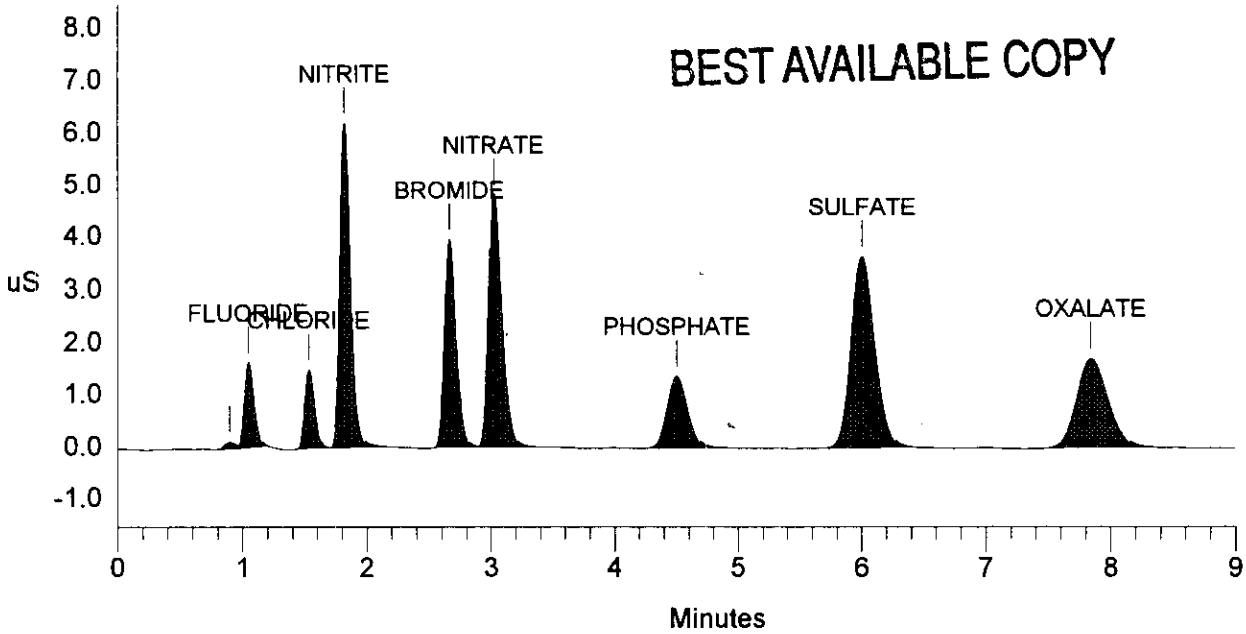
Sample Name: 122N9-E STD	Date: 02/14/1996 11:20:11
Data File : C:\DX\DATA\96021471.d05	WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET	
ACI Address: 1 System: 2 Inject#: 5	Detector:CDM-1
Analyst : [illegible] 3/7/96 Column:	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	120	665	2	
2	1.04	FLUORIDE	53.621	1609	8649	2	-1.57
3	1.53	CHLORIDE	81.924	1484	8139	1	-0.65
4	1.82	NITRITE	492.067	6183	36893	1	-0.18
5	2.66	BROMIDE	513.508	3928	25552	2	-0.99
6	3.02	NITRATE	561.964	4793	36565	2	-1.52
7	4.50	PHOSPHATE	509.426	1363	15526	1	-1.24
8	6.00	SULFATE	569.612	3616	48003	1	-1.75
9	7.84	OXALATE	469.726	1702	29522	1	-1.96
		Totals	3251.849	24799	209514		

File: 96021471.d05 Sample: 122N9-E STD



BEST AVAILABLE COPY

DATA NOT USED IN PACKAGE

Data Reprocessed On 02/26/1996 15:07:33

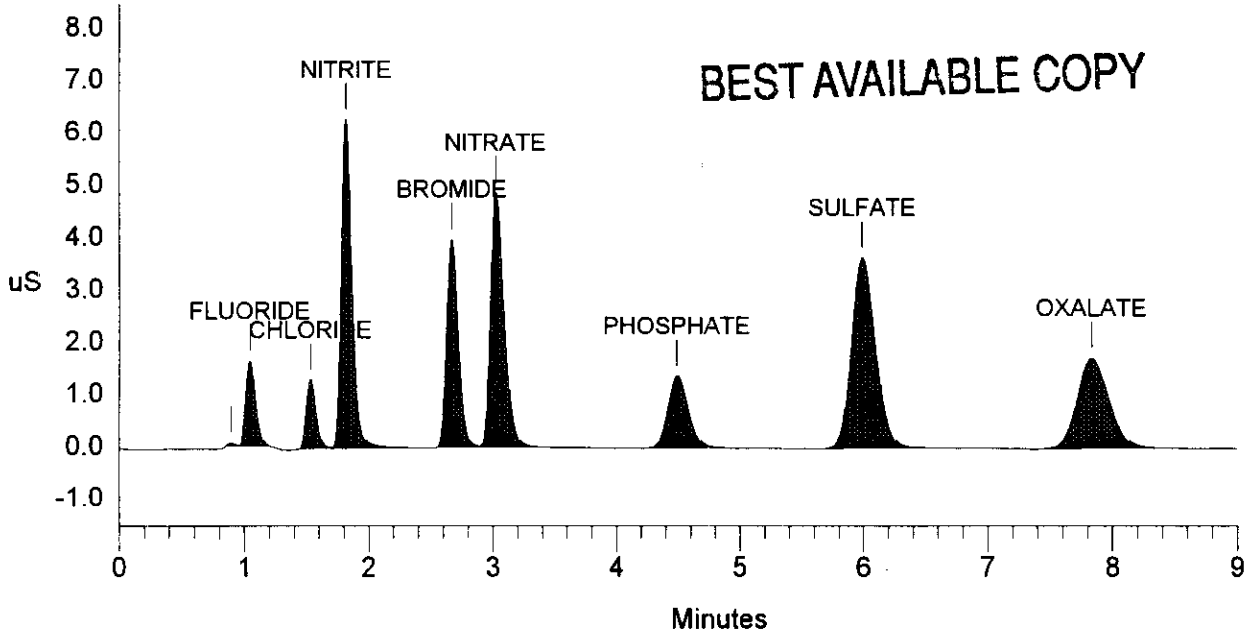
Sample Name: 122N9-E STD Date: 02/14/1996 13:12:29
Data File : C:\DX\DATA\96021471.d06
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 6 Detector:CDM-1
Analyst : N. Smith 3/7/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	57	217	2	
2	1.04	FLUORIDE	54.441	1621	8777	2	-1.57
3	1.53	CHLORIDE	69.804	1306	6983	2	-0.65
4	1.82	NITRITE	488.386	6268	36614	2	-0.18
5	2.67	BROMIDE	516.856	3959	25722	2	-0.74
6	3.02	NITRATE	563.908	4840	36695	2	-1.52
7	4.49	PHOSPHATE	509.580	1375	15531	1	-1.54
8	5.99	SULFATE	573.179	3635	48308	1	-1.96
9	7.84	OXALATE	480.223	1728	30188	1	-2.04
		Totals	3256.379	24789	209035		

File: 96021471.d06 Sample: 122N9-E STD



BEST AVAILABLE COPY

DATA NOT USED IN PACKAGE

Data Reprocessed On 02/26/1996 15:07:35

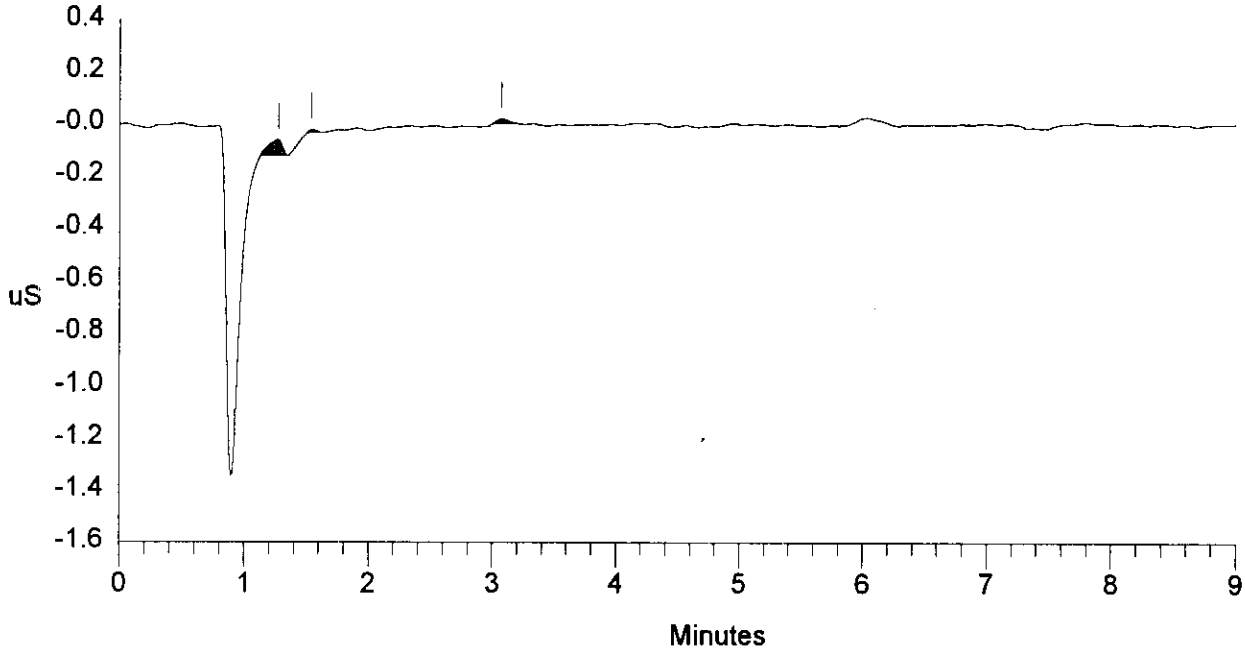
Sample Name: PREP BLANK	Date: 02/14/1996 13:31:14
Data File : C:\DX\DATA\96021471.d07	WHC-SD-WM-DP-164, REV. I
Method : C:\DX\METHOD\ANIONS.MET	
ACI Address: 1 System: 2 Inject#: 7	Detector:CDM-1
Analyst : M Tmelt 2/7/96 Column:	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.27		0.000	61	467	1	
		Totals	0.000	61	467		

File: 96021471.d07 Sample: PREP BLANK



DATA
NOT USED
IN PACKAGE

Data Reprocessed On 02/26/1996 15:07:37

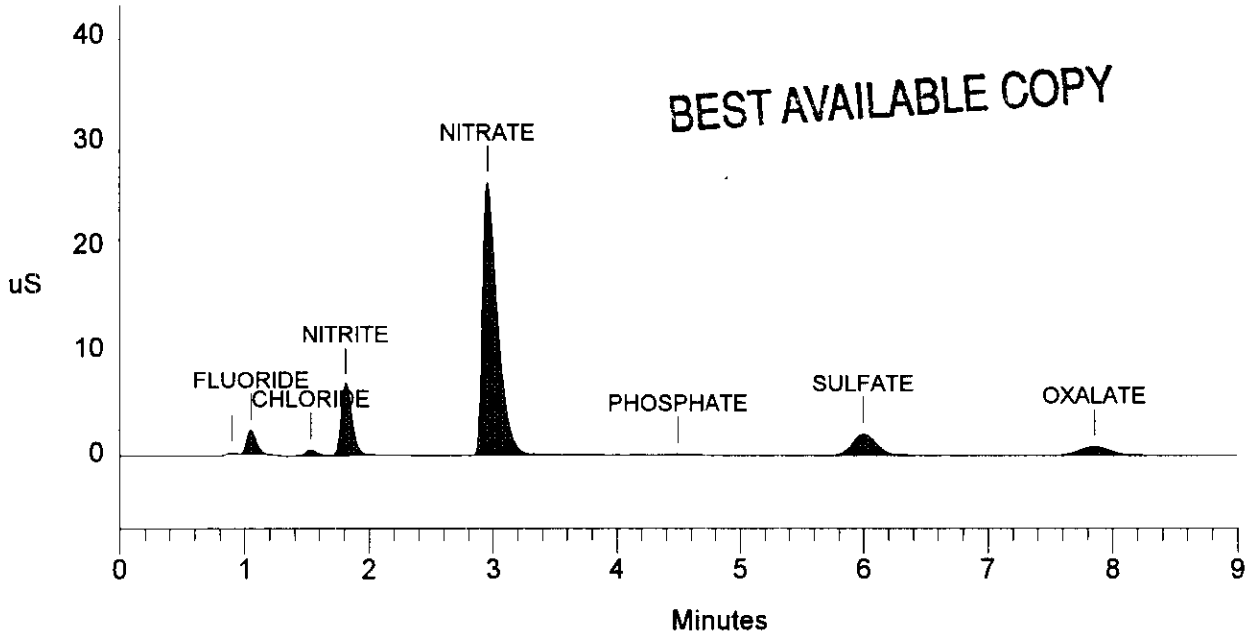
Sample Name: S95T003685 SAMPLE Date: 02/14/1996 13:45:09
Data File : C:\DX\DATA\96021471.d08
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 8 Detector:CDM-1
Analyst : [illegible] 3/1/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	147	588	2	
2	1.05	FLUORIDE	30.094	2264	11848	2	-0.94
3	1.53	CHLORIDE	11.560	558	3091	1	-0.65
4	1.81	NITRITE	218.444	6764	40381	1	-0.55
5	2.96	NITRATE	1243.891	26005	216131	1	-3.69
6	4.50	PHOSPHATE	17.665	113	1215	1	-1.39
7	6.00	SULFATE	130.293	2008	26898	1	-1.85
8	7.86	OXALATE	93.680	828	14416	1	-1.79
		Totals	1745.627	38688	314568		

File: 96021471.d08 Sample: S95T003685 SAMPLE



BEST AVAILABLE COPY

DATA NOT USED IN PACKAGE

Data Reprocessed On 02/26/1996 15:07:39

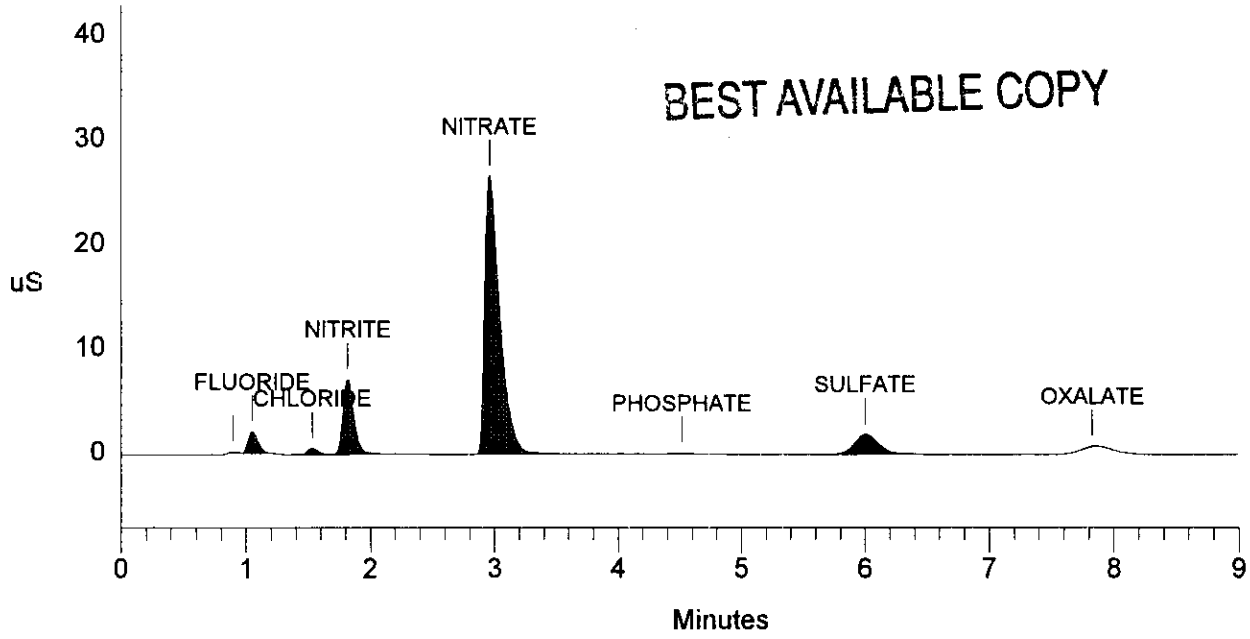
Sample Name: S95T003685 DUP Date: 02/14/1996 14:03:27
Data File : C:\DX\DATA\96021471.d09 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET
ACI Address: 1 System: 2 Inject#: 9 Detector:CDM-1
Analyst : [illegible] 2/7/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	151	594	1	
2	1.05	FLUORIDE	27.807	2061	10967	1	-0.94
3	1.53	CHLORIDE	12.348	594	3273	1	-0.65
4	1.82	NITRITE	229.883	7180	42518	1	-0.18
5	2.96	NITRATE	1272.479	26514	221639	1	-3.47
6	4.52	PHOSPHATE	13.722	86	921	1	-0.95
7	6.00	SULFATE	122.988	1910	25381	1	-1.75
8	7.83	OXALATE	3.136	74	430	1	-2.12
		Totals	1682.364	38569	305723		

File: 96021471.d09 Sample: S95T003685 DUP



DATA NOT USED IN PACKAGE

LABCORE Completed Worklist Report for Worklist# 4678

Analyst: vlm **Instrument:** IC03 **Book#** 122N9-E

Method: A533-105 Rev/Mod D-1

WHC-SD-WM-DP-164, REV.

Worklist Comment: BY-104 FOR IC 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		<1.40e-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	59		5.36e+01	90.850	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.37e+01	93.290	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534		4.98e+02	93.260	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.28e+02	91.830	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.87e+02	95.600	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.22e+02	95.600	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		5.90e+02	93.500	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526		4.97e+02	94.490	% 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		<1.20e-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	S95T003687	W	0	@IC-01	F-02	SOLID	N/A		5.238e+03	93.930	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	CL-02	SOLID	N/A		2.001e+03	122.800	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	NO2-02	SOLID	N/A		3.735e+04	773.200	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	BR-02	SOLID	N/A	<	9.105e+02	910.500	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	NO3-02	SOLID	N/A		2.272e+05	1.011e+003	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	PO4-02	SOLID	N/A		2.243e+03	866.400	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	SO4-02	SOLID	N/A		2.197e+04	982.000	ug/g
4	SAMPLE	S95T003687	W	0	@IC-01	OXALATE2	SOLID	N/A		1.618e+04	758.700	ug/g
5	DUP	S95T003687	W	0	@IC-01	F-02	SOLID	5.24e+03		5.59e+03	6.460	RPD
5	DUP	S95T003687	W	0	@IC-01	CL-02	SOLID	2.00e+03		2.16e+03	7.690	RPD
5	DUP	S95T003687	W	0	@IC-01	NO2-02	SOLID	3.74e+04		3.87e+04	3.420	RPD
5	DUP	S95T003687	W	0	@IC-01	BR-02	SOLID	<9.10e2		<9.14e2		RPD
5	DUP	S95T003687	W	0	@IC-01	NO3-02	SOLID	2.27e+05		2.31e+05	1.750	RPD
5	DUP	S95T003687	W	0	@IC-01	PO4-02	SOLID	2.24e+03		1.62e+03	32.120	RPD
5	DUP	S95T003687	W	0	@IC-01	SO4-02	SOLID	2.20e+04		2.24e+04	1.800	RPD
5	DUP	S95T003687	W	0	@IC-01	OXALATE2	SOLID	1.62e+04		1.81e+04	11.080	RPD
6	SPK	S95T003687	W	0	@IC-01	F-02	SOLID	59		54.447	92.280	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 4678

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S95T003687	0	W	@IC-01	CL-02	SOLID	79		79.615	100.780	% Recovery
6	SPK	S95T003687	0	W	@IC-01	NO2-02	SOLID	534		570.245	106.790	% Recovery
6	SPK	S95T003687	0	W	@IC-01	BR-02	SOLID	575		532.500	92.610	% Recovery
6	SPK	S95T003687	0	W	@IC-01	NO3-02	SOLID	614		701.475	114.250	% Recovery
6	SPK	S95T003687	0	W	@IC-01	PO4-02	SOLID	546		525.678	96.280	% Recovery
6	SPK	S95T003687	0	W	@IC-01	SO4-02	SOLID	631		640.833	101.560	% Recovery
6	SPK	S95T003687	0	W	@IC-01	OXALATE2	SOLID	526		510.445	97.040	% Recovery
7	SAMPLE	S95T003688	0	W	@IC-01	F-02	SOLID	N/A		4.076e+03	103.300	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	CL-02	SOLID	N/A		2.459e+03	135.100	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	NO2-02	SOLID	N/A		4.292e+04	850.300	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	BR-02	SOLID	N/A	<	1.001e+03	1.001e+003	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	NO3-02	SOLID	N/A		2.316e+05	1.112e+003	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	PO4-02	SOLID	N/A		4.344e+03	952.900	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	SO4-02	SOLID	N/A		1.813e+04	1.080e+003	ug/g
7	SAMPLE	S95T003688	0	W	@IC-01	OXALATE2	SOLID	N/A		1.360e+04	834.500	ug/g
8	DUP	S95T003688	0	W	@IC-01	F-02	SOLID	4.08e+03		3.68e+03	10.310	RPD
8	DUP	S95T003688	0	W	@IC-01	CL-02	SOLID	2.46e+03		1.90e+03	25.690	RPD
8	DUP	S95T003688	0	W	@IC-01	NO2-02	SOLID	4.29e+04		3.36e+04	24.310	RPD
8	DUP	S95T003688	0	W	@IC-01	BR-02	SOLID	<1.00e3		<9.93e2		RPD
8	DUP	S95T003688	0	W	@IC-01	NO3-02	SOLID	2.32e+05		3.10e+05	28.780	RPD
8	DUP	S95T003688	0	W	@IC-01	PO4-02	SOLID	4.34e+03		2.70e+03	46.590	RPD
8	DUP	S95T003688	0	W	@IC-01	SO4-02	SOLID	1.81e+04		1.71e+04	5.680	RPD
8	DUP	S95T003688	0	W	@IC-01	OXALATE2	SOLID	1.36e+04		1.27e+04	6.840	RPD

Final page for worklist# 4678

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 3/5/96

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

96021601 D12 → D22

LABCORE Data Entry Template for Worklist# 4678

Analyst: VLM **Instrument:** IC01 IC03 **Book#** 122 N9-E

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003687	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003687	0	W	@IC-01	SOLID		
6	SPK	S95T003687	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003688	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S95T003688	0	W	@IC-01	SOLID		

Final page for worklist # 4678

Valerie L Massie 02-16-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported in sheet

Data Entry Comments:

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 05-Mar-96

Worklist#: 4678

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003687
=>	5	DUP	S95T003687
=>	6	SPK	S95T003687
=>	7	SAMPLE	S95T003688
=>	8	DUP	S95T003688

Data File: 4678FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96021601.d12	INSTR BLANK	1.00
	96021601.d13	122N9-E STD	101.00
	96021601.d14	122N9-E STD	101.00
2	96021601.d15	122N9-E STD	101.00
3	96021601.d16	PREP BLANK	1.00
4	96021601.d17	S95T003687 SAMPL	41.00
5	96021601.d18	S95T003687 DUP	41.00
6	96021601.d19	S95T003687 SPIKE	41.00
	96021601.d20	S95T003688 SAMPL	41.00
8	96021601.d21	S95T003688 DUP	41.00
7	96021601.d22	S95T003688 SAMPL	41.00

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

Data Reprocessed On 02/26/1996 15:17:42

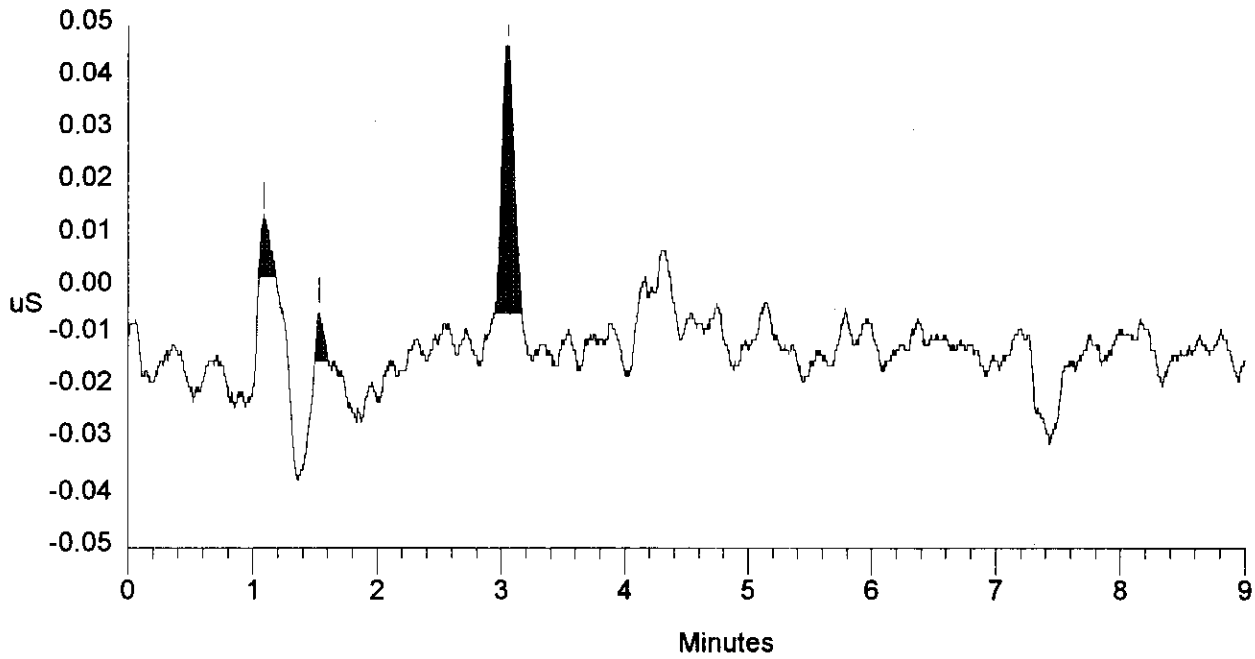
Sample Name: INSTR BLANK Date: 02/16/1996 13:41:55
Data File : C:\DX\DATA\96021601.d12
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 12 Detector:CDM-1
Analyst : 2/16/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.06	NITRATE	0.085	51	342	1	-0.43
		Totals	0.085	51	342		

File: 96021601.d12 Sample: INSTR BLANK



Data Reprocessed On 02/26/1996 15:17:44

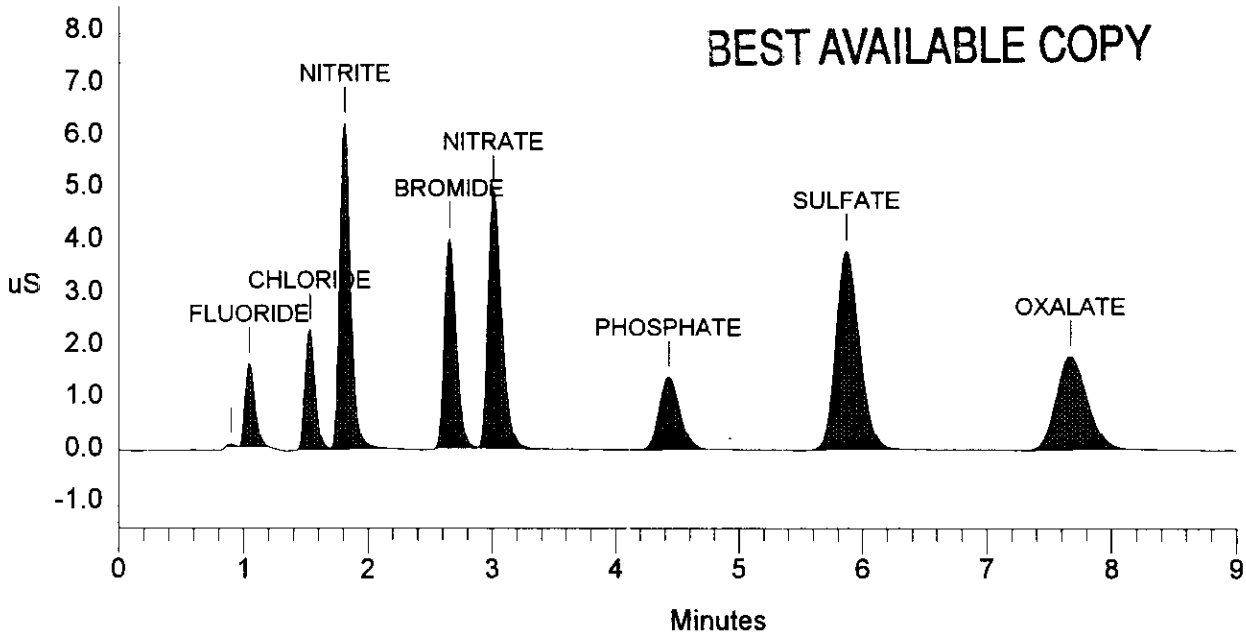
Sample Name: 122N9-E STD Date: 02/16/1996 13:53:23
Data File : C:\DX\DATA\96021601.d13
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 13 Detector:CDM-1
Analyst : Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.04	FLUORIDE	53.350	1599	8607	2	-1.57
3	1.53	CHLORIDE	128.339	2291	12628	2	-0.65
4	1.81	NITRITE	496.501	6218	37229	2	-0.55
5	2.66	BROMIDE	531.611	3985	26473	2	-1.24
6	3.01	NITRATE	578.864	4895	37689	2	-1.95
7	4.43	PHOSPHATE	526.407	1391	16056	1	-2.85
8	5.87	SULFATE	591.575	3794	49880	1	-3.93
9	7.68	OXALATE	490.255	1790	30825	1	-4.04
		Totals	3396.902	25962	219387		

File: 96021601.d13 Sample: 122N9-E STD



Data Reprocessed On 02/26/1996 15:17:47

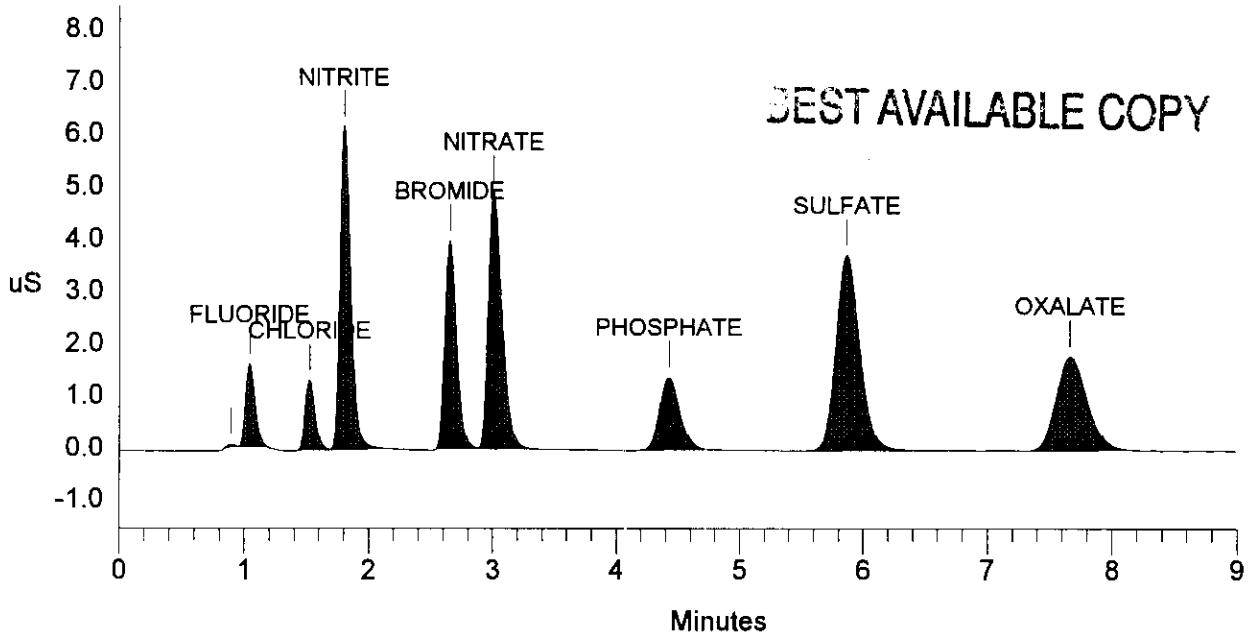
Sample Name: 122N9-E STD Date: 02/16/1996 14:07:40
Data File : C:\DX\DATA\96021601.d14
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 14 Detector:CDM-1
Analyst : 2/16/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.04	FLUORIDE	51.998	1581	8397	2	-1.57
3	1.52	CHLORIDE	72.553	1330	7245	1	-1.08
4	1.80	NITRITE	487.677	6149	36561	1	-0.92
5	2.66	BROMIDE	518.409	3951	25801	2	-1.24
6	3.01	NITRATE	577.751	4893	37615	2	-1.95
7	4.43	PHOSPHATE	514.356	1383	15680	1	-2.85
8	5.87	SULFATE	583.675	3719	49205	1	-3.93
9	7.67	OXALATE	491.045	1792	30876	1	-4.12
		Totals	3297.464	24798	211379		

File: 96021601.d14 Sample: 122N9-E STD



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Data Reprocessed On 02/26/1996 15:17:48

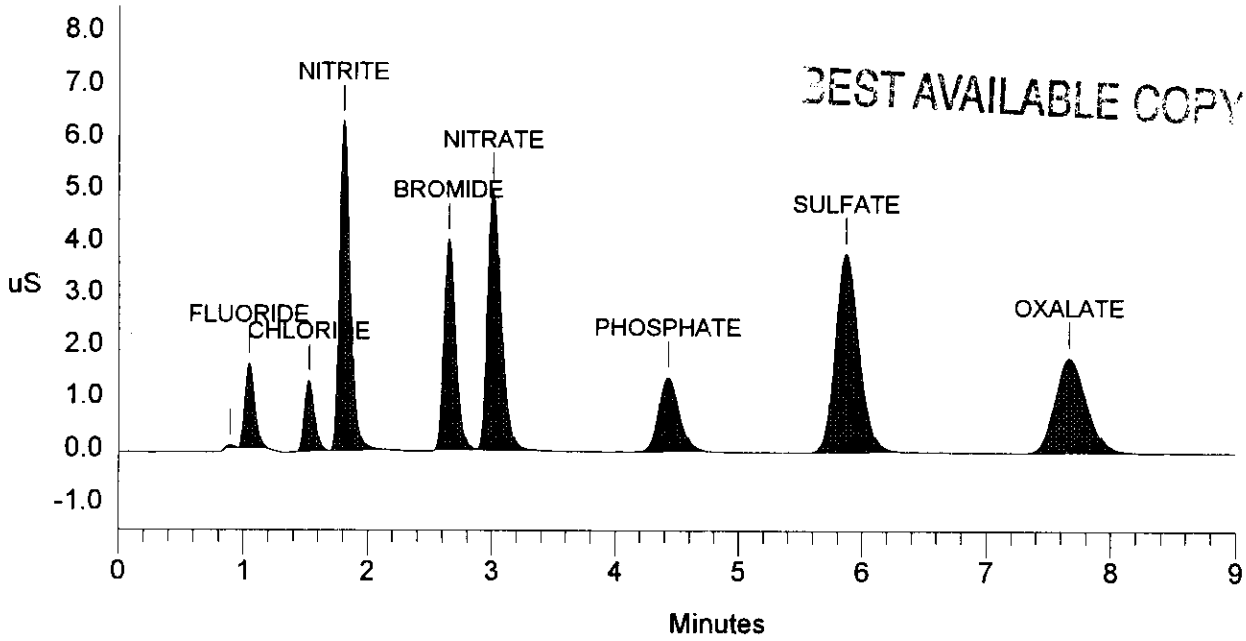
Sample Name: 122N9-E STD Date: 02/16/1996 14:22:04
Data File : C:\DX\DATA\96021601.d15
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 15 Detector:CDM-1
Analyst : Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.04	FLUORIDE	53.570	1611	8641	1	-1.57
3	1.52	CHLORIDE	73.749	1346	7359	1	-1.08
4	1.80	NITRITE	498.418	6291	37374	1	-0.92
5	2.65	BROMIDE	527.907	4020	26284	2	-1.49
6	3.01	NITRATE	587.030	4983	38232	2	-1.95
7	4.43	PHOSPHATE	522.144	1410	15923	1	-2.85
8	5.87	SULFATE	589.607	3793	49712	1	-3.93
9	7.67	OXALATE	496.992	1810	31253	1	-4.12
		Totals	3349.416	25263	214778		

File: 96021601.d15 Sample: 122N9-E STD



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Data Reprocessed On 02/26/1996 15:17:50

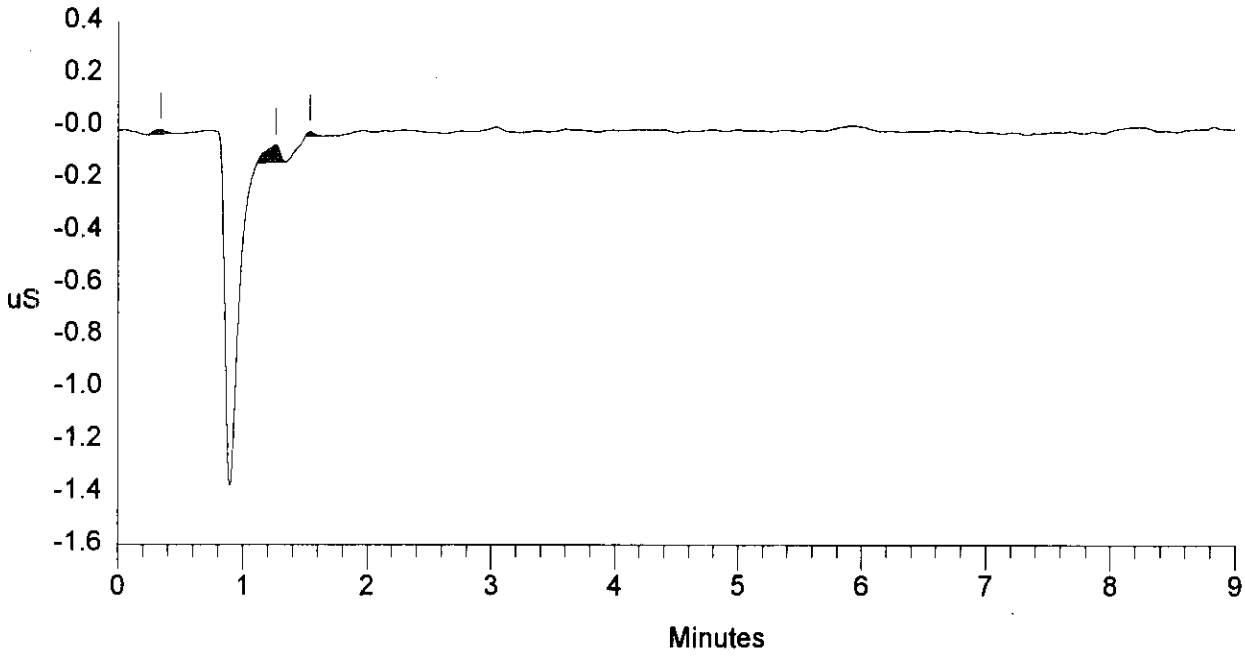
Sample Name: PREP BLANK
Date: 02/16/1996 14:34:05
Data File : C:\DX\DATA\96021601.d16
WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET
ACI Address: 1 System: 2 Inject#: 16
Detector:CDM-1
Analyst : Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.26		0.000	67	535	1	
		Totals	0.000	67	535		

File: 96021601.d16 Sample: PREP BLANK



Data Reprocessed On 02/26/1996 15:17:52

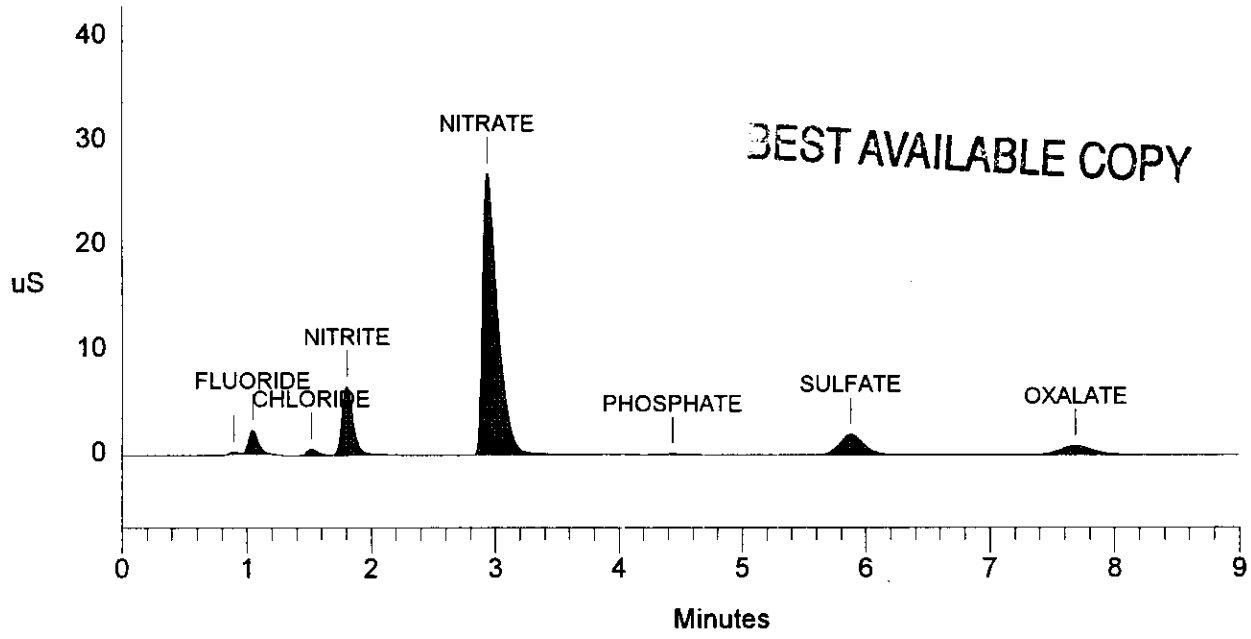
Sample Name: S95T003687 SAMPLE
Date: 02/16/1996 14:44:59
Data File : C:\DX\DATA\96021601.d17
WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET
ACI Address: 1 System: 2 Inject#: 17
Detector:CDM-1
Analyst : 2/16/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	163	660	2	
2	1.04	FLUORIDE	29.721	2212	11704	2	-1.57
3	1.52	CHLORIDE	11.354	545	3044	1	-1.52
4	1.80	NITRITE	211.902	6495	39160	1	-0.92
5	2.94	NITRATE	1289.407	26801	224915	1	-4.34
6	4.44	PHOSPHATE	12.729	72	847	1	-2.70
7	5.88	SULFATE	124.667	1930	25729	1	-3.82
8	7.69	OXALATE	91.822	828	14128	1	-3.87
		Totals	1771.602	39046	320187		

File: 96021601.d17 Sample: S95T003687 SAMPLE



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Data Reprocessed On 02/26/1996 15:17:54

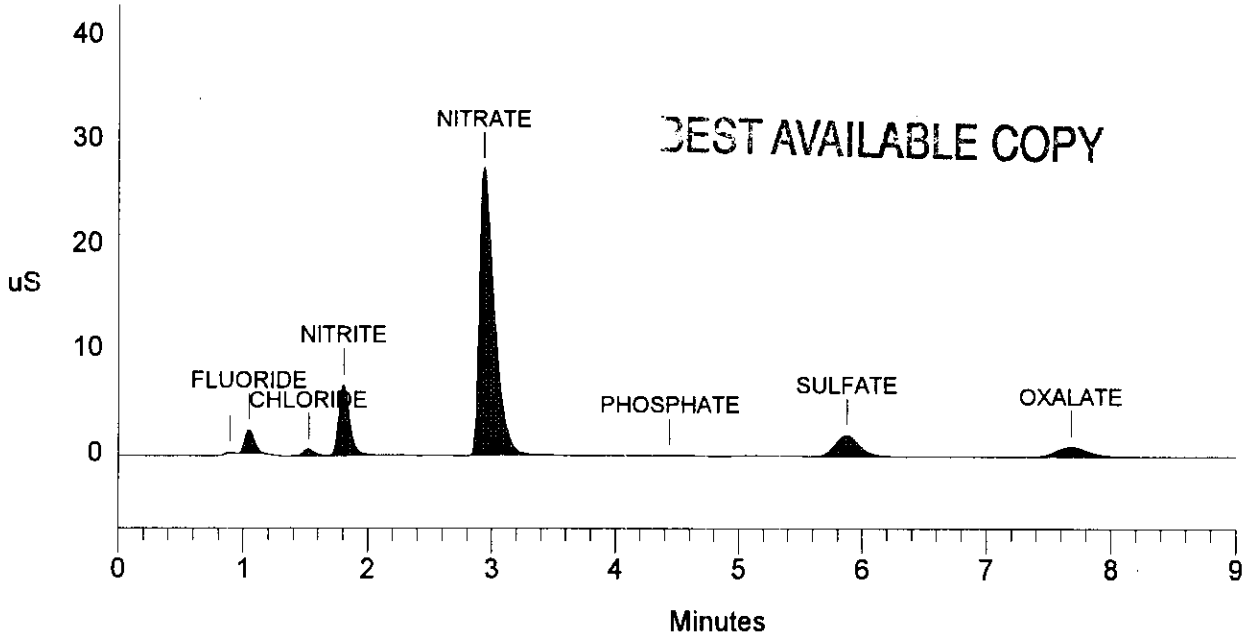
Sample Name: S95T003687 DUP	Date: 02/16/1996 14:56:44
Data File : C:\DX\DATA\96021601.d18	WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET	
ACI Address: 1 System: 2 Inject#: 18	Detector:CDM-1
Analyst: [illegible] 2/16/96 Column:	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	161	635	2	
2	1.04	FLUORIDE	31.617	2305	12435	2	-1.57
3	1.52	CHLORIDE	12.197	587	3238	1	-1.08
4	1.80	NITRITE	218.893	6727	40465	1	-0.92
5	2.94	NITRATE	1307.378	27283	228404	1	-4.34
6	4.44	PHOSPHATE	9.159	64	581	1	-2.56
7	5.88	SULFATE	126.710	1990	26154	1	-3.82
8	7.68	OXALATE	102.344	908	15760	1	-3.96
		Totals	1808.297	40023	327672		

File: 96021601.d18 Sample: S95T003687 DUP



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Data Reprocessed On 02/26/1996 15:17:56

Sample Name: S95T003687 SPIKE Date: 02/16/1996 15:07:36
Data File : C:\DX\DATA\96021601.d19
Method : C:\DX\METHOD\ANIONS.MET
ACI Address: 1 System: 2 Inject#: 19 Detector:CDM-1
Analyst : Column:

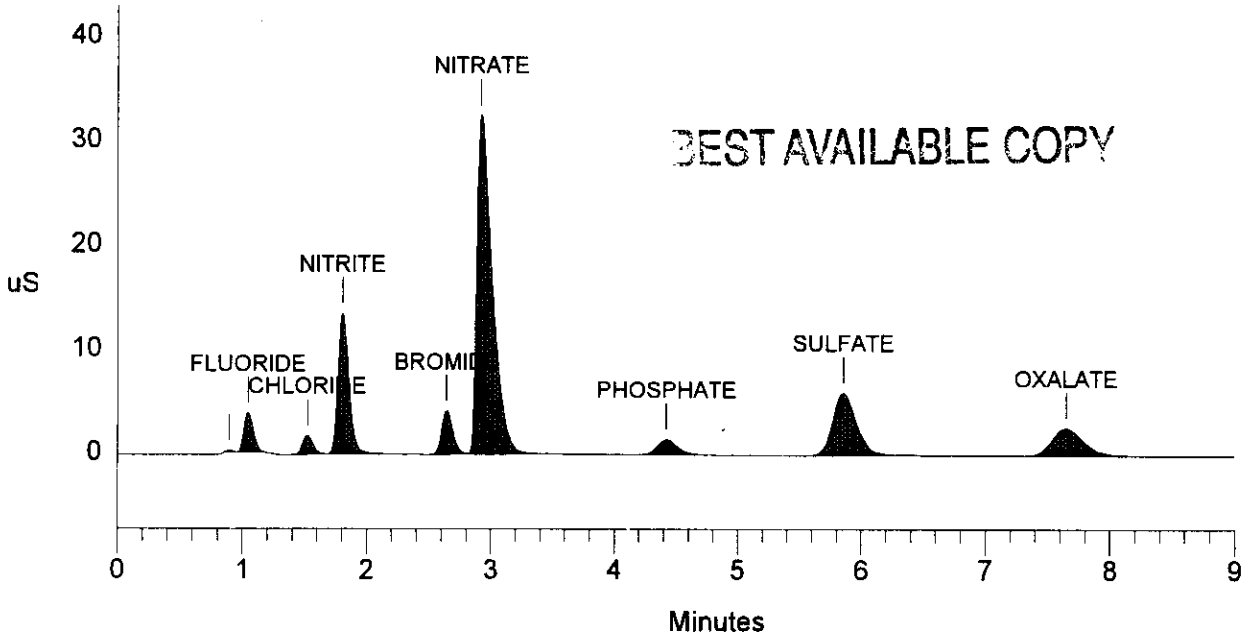
WHC-SD-WM-DP-164, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	201	749	2	
2	1.04	FLUORIDE	51.511	3818	20179	2	-1.57
3	1.52	CHLORIDE	43.164	1842	10487	1	-1.08
4	1.80	NITRITE	440.143	13500	82202	1	-0.92
5	2.64	BROMIDE	213.304	4207	26159	2	-1.73
6	2.92	NITRATE	1568.957	32435	280616	2	-4.78
7	4.42	PHOSPHATE	223.461	1471	16808	1	-3.00
8	5.86	SULFATE	380.920	6020	79818	1	-4.15
9	7.65	OXALATE	296.266	2647	46110	1	-4.38
		Totals	3217.726	66140	563128		

File: 96021601.d19 Sample: S95T003687 SPIKE



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Data Reprocessed On 02/26/1996 15:18:02

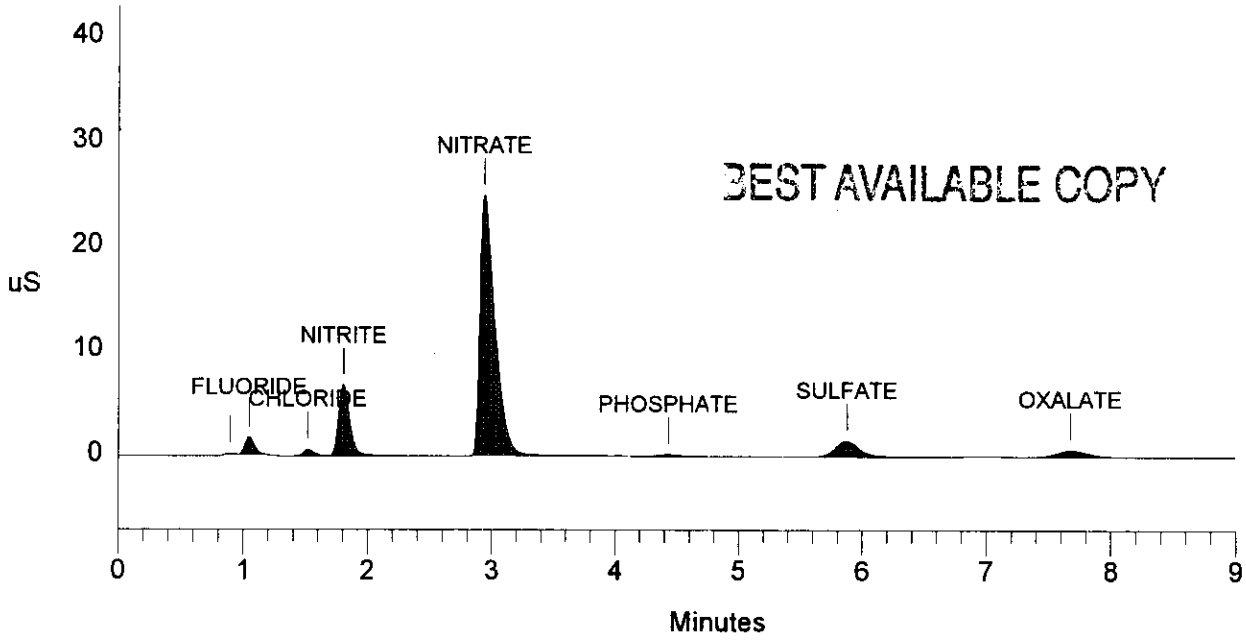
Sample Name: S95T003688 SAMPLE Date: 02/16/1996 15:41:03
Data File : C:\DX\DATA\96021601.d22
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 22 Detector:CDM-1
Analyst : Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	136	534	1	
2	1.04	FLUORIDE	21.028	1607	8366	1	-1.57
3	1.52	CHLORIDE	12.688	595	3351	1	-1.52
4	1.80	NITRITE	221.436	6748	40940	1	-0.92
5	2.94	NITRATE	1194.988	24849	206775	1	-4.13
6	4.43	PHOSPHATE	22.403	140	1568	1	-2.85
7	5.88	SULFATE	93.456	1457	19262	1	-3.82
8	7.68	OXALATE	70.186	624	10776	1	-4.04
		Totals	1636.185	36156	291573		

File: 96021601.d22 Sample: S95T003688 SAMPLE



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Data Reprocessed On 02/26/1996 15:17:58

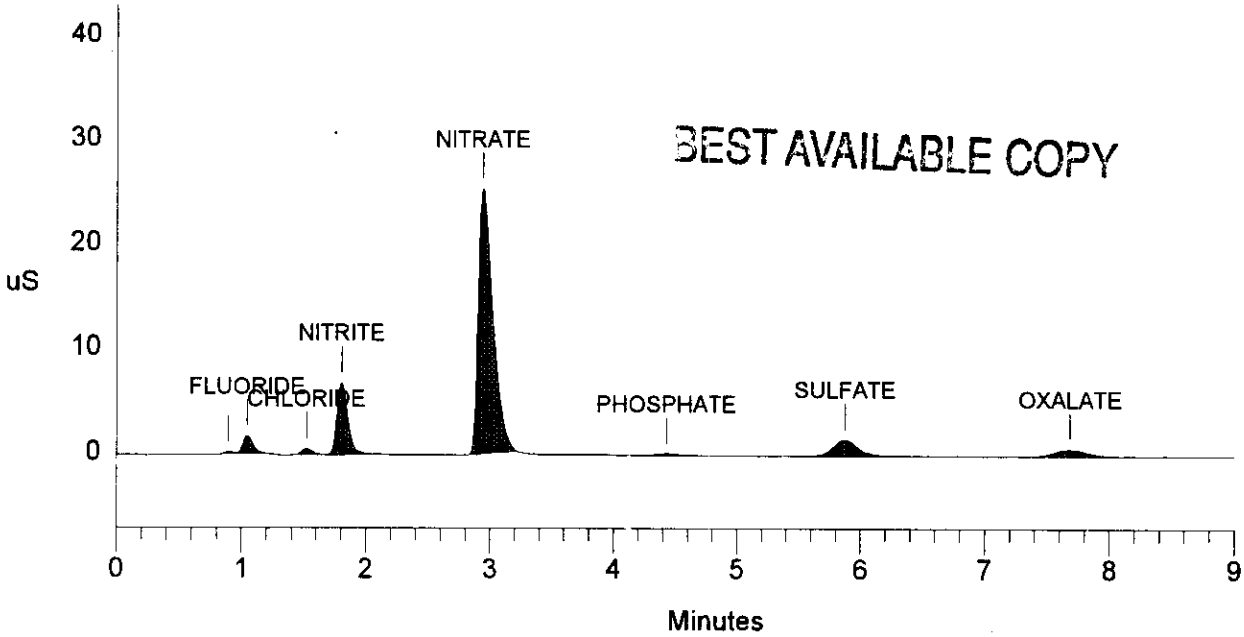
Sample Name: S95T003688 SAMPLE Date: 02/16/1996 15:18:32
Data File : C:\DX\DATA\96021601.d20 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET
ACI Address: 1 System: 2 Inject#: 20 Detector:CDM-1
Analyst : 2/16/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	127	486	2	
2	1.04	FLUORIDE	22.119	1637	8784	2	-1.57
3	1.52	CHLORIDE	12.401	596	3285	1	-1.08
4	1.80	NITRITE	221.670	6826	40984	1	-0.92
5	2.94	NITRATE	1174.734	25228	202925	1	-4.13
6	4.43	PHOSPHATE	21.835	137	1526	1	-2.85
7	5.88	SULFATE	97.497	1495	20098	1	-3.82
8	7.69	OXALATE	73.459	646	11283	1	-3.87
		Totals	1623.716	36693	289372		

File: 96021601.d20 Sample: S95T003688 SAMPLE



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Data Reprocessed On 02/26/1996 15:18:00

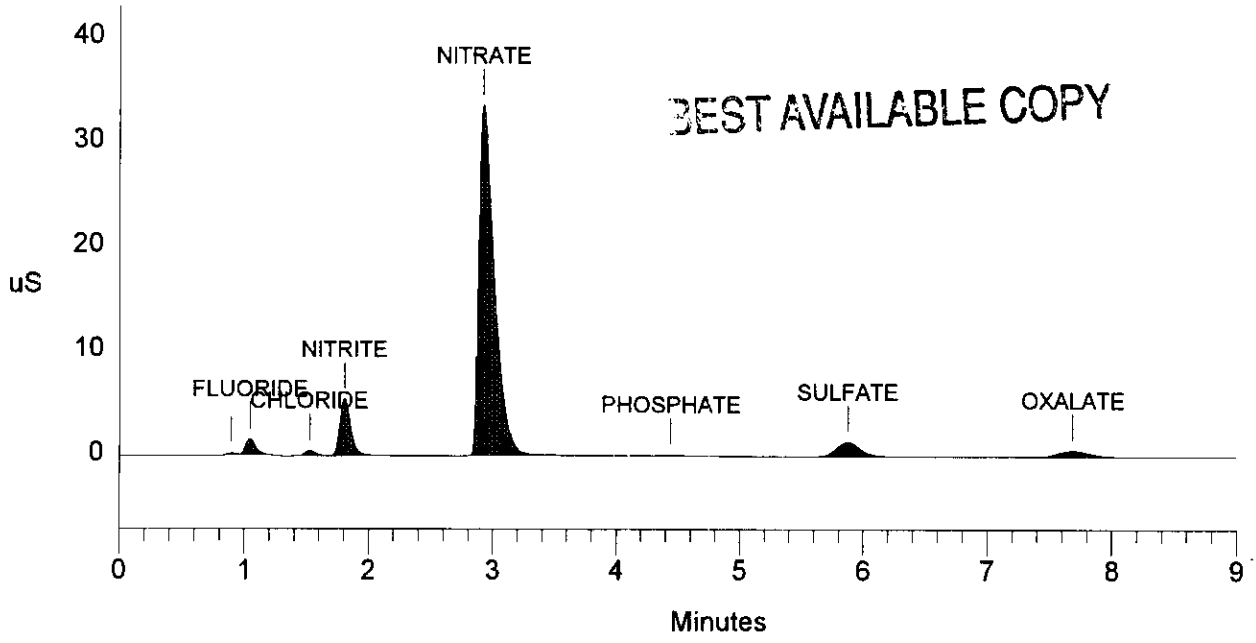
Sample Name: S95T003688 DUP
Date: 02/16/1996 15:31:06
Data File : C:\DX\DATA\96021601.d21
Method : C:\DX\METHOD\ANIONS.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 21
Detector:CDM-1
Analyst : [illegible] 2/16/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	145	585	2	
2	1.04	FLUORIDE	19.158	1454	7651	2	-1.57
3	1.52	CHLORIDE	9.900	490	2710	1	-1.08
4	1.80	NITRITE	174.969	5427	32278	1	-0.92
5	2.92	NITRATE	1615.010	33430	290104	1	-4.78
6	4.44	PHOSPHATE	14.060	78	946	1	-2.56
7	5.88	SULFATE	88.854	1367	18311	1	-3.82
8	7.69	OXALATE	66.213	595	10162	1	-3.87
		Totals	1988.165	42986	362748		

File: 96021601.d21 Sample: S95T003688 DUP



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LABCORE Completed Worklist Report for Worklist# 4679

Analyst: vlm **Instrument:** IC03 **Book#** 12219-E
WHC-SD-WM-DP-164, REV. I

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

Worklist Comment: BY-104 FOR IC 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		<1.40e-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	59		6.14e+01	104.070	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.99e+01	101.140	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534		5.40e+02	101.120	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.45e+02	94.780	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.77e+02	93.970	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.39e+02	98.720	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		5.97e+02	94.610	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526		4.98e+02	94.680	% 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		7.60e-02	8.000e-002	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		<1.20e-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	S95T003684	W	0	@IC-01	F-02	SOLID	N/A		5.590e+03	92.990	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	CL-02	SOLID	N/A		2.792e+03	121.600	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	NO2-02	SOLID	N/A		4.922e+04	765.500	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	BR-02	SOLID	N/A	<	9.014e+02	901.400	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	NO3-02	SOLID	N/A		1.933e+05	1.001e+003	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	PO4-02	SOLID	N/A		6.733e+03	857.800	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	SO4-02	SOLID	N/A		2.328e+04	972.200	ug/g
4	SAMPLE	S95T003684	W	0	@IC-01	OXALATE2	SOLID	N/A		1.746e+04	751.200	ug/g
5	DUP	S95T003684	W	0	@IC-01	F-02	SOLID	5.59e+03		5.13e+03	8.580	RPD
5	DUP	S95T003684	W	0	@IC-01	CL-02	SOLID	2.79e+03		2.44e+03	13.380	RPD
5	DUP	S95T003684	W	0	@IC-01	NO2-02	SOLID	4.92e+04		4.03e+04	19.890	RPD
5	DUP	S95T003684	W	0	@IC-01	BR-02	SOLID	<9.01e2		<9.06e2		RPD
5	DUP	S95T003684	W	0	@IC-01	NO3-02	SOLID	1.93e+05		2.57e+05	28.440	RPD
5	DUP	S95T003684	W	0	@IC-01	PO4-02	SOLID	6.73e+03		7.85e+03	15.360	RPD
5	DUP	S95T003684	W	0	@IC-01	SO4-02	SOLID	2.33e+04		2.15e+04	8.040	RPD
5	DUP	S95T003684	W	0	@IC-01	OXALATE2	SOLID	1.75e+04		1.60e+04	8.960	RPD
6	SAMPLE	S95T003689	W	0	@IC-01	F-02	SOLID	N/A		5.358e+03	102.300	ug/g

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

WHC-SD-WM-DP-164, REV. 1

LABCORE Completed Worklist Report for Worklist# 4679

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SAMPLE	S95T003689	0	W	@IC-01	CL-02	SOLID	N/A		2.523e+03	133.800	ug/g
6	SAMPLE	S95T003689	0	W	@IC-01	NO2-02	SOLID	N/A		3.866e+04	842.300	ug/g
6	SAMPLE	S95T003689	0	W	@IC-01	BR-02	SOLID	N/A	<	9.919e+02	991.100	ug/g
6	SAMPLE	S95T003689	0	W	@IC-01	NO3-02	SOLID	N/A		2.615e+05	1.101e+003	ug/g
6	SAMPLE	S95T003689	0	W	@IC-01	PO4-02	SOLID	N/A		2.518e+03	943.900	ug/g
6	SAMPLE	S95T003689	0	W	@IC-01	SO4-02	SOLID	N/A		2.082e+04	1.070e+003	ug/g
6	SAMPLE	S95T003689	0	W	@IC-01	OXALATE2	SOLID	N/A		1.561e+04	826.600	ug/g
7	DUP	S95T003689	0	W	@IC-01	F-02	SOLID	5.36e+03		4.84e+03	10.200	RPD
7	DUP	S95T003689	0	W	@IC-01	CL-02	SOLID	2.52e+03		2.29e+03	9.560	RPD
7	DUP	S95T003689	0	W	@IC-01	NO2-02	SOLID	3.87e+04		4.30e+04	10.530	RPD
7	DUP	S95T003689	0	W	@IC-01	BR-02	SOLID	<9.92e2		<9.94e2		RPD
7	DUP	S95T003689	0	W	@IC-01	NO3-02	SOLID	2.62e+05		2.31e+05	12.580	RPD
7	DUP	S95T003689	0	W	@IC-01	PO4-02	SOLID	2.52e+03		2.43e+03	3.640	RPD
7	DUP	S95T003689	0	W	@IC-01	SO4-02	SOLID	2.08e+04		2.19e+04	5.150	RPD
7	DUP	S95T003689	0	W	@IC-01	OXALATE2	SOLID	1.56e+04		1.61e+04	3.150	RPD

Final page for worklist# 4679

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 2/26/96

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

LABCORE Data Entry Template for Worklist# 4679

Analyst: VLM **Instrument:** IC01 IC03 **Book#** 122N9-E

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003684	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003684	0	W	@IC-01	SOLID		
6	SAMPLE	S95T003689	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
7	DUP	S95T003689	0	W	@IC-01	SOLID		

Final page for worklist # 4679

Valerie L Massie 02-16-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported - in shell
uploaded 2/26/96 JMLuge

Data Entry Comments:

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 26-Feb-96

Worklist#: 4679

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003684
=>	5	DUP	S95T003684
=>	6	SAMPLE	S95T003689
=>	7	DUP	S95T003689

Data File: 4679FEB.CSV

Seq#	Data File	Sample Name	Dilution
	96021601.d01	INSTR BLANK	1.00
1	96021601.d02	INSTR BLANK	1.00
	96021601.d03	122N9-E STD	101.00
2	96021601.d04	122N9-E STD	101.00
3	96021601.d05	PREP BLANK	1.00
4	96021601.d06	S95T003684 SAMPL	41.00
5	96021601.d07	S95T003684 DUP	41.00
	96021601.d08	S95T003684 SPIKE	41.00
6	96021601.d09	S95T003689 SAMPL	41.00
7	96021601.d10	S95T003689 DUP	41.00

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

Data Reprocessed On 02/26/1996 15:01:32

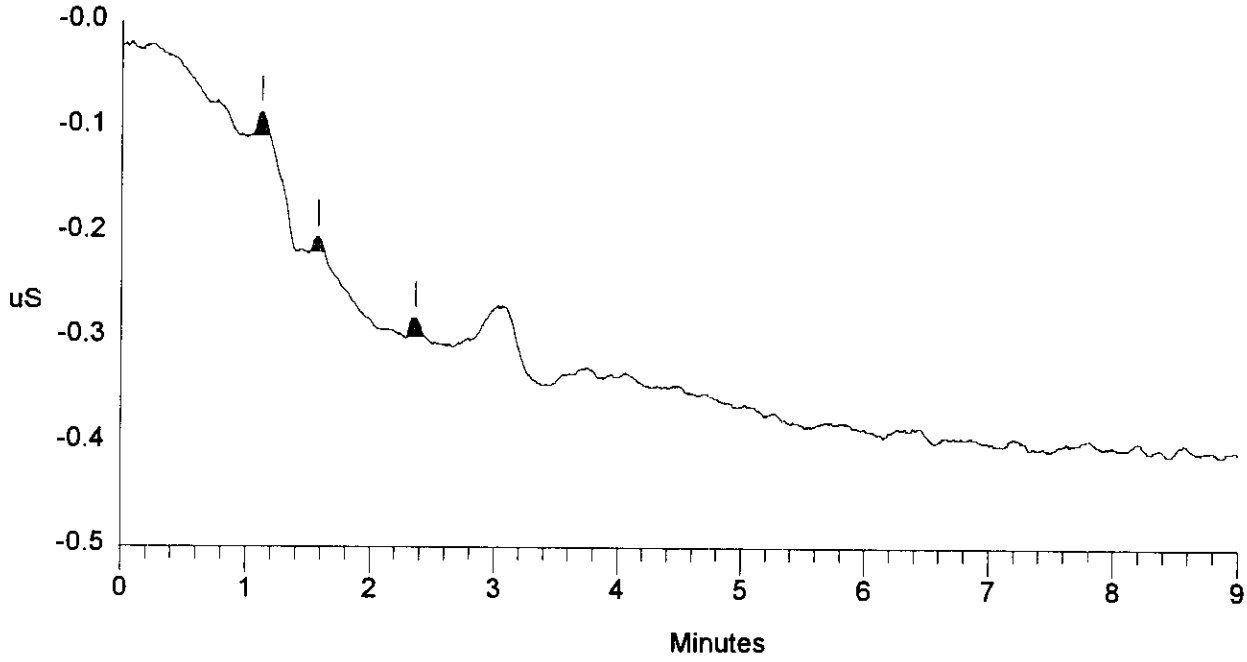
Sample Name: INSTR BLANK	Date: 02/16/1996 08:57:20
Data File : C:\DX\DATA\96021601.d01	WHC-SD-WM-DP-164, REV. i
Method : C:\DX\METHOD\ANIONS.MET	
ACI Address: 1 System: 2 Inject#: 1	Detector:CDM-1
Analyst : Jenn Fuge for VLM 03/5/96	Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2700	5Hz	0.00	9.00	200

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

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

File: 96021601.d01 Sample: INSTR BLANK



Data Reprocessed On 02/26/1996 15:01:35

Sample Name: INSTR BLANK Date: 02/16/1996 09:11:16
Data File : C:\DX\DATA\96021601.d02
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV.1
ACI Address: 1 System: 2 Inject#: 2 Detector:CDM-1
Analyst : Column:

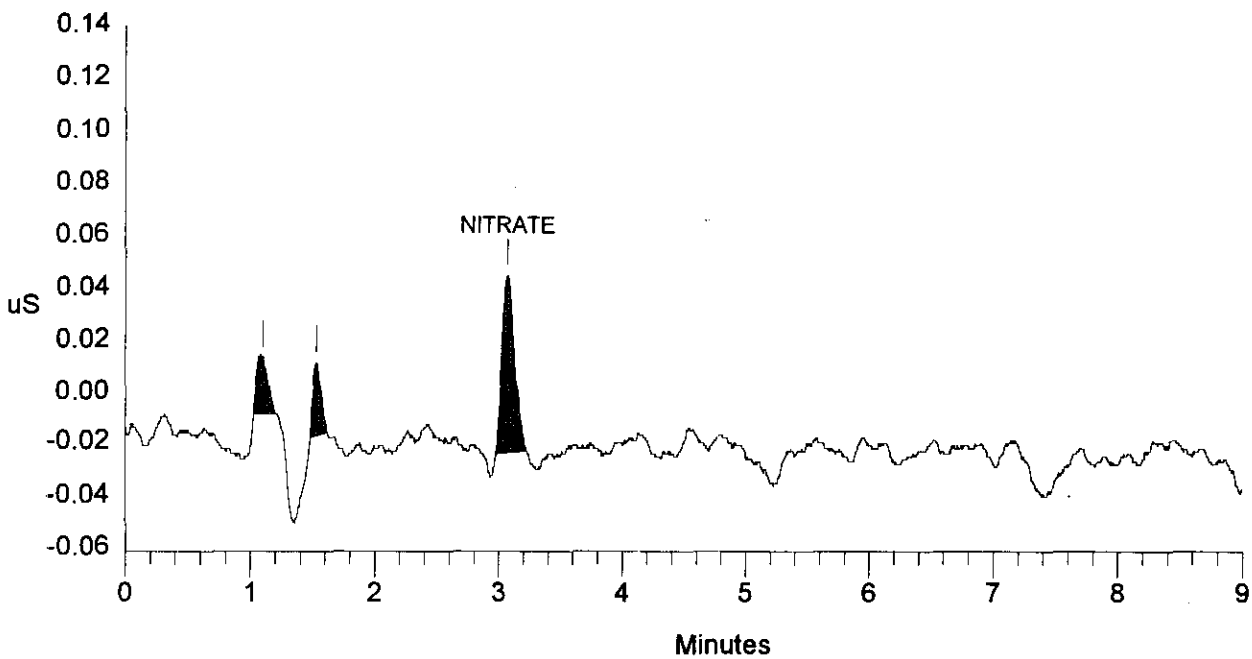
VLM 3/8/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
3	3.08	NITRATE	0.106	68	476	1	0.22
		Totals	0.106	68	476		

File: 96021601.d02 Sample: INSTR BLANK



Data Reprocessed On 02/26/1996 15:01:36

Sample Name: 122N9-E STD
Date: 02/16/1996 09:23:34
Data File : C:\DX\DATA\96021601.d03
WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\ANIONS.MET
ACI Address: 1 System: 2 Inject#: 3
Detector:CDM-1
Analyst : Column:

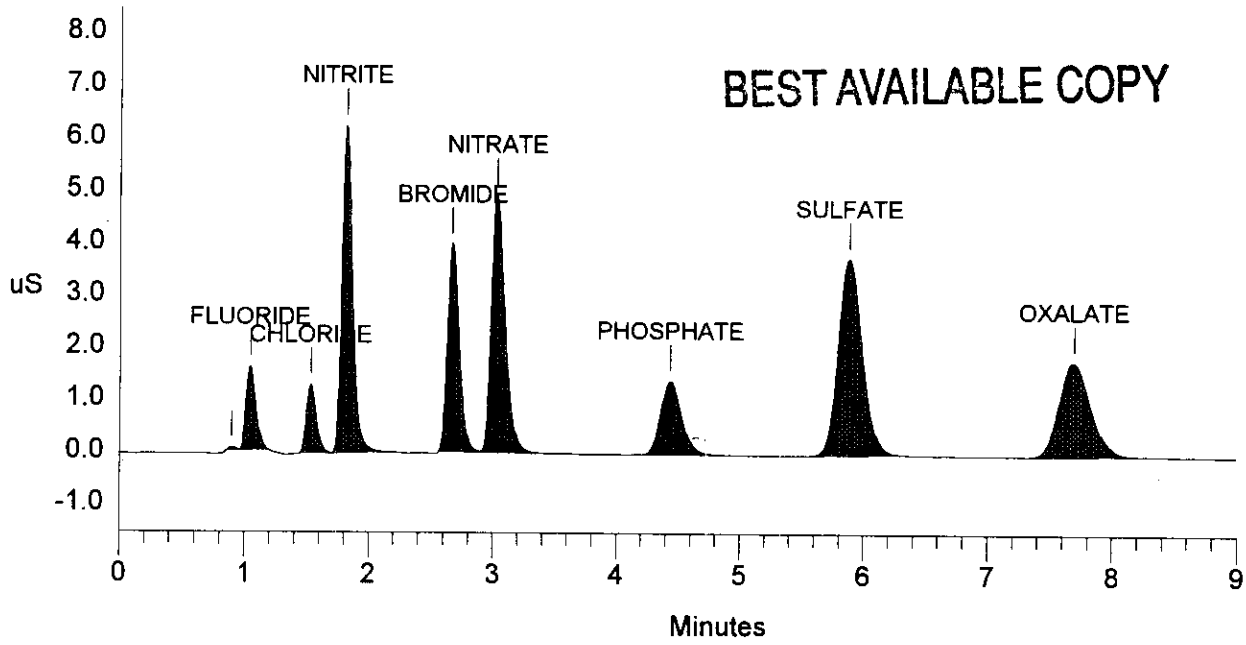
for VLM 3/5/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.04	FLUORIDE	53.538	1596	8636	2	-1.57
3	1.53	CHLORIDE	71.093	1303	7106	1	-0.65
4	1.82	NITRITE	489.766	6240	36719	1	-0.18
5	2.67	BROMIDE	523.603	3970	26065	2	-0.74
6	3.03	NITRATE	578.359	4924	37655	2	-1.30
7	4.44	PHOSPHATE	539.850	1405	16476	1	-2.70
8	5.88	SULFATE	591.190	3748	49847	1	-3.71
9	7.70	OXALATE	498.753	1803	31365	1	-3.79
		Totals	3346.153	24989	213870		

File: 96021601.d03 Sample: 122N9-E STD



Data Reprocessed On 02/26/1996 15:01:38

Sample Name: 122N9-E STD
Date: 02/16/1996 10:24:35
Data File : C:\DX\DATA\96021601.d04
Method : C:\DX\METHOD\ANIONS.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 4
Detector:CDM-1
Analyst : Column:

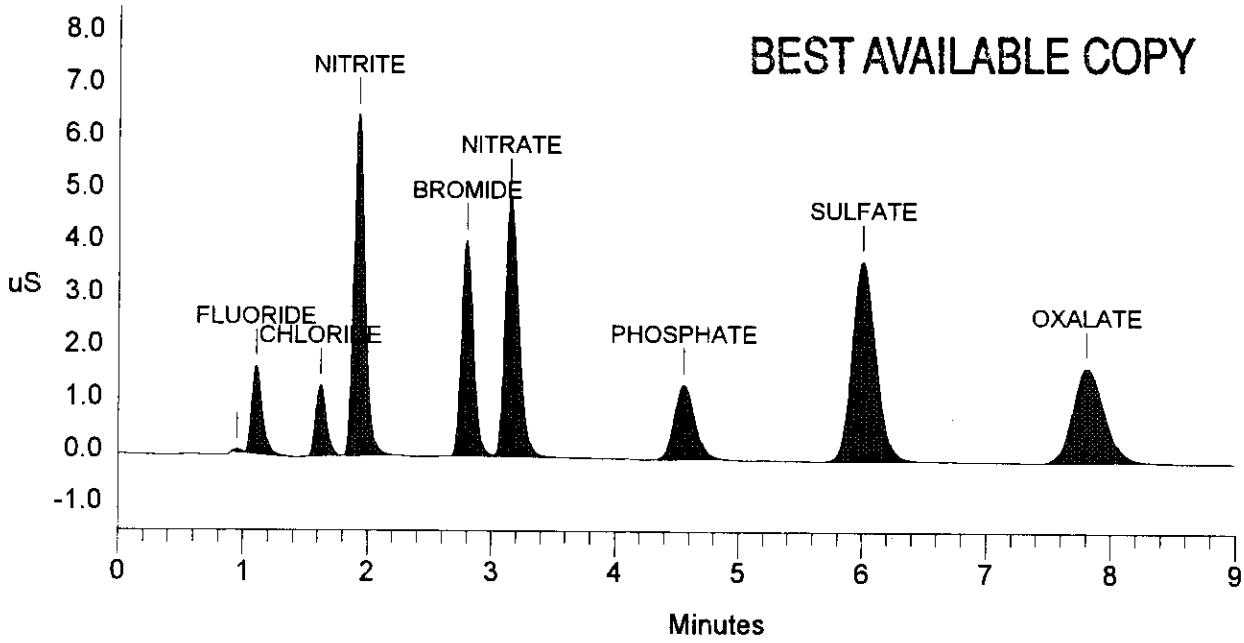
for VLM 3/5/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.95		0.000	57	248	2	
2	1.10	FLUORIDE	61.378	1670	9856	2	4.09
3	1.62	CHLORIDE	79.891	1345	7945	1	4.98
4	1.92	NITRITE	539.884	6507	40515	1	5.68
5	2.80	BROMIDE	545.330	4104	27171	2	3.97
6	3.15	NITRATE	577.172	4977	37576	2	2.61
7	4.56	PHOSPHATE	538.727	1426	16441	1	-0.07
8	6.00	SULFATE	596.508	3812	50302	1	-1.75
9	7.81	OXALATE	498.432	1805	31345	1	-2.37
		Totals	3437.322	25702	221398		

File: 96021601.d04 Sample: 122N9-E STD



Data Reprocessed On 02/26/1996 15:01:40

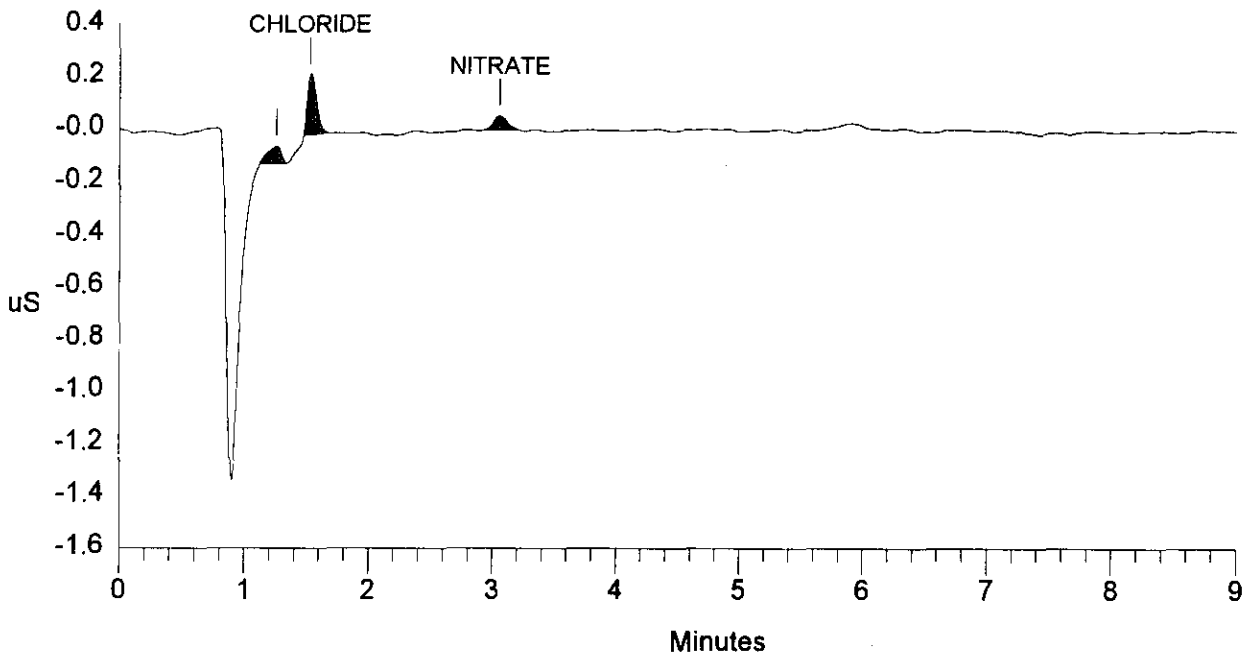
Sample Name: PREP BLANK	Date: 02/16/1996 10:37:29
Data File : C:\DX\DATA\96021601.d05	
Method : C:\DX\METHOD\ANIONS.MET	WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 5	Detector:CDM-1
Analyst : [illegible] 3/6/96 for [illegible] Column:	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.26		0.000	64	474	1	
2	1.53	CHLORIDE	0.076	230	1165	1	-0.65
3	3.06	NITRATE	0.090	51	376	1	-0.43
		Totals	0.167	345	2015		

File: 96021601.d05 Sample: PREP BLANK



Data Reprocessed On 02/26/1996 15:07:41

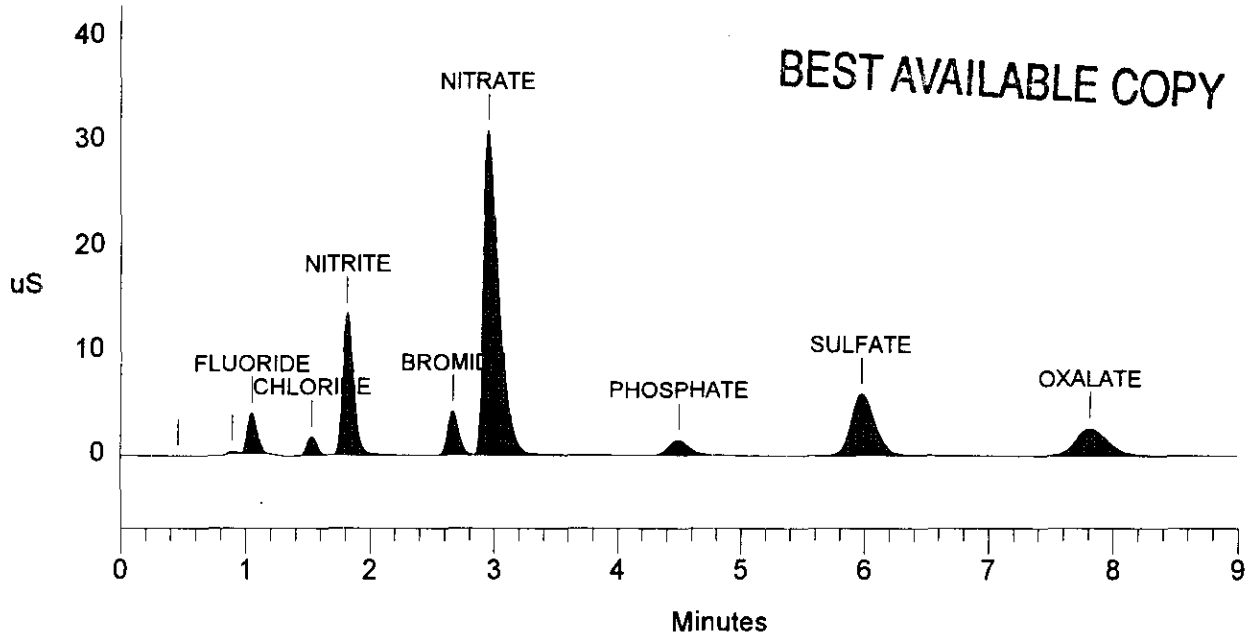
Sample Name: S95T003685 SPIKE	Date: 02/14/1996 14:17:29
Data File : C:\DX\DATA\96021471.d10	WHC-SD-WM-DP-164, REV. I
Method : C:\DX\METHOD\ANIONS.MET	
ACI Address: 1 System: 2 Inject#: 10	Detector:CDM-1
Analyst : [illegible] 2/7/96 Column:	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	22	313	1	
2	0.90		0.000	220	882	2	
3	1.05	FLUORIDE	52.395	3867	20526	2	-0.94
4	1.53	CHLORIDE	41.279	1820	10038	1	-0.65
5	1.82	NITRITE	433.185	13590	80876	1	-0.18
6	2.67	BROMIDE	205.826	4144	25223	2	-0.74
7	2.96	NITRATE	1492.647	30909	265098	2	-3.69
8	4.50	PHOSPHATE	226.743	1496	17061	1	-1.39
9	5.98	SULFATE	373.757	5890	78281	1	-2.18
10	7.82	OXALATE	297.314	2600	46276	1	-2.29
		Totals	3123.145	64557	544573		

File: 96021471.d10 Sample: S95T003685 SPIKE



Data Reprocessed On 02/26/1996 15:07:43

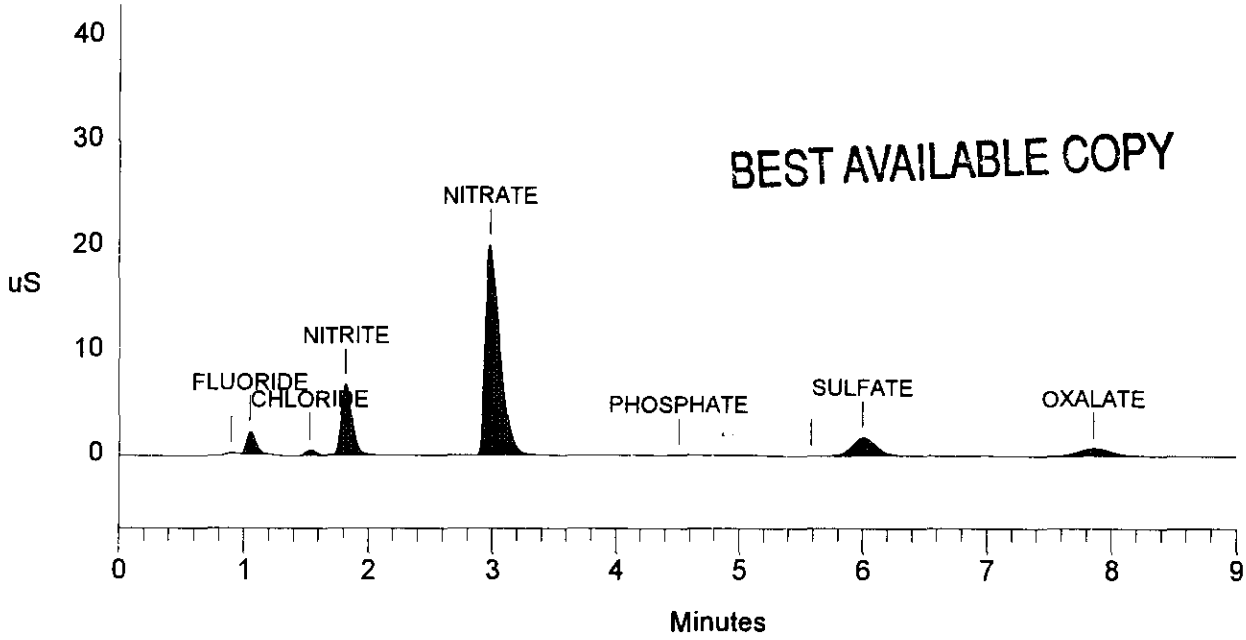
Sample Name: S95T003686 SAMPLE Date: 02/14/1996 14:30:51
Data File : C:\DX\DATA\96021471.d11
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV.1
ACI Address: 1 System: 2 Inject#: 11 Detector:CDM-1
Analyst : M. Mull 2/7/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	147	629	2	
2	1.05	FLUORIDE	28.191	2138	11115	2	-0.94
3	1.53	CHLORIDE	12.366	579	3277	1	-0.65
4	1.82	NITRITE	222.635	6741	41164	1	-0.18
5	2.98	NITRATE	972.813	20072	165290	1	-2.82
6	4.51	PHOSPHATE	12.765	78	850	1	-1.10
8	6.00	SULFATE	116.085	1777	23949	1	-1.75
9	7.86	OXALATE	88.255	759	13575	1	-1.71
		Totals	1453.110	32291	259848		

File: 96021471.d11 Sample: S95T003686 SAMPLE



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Data Reprocessed On 02/26/1996 15:07:45

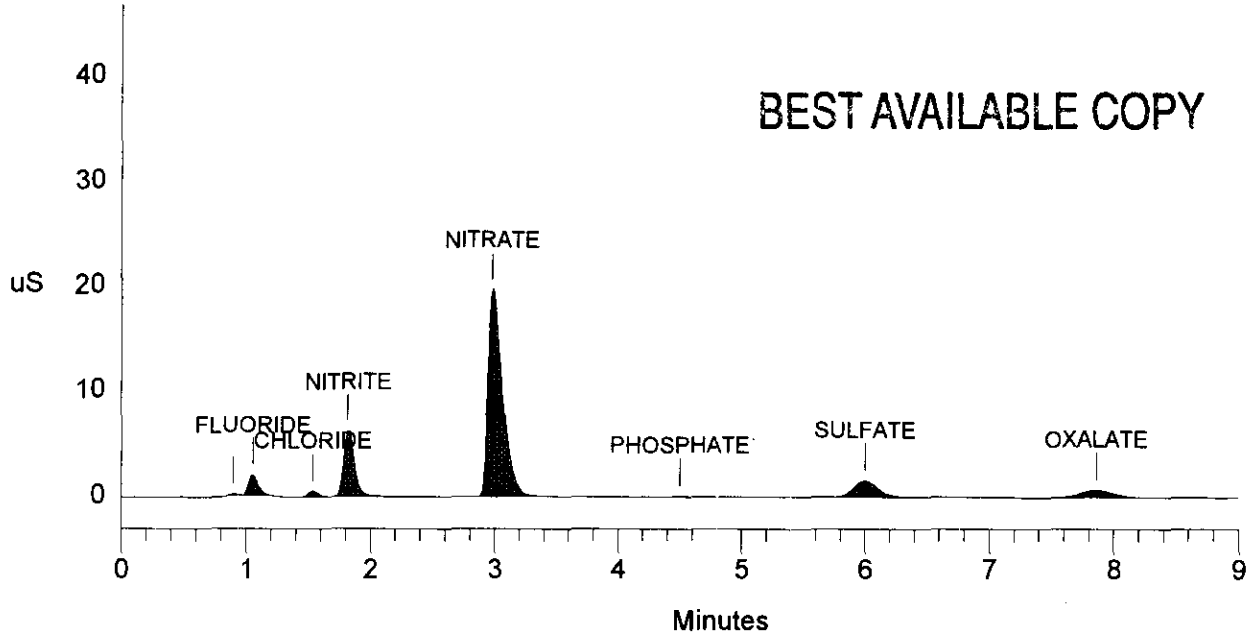
Sample Name: S95T003686 DUP Date: 02/14/1996 14:43:13
Data File : C:\DX\DATA\96021471.d12
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. I
ACI Address: 1 System: 2 Inject#: 12 Detector:CDM-1
Analyst : 3/7/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	137	547	1	
2	1.05	FLUORIDE	25.353	1904	10024	1	-0.94
3	1.53	CHLORIDE	11.529	554	3084	1	-0.65
4	1.82	NITRITE	199.875	6210	36916	1	-0.18
5	2.98	NITRATE	942.940	19702	159833	1	-2.82
6	4.50	PHOSPHATE	7.921	54	489	1	-1.39
7	6.00	SULFATE	99.924	1537	20601	1	-1.85
8	7.86	OXALATE	83.764	709	12879	1	-1.79
		Totals	1371.307	30807	244373		

File: 96021471.d12 Sample: S95T003686 DUP



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Data Reprocessed On 02/26/1996 15:01:42

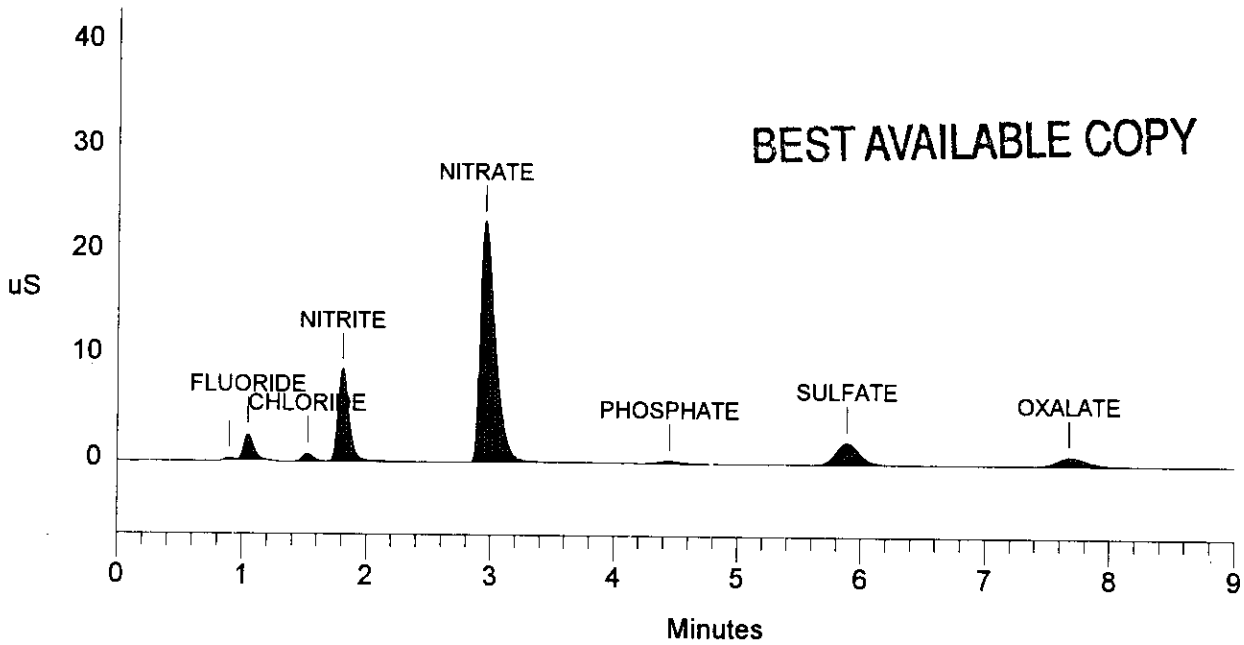
Sample Name: S95T003684 SAMPLE Date: 02/16/1996 10:52:40
Data File : C:\DX\DATA\96021601.d06
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 6 Detector:CDM-1
Analyst : Joel Smith 2/16/96 for VLA Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	147	575	2	
2	1.04	FLUORIDE	32.034	2361	12596	2	-1.57
3	1.52	CHLORIDE	16.003	741	4115	2	-1.08
4	1.80	NITRITE	282.095	8656	52302	2	-0.92
5	2.95	NITRATE	1107.677	22881	190278	1	-3.91
6	4.45	PHOSPHATE	38.585	247	2778	1	-2.41
7	5.89	SULFATE	133.440	2080	27552	1	-3.60
8	7.68	OXALATE	99.980	891	15393	1	-4.04
		Totals	1709.815	38003	305589		

File: 96021601.d06 Sample: S95T003684 SAMPLE



Data Reprocessed On 02/26/1996 15:01:44

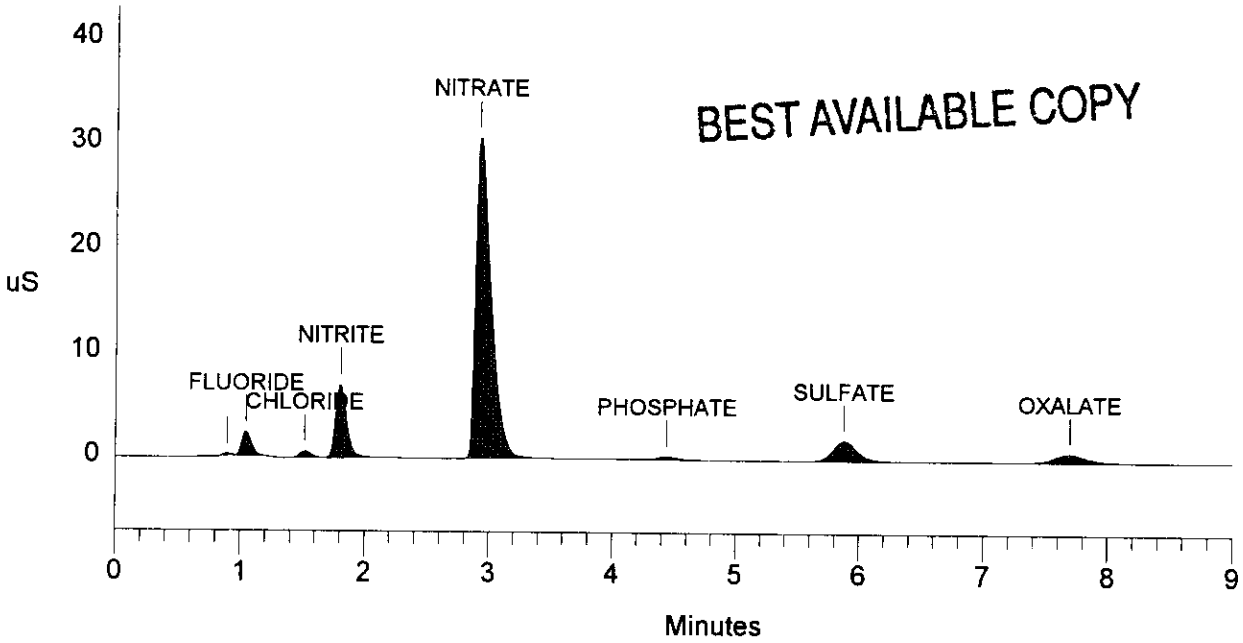
Sample Name: S95T003684 DUP
Date: 02/16/1996 11:08:45
Data File : C:\DX\DATA\96021601.d07
Method : C:\DX\METHOD\ANIONS.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 7
Detector:CDM-1
Analyst : 2/16/96 Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	152	581	2	
2	1.04	FLUORIDE	29.265	2235	11529	2	-1.57
3	1.52	CHLORIDE	13.922	632	3635	1	-1.52
4	1.80	NITRITE	229.640	6975	42473	1	-0.92
5	2.92	NITRATE	1467.167	30479	259970	1	-4.78
6	4.44	PHOSPHATE	44.725	280	3237	1	-2.56
7	5.88	SULFATE	122.497	1910	25279	1	-3.82
8	7.70	OXALATE	91.237	811	14037	1	-3.79
		Totals	1998.454	43474	360741		

File: 96021601.d07 Sample: S95T003684 DUP



BEST AVAILABLE COPY

Data Reprocessed On 02/26/1996 15:01:46

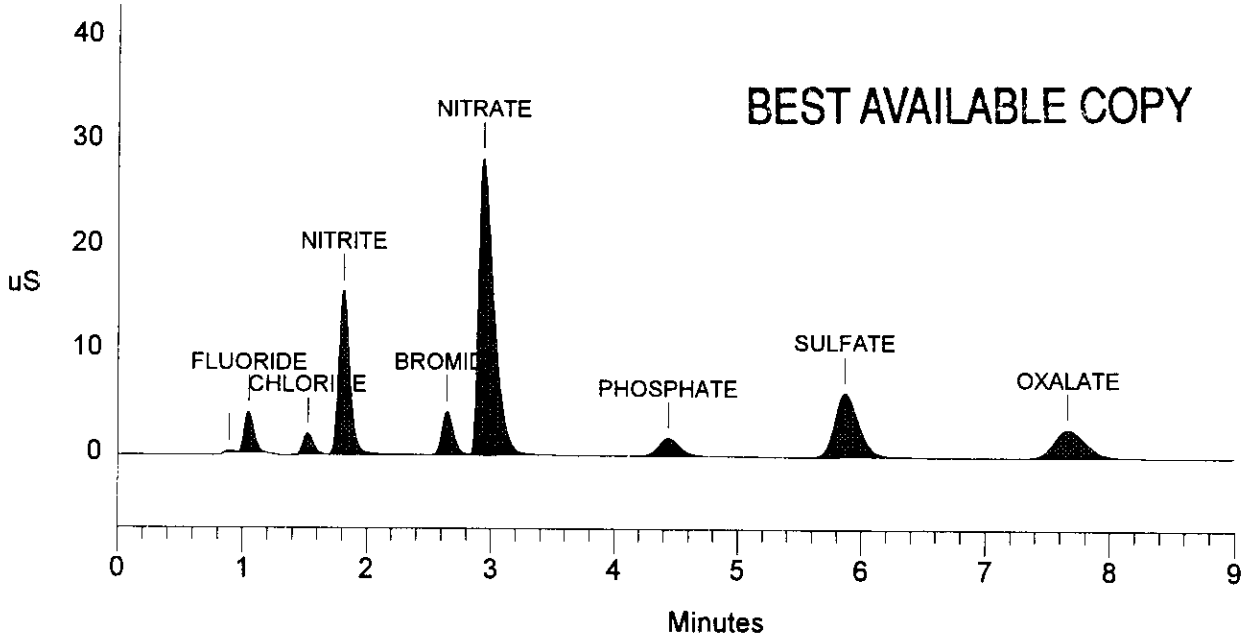
Sample Name: S95T003684 SPIKE Date: 02/16/1996 11:21:20
Data File : C:\DX\DATA\96021601.d08
Method : C:\DX\METHOD\ANIONS.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 8 Detector:CDM-1
Analyst : Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	2700	5Hz	0.00	9.00		200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	194	750	2	
2	1.05	FLUORIDE	52.314	3914	20494	2	-0.94
3	1.52	CHLORIDE	47.891	2020	11617	2	-1.08
4	1.81	NITRITE	515.850	15687	96680	2	-0.55
5	2.64	BROMIDE	214.159	4147	26267	2	-1.73
6	2.94	NITRATE	1371.985	28290	241048	2	-4.34
7	4.44	PHOSPHATE	261.748	1687	19765	1	-2.70
8	5.87	SULFATE	381.892	6092	80026	1	-3.93
9	7.66	OXALATE	298.215	2674	46418	1	-4.21
		Totals	3144.055	64706	543065		

File: 96021601.d08 Sample: S95T003684 SPIKE



Data Reprocessed On 02/26/1996 15:01:48

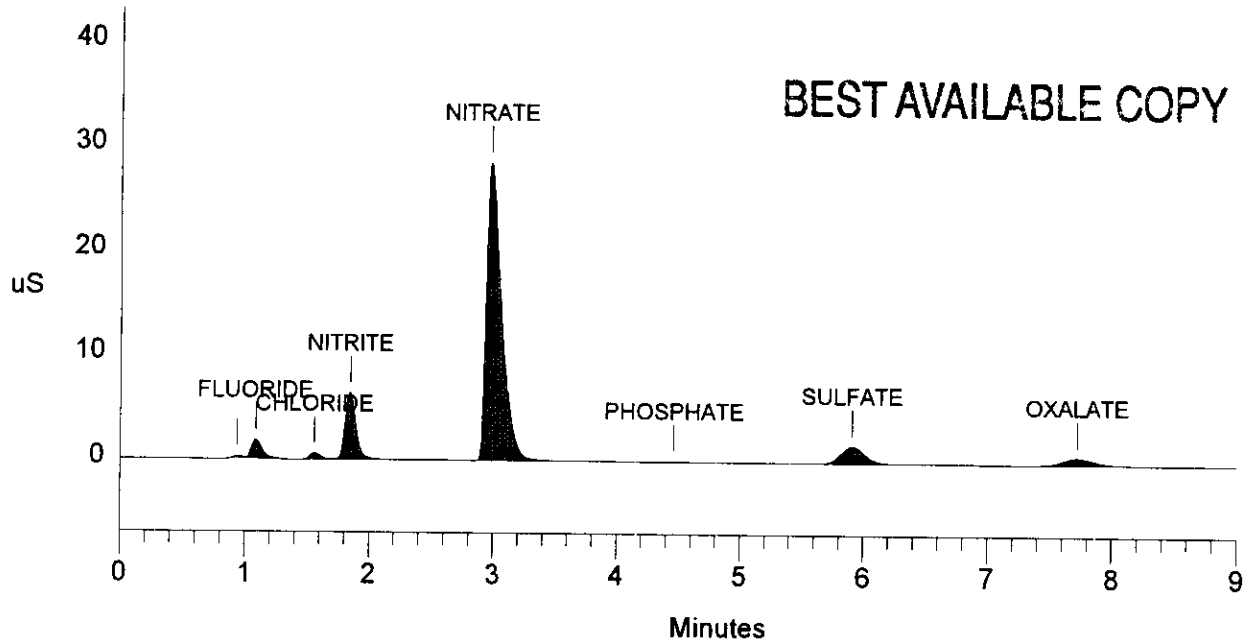
Sample Name: S95T003689 SAMPLE
Date: 02/16/1996 12:59:59
Data File : C:\DX\DATA\96021601.d09
Method : C:\DX\METHOD\ANIONS.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 2 Inject#: 9
Detector:CDM-1
Analyst : Column:

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	2700	5Hz	0.00	9.00	200

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.94		0.000	172	793	2	
2	1.08	FLUORIDE	27.907	1789	11006	2	2.20
3	1.56	CHLORIDE	13.139	623	3454	1	1.08
4	1.84	NITRITE	201.324	6368	37186	1	1.28
5	2.98	NITRATE	1361.785	28408	239041	1	-3.04
6	4.46	PHOSPHATE	13.114	78	876	1	-2.12
7	5.91	SULFATE	108.449	1670	22366	1	-3.27
8	7.72	OXALATE	81.289	714	12496	1	-3.46
		Totals	1807.006	39822	327217		

File: 96021601.d09 Sample: S95T003689 SAMPLE



LABCORE Completed Worklist Report for Worklist# 4680

Analyst: wgb **Instrument:** IC01 **Book#** 122N9-E

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

Worklist Comment: BY-104 FOR IC 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	2.86e-01	0.290	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	5.73e+01	97.120	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.29e+01	92.280	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	5.14e+02	96.250	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.67e+02	98.610	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	5.95e+02	96.910	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.27e+02	96.520	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.15e+02	97.460	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	5.20e+02	98.860	% 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	2.60e-02	3.000e-002	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	1.61e-01	0.160	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	3.40e-01	0.340	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	2.04e-01	0.200	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	REJECT	S95T003690	W	0	@IC-01	F-02	SOLID	N/A	2.749e+03		ug/g
4	REJECT	S95T003690	W	0	@IC-01	CL-02	SOLID	N/A	1.604e+03		ug/g
4	REJECT	S95T003690	W	0	@IC-01	NO2-02	SOLID	N/A	2.543e+04		ug/g
4	REJECT	S95T003690	W	0	@IC-01	BR-02	SOLID	N/A <	9.685e+02		ug/g
4	REJECT	S95T003690	W	0	@IC-01	NO3-02	SOLID	N/A	1.251e+05		ug/g
4	REJECT	S95T003690	W	0	@IC-01	PO4-02	SOLID	N/A	2.658e+03		ug/g
4	REJECT	S95T003690	W	0	@IC-01	SO4-02	SOLID	N/A	1.160e+04		ug/g
4	REJECT	S95T003690	W	0	@IC-01	OXALATE2	SOLID	N/A	7.752e+03		ug/g
5	DUP	S95T003690	W	0	@IC-01	F-02	SOLID	2.75e+03	4.85e+03	55.260	RPD
5	DUP	S95T003690	W	0	@IC-01	CL-02	SOLID	1.60e+03	2.94e+03	59.030	RPD
5	DUP	S95T003690	W	0	@IC-01	NO2-02	SOLID	2.54e+04	4.48e+04	55.270	RPD
5	DUP	S95T003690	W	0	@IC-01	BR-02	SOLID	<9.68e2	<9.87e2		RPD
5	DUP	S95T003690	W	0	@IC-01	NO3-02	SOLID	1.25e+05	2.25e+05	57.140	RPD
5	DUP	S95T003690	W	0	@IC-01	PO4-02	SOLID	2.66e+03	4.66e+03	54.640	RPD
5	DUP	S95T003690	W	0	@IC-01	SO4-02	SOLID	1.16e+04	1.97e+04	51.760	RPD
5	DUP	S95T003690	W	0	@IC-01	OXALATE2	SOLID	7.75e+03	1.39e+04	56.810	RPD
6	SPK	S95T003690	W	0	@IC-01	F-02	SOLID	59	83.588	141.670	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 4680

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S95T003690	0	W	@IC-01	CL-02	SOLID	79	86.860	109.950	% Recovery
6	SPK	S95T003690	0	W	@IC-01	NO2-02	SOLID	534	793.433	148.580	% Recovery
6	SPK	S95T003690	0	W	@IC-01	BR-02	SOLID	575	542.500	94.350	% Recovery
6	SPK	S95T003690	0	W	@IC-01	NO3-02	SOLID	614	2056.245	334.890	% Recovery
6	SPK	S95T003690	0	W	@IC-01	PO4-02	SOLID	546	517.060	94.700	% Recovery
6	SPK	S95T003690	0	W	@IC-01	SO4-02	SOLID	631	720.247	114.140	% Recovery
6	SPK	S95T003690	0	W	@IC-01	OXALATE2	SOLID	526	616.630	117.230	% Recovery
7	SAMPLE	S95T003691	0	W	@IC-01	F-02	SOLID	N/A	4.187e+03	101.600	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	CL-02	SOLID	N/A	2.230e+03	132.800	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	NO2-02	SOLID	N/A	3.816e+04	835.900	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	BR-02	SOLID	N/A <	9.844e+02	984.400	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	NO3-02	SOLID	N/A	2.024e+05	1.093e+003	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	PO4-02	SOLID	N/A	3.155e+03	936.700	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	SO4-02	SOLID	N/A	1.765e+04	1.062e+003	ug/g
7	SAMPLE	S95T003691	0	W	@IC-01	OXALATE2	SOLID	N/A	1.261e+04	820.300	ug/g
8	DUP	S95T003691	0	W	@IC-01	F-02	SOLID	4.19e+03	4.73e+03	12.110	RPD
8	DUP	S95T003691	0	W	@IC-01	CL-02	SOLID	2.23e+03	2.72e+03	19.800	RPD
8	DUP	S95T003691	0	W	@IC-01	NO2-02	SOLID	3.82e+04	4.51e+04	16.570	RPD
8	DUP	S95T003691	0	W	@IC-01	BR-02	SOLID	<9.84e2	<9.21e2		RPD
8	DUP	S95T003691	0	W	@IC-01	NO3-02	SOLID	2.02e+05	1.95e+05	3.530	RPD
8	DUP	S95T003691	0	W	@IC-01	PO4-02	SOLID	3.16e+03	3.11e+03	1.590	RPD
8	DUP	S95T003691	0	W	@IC-01	SO4-02	SOLID	1.76e+04	1.97e+04	11.260	RPD
8	DUP	S95T003691	0	W	@IC-01	OXALATE2	SOLID	1.26e+04	1.38e+04	9.090	RPD

Final page for worklist# 4680

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 3/5/96

The high spike recovery for NO3 is most likely due to the high level of NO3 in the sample making an accurate spike difficult. JMF

9602025 1.D15
96021801.D01 → D09

LABCORE Data Entry Template for Worklist# 4680

Analyst: WGB **Instrument:** IC01 _____ **Book#** 122N9-E

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003690	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003690	0	W	@IC-01	SOLID		
6	SPK	S95T003690	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003691	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S95T003691	0	W	@IC-01	SOLID		

Final page for worklist # 4680

Wayne M Burchardt 2-19-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported In Shell again
uploaded. 3/5/96 N Smith

Data Entry Comments: Prep blank not run with original batch. Was run later. JMF
Rerun S95T003690 @ 41 DF

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 05-Mar-96

Worklist#: 4680

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003690
=>	5	DUP	S95T003690
=>	6	SPK	S95T003690
=>	7	SAMPLE	S95T003691
=>	8	DUP	S95T003691

Data File: 4680NEW.CSV

Seq#	Data File	Sample Name	Dilution
3	96022531.d15	PREP BLANK	1.00
1	96021801.d01	CCB	1.00
2	96021801.d02	CCV STANDARD 12	101.00
	96021801.d03	S95T003690-SAMP	101.00
	96021801.d04	S95T003690-SAMP	101.00
4	96021801.d05	S95T003690-SAMP	41.00
5	96021801.d06	S95T003690-DUP.	41.00
6	96021801.d07	S95T003690-SPIK	41.00
7	96021801.d08	S95T003691-SAMP	41.00
8	96021801.d09	S95T003691-DUP.	41.00

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

Data Reprocessed On 02/27/1996 15:43:37

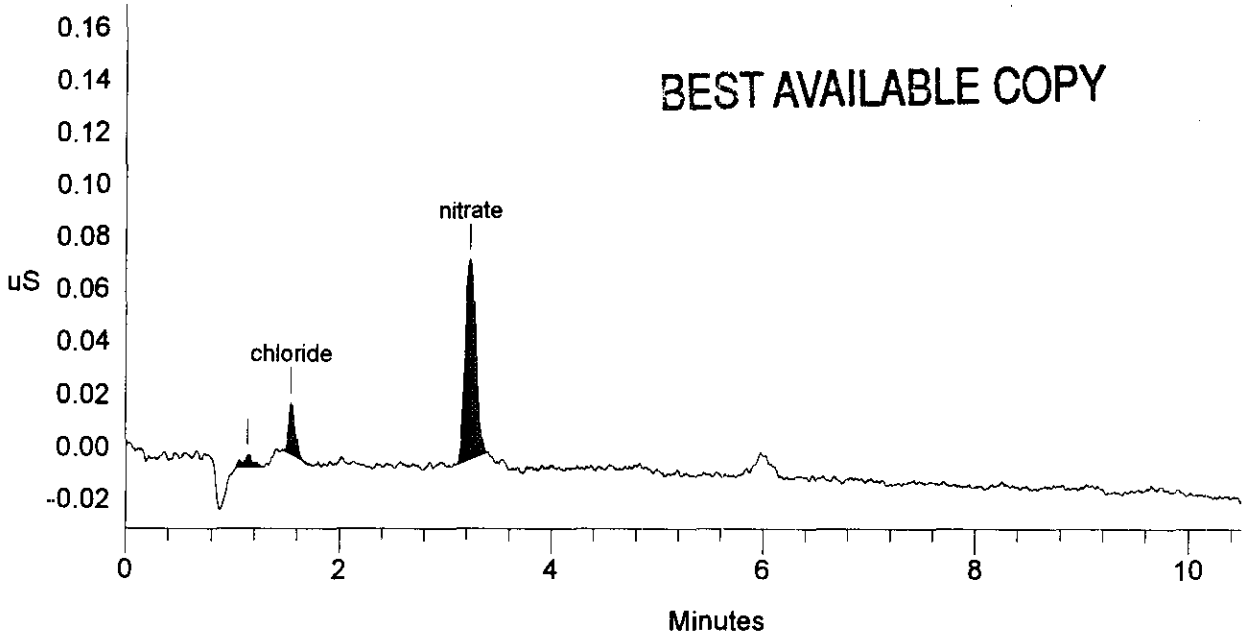
Sample Name: CCB Date: 02/18/1996 21:37:29
Data File : C:\DX\DATA\96021801.d01
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-2
Analyst : Rod Smith 2/19/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.14		0.000	4833	32092	1	
2	1.55	chloride	0.016	19434	81132	1	-1.49
3	3.23	nitrate	0.286	75940	531712	1	2.43
		Totals	0.302	100207	644936		

File: 96021801.d01 Sample: CCB



BEST AVAILABLE COPY

Data Reprocessed On 02/27/1996 15:43:39

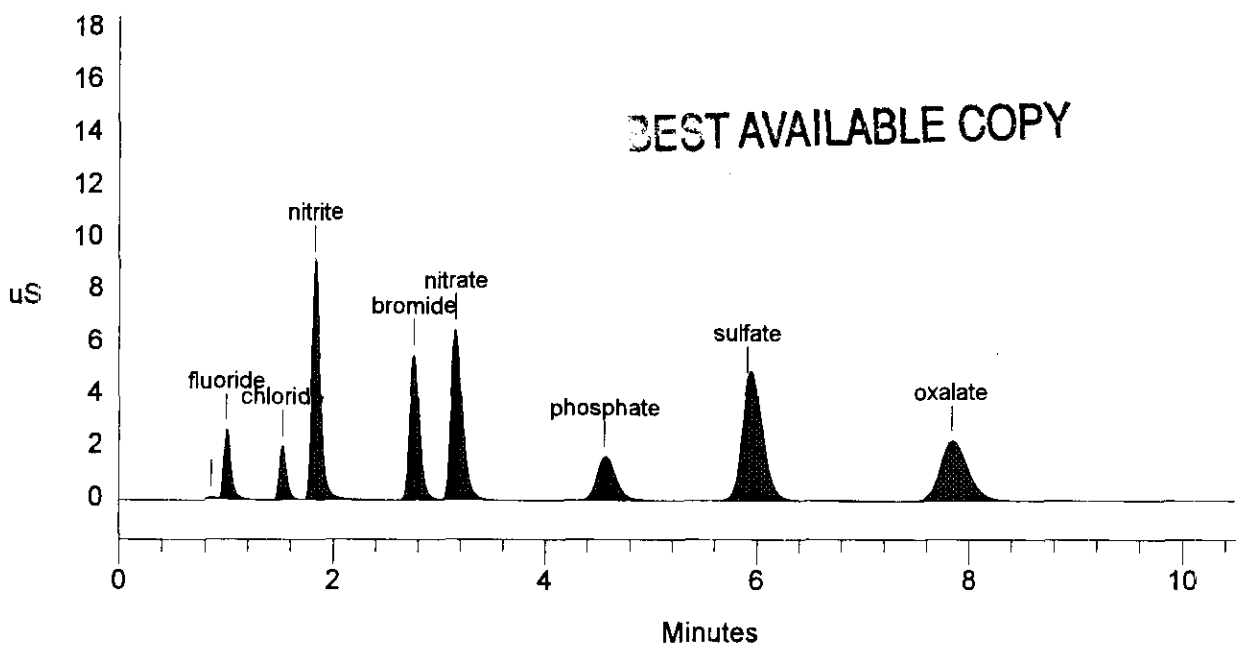
Sample Name: CCV STANDARD 122N9-E	Date: 02/18/1996 22:19:32
Data File : C:\DX\DATA\96021801.d02	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-2
Analyst : Noel Smith 2/19/96	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	68636	290216	2	
2	1.01	fluoride	57.341	2634320	12104158	2	-0.33
3	1.53	chloride	72.863	2038299	9631070	1	-2.76
4	1.83	nitrite	513.627	9100337	49140430	1	-4.01
5	2.76	bromide	566.687	5512112	35204716	1	-2.13
6	3.15	nitrate	594.925	6479726	47801574	1	0.11
7	4.56	phosphate	526.544	1616694	20895624	1	-2.77
8	5.92	sulfate	613.584	4480470	64535692	1	-4.36
9	7.84	oxalate	520.463	2244174	40967908	1	-3.33
		Totals	3466.034	34174767	280571388		

File: 96021801.d02 Sample: CCV STANDARD 122N9-E



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Data Reprocessed On 02/27/1996 15:43:35

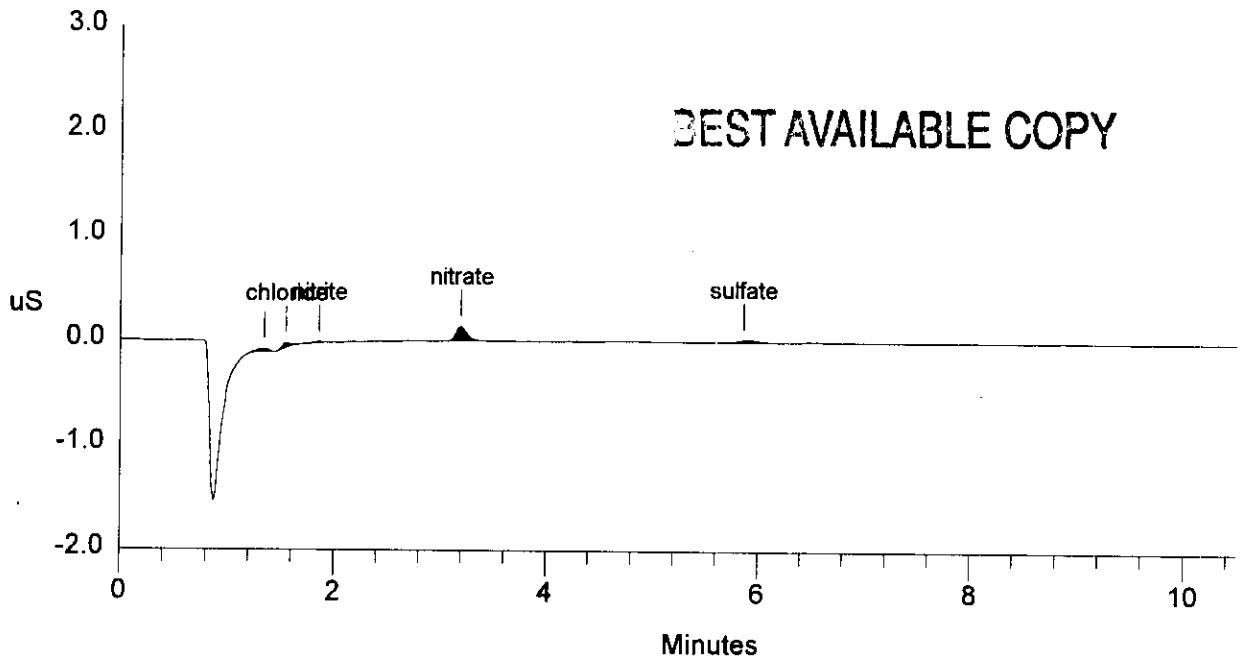
Sample Name: PREP BLANK Date: 02/26/1996 15:18:48
Data File : C:\DX\DATA\96022531.d15
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 15 Detector: CDM-2
Analyst : [illegible] 2/19/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.35		0.000	35125	261210	1	
2	1.55	chloride	0.026	44034	214202	1	-1.06
3	1.86	nitrite	0.161	10447	69572	1	-2.62
4	3.19	nitrate	0.340	139365	975734	1	1.38
5	5.87	sulfate	0.204	20925	312680	1	-5.22
		Totals	0.731	249897	1833398		

File: 96022531.d15 Sample: PREP BLANK



BEST AVAILABLE COPY

Data Reprocessed On 02/27/1996 15:43:42

Sample Name: S95T003690-SAMPLE Date: 02/18/1996 22:36:44
Data File : C:\DX\DATA\96021801.d03
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3 Detector: CDM-2
Analyst : Noel Smith 2/19/96 Column: AG4A/AS4A anion column

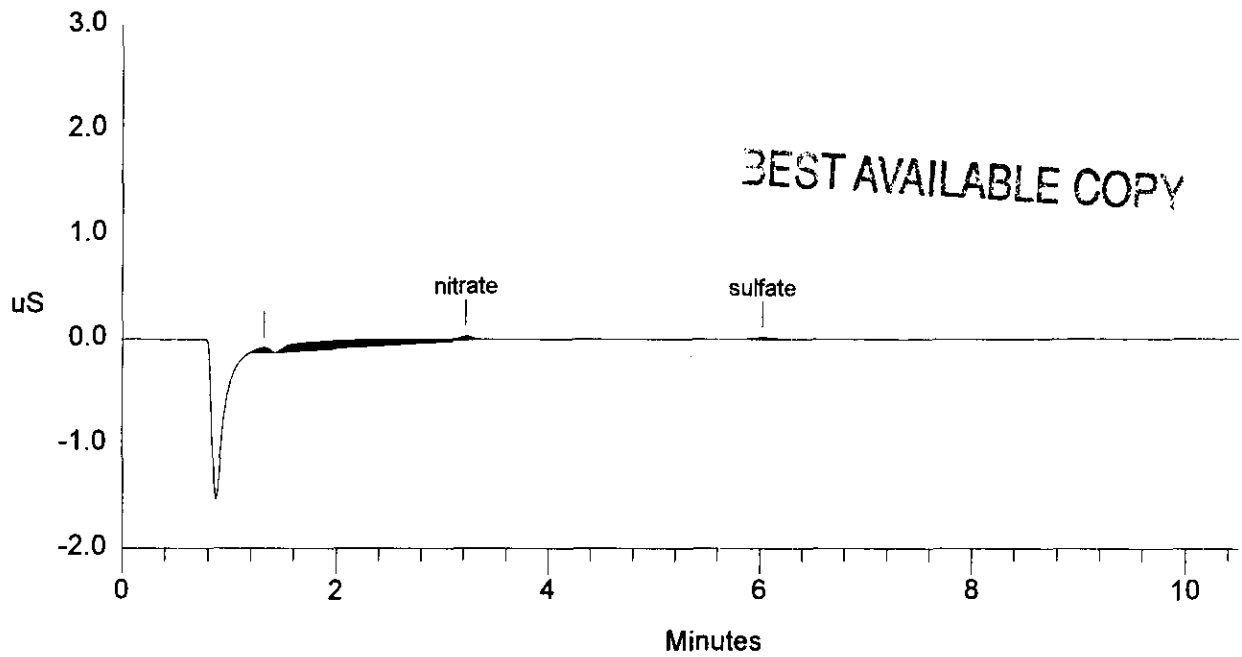
WHC-SD-WM-DP-164, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.33		0.000	48073	387122	1	
2	3.22	nitrate	93.362	44388	5854659	1	2.22
3	6.03	sulfate	20.404	17980	287410	1	-2.64
		Totals	113.766	110441	6529191		

File: 96021801.d03 Sample: S95T003690-SAMPLE



BEST AVAILABLE COPY

Data Reprocessed On 02/27/1996 15:43:44

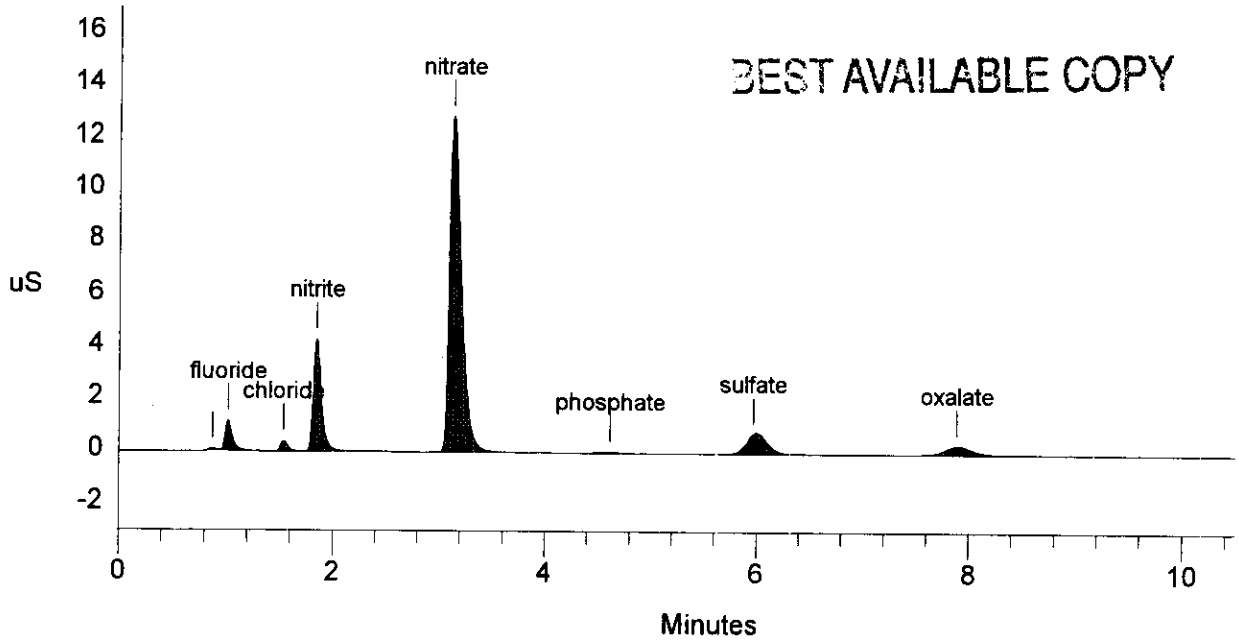
Sample Name: S95T003690-SAMPLE Date: 02/18/1996 22:56:46
Data File : C:\DX\DATA\96021801.d04
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-2
Analyst : Mod Tmcth 2/19/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	65576	281641	2	
2	1.02	fluoride	27.196	1134590	5543071	2	0.99
3	1.54	chloride	15.731	415502	1962246	1	-1.91
4	1.85	nitrite	249.065	4321138	22996660	1	-3.32
5	3.13	nitrate	1217.813	12824993	101261276	1	-0.53
6	4.61	phosphate	25.523	41332	521008	1	-1.63
7	5.97	sulfate	120.959	760960	11033790	1	-3.50
8	7.89	oxalate	77.799	327509	5916646	1	-2.67
		Totals	1734.085	19891600	149516338		

File: 96021801.d04 Sample: S95T003690-SAMPLE



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Data Reprocessed On 02/27/1996 15:43:47

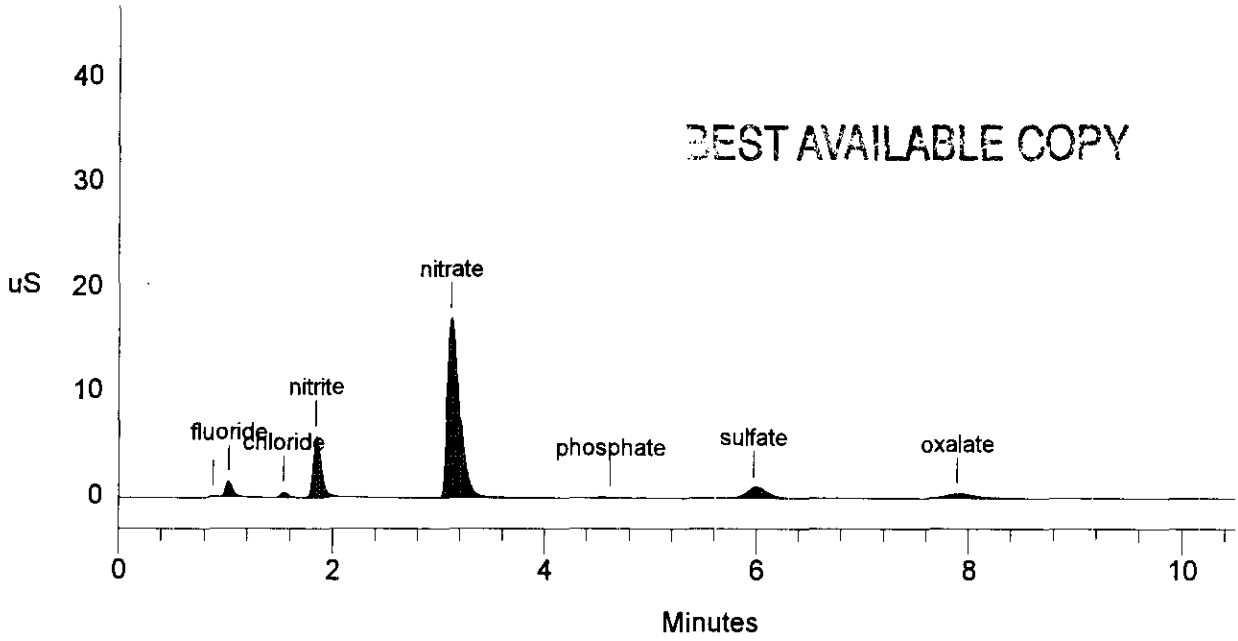
Sample Name: S95T003690-SAMPLE Date: 02/18/1996 23:24:04
Data File : C:\DX\DATA\96021801.d05
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-2
Analyst : Joel Smith 2/19/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.88		0.000	91303	416496	2	
2	1.03	fluoride	14.665	1511208	7484476	2	1.65
3	1.54	chloride	8.556	548375	2675704	1	-1.91
4	1.85	nitrite	135.627	5844363	31389964	1	-3.32
5	3.12	nitrate	667.502	17146755	138806848	1	-0.95
6	4.61	phosphate	14.176	57724	897700	1	-1.63
7	5.97	sulfate	61.901	1006797	14415258	1	-3.50
8	7.89	oxalate	41.348	422315	7811136	1	-2.67
		Totals	943.774	26628840	203897582		

File: 96021801.d05 Sample: S95T003690-SAMPLE



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Data Reprocessed On 02/27/1996 15:43:49

Sample Name: S95T003690-DUP. Date: 02/18/1996 23:37:13
Data File : C:\DX\DATA\96021801.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

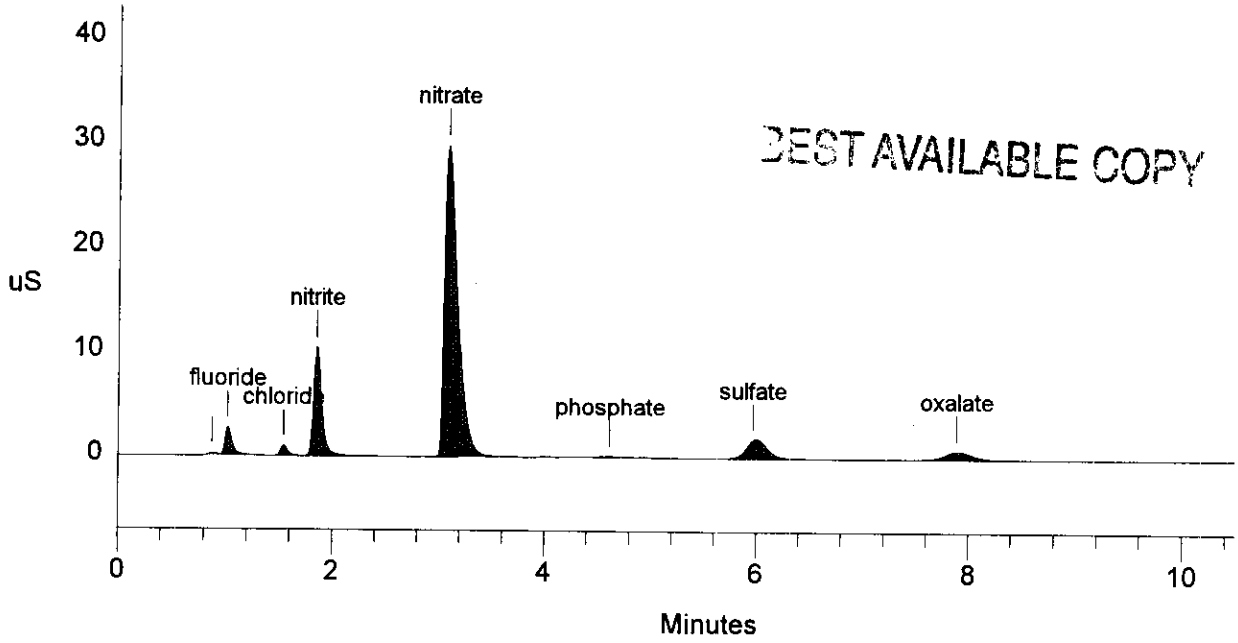
WHC-SD-WM-DP-164, REV.1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	167249	803007	2	
2	1.02	fluoride	25.419	2692864	13254807	2	0.99
3	1.55	chloride	15.408	1014633	4934048	1	-1.49
4	1.85	nitrite	234.561	10421088	55498304	1	-2.97
5	3.09	nitrate	1178.928	29704733	254723740	1	-2.01
6	4.61	phosphate	24.387	121788	1906886	1	-1.63
7	5.97	sulfate	103.340	1777101	25402620	1	-3.50
8	7.89	oxalate	72.577	779298	13877266	1	-2.67
		Totals	1654.620	46678753	370400677		

File: 96021801.d06 Sample: S95T003690-DUP.



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Data Reprocessed On 02/27/1996 15:43:52

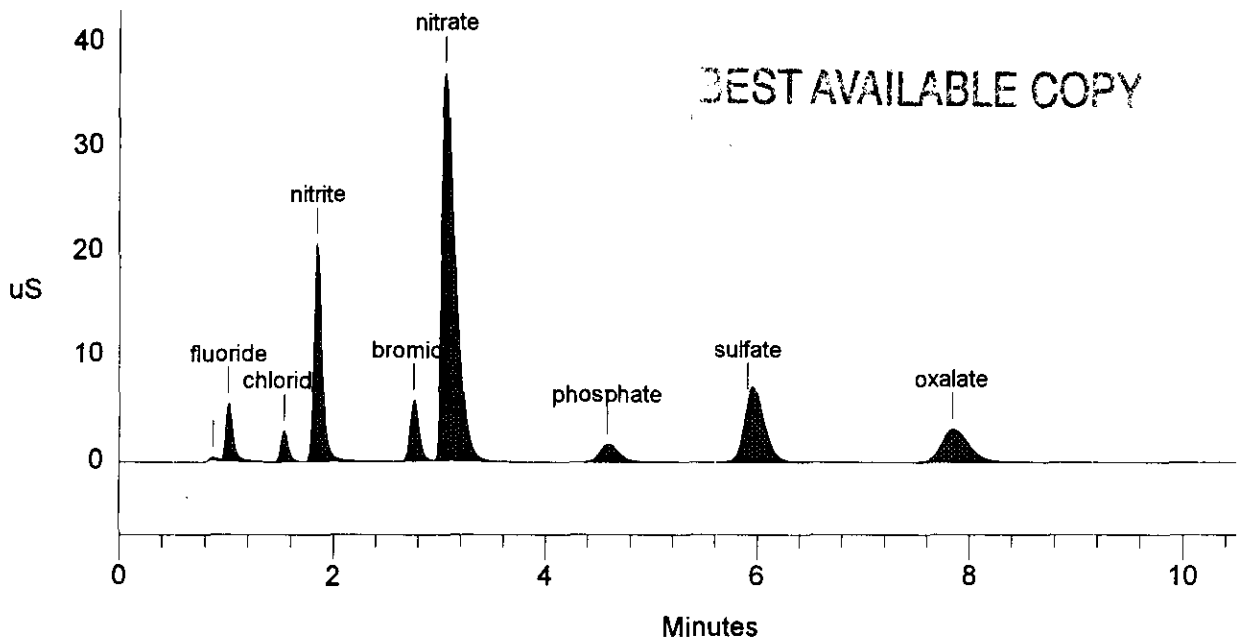
Sample Name: S95T003690-SPIKE Date: 02/18/1996 23:52:09
Data File : C:\DX\DATA\96021801.d07
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 7 Detector: CDM-2
Analyst : [illegible] 2/19/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	254641	1210667	2	
2	1.02	fluoride	48.082	5376823	25464717	2	0.99
3	1.54	chloride	43.267	2936012	14203982	1	-1.91
4	1.85	nitrite	453.040	20778197	109023166	1	-2.97
5	2.76	bromide	216.905	5725367	33097779	1	-2.13
6	3.06	nitrate	1492.117	37033961	329946179	1	-2.86
7	4.59	phosphate	220.788	1673049	21612134	1	-2.20
8	5.92	sulfate	349.956	5914712	92088784	1	-4.36
9	7.84	oxalate	287.842	3093381	56028168	1	-3.33
		Totals	3111.997	82786143	682675576		

File: 96021801.d07 Sample: S95T003690-SPIKE



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Data Reprocessed On 02/27/1996 15:43:54

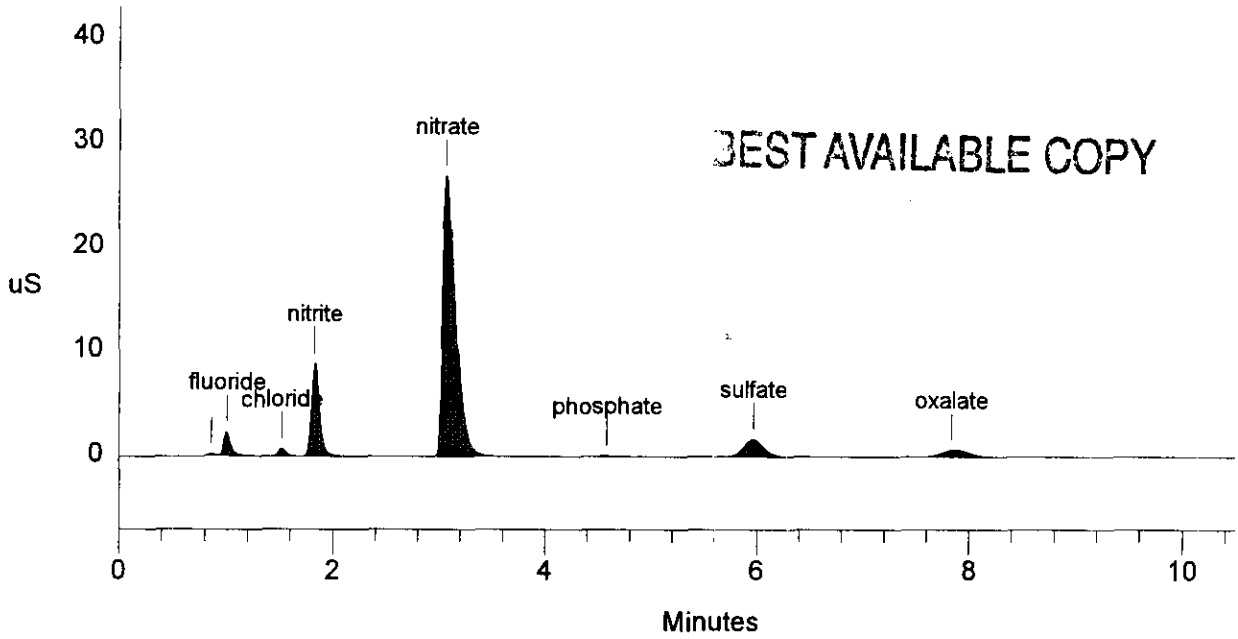
Sample Name: S95T003691-SAMPLE Date: 02/19/1996 01:41:59
Data File : C:\DX\DATA\96021801.d08
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV.
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	160161	758740	2	
2	1.01	fluoride	21.973	2286869	11404257	2	-0.33
3	1.52	chloride	11.704	767063	3712160	1	-3.18
4	1.83	nitrite	200.279	8815819	47135270	1	-4.36
5	3.07	nitrate	1062.323	26821971	227584862	1	-2.65
6	4.59	phosphate	16.560	84932	1133240	1	-2.20
7	5.97	sulfate	92.629	1680655	22556746	1	-3.50
8	7.84	oxalate	66.626	668397	12720318	1	-3.33
		Totals	1472.094	41285868	327005593		

File: 96021801.d08 Sample: S95T003691-SAMPLE



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Data Reprocessed On 02/27/1996 15:43:57

Sample Name: S95T003691-DUP. Date: 02/19/1996 01:55:54
Data File : C:\DX\DATA\96021801.d09
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-2
Analyst : [illegible] 4/19/96 Column: AG4A/AS4A anion column

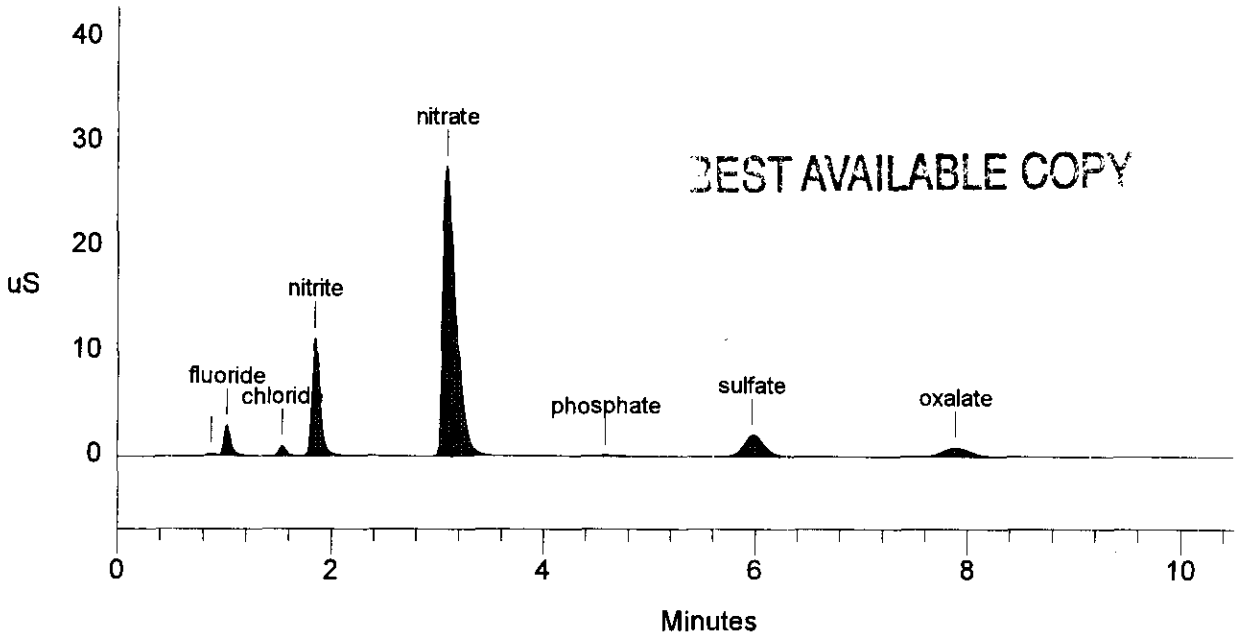
WHC-SD-WM-DP-164, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	190290	866664	2	
2	1.02	fluoride	26.466	2897988	13817124	2	0.99
3	1.54	chloride	15.262	996652	4885660	1	-1.91
4	1.85	nitrite	253.317	11242874	60077680	1	-3.32
5	3.09	nitrate	1096.433	27677574	235477760	1	-2.01
6	4.59	phosphate	17.443	94472	1220446	1	-2.20
7	5.97	sulfate	110.383	2016376	27275972	1	-3.50
8	7.89	oxalate	77.359	810227	14807332	1	-2.67
		Totals	1596.663	45926454	358428638		

File: 96021801.d09 Sample: S95T003691-DUP.



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LABCORE Completed Worklist Report for Worklist# 4681

Analyst: eal **Instrument:** IC01 **Book#** 122N9-E

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

Worklist Comment: BY-104 FOR IC 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	2.50e-02	3.000e-002	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	2.52e-01	0.250	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	1.99e-01	0.200	ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	59	5.51e+01	93.390	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.16e+01	90.630	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	4.93e+02	92.320	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.41e+02	94.090	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	5.95e+02	96.910	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.14e+02	94.140	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.09e+02	96.510	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	5.08e+02	96.580	% 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	2.32e-01	0.230	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	1.93e-01	0.190	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	F-02	SOLID	N/A	5.499e+03	125.100	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	CL-02	SOLID	N/A	3.869e+03	163.600	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	NO2-02	SOLID	N/A	4.422e+04	1.030e+003	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	BR-02	SOLID	N/A <	1.213e+03	1.213e+003	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	NO3-02	SOLID	N/A	2.198e+05	1.346e+003	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	PO4-02	SOLID	N/A	3.618e+03	1.154e+003	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	SO4-02	SOLID	N/A	2.238e+04	1.308e+003	ug/g
4	SAMPLE	S95T003692	W	0	@IC-01	OXALATE2	SOLID	N/A	1.529e+04	1.011e+003	ug/g
5	DUP	S95T003692	W	0	@IC-01	F-02	SOLID	5.50e+03	5.34e+03	2.950	RPD
5	DUP	S95T003692	W	0	@IC-01	CL-02	SOLID	3.87e+03	2.60e+03	39.260	RPD
5	DUP	S95T003692	W	0	@IC-01	NO2-02	SOLID	4.42e+04	4.28e+04	3.220	RPD
5	DUP	S95T003692	W	0	@IC-01	BR-02	SOLID	<1.21e3	<1.21e3		RPD
5	DUP	S95T003692	W	0	@IC-01	NO3-02	SOLID	2.20e+05	2.28e+05	3.570	RPD
5	DUP	S95T003692	W	0	@IC-01	PO4-02	SOLID	3.62e+03	3.58e+03	1.110	RPD
5	DUP	S95T003692	W	0	@IC-01	SO4-02	SOLID	2.24e+04	2.39e+04	6.480	RPD
5	DUP	S95T003692	W	0	@IC-01	OXALATE2	SOLID	1.53e+04	1.50e+04	1.980	RPD
6	SAMPLE	S95T003693	W	0	@IC-01	F-02	SOLID	N/A	5.876e+03	128.100	ug/g

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

LABCORE Completed Worklist Report for Worklist# 4681

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SAMPLE	S95T003693	0	W	@IC-01	CL-02	SOLID	N/A		2.478e+03	167.500	ug/g
6	SAMPLE	S95T003693	0	W	@IC-01	NO2-02	SOLID	N/A		4.214e+04	1.054e+003	ug/g
6	SAMPLE	S95T003693	0	W	@IC-01	BR-02	SOLID	N/A	<	1.242e+03	1.242e+003	ug/g
6	SAMPLE	S95T003693	0	W	@IC-01	NO3-02	SOLID	N/A		2.258e+05	1.379e+003	ug/g
6	SAMPLE	S95T003693	0	W	@IC-01	PO4-02	SOLID	N/A		3.496e+03	1.182e+003	ug/g
6	SAMPLE	S95T003693	0	W	@IC-01	SO4-02	SOLID	N/A		2.457e+04	1.339e+003	ug/g
6	SAMPLE	S95T003693	0	W	@IC-01	OXALATE2	SOLID	N/A		1.849e+04	1.035e+003	ug/g
7	DUP	S95T003693	0	W	@IC-01	F-02	SOLID	5.88e+03		5.76e+03	2.060	RPD
7	DUP	S95T003693	0	W	@IC-01	CL-02	SOLID	2.48e+03		2.70e+03	8.490	RPD
7	DUP	S95T003693	0	W	@IC-01	NO2-02	SOLID	4.21e+04		4.38e+04	3.960	RPD
7	DUP	S95T003693	0	W	@IC-01	BR-02	SOLID	<1.24e3		<1.25e3		RPD
7	DUP	S95T003693	0	W	@IC-01	NO3-02	SOLID	2.26e+05		1.94e+05	15.240	RPD
7	DUP	S95T003693	0	W	@IC-01	PO4-02	SOLID	3.50e+03		3.44e+03	1.730	RPD
7	DUP	S95T003693	0	W	@IC-01	SO4-02	SOLID	2.46e+04		2.44e+04	0.820	RPD
7	DUP	S95T003693	0	W	@IC-01	OXALATE2	SOLID	1.85e+04		1.88e+04	1.610	RPD

Final page for worklist# 4681

Analyst Signature **Date**

Analyst Signature **Date**

2/27/96

Reviewer Signature **Date**

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

01/04/96 08:04
A-0004-1

LABCORE Data Entry Template for Worklist# 4681

Analyst: EAL **Instrument:** IC01 _____ **Book#** 12209-E

Method: LA-533-105 Rev/Mod D1

Worklist Comment: BY-104 FOR IC RTS

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	S95T003692	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003692	0	W	@IC-01	SOLID		
6	SAMPLE	S95T003693	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
7	DUP	S95T003693	0	W	@IC-01	SOLID		

Final page for worklist # 4681

A Lambert 02-19-96
Analyst Signature **Date**

Analyst Signature **Date**

Jim Shell
uploaded N. Smith 2/27/96

Data Entry Comments:

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 27-Feb-96

Worklist#: 4681

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003692
=>	5	DUP	S95T003692
=>	6	SAMPLE	S95T003693
=>	7	DUP	S95T003693

Data File: 4681FEB.CSV

Seq#	Data File	Sample Name	Dilution
	96021911.d01	INSTR. BLANK	1.00
1	96021911.d02	INSTR. BLANK	1.00
	96021911.d03	I22N9-E STD	101.00
2	96021921.d01	I22N9-E STD	101.00
3	96021921.d02	PREP BLANK	1.00
	96021921.d03	S95T003692	101.00
4	96021921.d04	S95T003692	51.00
5	96021921.d05	S95T003692 DUP	51.00
6	96021921.d06	S95T003693	51.00
7	96021921.d07	S95T003693 DUP	51.00
	96021921.d06	S95T003693	51.00
	96021921.d07	S95T003693 DUP	51.00

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

Sample Name: INSTR. BLANK Date: 02/19/1996 19:43:35
Data File : C:\DX\DATA\96021911.D02 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector: CDM-2
Analyst : A Lampel Column: AG4A/AS4A anion column

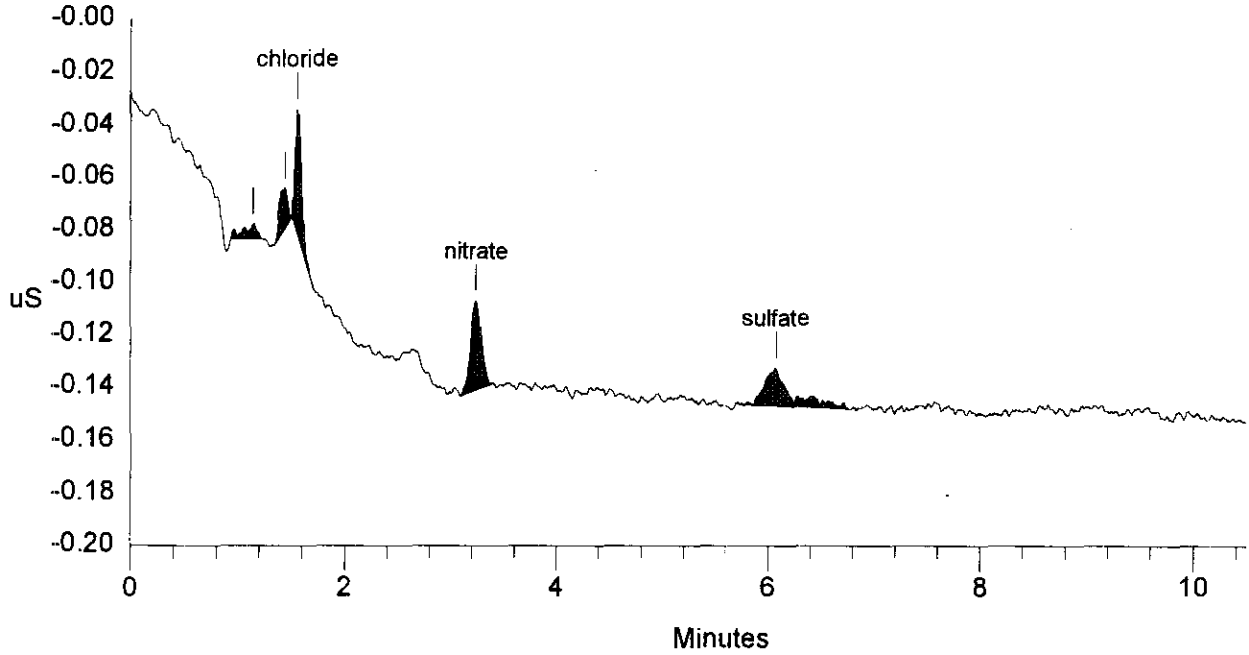
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.15		0.000	5635	52026	1	
2	1.44		0.000	15011	85192	1	
3	1.56	chloride	0.025	48237	202275	1	-0.64
4	3.24	nitrate	0.252	34100	242900	1	2.86
5	6.08	sulfate	0.199	14236	253120	1	-1.78
		Totals	0.475	117219	835513		

File: 96021911.D02 Sample: INSTR. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 514 TO 521.

Sample Name: 122N9-E STD Date: 02/19/1996 21:56:58
Data File : C:\DX\DATA\96021921.D01
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-2
Analyst : A Lambert Column: AG4A/AS4A anion column

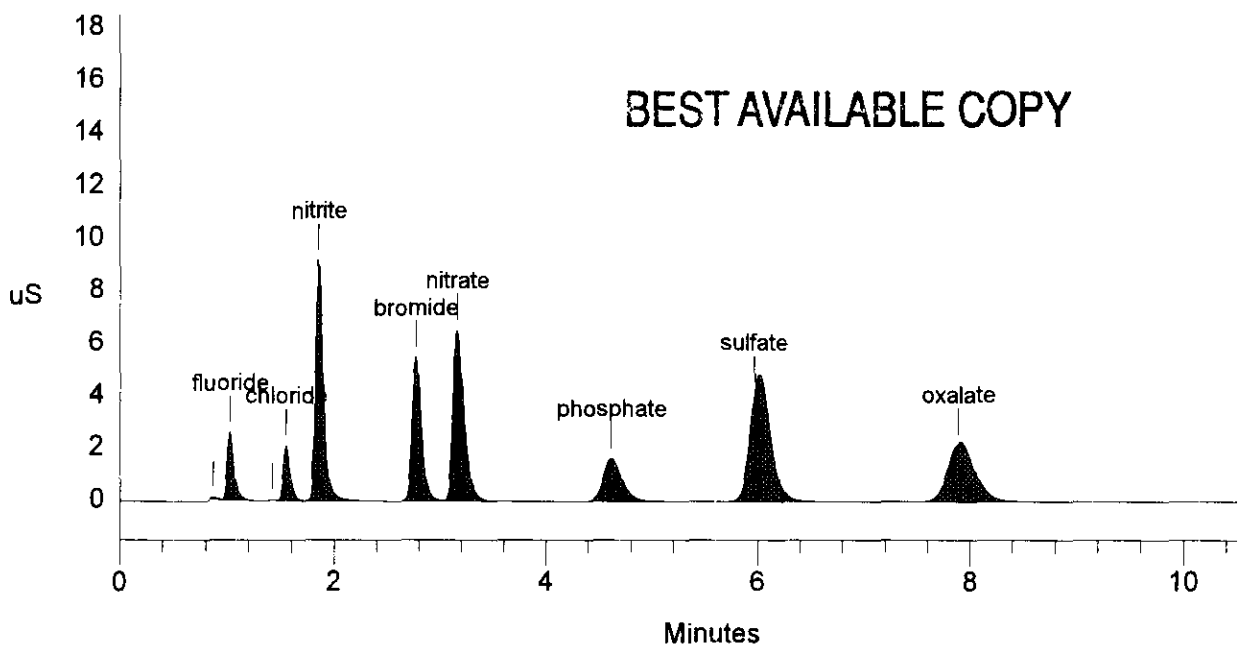
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	90325	392319	2	
2	1.03	fluoride	55.102	2597020	11616073	2	1.65
3	1.43		0.000	15882	74516	1	
4	1.55	chloride	71.620	2106254	9463138	1	-1.06
5	1.86	nitrite	493.384	9176952	47136730	1	-2.62
6	2.77	bromide	541.308	5485474	33551998	1	-1.65
7	3.16	nitrate	595.369	6508957	47839144	1	0.32
8	4.61	phosphate	514.287	1627874	20389842	1	-1.63
9	5.97	sulfate	608.661	4167976	63993788	1	-3.50
10	7.89	oxalate	508.437	2192927	40010228	1	-2.67
		Totals	3388.168	33969641	274467775		

File: 96021921.D01 Sample: 122N9-E STD



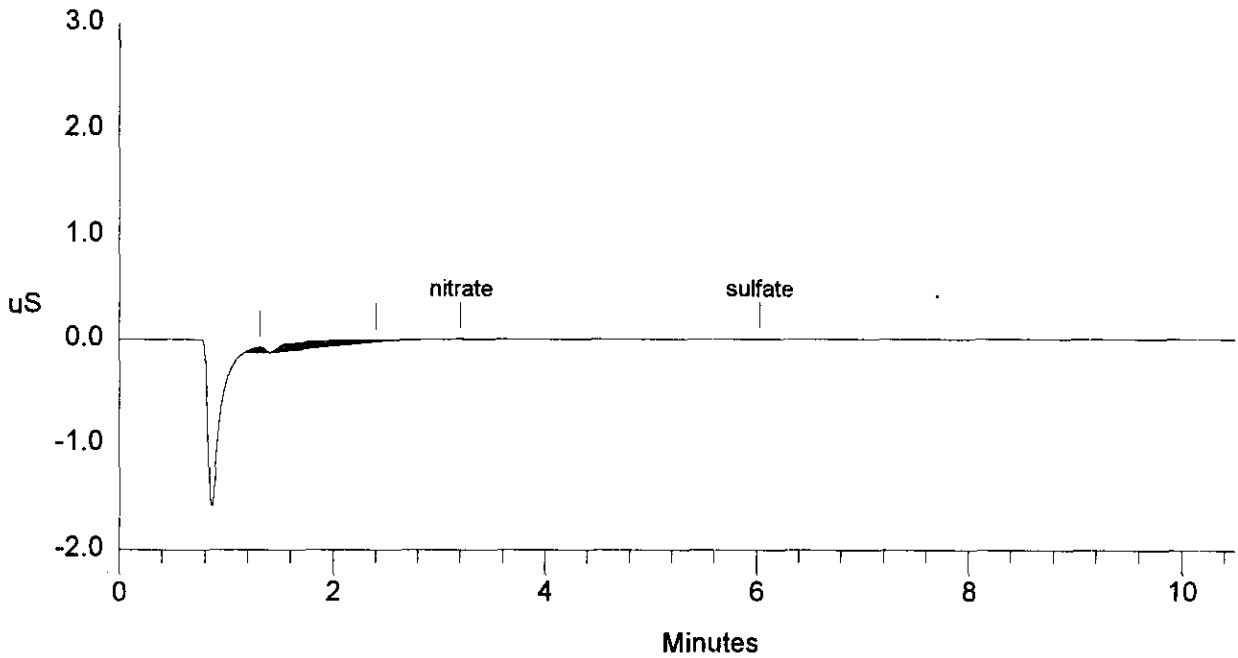
Sample Name: PREP BLANK Date: 02/19/1996 22:18:37
Data File : C:\DX\DATA\96021921.D02 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-2
Analyst : A Lambert Column: AG4A/AS4A anion column
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.31		0.000	49064	407216	1	
2	2.40		0.000	20697	2883705	1	
3	3.20	nitrate	0.232	11898	79718	1	1.59
4	6.03	sulfate	0.193	9556	192032	1	-2.64
		Totals	0.425	91214	3562671		

File: 96021921.D02 Sample: PREP BLANK



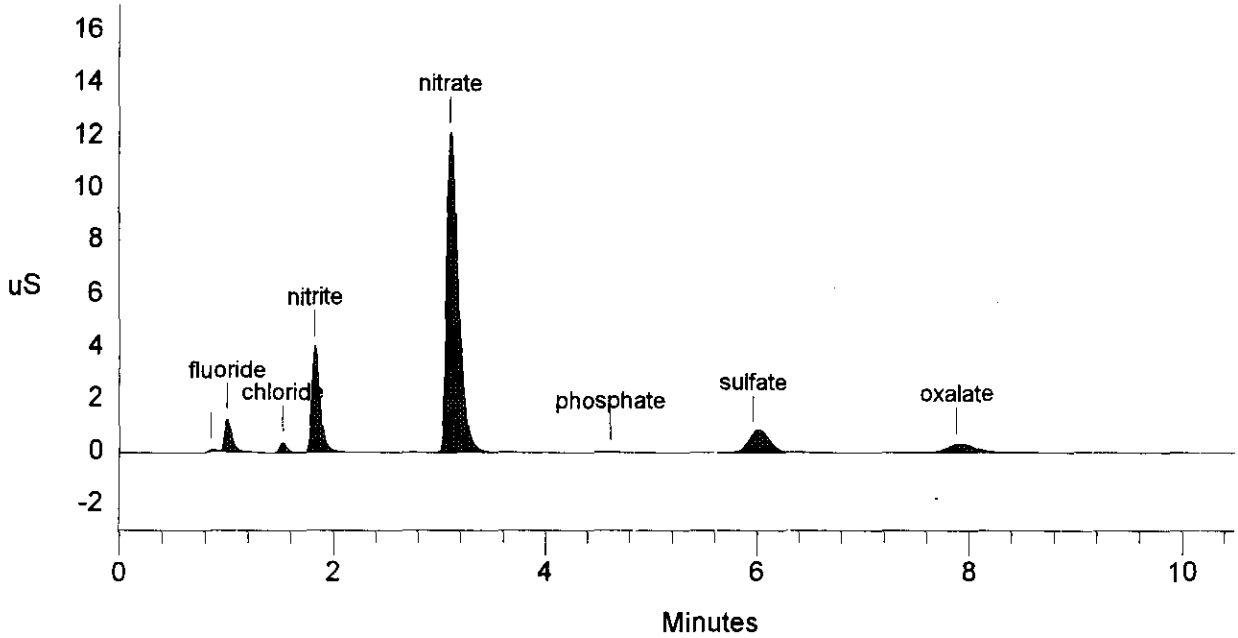
Sample Name: S95T003692 Date: 02/19/1996 22:51:05
Data File : C:\DX\DATA\96021921.D03 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-2
Analyst : A. Lambert Column: AG4A/AS4A anion column
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	76767	364830	2	
2	1.01	fluoride	29.881	1223389	6126654	2	-0.33
3	1.53	chloride	14.898	389761	1851172	1	-2.76
4	1.83	nitrite	233.949	4034493	21505746	1	-4.36
5	3.11	nitrate	1135.835	12084165	94134712	1	-1.38
6	4.61	phosphate	24.354	38725	474174	— 1	-1.63
7	5.97	sulfate	128.299	756510	11820458	1	-3.50
8	7.89	oxalate	80.847	322483	6156618	1	-2.67
		Totals	1648.062	18926294	142434364		

File: 96021921.D03 Sample: S95T003692



Data Reprocessed On 02/19/1996 23:25:21

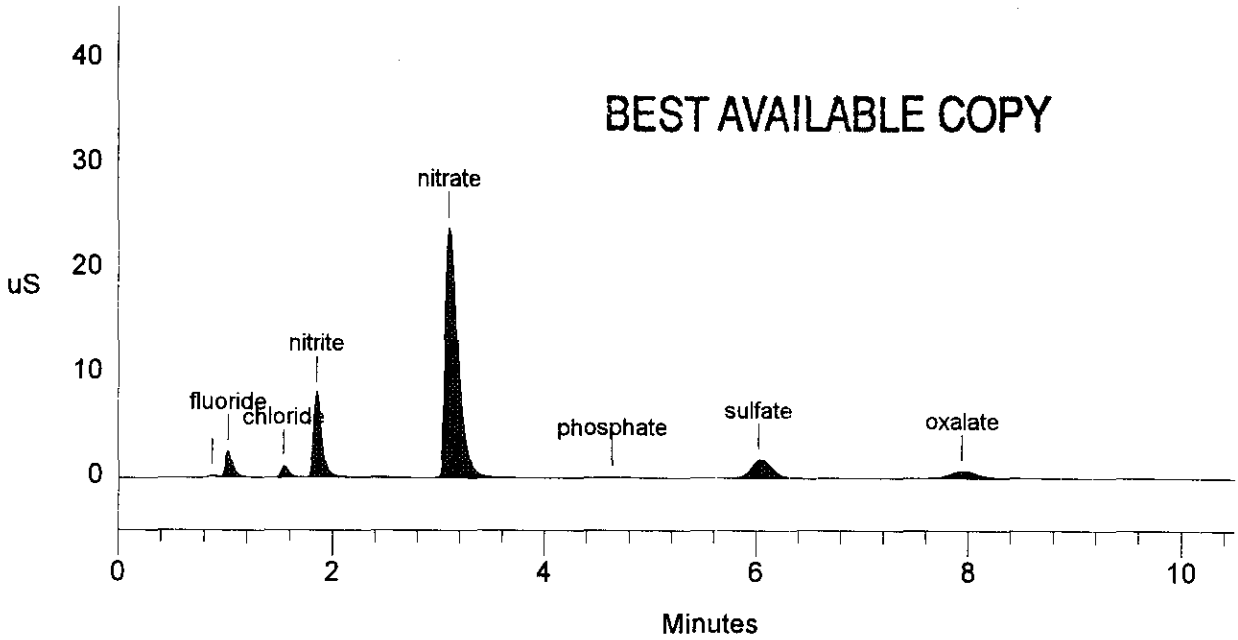
Sample Name: S95T003692 Date: 02/19/1996 23:06:44
Data File : C:\DX\DATA\96021921.D04 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-2
Analyst : [illegible] Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.88		0.000	153393	701396	2	
2	1.03	fluoride	29.139	2497815	12184046	2	1.65
3	1.55	chloride	20.504	1095271	5289366	1	-1.49
4	1.85	nitrite	234.311	8116330	44231844	1	-2.97
5	3.10	nitrate	1164.674	23823111	198743850	1	-1.59
6	4.64	phosphate	19.174	78699	1020012	1	-1.07
7	6.03	sulfate	118.618	1701217	23281934	1	-2.64
8	7.95	oxalate	81.046	676470	12434442	1	-2.01
		Totals	1667.466	38142306	297886890		

File: 96021921.D04 Sample: S95T003692



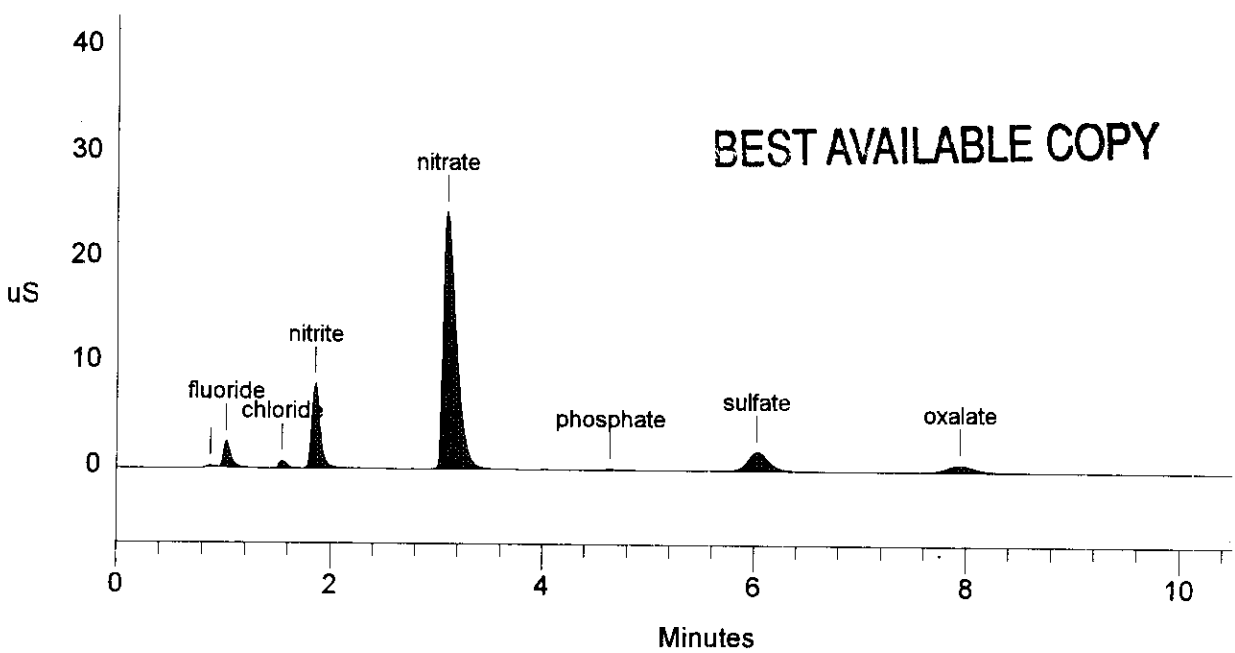
Sample Name: S95T003692 DUP
Date: 02/19/1996 23:18:28
Data File : C:\DX\DATA\96021921.D05
WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5
Detector:CDM-2
Analyst : VT Smith 2/7/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	141493	640063	2	
2	1.02	fluoride	28.279	2477163	11812676	2	0.99
3	1.55	chloride	13.757	733718	3499796	1	-1.49
4	1.85	nitrite	226.369	8025489	42676020	1	-2.97
5	3.09	nitrate	1207.049	24498561	206491792	1	-1.80
6	4.64	phosphate	18.969	78080	1003764	1	-1.07
7	6.03	sulfate	126.702	1785404	25008634	1	-2.64
8	7.95	oxalate	79.254	674941	12154402	1	-2.01
		Totals	1700.378	38414849	303287147		

File: 96021921.D05 Sample: S95T003692 DUP



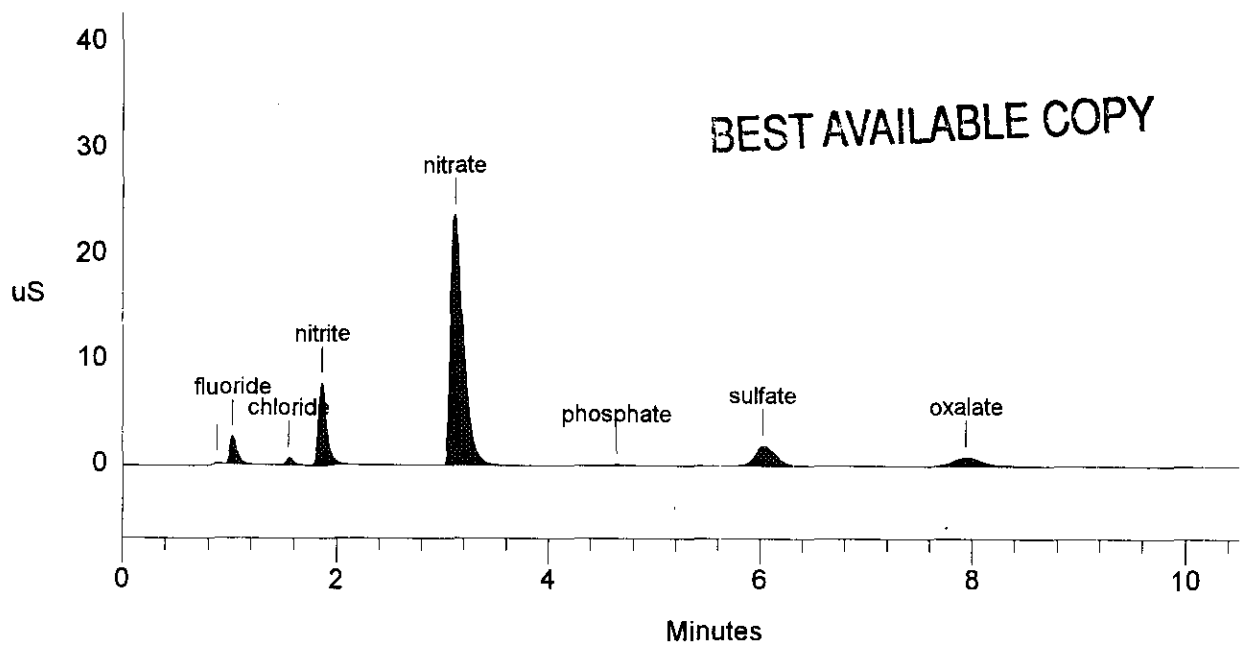
Sample Name: S95T003693 Date: 02/19/1996 23:33:47
Data File : C:\DX\DATA\96021921.D06
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 6 Detector: CDM-2
Analyst : Smith 3/7/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.88		0.000	137292	592885	2	
2	1.03	fluoride	30.410	2619394	12732836	2	1.65
3	1.55	chloride	12.826	693170	3253322	1	-1.06
4	1.86	nitrite	218.089	7759769	41054340	1	-2.62
5	3.11	nitrate	1168.659	23735835	199471062	1	-1.16
6	4.64	phosphate	18.090	76011	933928	1	-1.07
7	6.03	sulfate	127.140	1845176	25102216	1	-2.64
8	7.95	oxalate	95.687	813955	14722842	1	-2.01
		Totals	1670.901	37680602	297863431		

File: 96021921.D06 Sample: S95T003693



Sample Name: S95T003693 DUP
Data File : C:\DX\DATA\96021921.D07
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7
Analyst : M Smith 3/7/96

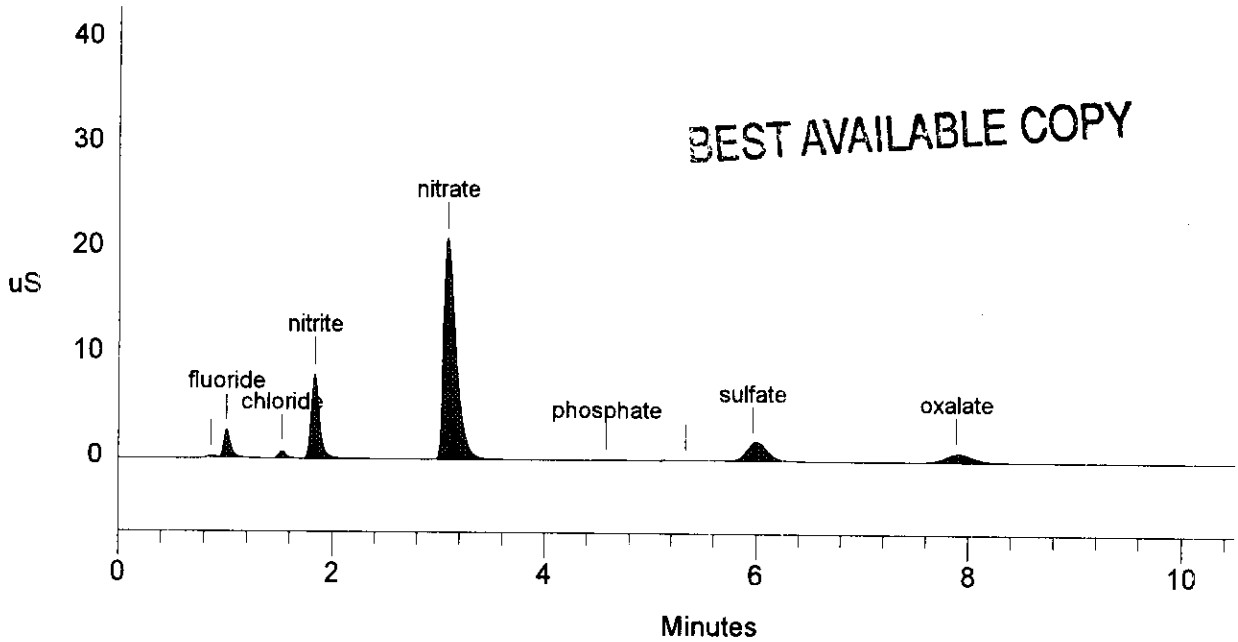
Date: 02/19/1996 23:46:11
WHC-SD-WM-DP-164, REV. 1
Detector:CDM-2
Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	157631	759415	2	
2	1.01	fluoride	29.700	2671008	12426099	2	-0.33
3	1.53	chloride	13.926	740757	3544648	1	-2.76
4	1.83	nitrite	225.942	8094578	42592508	1	-4.01
5	3.08	nitrate	1001.755	20931782	169279552	1	-2.22
6	4.59	phosphate	17.728	73036	905242	1	-2.20
7	5.33		0.000	24086	588800	1	
8	5.97	sulfate	125.510	1719341	24754066	1	-3.50
9	7.89	oxalate	96.949	810623	14920154	1	-2.67
		Totals	1511.512	35222840	269770484		

File: 96021921.D07 Sample: S95T003693 DUP



BEST AVAILABLE COPY

WHC-SD-WM-DP-164, REV. 1

LABCORE Completed Worklist Report for Worklist# 4682

Analyst: krq **Instrument:** IC01 **Book#** 122N9E

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

Worklist Comment: BY-104 FOR IC 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	1.80e-02	2.000e-002	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	2.70e-01	0.270	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	5.76e+01	97.630	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.30e+01	92.410	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	5.14e+02	96.250	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.71e+02	99.300	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	6.06e+02	98.700	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.28e+02	96.700	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.17e+02	97.780	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	5.20e+02	98.860	% 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	8.01e-01	0.800	ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	2.67e-01	0.270	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	1.93e-01	0.190	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	F-02	SOLID	N/A	6.497e+03	104.600	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	CL-02	SOLID	N/A	2.700e+03	136.800	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	NO2-02	SOLID	N/A	4.557e+04	860.900	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	BR-02	SOLID	N/A <	1.014e+03	1.014e+003	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	NO3-02	SOLID	N/A	1.947e+05	1.126e+003	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	PO4-02	SOLID	N/A	3.499e+03	964.600	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	SO4-02	SOLID	N/A	2.704e+04	1.093e+003	ug/g
4	SAMPLE	S95T003694		0 W	@IC-01	OXALATE2	SOLID	N/A	2.128e+04	844.800	ug/g
5	DUP	S95T003694		0 W	@IC-01	F-02	SOLID	6.50e+03	6.31e+03	2.970	RPD
5	DUP	S95T003694		0 W	@IC-01	CL-02	SOLID	2.70e+03	2.73e+03	1.100	RPD
5	DUP	S95T003694		0 W	@IC-01	NO2-02	SOLID	4.56e+04	4.48e+04	1.770	RPD
5	DUP	S95T003694		0 W	@IC-01	BR-02	SOLID	<1.01e3	<1.02e3		RPD
5	DUP	S95T003694		0 W	@IC-01	NO3-02	SOLID	1.95e+05	2.10e+05	7.410	RPD
5	DUP	S95T003694		0 W	@IC-01	PO4-02	SOLID	3.50e+03	3.72e+03	6.090	RPD
5	DUP	S95T003694		0 W	@IC-01	SO4-02	SOLID	2.70e+04	2.73e+04	1.100	RPD
5	DUP	S95T003694		0 W	@IC-01	OXALATE2	SOLID	2.13e+04	2.17e+04	1.860	RPD
6	SPK	S95T003694		0 W	@IC-01	F-02	SOLID	59	53.730	91.070	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 4682

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S95T003694	0	W	@IC-01	CL-02	SOLID	79		77.100	97.590	% Recovery
6	SPK	S95T003694	0	W	@IC-01	NO2-02	SOLID	534		561.910	105.230	% Recovery
6	SPK	S95T003694	0	W	@IC-01	BR-02	SOLID	575		555.000	96.520	% Recovery
6	SPK	S95T003694	0	W	@IC-01	NO3-02	SOLID	614		694.210	113.060	% Recovery
6	SPK	S95T003694	0	W	@IC-01	PO4-02	SOLID	546		515.420	94.400	% Recovery
6	SPK	S95T003694	0	W	@IC-01	SO4-02	SOLID	631		628.043	99.530	% Recovery
6	SPK	S95T003694	0	W	@IC-01	OXALATE2	SOLID	526		551.408	104.830	% Recovery
7	SAMPLE	S95T003695	0	W	@IC-01	F-02	SOLID	N/A		7.530e+03	103.300	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	CL-02	SOLID	N/A		2.634e+03	135.100	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	NO2-02	SOLID	N/A		4.393e+04	850.200	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	BR-02	SOLID	N/A	<	1.001e+03	1.001e+003	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	NO3-02	SOLID	N/A		1.889e+05	1.112e+003	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	PO4-02	SOLID	N/A		8.150e+03	952.700	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	SO4-02	SOLID	N/A		2.888e+04	1.080e+003	ug/g
7	SAMPLE	S95T003695	0	W	@IC-01	OXALATE2	SOLID	N/A		2.216e+04	834.300	ug/g
8	DUP	S95T003695	0	W	@IC-01	F-02	SOLID	7.53e+03		6.99e+03	7.440	RPD
8	DUP	S95T003695	0	W	@IC-01	CL-02	SOLID	2.63e+03		2.76e+03	4.820	RPD
8	DUP	S95T003695	0	W	@IC-01	NO2-02	SOLID	4.39e+04		4.71e+04	7.030	RPD
8	DUP	S95T003695	0	W	@IC-01	BR-02	SOLID	<1.00e3		<1.01e3		RPD
8	DUP	S95T003695	0	W	@IC-01	NO3-02	SOLID	1.89e+05		1.73e+05	8.840	RPD
8	DUP	S95T003695	0	W	@IC-01	PO4-02	SOLID	8.15e+03		5.71e+03	35.210	RPD
8	DUP	S95T003695	0	W	@IC-01	SO4-02	SOLID	2.89e+04		2.87e+04	0.690	RPD
8	DUP	S95T003695	0	W	@IC-01	OXALATE2	SOLID	2.22e+04		2.19e+04	1.360	RPD

Final page for worklist# 4682

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 2/21/96

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

LABCORE Data Entry Template for Worklist# 4682

Analyst: KRQ **Instrument:** IC01 **Book#** 12209-E

Method: LA-533-105 **Rev/Mod** 0-1

WHC-SD-WM-DP-164, REV. 1

Worklist Comment: BY-104 FOR IC RTS

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	S95T003694	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003694	0	W	@IC-01	SOLID		
6	SPK	S95T003694	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003695	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S95T003695	0	W	@IC-01	SOLID		

Final page for worklist # 4682

Analyst Signature **Date** 2/20/96

Analyst Signature **Date**

In shell

~~Uploaded 2/20/96~~ J.M. Fuge JMF 2/20/96 not uploaded

uploaded 2/21/96 MMD Smith

Data Entry Comments:

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

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

Worklist#: 4682

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003694
=>	5	DUP	S95T003694
=>	6	SPK	S95T003694
=>	7	SAMPLE	S95T003695
=>	8	DUP	S95T003695

Data File: 4682FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96022001.d01	CCB	1.00
2	96022001.d03	CCV 122N9-E	101.00
3	96022001.d04	PREP BLANK	1.00
4	96022001.d05	S95T003694	41.00
5	96022001.d06	S95T003694 DUP	41.00
6	96022001.d07	S95T003694 SPIKE	41.00
7	96022001.d08	S95T003695	41.00
8	96022011.d09	S95T003695 DUP	41.00

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

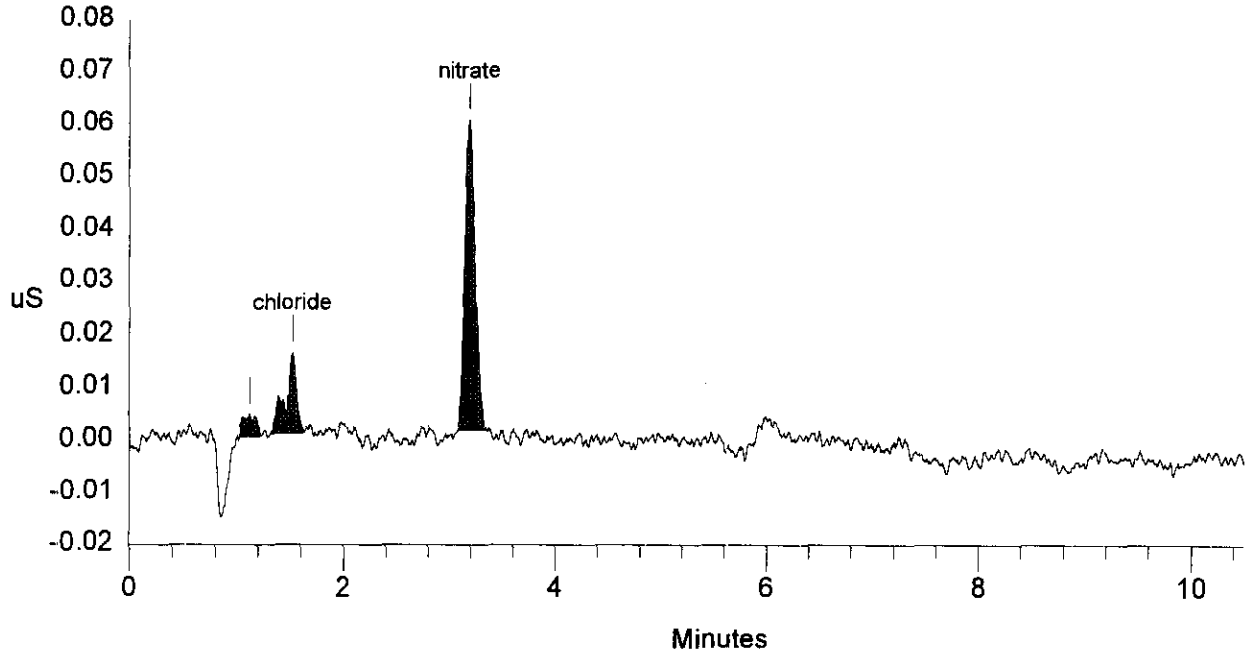
Sample Name: CCB Date: 02/20/1996 07:50:07
Data File : C:\DX\DATA\96022001.D01
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV.
ACI Address: 1 System: 1 Inject#: 1 Detector: CDM-2
Analyst Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.13		0.000	4360	35292	1	
2	1.53	chloride	0.018	15374	112752	1	-2.76
3	3.19	nitrate	0.270	58881	396562	1	1.38
		Totals	0.288	78615	544606		

File: 96022001.D01 Sample: CCB



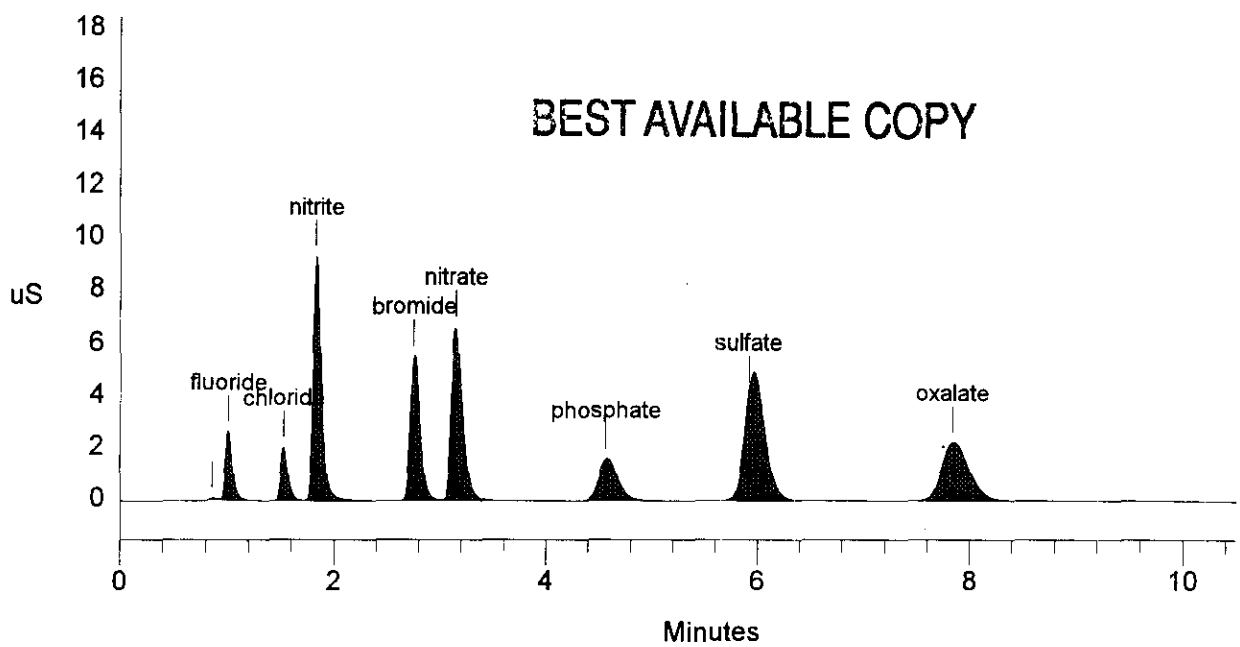
Sample Name: CCV 122N9-E
Data File : C:\DX\DATA\96022001.D03
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3
Analyst : Noel Smith 3/6/96
Date: 02/20/1996 08:23:12
WHC-SD-WM-DP-164, REV. 1
Detector:CDM-2
Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	62487	256405	2	
2	1.01	fluoride	57.587	2611198	12157891	2	-0.33
3	1.53	chloride	72.962	2040563	9644446	1	-2.76
4	1.83	nitrite	513.718	9281347	49149426	1	-4.01
5	2.75	bromide	570.643	5511137	35462616	1	-2.36
6	3.15	nitrate	606.407	6587904	48773036	1	-0.11
7	4.56	phosphate	528.129	1575974	20961052	1	-2.77
8	5.92	sulfate	616.715	4178963	64880362	1	-4.36
9	7.84	oxalate	520.249	2231067	40950868	1	-3.33
		Totals	3486.410	34080640	282236102		

File: 96022001.D03 Sample: CCV 122N9-E



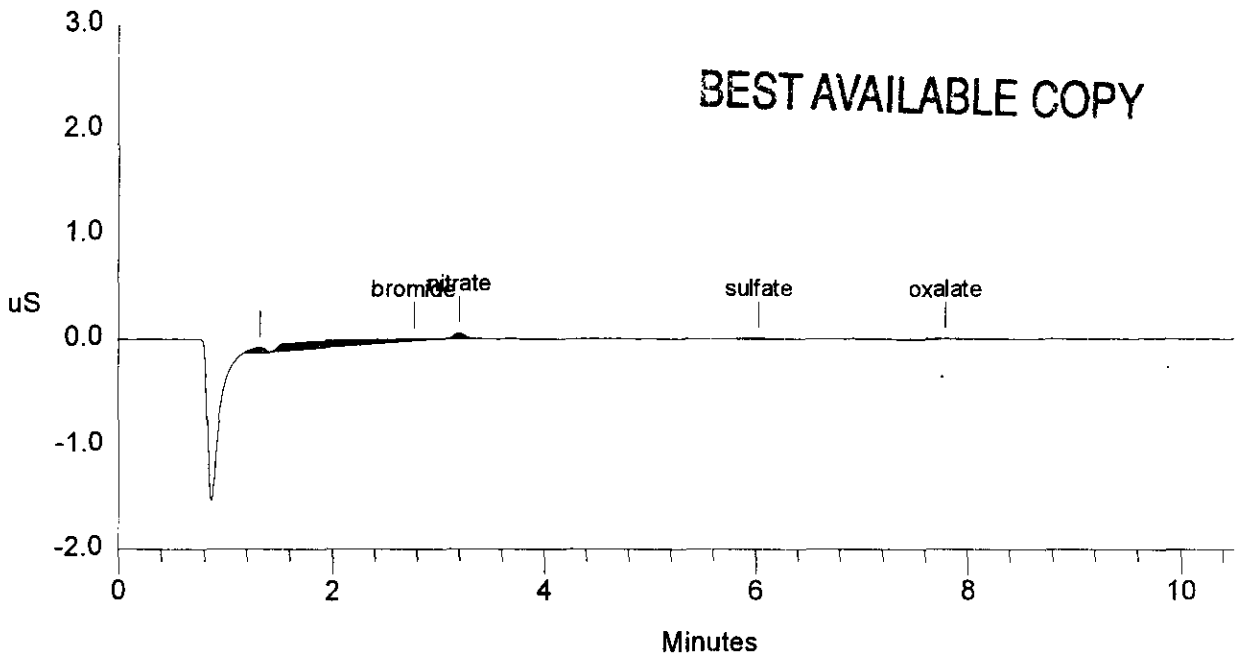
Sample Name: PREP BLANK Date: 02/20/1996 08:37:43
Data File : C:\DX\DATA\96022001.D04 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-2
Analyst : [illegible] 3/10/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.32		0.000	46890	380612	1	
2	2.77	bromide	0.801	16272	4017631	1	-1.89
3	3.19	nitrate	0.267	54693	368612	1	1.38
4	6.03	sulfate	0.193	11059	191972	1	-2.64
5	7.79	oxalate	0.073	7974	376722	1	-3.99
		Totals	1.334	136889	5335549		

File: 96022001.D04 Sample: PREP BLANK



BEST AVAILABLE COPY

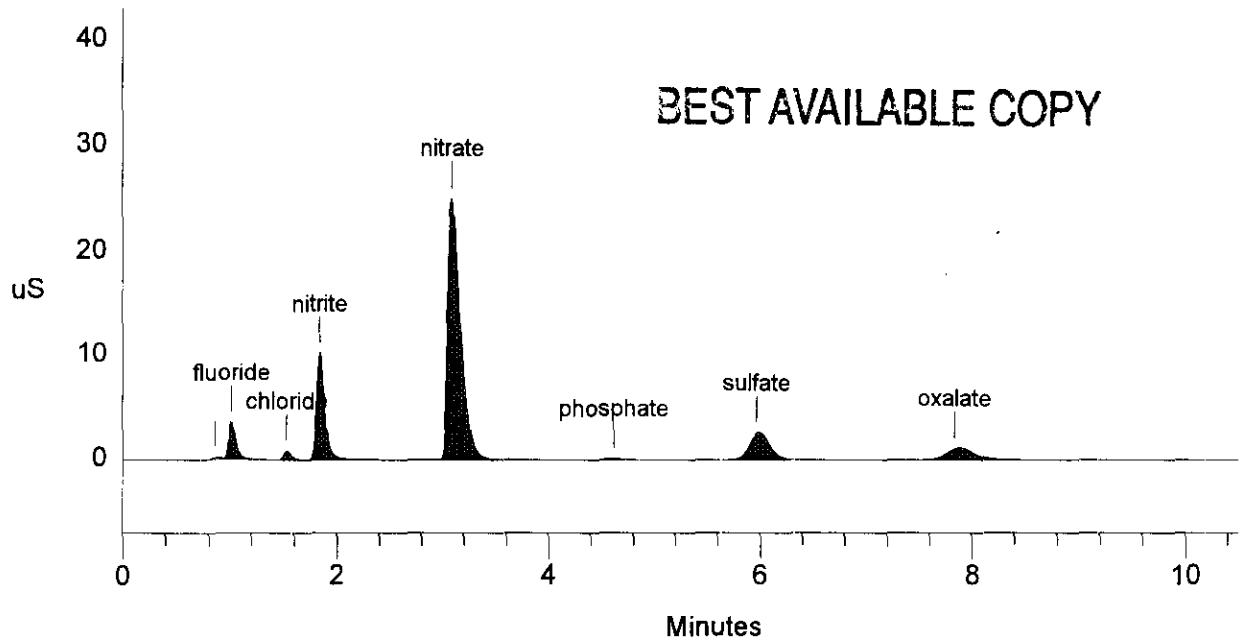
Sample Name: S95T003694 Date: 02/20/1996 09:04:34
Data File : C:\DX\DATA\96022001.D05 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	174280	794130	2	
2	1.01	fluoride	33.108	3536740	17389726	2	0.33
3	1.53	chloride	13.760	899805	4389962	1	-2.34
4	1.84	nitrite	232.236	10180833	54930622	1	-3.66
5	3.09	nitrate	992.316	24965064	211501454	1	-2.01
6	4.61	phosphate	17.832	103042	1258912	1	-1.63
7	5.97	sulfate	137.783	2587975	34581262	1	-3.50
8	7.84	oxalate	108.437	1083829	20857998	1	-3.33
		Totals	1535.471	43531567	345704066		

File: 96022001.D05 Sample: S95T003694



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==========================================================================
| Sample Name: S95T003694 DUP                    Date: 02/20/1996 10:36:02 |
| Data File  : C:\DX\DATA\96022001.D06                                    |
| Method     : C:\DX\METHOD\KIT.MET                                       |
| ACI Address: 1  System: 1  Inject#: 6                  Detector:CDM-2   |
| Analyst    :                          Column: AG4A/AS4A anion column    |
==========================================================================
```

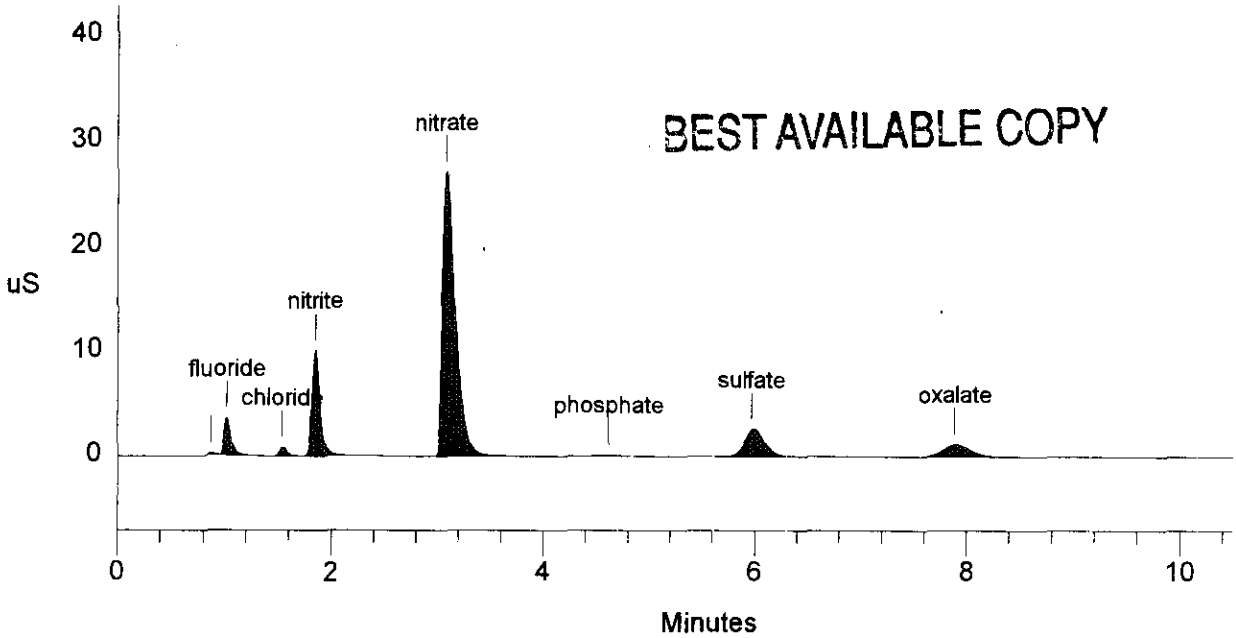
WHC-SD-WM-DP-164, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	185963	857985	2	
2	1.02	fluoride	31.840	3580739	16707058	2	0.99
3	1.54	chloride	13.778	906917	4396182	1	-1.91
4	1.85	nitrite	225.703	10081439	53336380	1	-3.32
5	3.08	nitrate	1058.979	27007153	226813128	1	-2.22
6	4.61	phosphate	18.751	106260	1349720	1	-1.63
7	5.97	sulfate	137.545	2555822	34517822	1	-3.50
8	7.89	oxalate	109.511	1164230	21067258	1	-2.67
		Totals	1596.108	45588524	359045533		

File: 96022001.D06 Sample: S95T003694 DUP



BEST AVAILABLE COPY

Sample Name: S95T003694 SPIKE Date: 02/20/1996 10:50:35
Data File : C:\DX\DATA\96022001.D07
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 7 Detector: CDM-2
Analyst : [illegible] 2/20/96 Column: AG4A/AS4A anion column

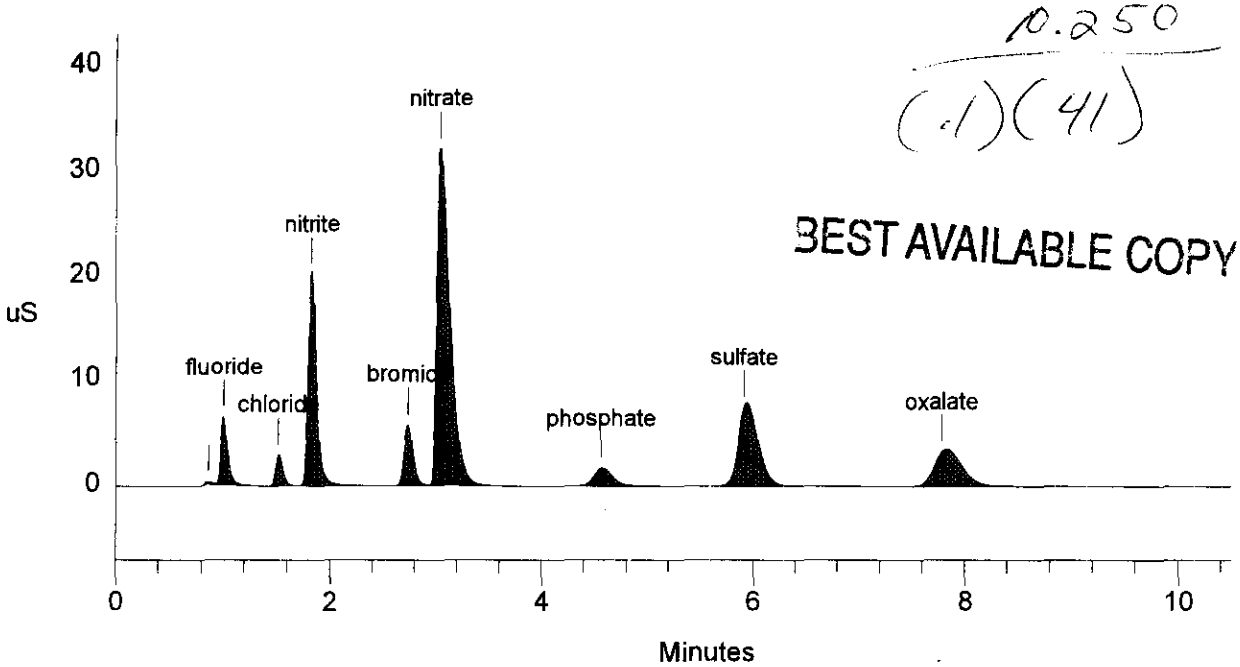
Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	261217	1120922	2	
2	1.01	fluoride	54.591	6419313	28984645	2	-0.33
3	1.52	chloride	44.571	2970997	14641200	1	-3.18
4	1.83	nitrite	457.405	20200282	110096422	1	-4.36
5	2.74	bromide	221.952	5753274	33906731	1	-2.84
6	3.05	nitrate	1270.406	32103976	276333338	1	-3.28
7	4.56	phosphate	223.886	1702708	21927658	1	-2.77
8	5.92	sulfate	389.258	7463752	102930854	1	-4.36
9	7.79	oxalate	328.691	3298922	64094226	1	-3.99
		Totals	2990.759	80174439	654035995		

File: 96022001.D07 Sample: S95T003694 SPIKE

$\frac{10.250}{(.1)(41)} = 2.5$



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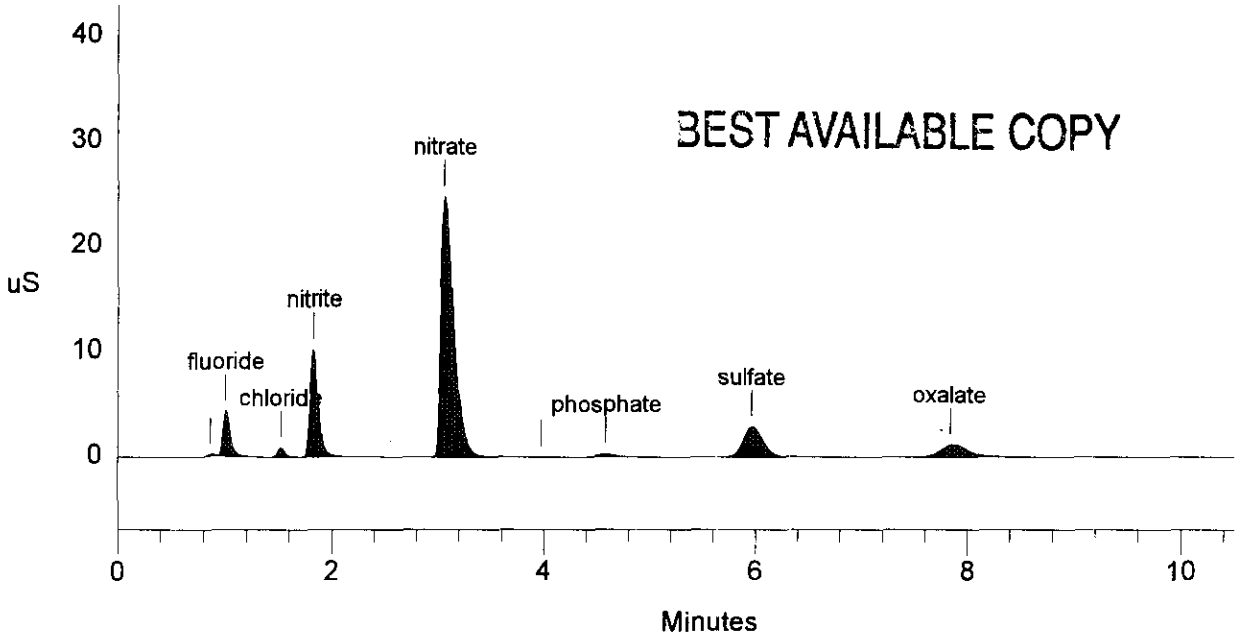
Sample Name: S95T003695 Date: 02/20/1996 11:11:22
Data File : C:\DX\DATA\96022001.D08
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. I
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	181729	799007	2	
2	1.01	fluoride	38.856	4278345	20486015	2	-0.33
3	1.52	chloride	13.591	901220	4334440	1	-3.18
4	1.83	nitrite	226.678	10199407	53574308	1	-4.36
5	3.07	nitrate	974.537	24744526	207441326	1	-2.65
6	3.97		0.000	6297	49394	1	
7	4.59	phosphate	42.055	277386	3656570	1	-2.20
8	5.97	sulfate	149.016	2874348	37584012	1	-3.50
9	7.84	oxalate	114.358	1155684	22012218	1	-3.33
		Totals	1559.091	44618943	349937290		

File: 96022001.D08 Sample: S95T003695



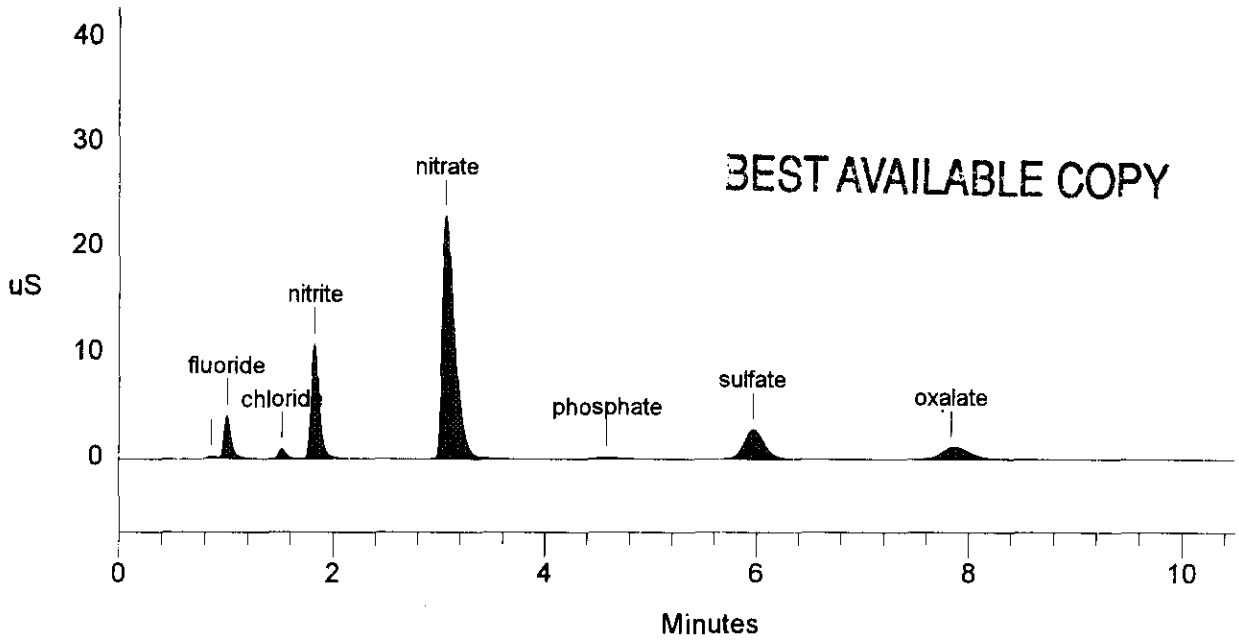
Sample Name: S95T003695 DUP Date: 02/20/1996 11:34:08
Data File : C:\DX\DATA\96022011.D09
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-2
Analyst : Yoel Mt 3/4/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	202546	971943	2	
2	1.01	fluoride	35.822	4057247	18850951	2	-0.33
3	1.52	chloride	14.139	942163	4514980	1	-3.18
4	1.83	nitrite	241.525	10857895	57198296	1	-4.36
5	3.07	nitrate	888.011	23022503	187820002	1	-2.65
6	4.59	phosphate	29.246	179806	2387648	1	-2.20
7	5.97	sulfate	147.145	2835994	37083434	1	-3.50
8	7.84	oxalate	112.385	1123204	21627486	1	-3.33
		Totals	1468.272	43221357	330454740		

File: 96022011.D09 Sample: S95T003695 DUP



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LABCORE Completed Worklist Report for Worklist# 4683

Analyst: rwk **Instrument:** IC01 **Book#** 122N9-E

Method: LA-533-700 Rev/Mod D-1

Worklist Comment: BY-104 FOR IC 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		2.42e-01	0.240	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		5.48e+01	92.880	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.36e+01	93.160	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534		5.11e+02	95.690	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.51e+02	95.830	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.98e+02	97.390	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.29e+02	96.890	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.16e+02	97.620	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526		5.17e+02	98.290	% 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		8.51e-01	0.850	ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		2.27e-01	0.230	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.20e-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	S95T003696	W	0	@IC-01	F-02	SOLID	N/A		7.372e+03	225.500	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	CL-02	SOLID	N/A		3.041e+03	294.800	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	NO2-02	SOLID	N/A		4.844e+04	1.856e+003	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	BR-02	SOLID	N/A	<	2.185e+03	2.185e+003	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	NO3-02	SOLID	N/A		1.310e+05	2.427e+003	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	PO4-02	SOLID	N/A		5.252e+03	2.080e+003	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	SO4-02	SOLID	N/A		2.990e+04	2.357e+003	ug/g
4	SAMPLE	S95T003696	W	0	@IC-01	OXALATE2	SOLID	N/A		2.495e+04	1.821e+003	ug/g
5	DUP	S95T003696	W	0	@IC-01	F-02	SOLID	7.37e+03		7.62e+03	3.340	RPD
5	DUP	S95T003696	W	0	@IC-01	CL-02	SOLID	3.04e+03		2.98e+03	1.990	RPD
5	DUP	S95T003696	W	0	@IC-01	NO2-02	SOLID	4.84e+04		4.73e+04	2.300	RPD
5	DUP	S95T003696	W	0	@IC-01	BR-02	SOLID	<2.18e3		<2.30e3		RPD
5	DUP	S95T003696	W	0	@IC-01	NO3-02	SOLID	1.31e+05		1.44e+05	9.450	RPD
5	DUP	S95T003696	W	0	@IC-01	PO4-02	SOLID	5.25e+03		5.58e+03	6.090	RPD
5	DUP	S95T003696	W	0	@IC-01	SO4-02	SOLID	2.99e+04		3.15e+04	5.210	RPD
5	DUP	S95T003696	W	0	@IC-01	OXALATE2	SOLID	2.50e+04		2.69e+04	7.320	RPD
6	SAMPLE	S95T003697	W	0	@IC-01	F-02	SOLID	N/A		3.942e+03	234.400	ug/g

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

LABCORE Completed Worklist Report for Worklist# 4683

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SAMPLE	S95T003697	0	W	@IC-01	CL-02	SOLID	N/A		2.368e+03	306.600	ug/g
6	SAMPLE	S95T003697	0	W	@IC-01	NO2-02	SOLID	N/A		3.642e+04	1.930e+003	ug/g
6	SAMPLE	S95T003697	0	W	@IC-01	BR-02	SOLID	N/A	<	2.272e+03	2.272e+003	ug/g
6	SAMPLE	S95T003697	0	W	@IC-01	NO3-02	SOLID	N/A		2.457e+05	2.523e+003	ug/g
6	SAMPLE	S95T003697	0	W	@IC-01	PO4-02	SOLID	N/A		5.189e+03	2.163e+003	ug/g
6	SAMPLE	S95T003697	0	W	@IC-01	SO4-02	SOLID	N/A		2.036e+04	2.451e+003	ug/g
6	SAMPLE	S95T003697	0	W	@IC-01	OXALATE2	SOLID	N/A		3.975e+03	1.894e+003	ug/g
7	DUP	S95T003697	0	W	@IC-01	F-02	SOLID	3.94e+03		4.52e+03	13.710	RPD
7	DUP	S95T003697	0	W	@IC-01	CL-02	SOLID	2.37e+03		2.99e+03	23.130	RPD
7	DUP	S95T003697	0	W	@IC-01	NO2-02	SOLID	3.64e+04		4.52e+04	21.570	RPD
7	DUP	S95T003697	0	W	@IC-01	BR-02	SOLID	<2.27e3		<2.27e3		RPD
7	DUP	S95T003697	0	W	@IC-01	NO3-02	SOLID	2.46e+05		1.10e+05	76.400	RPD
7	DUP	S95T003697	0	W	@IC-01	PO4-02	SOLID	5.19e+03		7.77e+03	39.810	RPD
7	DUP	S95T003697	0	W	@IC-01	SO4-02	SOLID	2.04e+04		2.17e+04	6.180	RPD
7	DUP	S95T003697	0	W	@IC-01	OXALATE2	SOLID	3.98e+03		4.62e+03	14.880	RPD

Final page for worklist# 4683

Analyst Signature **Date**

Analyst Signature **Date**

Jason Tuyo 2/28/96

Reviewer Signature **Date**

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

96021801. D41-7D47

LABCORE Data Entry Template for Worklist# 4683

Analyst: RK **Instrument:** IC01 _____ **Book#** 12219-E

Method: LA-533-105 **Rev/Mod** 0-1

Worklist Comment: BY-104 FOR IC RTS

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	S95T003696	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003696	0	W	@IC-01	SOLID		
6	SAMPLE	S95T003697	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
7	DUP	S95T003697	0	W	@IC-01	SOLID		

Final page for worklist # 4683

Rob King 2/18/96
Analyst Signature **Date**

Analyst Signature **Date**

Tr Shell Sr. Tech
Uploaded

Data Entry Comments:

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 28-Feb-96

Worklist#: 4683

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003696
=>	5	DUP	S95T003696
=>	6	SAMPLE	S95T003697
=>	7	DUP	S95T003697

Data File: 4683FEB.CSV

Seq#	Data File	Sample Name		Dilution
1	96021801.d41	INSTRA BLK		1.00
3	96021801.d42	PREP BLK		1.00
2	96021801.d43	122N9-E		101.00
4	96021801.d44	S95T003696		101.00
5	96021801.d45	S95T003696	DU	101.00
6	96021801.d46	S95T003697		101.00
7	96021801.d47	S95T003697	DUP	101.00

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

Data Reprocessed On 02/26/1996 16:06:56

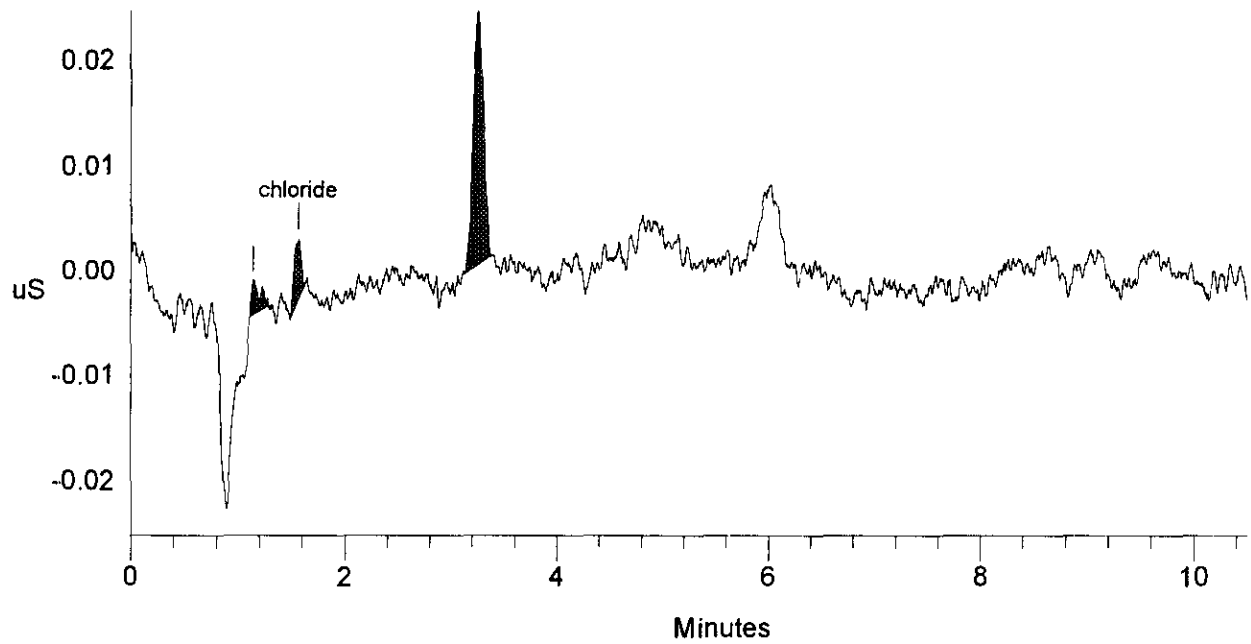
Sample Name: INSTRA BLK Date: 02/18/1996 08:51:23
Data File : C:\DX\DATA\96021801.d41 WHC-SD-WM-DP-164, REV. I
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 41 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.57	chloride	0.012	5773	27372	1	-0.21
3	3.25	nitrate	0.242	24080	164172	1	3.28
		Totals	0.254	29853	191544		

File: 96021801.d41 Sample: INSTRA BLK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 536 TO 544.

Data Reprocessed On 02/26/1996 16:06:58

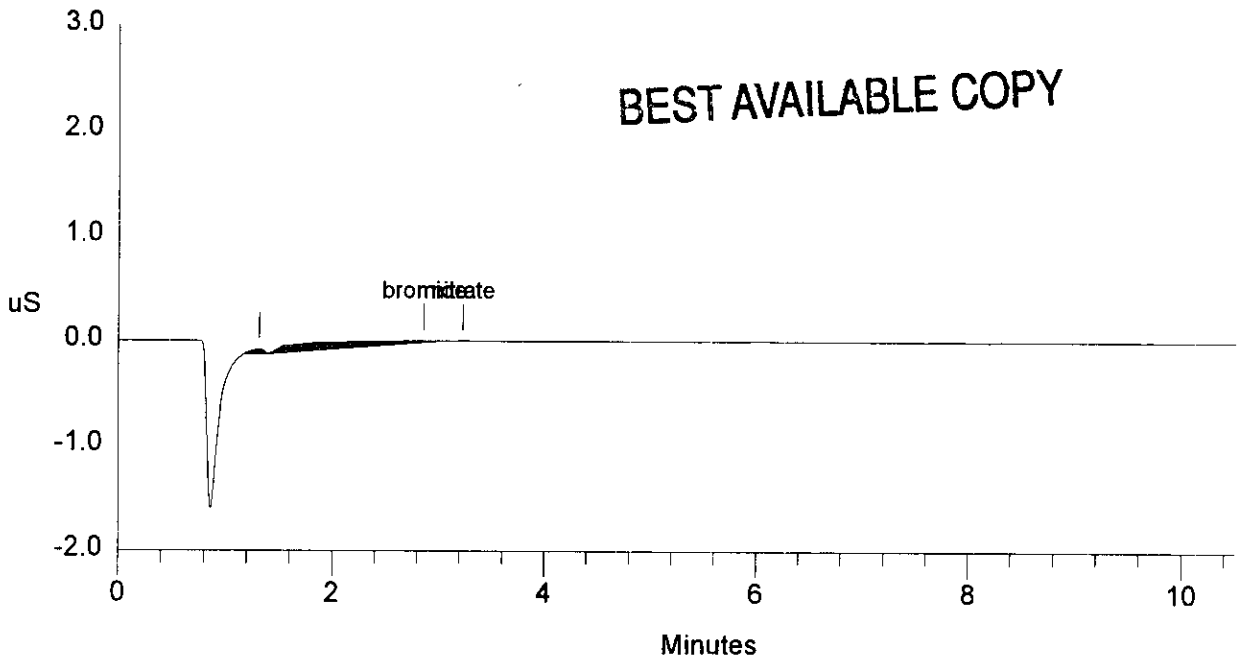
Sample Name: PREP BLK Date: 02/18/1996 09:05:51
Data File : C:\DX\DATA\96021801.d42 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 42 Detector:CDM-2
Analyst : N. Smith 2/27/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.31		0.000	46102	368688	1	
2	2.86	bromide	0.851	14269	4334233	1	1.42
3	3.23	nitrate	0.227	6570	36792	1	2.43
		Totals	1.077	66940	4739713		

File: 96021801.d42 Sample: PREP BLK



BEST AVAILABLE COPY

Data Reprocessed On 02/26/1996 16:07:01

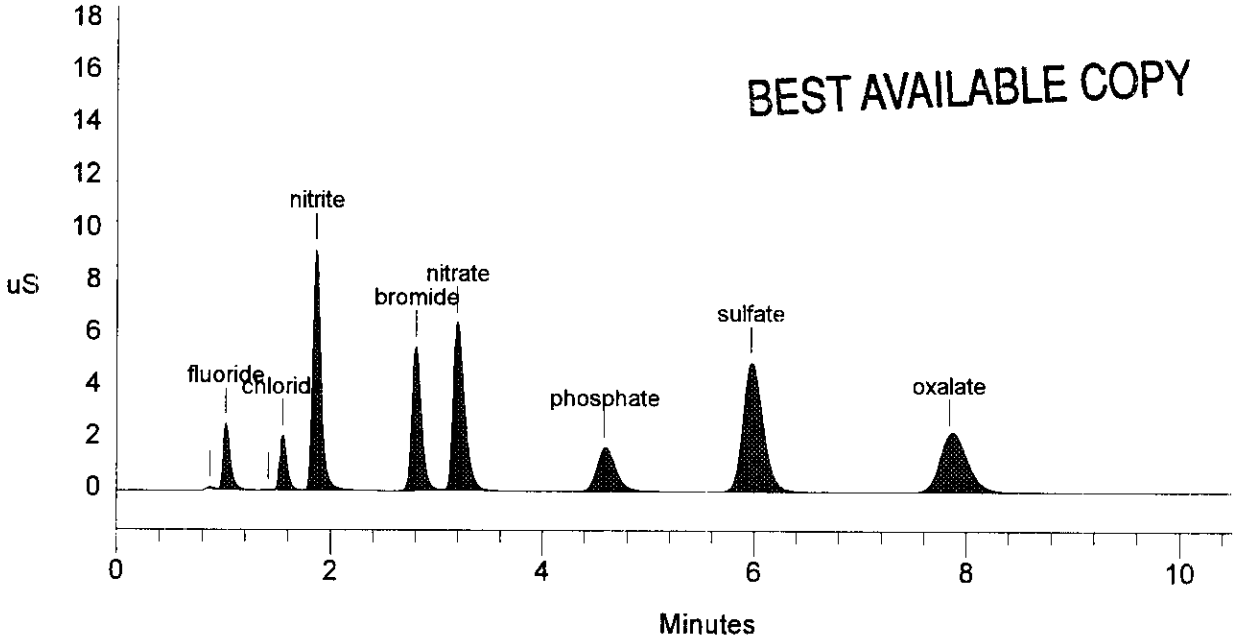
Sample Name: 122N9-E Date: 02/18/1996 10:22:24
Data File : C:\DX\DATA\96021801.d43
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 43 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	76351	313852	2	
2	1.02	fluoride	54.763	2506573	11542285	2	0.99
3	1.42		0.000	14973	66182	1	
4	1.55	chloride	73.614	2072893	9732600	1	-1.06
5	1.87	nitrite	510.502	9205312	48831092	1	-2.27
6	2.81	bromide	550.806	5503338	34170246	1	-0.47
7	3.19	nitrate	598.014	6419260	48062906	1	1.38
8	4.59	phosphate	529.001	1652675	20997060	1	-2.20
9	5.97	sulfate	616.435	4921074	64849504	1	-3.50
10	7.84	oxalate	516.752	2169434	40672346	1	-3.33
		Totals	3449.888	34541882	279238073		

File: 96021801.d43 Sample: 122N9-E



BEST AVAILABLE COPY

Data Reprocessed On 02/26/1996 16:07:03

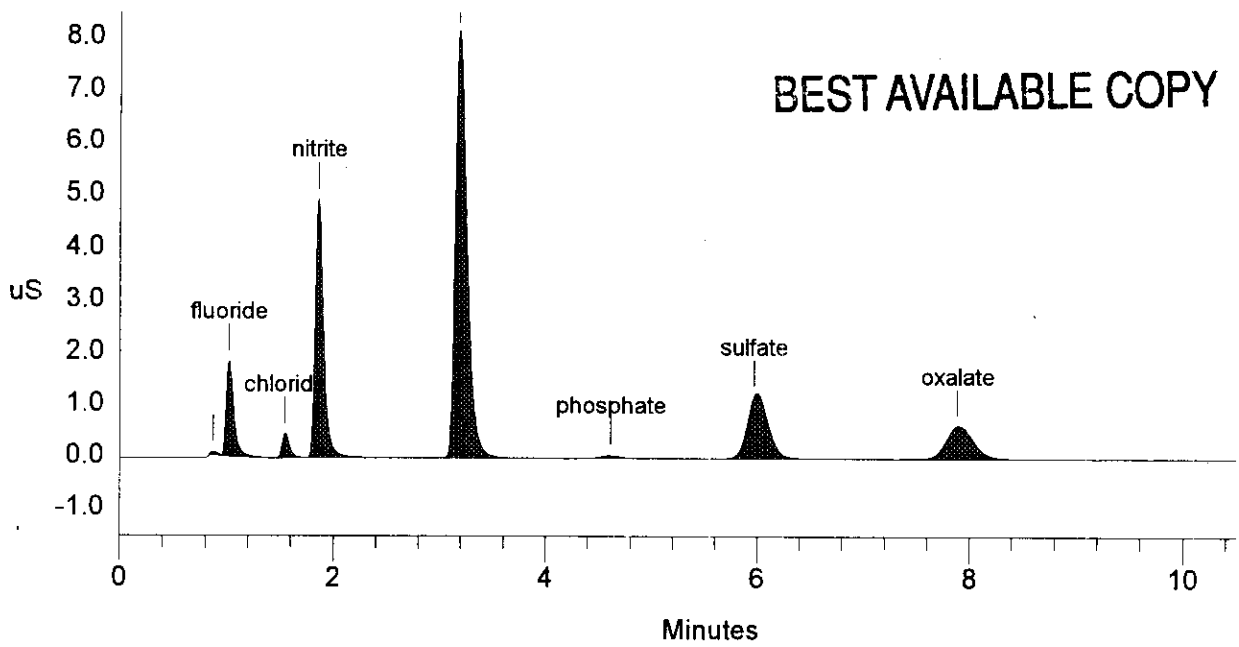
Sample Name: S95T003696	Date: 02/18/1996 10:37:44
Data File : C:\DX\DATA\96021801.d44	WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 44	Detector:CDM-2
Analyst : [illegible] 3/1/96 Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	71230	310826	2	
2	1.02	fluoride	42.926	1826452	8964292	2	0.99
3	1.55	chloride	17.710	466097	2226234	1	-1.49
4	1.86	nitrite	282.083	4921702	26254314	1	-2.62
5	3.18	nitrate	762.683	8107410	62045968	1	0.95
6	4.61	phosphate	30.585	55645	723906	1	-1.63
7	5.97	sulfate	174.108	1182876	16737252	1	-3.50
8	7.89	oxalate	145.277	627100	11233478	1	-2.67
		Totals	1455.373	17258514	128496270		

File: 96021801.d44 Sample: S95T003696



BEST AVAILABLE COPY

Data Reprocessed On 02/26/1996 16:07:05

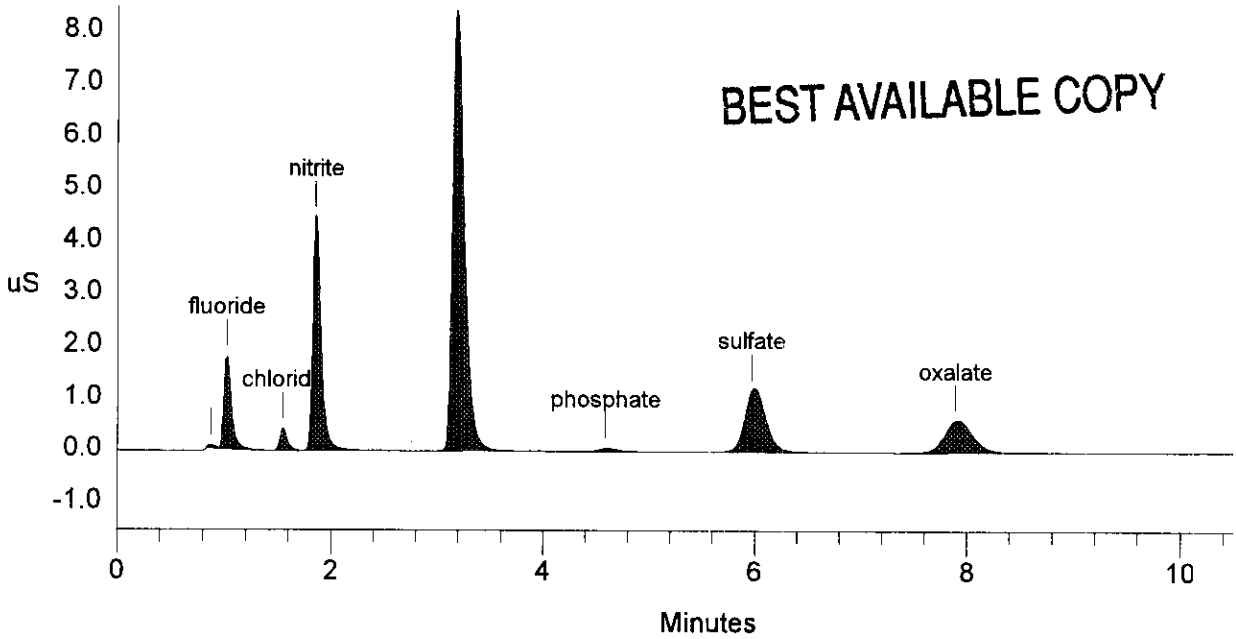
Sample Name: S95T003696 DUP Date: 02/18/1996 10:56:17
Data File : C:\DX\DATA\96021801.d45 WHC-SD-WM-DP-164, REV. I
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 45 Detector:CDM-2
Analyst : M. Smith 3/7/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	67948	302864	2	
2	1.02	fluoride	42.190	1777914	8804156	2	0.99
3	1.55	chloride	16.514	432076	2066726	1	-1.49
4	1.85	nitrite	261.866	4455093	24259508	1	-2.97
5	3.18	nitrate	796.377	8410208	64920266	1	0.95
6	4.59	phosphate	30.807	53739	732796	1	-2.20
7	5.97	sulfate	174.557	1177889	16785402	1	-3.50
8	7.89	oxalate	149.130	604028	11537318	1	-2.67
		Totals	1471.441	16978895	129409036		

File: 96021801.d45 Sample: S95T003696 DUP



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Data Reprocessed On 02/26/1996 16:07:08

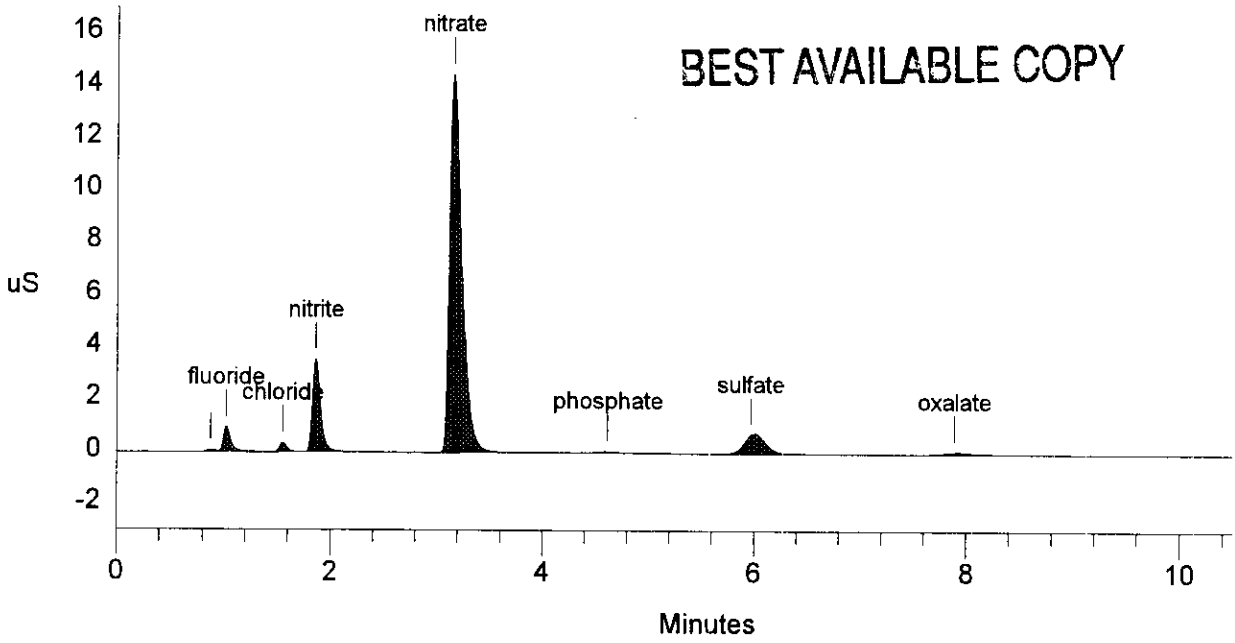
Sample Name: S95T003697 Date: 02/18/1996 11:10:04
Data File : C:\DX\DATA\96021801.d46
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. I
ACI Address: 1 System: 1 Inject#: 46 Detector:CDM-2
Analyst : N. Smith 3/7/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	51498	247125	2	
2	1.02	fluoride	22.077	936832	4430832	2	0.99
3	1.55	chloride	13.258	355690	1632502	1	-1.06
4	1.86	nitrite	203.956	3548575	18548462	1	-2.62
5	3.15	nitrate	1375.670	14443268	115064630	1	0.11
6	4.61	phosphate	29.061	63032	662796	1	-1.63
7	5.97	sulfate	114.003	703181	10288502	1	-3.50
8	7.89	oxalate	22.261	79764	1547636	1	-2.67
		Totals	1780.285	20181841	152422485		

File: 96021801.d46 Sample: S95T003697



Data Reprocessed On 02/26/1996 16:07:10

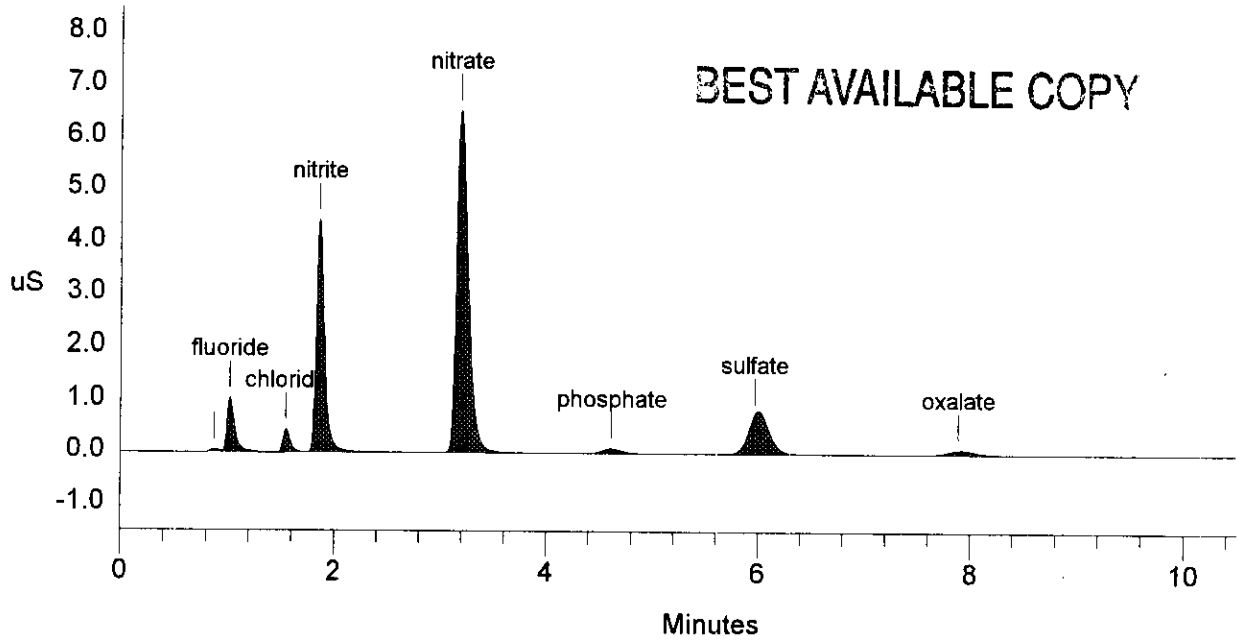
Sample Name: S95T003697 DUP
Date: 02/18/1996 11:24:13
Data File : C:\DX\DATA\96021801.d47
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 47
Detector:CDM-2
Analyst : [illegible] 3/7/96
Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	40067	184413	2	
2	1.02	fluoride	25.220	1023323	5113718	2	0.99
3	1.55	chloride	16.750	440432	2098148	1	-1.49
4	1.86	nitrite	252.851	4413246	23370148	1	-2.62
5	3.19	nitrate	617.510	6520166	49712858	1	1.16
6	4.61	phosphate	43.508	96362	1242054	1	-1.63
7	5.97	sulfate	121.272	753265	11067350	1	-3.50
8	7.89	oxalate	25.882	89874	1832300	1	-2.67
		Totals	1102.992	13376735	94620989		

File: 96021801.d47 Sample: S95T003697 DUP



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LABCORE Completed Worklist Report for Worklist# 4684

Analyst: wgb **Instrument:** IC01 **Book#** 122N9E

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

Worklist Comment: BY-104 FOR IC 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	2.64e-01	0.260	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	5.41e+01	91.690	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.12e+01	90.130	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	4.94e+02	92.510	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.44e+02	94.610	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	5.94e+02	96.740	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.13e+02	93.960	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.10e+02	96.670	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	5.03e+02	95.630	% 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	2.31e-01	0.230	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-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	S95T003698	W	0	@IC-01	F-02	SOLID	N/A	2.083e+03	208.900	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	CL-02	SOLID	N/A	2.145e+03	273.200	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	NO2-02	SOLID	N/A	3.680e+04	1.720e+003	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	BR-02	SOLID	N/A	2.025e+03	2.025e+003	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	NO3-02	SOLID	N/A	9.265e+04	2.248e+003	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	PO4-02	SOLID	N/A	4.902e+03	1.927e+003	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	SO4-02	SOLID	N/A	1.190e+04	2.184e+003	ug/g
4	SAMPLE	S95T003698	W	0	@IC-01	OXALATE2	SOLID	N/A	2.705e+03	1.688e+003	ug/g
5	DUP	S95T003698	W	0	@IC-01	F-02	SOLID	2.08e+03	2.25e+03	7.850	RPD
5	DUP	S95T003698	W	0	@IC-01	CL-02	SOLID	2.14e+03	2.78e+03	26.020	RPD
5	DUP	S95T003698	W	0	@IC-01	NO2-02	SOLID	3.68e+04	4.13e+04	11.520	RPD
5	DUP	S95T003698	W	0	@IC-01	BR-02	SOLID	<2.02e3	<2.10e3		RPD
5	DUP	S95T003698	W	0	@IC-01	NO3-02	SOLID	9.26e+04	8.94e+04	3.520	RPD
5	DUP	S95T003698	W	0	@IC-01	PO4-02	SOLID	4.90e+03	6.60e+03	29.570	RPD
5	DUP	S95T003698	W	0	@IC-01	SO4-02	SOLID	1.19e+04	1.66e+04	32.980	RPD
5	DUP	S95T003698	W	0	@IC-01	OXALATE2	SOLID	2.70e+03	4.41e+03	48.100	RPD
6	SPK	S95T003698	W	0	@IC-01	F-02	SOLID	59	54.468	92.320	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 4684

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S95T003698	0	W	@IC-01	CL-02	SOLID	79		73.570	93.130	% Recovery
6	SPK	S95T003698	0	W	@IC-01	NO2-02	SOLID	534		550.403	103.070	% Recovery
6	SPK	S95T003698	0	W	@IC-01	BR-02	SOLID	575		555.000	96.520	% Recovery
6	SPK	S95T003698	0	W	@IC-01	NO3-02	SOLID	614		694.098	113.050	% Recovery
6	SPK	S95T003698	0	W	@IC-01	PO4-02	SOLID	546		503.735	92.260	% Recovery
6	SPK	S95T003698	0	W	@IC-01	SO4-02	SOLID	631		596.592	94.550	% Recovery
6	SPK	S95T003698	0	W	@IC-01	OXALATE2	SOLID	526		510.247	97.010	% Recovery
7	SAMPLE	S95T003699	0	W	@IC-01	F-02	SOLID	N/A		9.213e+02	93.230	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	CL-02	SOLID	N/A		2.763e+03	121.900	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	NO2-02	SOLID	N/A		5.011e+04	767.500	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	BR-02	SOLID	N/A	<	9.038e+02	903.800	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	NO3-02	SOLID	N/A		1.167e+05	1.003e+003	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	PO4-02	SOLID	N/A		1.045e+04	860.000	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	SO4-02	SOLID	N/A		3.034e+03	974.800	ug/g
7	SAMPLE	S95T003699	0	W	@IC-01	OXALATE2	SOLID	N/A		2.767e+03	753.100	ug/g
8	DUP	S95T003699	0	W	@IC-01	F-02	SOLID	9.21e+02		1.07e+03	14.970	RPD
8	DUP	S95T003699	0	W	@IC-01	CL-02	SOLID	2.76e+03		3.96e+03	35.710	RPD
8	DUP	S95T003699	0	W	@IC-01	NO2-02	SOLID	5.01e+04		4.59e+04	8.750	RPD
8	DUP	S95T003699	0	W	@IC-01	BR-02	SOLID	<9.04e2		<8.88e2		RPD
8	DUP	S95T003699	0	W	@IC-01	NO3-02	SOLID	1.17e+05		1.07e+05	8.930	RPD
8	DUP	S95T003699	0	W	@IC-01	PO4-02	SOLID	1.04e+04		1.17e+04	11.760	RPD
8	DUP	S95T003699	0	W	@IC-01	SO4-02	SOLID	3.03e+03		9.44e+03	102.810	RPD
8	DUP	S95T003699	0	W	@IC-01	OXALATE2	SOLID	2.77e+03		4.70e+03	51.670	RPD

Comments Section:

Comments for sample# S95T003698 **and test** @IC-01 .
DUPS poor try reprep or rehomogenize.

Comments for sample# S95T003699 **and test** @IC-01 .
xDUPS poor try reprep or rehomogenize.

Final page for worklist# 4684

Analyst Signature **Date**

Analyst Signature **Date**

Janice M. Fuge 3/6/96
Reviewer Signature **Date**

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

LABCORE Data Entry Template for Worklist# 4684

Analyst: WGB **Instrument:** IC01 _____ **Book#** 122N9-E

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

Worklist Comment: BY-104 FOR IC RTS WHC-SD-WM-DP-164, REV. 1

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	S95T003698	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
5	DUP	S95T003698	0	W	@IC-01	SOLID		
6	SPK	S95T003698	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003699	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
8	DUP	S95T003699	0	W	@IC-01	SOLID		

Final page for worklist # 4684

Wayne Bushardt 2-19-96
Analyst Signature **Date**

Analyst Signature **Date**

In Shell
Uploaded 3/6/96 Jann Tuge

Data Entry Comments:

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

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

Worklist#: 4684

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S95T003698
	=>	5	DUP	S95T003698
	=>	6	SPK	S95T003698
	=>	7	SAMPLE	S95T003699
	=>	8	DUP	S95T003699
+				

Data File: 4684FEB.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96021801.d10	CCB INST. BLANK	1.00
	2	96021801.d11	CCV STANDARD 122	101.00
		96021801.d12	PREP-BLANK	1.00
		96021801.d13	S95T003796-SAMPL	101.00
	3	96021801.d14	PRE-BLANK	1.00
		96021801.d15	S95T003698-SAMPL	101.00
	4	96021801.d16	S95T003698-SAMPL	41.00
	5	96021801.d17	S95T003698-DUP.	41.00
	6	96021801.d18	S95T003698-SPIKE	41.00
	7	96021801.d19	S95T003699-SAMPL	41.00
	8	96021801.d20	S95T003699-DUP.	41.00
+				

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 27-Feb-96

Worklist#: 4684

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003698
=>	5	DUP	S95T003698
=>	6	SPK	S95T003698
=>	7	SAMPLE	S95T003699
=>	8	DUP	S95T003699

Data File: 4684FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96021801.d10	CCB INST. BLANK	1.00
2	96021801.d11	CCV STANDARD 122	101.00
3	96021801.d12	PREP-BLANK	1.00
	96021801.d13	S95T003796-SAMPL	101.00
	96021801.d14	PRE-BLANK	1.00
	96021801.d15	S95T003698-SAMPL	101.00
4	96021801.d16	S95T003698-SAMPL	41.00
5	96021801.d17	S95T003698-DUP.	41.00
6	96021801.d18	S95T003698-SPIKE	41.00
7	96021801.d19	S95T003699-SAMPL	41.00
8	96021801.d20	S95T003699-DUP.	41.00

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

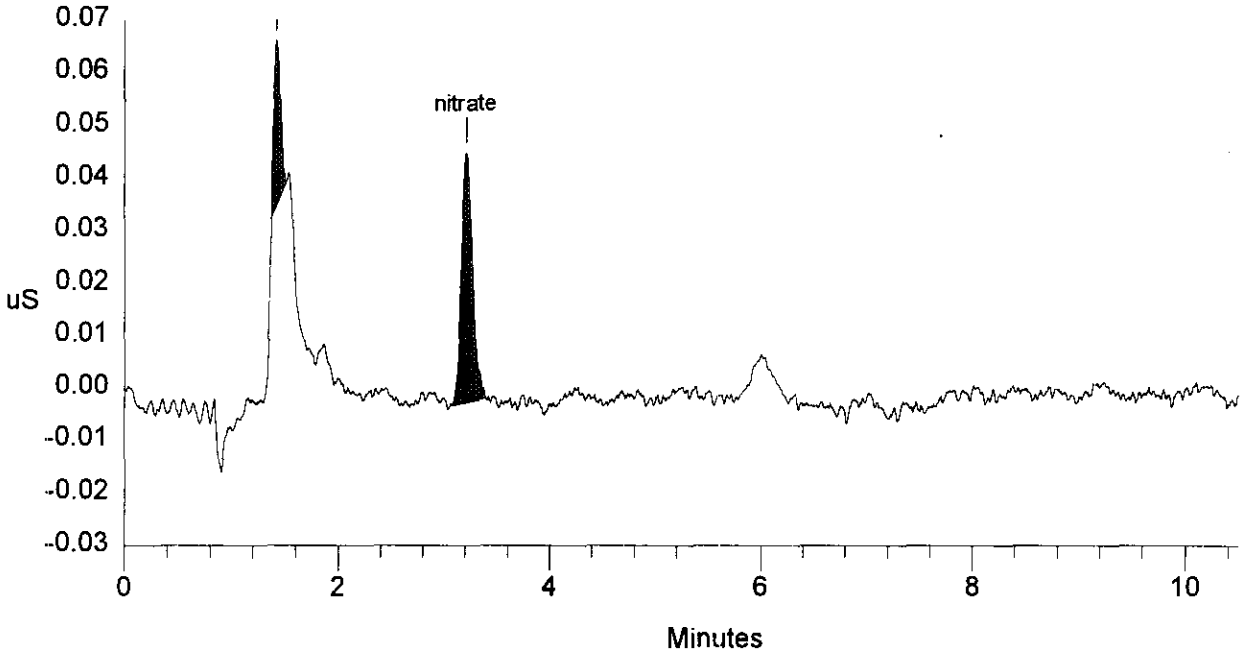
Sample Name: CCB INST. BLANK
Date: 02/19/1996 02:16:23
WHC-SD-WM-DP-164, REV. 1
Data File : C:\DX\DATA\96021801.D10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-2
Analyst : Mary M. Burchardt Column: AG4A/AS4A anion column
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.42		0.000	31377	138398	1	
2	3.21	nitrate	0.264	47513	345584	1	1.80
		Totals	0.264	78890	483982		

File: 96021801.D10 Sample: CCB INST. BLANK



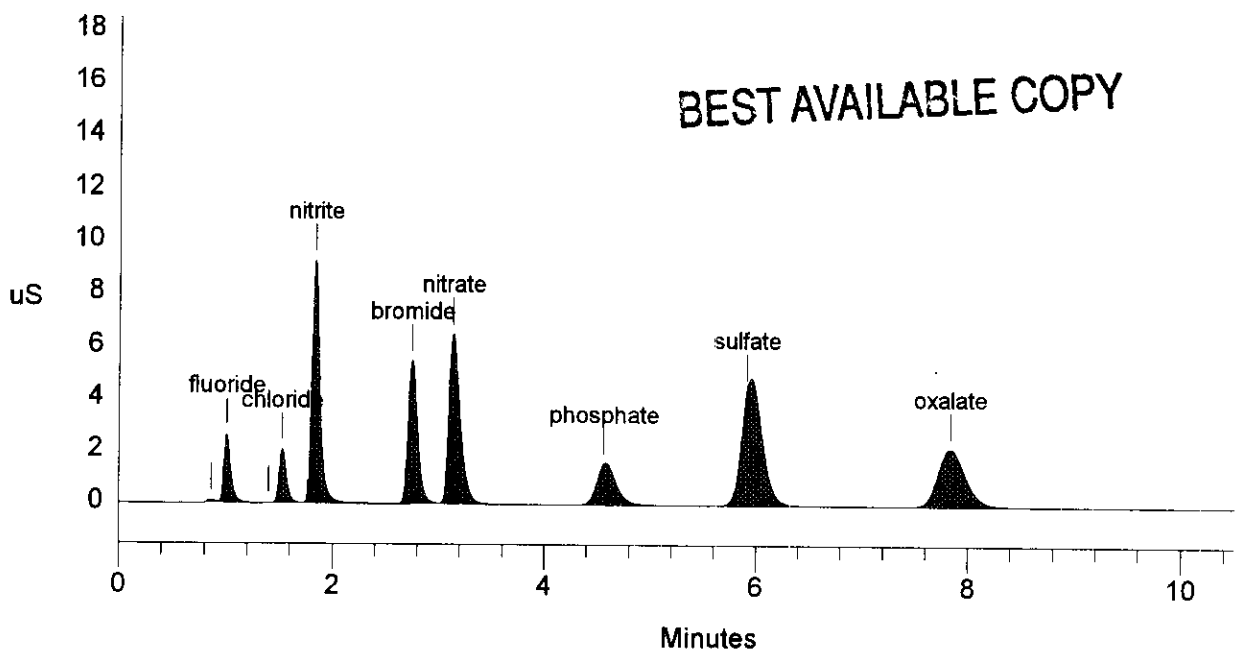
Sample Name: CCV STANDARD 122N9-E
Date: 02/19/1996 02:29:34
Data File : C:\DX\DATA\96021801.D11
WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-2
Analyst : [illegible] Column: AG4A/AS4A anion column
2.19.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	74551	324767	2	
2	1.01	fluoride	54.096	2597066	11396936	2	-0.33
3	1.40		0.000	11902	42536	1	
4	1.53	chloride	71.208	2059154	9407546	1	-2.76
5	1.83	nitrite	493.864	9245887	47184152	1	-4.01
6	2.75	bromide	543.568	5475420	33699032	1	-2.60
7	3.13	nitrate	593.785	6471120	47705132	1	-0.53
8	4.56	phosphate	513.424	1564646	20354274	1	-2.77
9	5.92	sulfate	609.713	4425366	64109492	1	-4.36
10	7.84	oxalate	502.928	2230180	39571650	1	-3.33
		Totals	3382.585	34155292	273795517		

File: 96021801.D11 Sample: CCV STANDARD 122N9-E



BEST AVAILABLE COPY

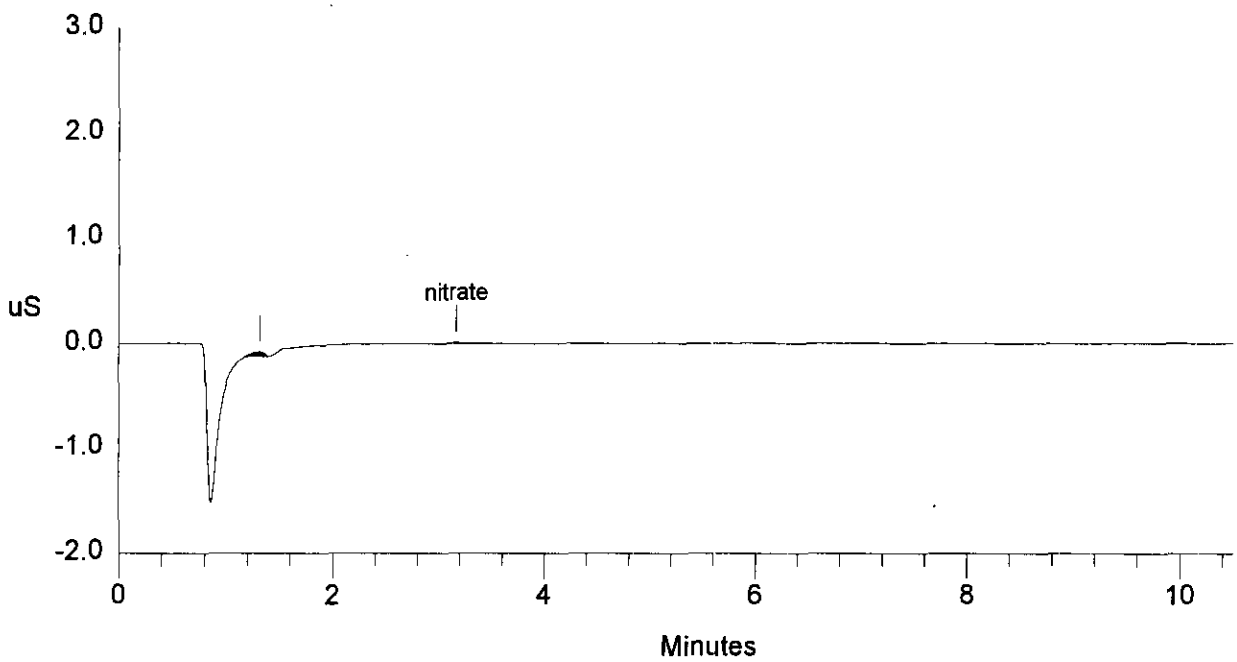
Sample Name: PRE-BLANK Date: 02/19/1996 03:59:28
Data File : C:\DX\DATA\96021801.D14
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. I
ACI Address: 1 System: 1 Inject#: 14 Detector:CDM-2
Analyst : Kay N Burhardt Column: AG4A/AS4A anion column
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.32		0.000	42159	325768	1	
2	3.17	nitrate	0.231	9594	71638	1	0.53
		Totals	0.231	51752	397406		

File: 96021801.D14 Sample: PRE-BLANK



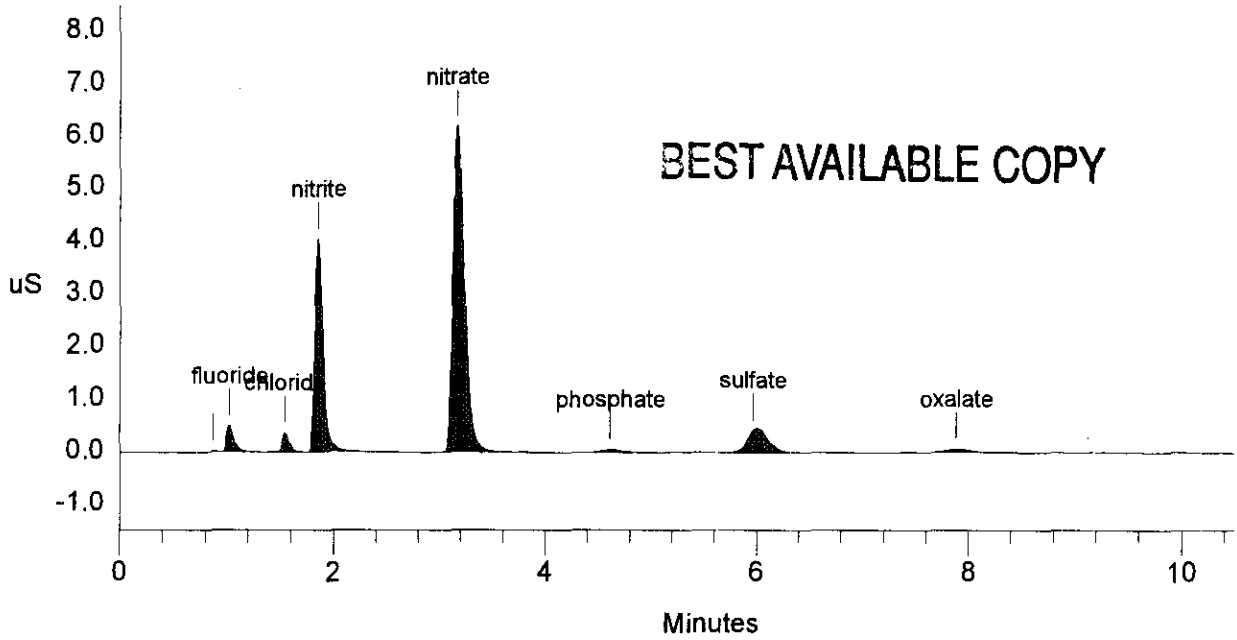
Sample Name: S95T003698-SAMPLE Date: 02/19/1996 04:30:51
Data File : C:\DX\DATA\96021801.D16
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 16 Detector:CDM-2
Analyst : Nancy M Burkett Column: AG4A/AS4A anion column
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	21306	98819	2	
2	1.03	fluoride	5.313	502407	2479411	2	1.65
3	1.55	chloride	5.472	359162	1662196	1	-1.49
4	1.85	nitrite	93.839	4040481	21231262	1	-2.97
5	3.17	nitrate	236.361	6196873	46730196	1	0.53
6	4.61	phosphate	12.506	52735	732826	1	-1.63
7	5.97	sulfate	30.363	409002	6093220	1	-3.50
8	7.89	oxalate	6.901	61048	1134174	1	-2.67
		Totals	390.756	11643013	80162104		

File: 96021801.D16 Sample: S95T003698-SAMPLE



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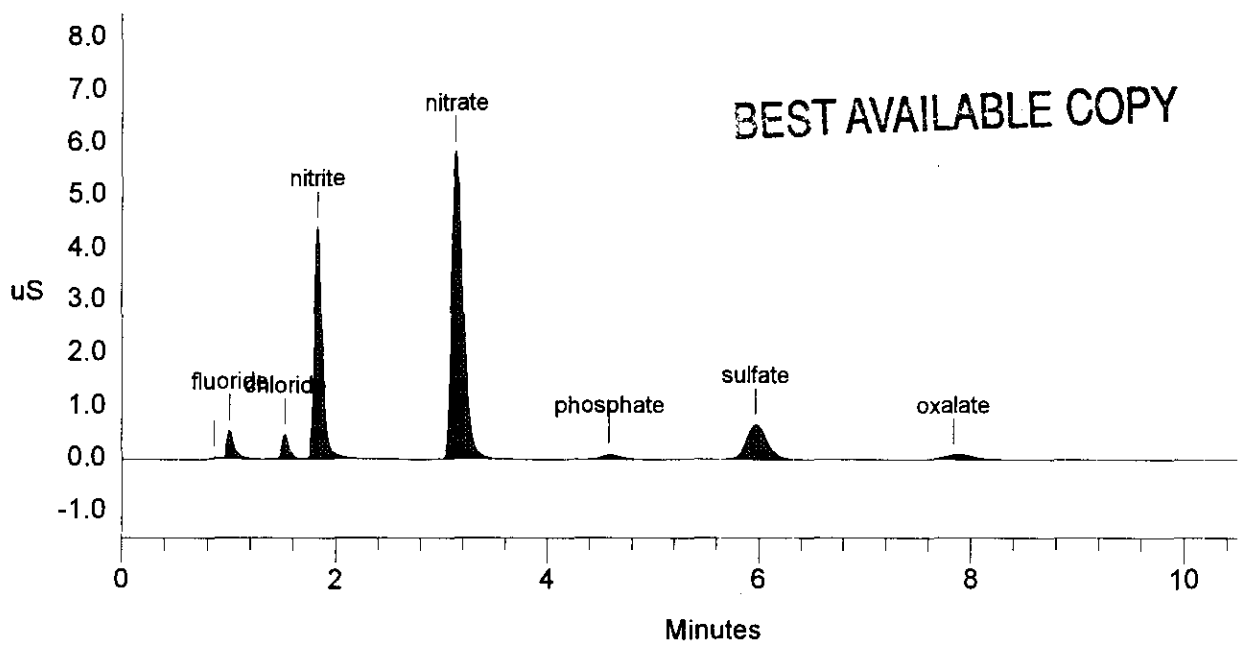
==============================================================================
| Sample Name: S95T003698-DUP.                    Date: 02/19/1996 04:43:46   |
| Data File  : C:\DX\DATA\96021801.D17                                        |
| Method     : C:\DX\METHOD\KIT.MET                WHC-SD-WM-DP-164, REV. 1   |
| ACI Address: 1  System: 1  Inject#: 17                   Detector:CDM-2     |
| Analyst    : Wayne H Burkhardt   Column: AG4A/AS4A anion column            |
==============================================================================
                          2/19/96
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	29496	151956	2	
2	1.01	fluoride	5.533	533866	2596874	2	-0.33
3	1.53	chloride	6.823	462243	2105904	1	-2.76
4	1.83	nitrite	101.302	4392373	23044464	1	-4.36
5	3.13	nitrate	219.482	5838862	43218694	1	-0.53
6	4.59	phosphate	16.206	86261	1098224	1	-2.20
7	5.97	sulfate	40.684	656747	8812820	1	-3.50
8	7.84	oxalate	10.819	94312	1892794	1	-3.33
		Totals	400.849	12094160	82921730		

File: 96021801.D17 Sample: S95T003698-DUP.



BEST AVAILABLE COPY

Sample Name: S95T003698-SPIKE Date: 02/19/1996 05:00:04
Data File : C:\DX\DATA\96021801.D18
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 18 Detector:CDM-2
Analyst : Wayne D. Rutschedt Column: AG4A/AS4A anion column

WHC-SD-WM-DP-164, REV. 1

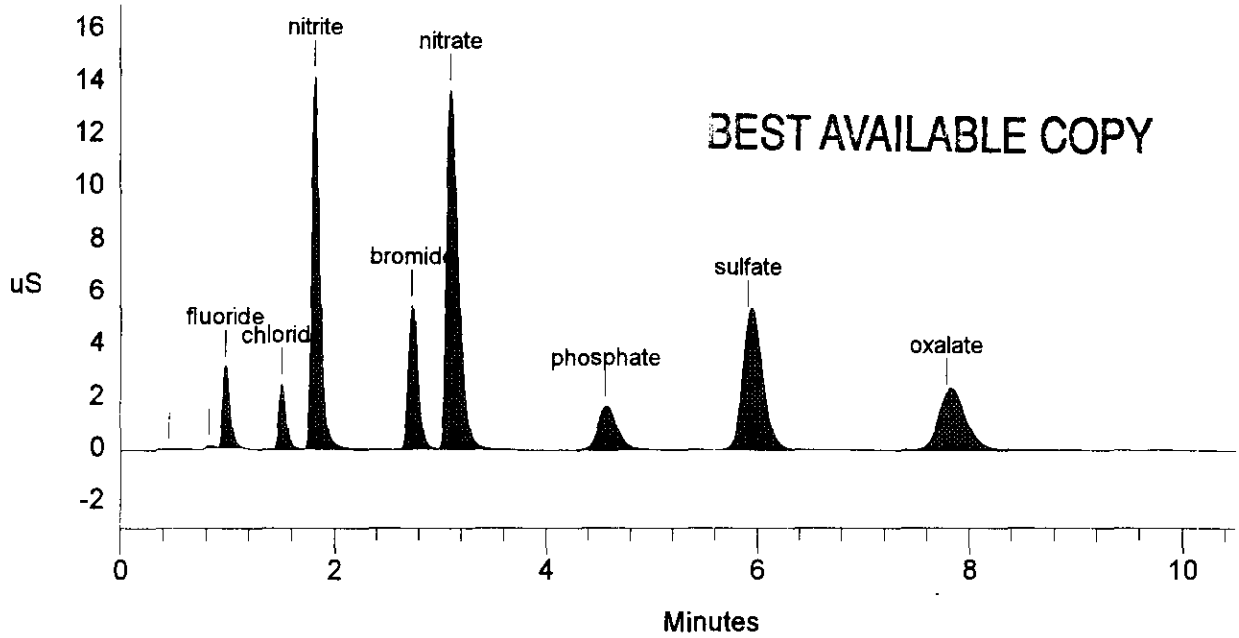
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	36654	389420	1	
2	0.83		0.000	94000	378742	1	
3	0.98	fluoride	27.059	3084411	14135920	1	-2.97
4	1.51	chloride	34.905	2479795	11406470	1	-4.03
5	1.82	nitrite	313.955	14181086	74903072	1	-4.71
6	2.73	bromide	222.280	5453625	33959462	1	-3.07
7	3.10	nitrate	514.015	13625574	105483788	1	-1.59
8	4.56	phosphate	213.521	1623416	20872806	1	-2.77
9	5.92	sulfate	269.204	5068276	70001518	1	-4.36
10	7.79	oxalate	211.061	2093558	40925454	1	-3.99
		Totals	1806.001	47740394	372456652		

File: 96021801.D18 Sample: S95T003698-SPIKE



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Sample Name: S95T003699-SAMPLE Date: 02/19/1996 05:12:30
Data File : C:\DX\DATA\96021801.D19
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 19 Detector:CDM-2
Analyst : Kenneth Buchholt Column: AG4A/AS4A anion column

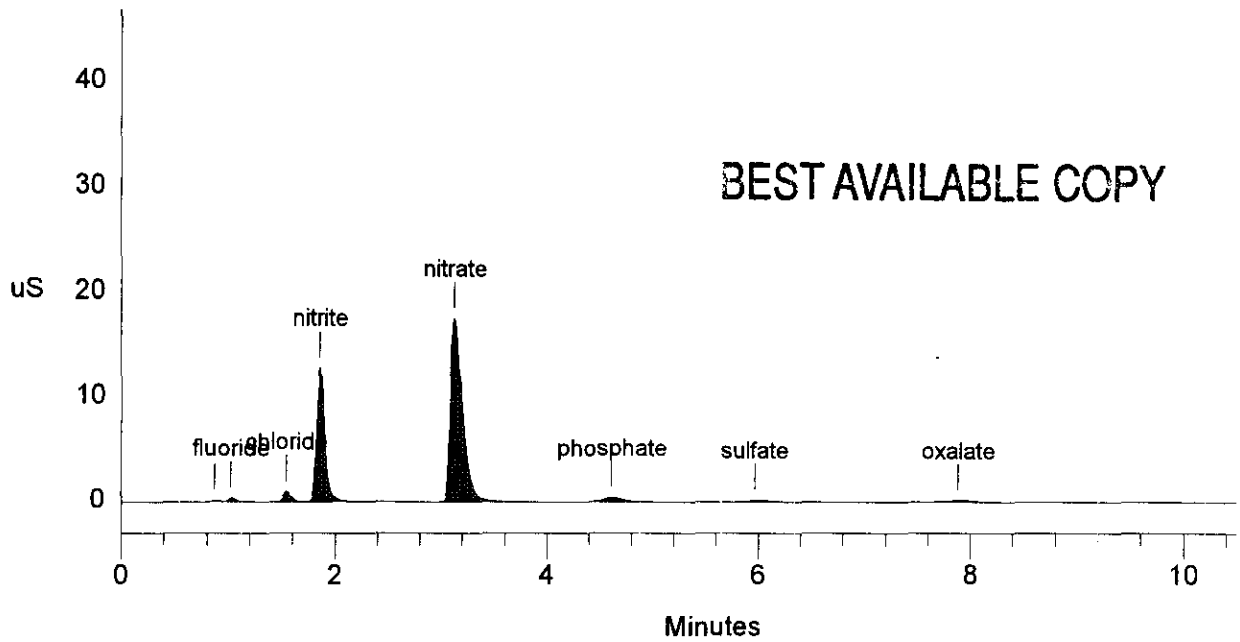
21940

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	135209	720269	2	
2	1.03	fluoride	5.266	410036	2454362	2	1.65
3	1.55	chloride	15.793	1019977	5061210	1	-1.49
4	1.86	nitrite	286.408	12842673	68164406	1	-2.62
5	3.13	nitrate	666.827	17484273	138658868	1	-0.74
6	4.61	phosphate	59.741	419171	5412478	1	-1.63
7	5.97	sulfate	17.343	174205	2667734	1	-3.50
8	7.89	oxalate	15.819	153926	2861418	1	-2.67
		Totals	1067.198	32639470	226000745		

File: 96021801.D19 Sample: S95T003699-SAMPLE



Sample Name: S95T003699-DUP. Date: 02/19/1996 05:25:24
Data File : C:\DX\DATA\96021801.D20 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 20 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

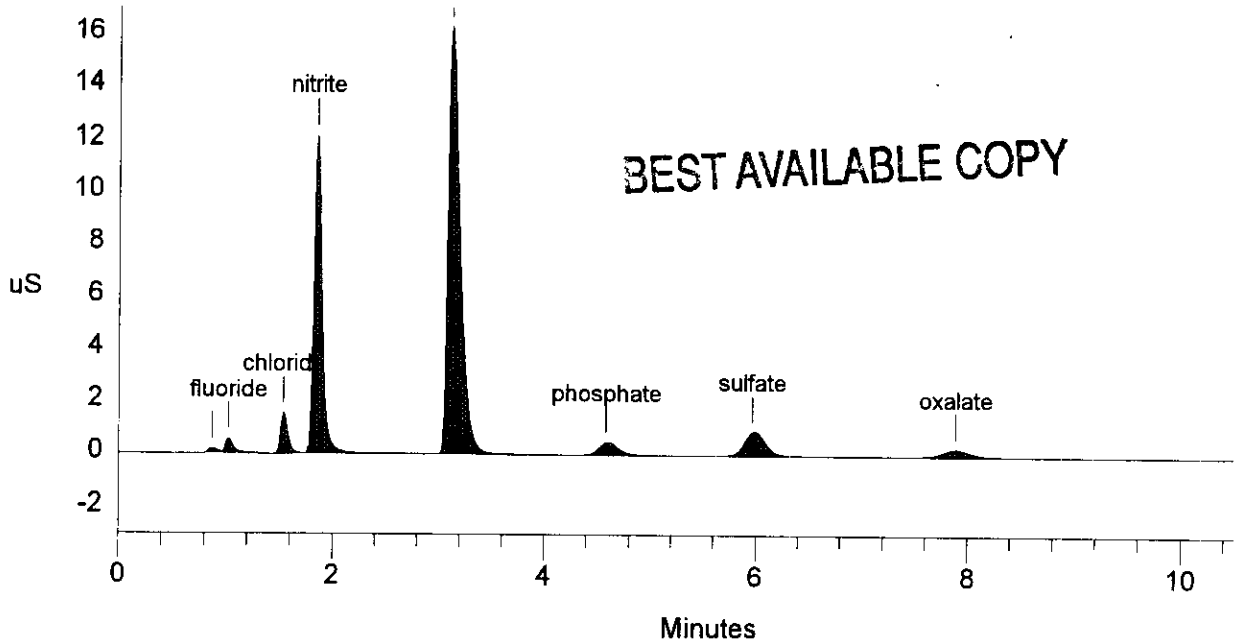
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	139932	724965	2	
2	1.03	fluoride	6.218	532125	2963144	2	1.65
3	1.54	chloride	23.033	1567924	7457102	1	-1.91
4	1.85	nitrite	267.304	12139569	63494732	1	-2.97
5	3.12	nitrate	622.533	16285021	128978708	1	-0.95
6	4.59	phosphate	68.383	474933	6272114	1	-2.20
7	5.97	sulfate	54.934	909063	12573768	1	-3.50
8	7.89	oxalate	27.332	278428	5092570	1	-2.67
		Totals	1069.737	32326994	227557103		

File: 96021801.D20 Sample: S95T003699-DUP.



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LABCORE Completed Worklist Report for Worklist# 4685

Analyst: kgh **Instrument:** IC01 **Book#** 122ND

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

Worklist Comment: BY-104 FOR IC 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		<1.40e-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	59		5.89e+01	99.830	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.53e+01	95.320	% Recovery
2	CCV			0	@IC-QC	NO2	QC	541		5.17e+02	95.560	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.68e+02	98.780	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.99e+02	97.560	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.33e+02	97.620	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.17e+02	97.780	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	539		5.58e+02	103.530	% 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	S95T003704	W	0	@IC-01	F-02	SOLID	N/A		7.929e+03	248.700	ug/g
4	SAMPLE	S95T003704	W	0	@IC-01	CL-02	SOLID	N/A		5.977e+02	325.200	ug/g
4	SAMPLE	S95T003704	W	0	@IC-01	NO2-02	SOLID	N/A		1.511e+04	2.047e+003	ug/g
4	REJECT	S95T003704	W	0	@IC-01	BR-02	SOLID	N/A	<	2.410e+03		ug/g
4	SAMPLE	S95T003704	W	0	@IC-01	NO3-02	SOLID	N/A		4.092e+05	2.678e+003	ug/g
4	SAMPLE	S95T003704	W	0	@IC-01	PO4-02	SOLID	N/A		2.091e+04	2.276e+003	ug/g
4	SAMPLE	S95T003704	W	0	@IC-01	SO4-02	SOLID	N/A		2.546e+04	2.602e+003	ug/g
4	SAMPLE	S95T003704	W	0	@IC-01	OXALATE2	SOLID	N/A		1.675e+04	2.008e+003	ug/g
5	DUP	S95T003704	W	0	@IC-01	F-02	SOLID	7.93e+03		7.52e+03	5.310	RPD
5	DUP	S95T003704	W	0	@IC-01	CL-02	SOLID	5.98e+02		1.04e+03	53.970	RPD
5	DUP	S95T003704	W	0	@IC-01	NO2-02	SOLID	1.51e+04		1.50e+04	0.660	RPD
5	DUP	S95T003704	W	0	@IC-01	BR-02	SOLID	<2.41e3		<2.45e3		RPD
5	DUP	S95T003704	W	0	@IC-01	NO3-02	SOLID	4.09e+05		4.04e+05	1.230	RPD
5	DUP	S95T003704	W	0	@IC-01	PO4-02	SOLID	2.09e+04		1.46e+04	35.490	RPD
5	DUP	S95T003704	W	0	@IC-01	SO4-02	SOLID	2.55e+04		2.59e+04	1.560	RPD
5	DUP	S95T003704	W	0	@IC-01	OXALATE2	SOLID	1.68e+04		1.72e+04	2.350	RPD
6	SAMPLE	S95T003705	W	0	@IC-01	F-02	SOLID	N/A		7.709e+03	223.100	ug/g

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

LABCORE Completed Worklist Report for Worklist# 4685

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SAMPLE	S95T003705	0	W	@IC-01	CL-02	SOLID	N/A		6.609e+02	291.800	ug/g
6	SAMPLE	S95T003705	0	W	@IC-01	NO2-02	SOLID	N/A		1.441e+04	1.837e+003	ug/g
6	REJECT	S95T003705	0	W	@IC-01	BR-02	SOLID	N/A	<	2.163e+03		ug/g
6	SAMPLE	S95T003705	0	W	@IC-01	NO3-02	SOLID	N/A		3.534e+05	2.403e+003	ug/g
6	SAMPLE	S95T003705	0	W	@IC-01	PO4-02	SOLID	N/A		4.131e+04	2.043e+003	ug/g
6	SAMPLE	S95T003705	0	W	@IC-01	SO4-02	SOLID	N/A		1.523e+04	2.335e+003	ug/g
6	SAMPLE	S95T003705	0	W	@IC-01	OXALATE2	SOLID	N/A		1.113e+04	1.802e+003	ug/g
7	DUP	S95T003705	0	W	@IC-01	F-02	SOLID	7.71e+03		6.53e+03	16.570	RPD
7	DUP	S95T003705	0	W	@IC-01	CL-02	SOLID	6.61e+02		5.81e+02	12.880	RPD
7	DUP	S95T003705	0	W	@IC-01	NO2-02	SOLID	1.44e+04		1.39e+04	3.530	RPD
7	DUP	S95T003705	0	W	@IC-01	BR-02	SOLID	<2.16e3		<2.14e3		RPD
7	DUP	S95T003705	0	W	@IC-01	NO3-02	SOLID	3.53e+05		3.87e+05	9.190	RPD
7	DUP	S95T003705	0	W	@IC-01	PO4-02	SOLID	4.13e+04		3.30e+04	22.340	RPD
7	DUP	S95T003705	0	W	@IC-01	SO4-02	SOLID	1.52e+04		1.37e+04	10.380	RPD
7	DUP	S95T003705	0	W	@IC-01	OXALATE2	SOLID	1.11e+04		1.04e+04	6.510	RPD

Comments Section:

Comments for sample# S95T003704 **and test** @IC-01 .
Br < value too high
Br < value too high

Final page for worklist# 4685

Analyst Signature **Date**

Analyst Signature **Date**

Reviewer Signature **Date** 1/29/96

Br rejected and rerun on Worklist 5241.
JMLuyn

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 29-Jan-96

Worklist#: 4685

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003704
=>	5	DUP	S95T003704
=>	6	SAMPLE	S95T003705
=>	7	DUP	S95T003705

Data File: 4685JAN.CSV

Seq#	Data File	Sample Name	Dilution
1	96012801.d37	BLANK	1.00
2	96012801.d38	STANDARD 122N9-D	101.00
3	96012801.d39	PREP BLANK	1.00
	96012801.d40	S95T003704 SAM	11.00
	96012801.d41	S95T003704 SAM	11.00
	96012801.d42	S95T003704 SAM	11.00
	96012801.d43	S95T003704 SAM	11.00
4	96012801.d44	S95T003704 SAM	101.00
5	96012801.d45	S95T003704 DUP	101.00
6	96012801.d46	S95T003705 SAM	101.00
7	96012801.d47	S95T003705 DUP	101.00

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

LABCORE Data Entry Template for Worklist# 4685

Analyst: KH **Instrument:** IC01 _____ **Book#** 132N9-0

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003704	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003704	0	W	@IC-01	SOLID		
6	SAMPLE	S95T003705	0	W	@IC-01	SOLID	95000180	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
7	DUP	S95T003705	0	W	@IC-01	SOLID		

Final page for worklist # 4685

Analyst Signature **Date** 1-25-96

Analyst Signature **Date**

uploaded + posted 1/29/96 J.M. Fuge
Br rejected to be run - put out for run on WKL 5241
printed

Data Entry Comments: Br < too high. Need to run Br at 41 DF
J.M. Fuge

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

Sample Name: STANDARD 122N9-D Date: 01/28/1996 19:32:24
Data File : C:\DX\DATA\96012801.D38
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 38 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

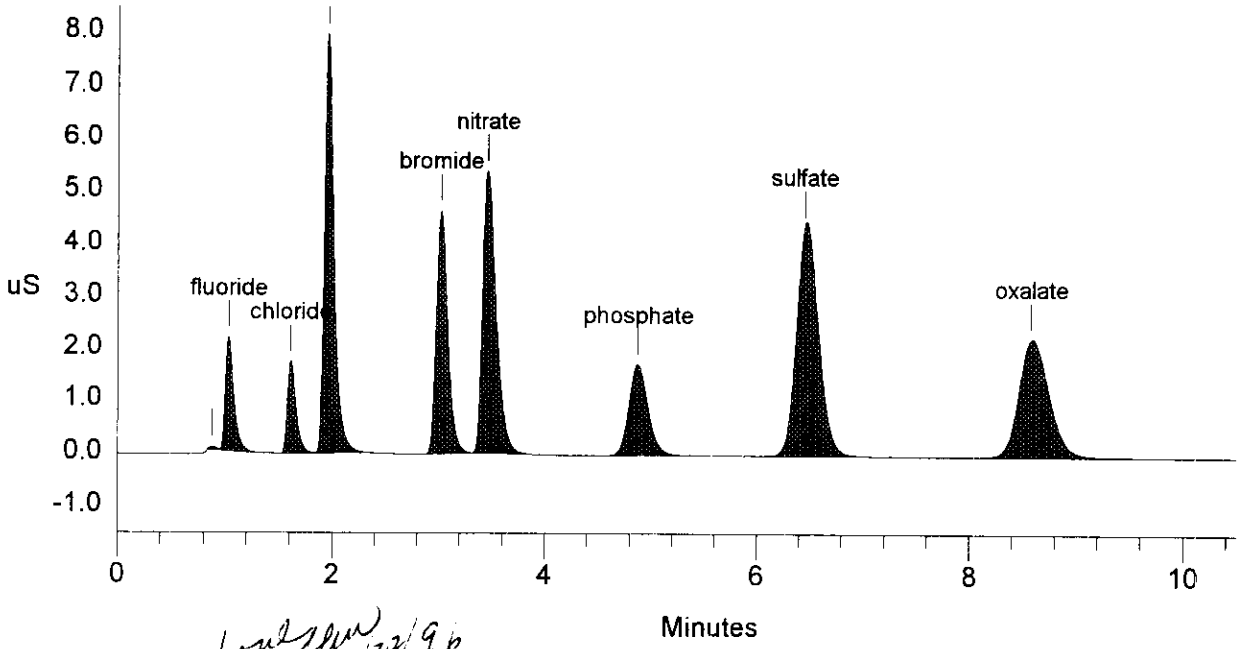
1-28-96

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	0.88		0.000	58	278	2	
2	1.03	fluoride	58.868	2172	11807	2	0.32
3	1.61	chloride	75.324	1756	9598	1	-1.63
4	1.96	nitrite	516.878	7960	48605	1	-2.49
5	3.02	bromide	567.509	4625	34177	1	0.33
6	3.46	nitrate	599.134	5373	47044	1	2.37
7	4.88	phosphate	533.363	1730	21342	1	-2.59
8	6.45	sulfate	616.524	4352	63379	1	-5.51
9	8.59	oxalate	557.912	2240	43227	1	-4.17
		Totals	3525.512	30266	279458		

File: 96012801.D38 Sample: STANDARD 122N9-D



3/22/96

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 562 TO 568.

```
==============================================================================
| Sample Name: BLANK                          Date: 01/28/1996 19:11:40       |
| Data File  : C:\DX\DATA\96012801.D37                                        |
| Method     : C:\DX\METHOD\KIT.MET                                           |
| ACI Address: 1  System: 1  Inject#: 37                   Detector:CDM-1     |
| Analyst    :                Column: AG4A/AS4A anion column                  |
==============================================================================
```

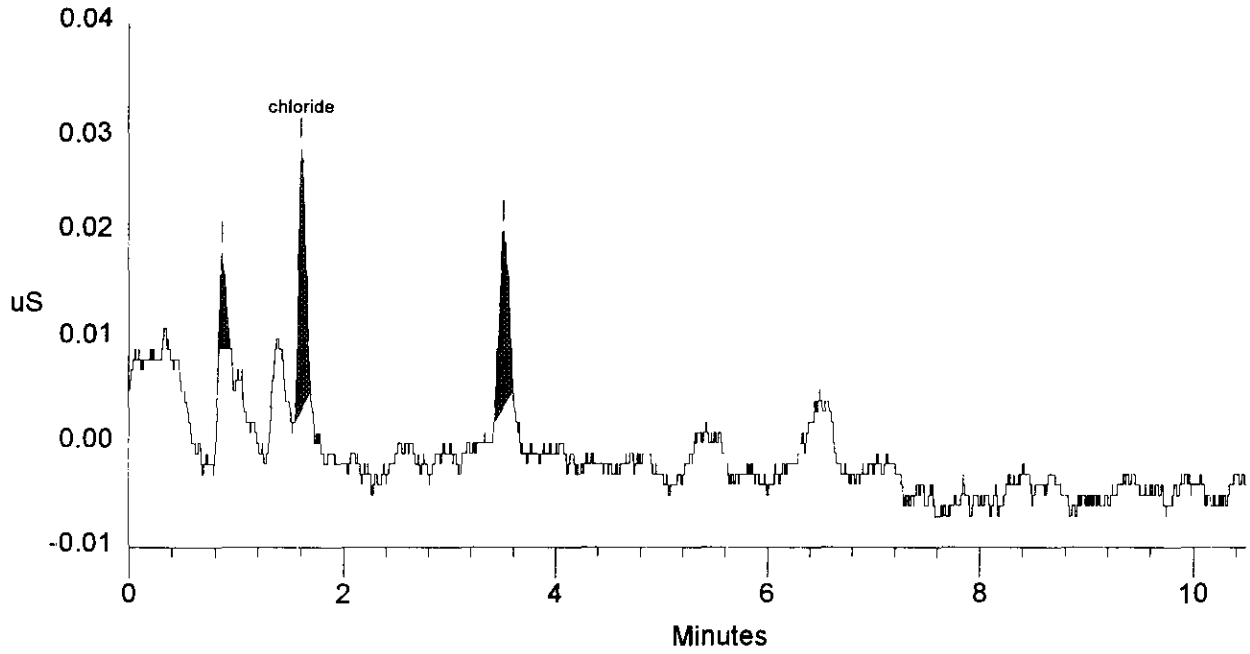
WHC-SD-WM-DP-164, REV. 1

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	1.61	chloride	-0.008	25	109	1	-1.63
		Totals	-0.008	25	109		

File: 96012801.D37 Sample: BLANK



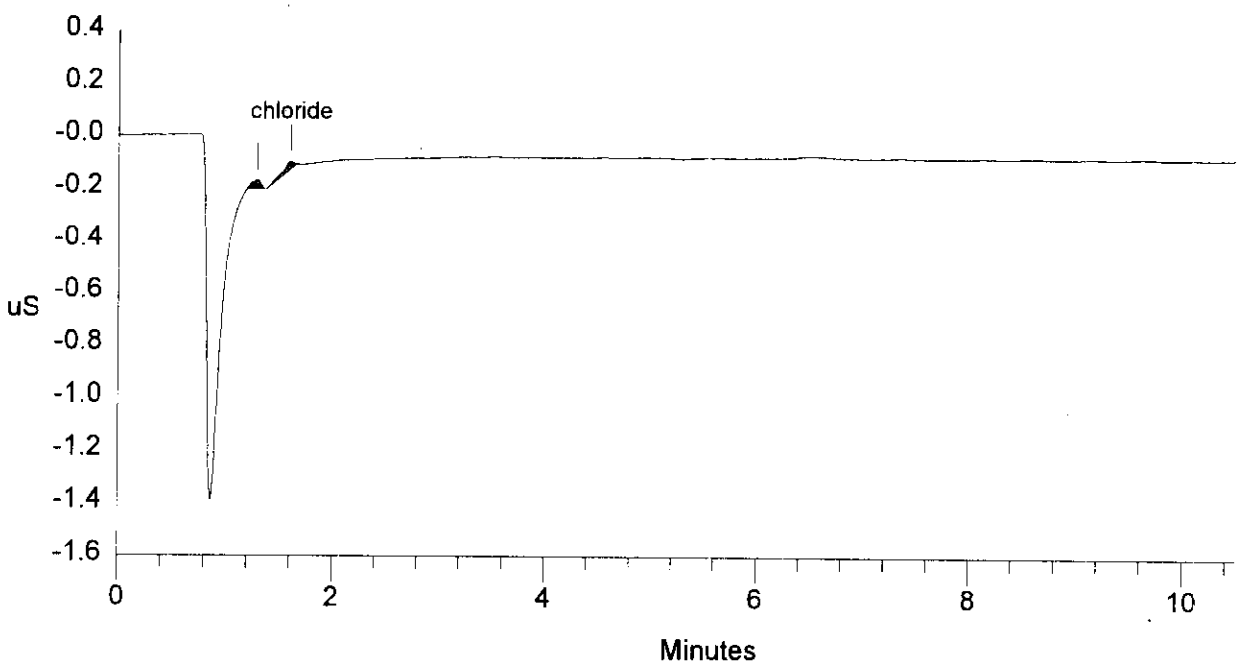
```
==============================================================================
| Sample Name: PREP BLANK                          Date: 01/28/1996 20:08:40   |
| Data File  : C:\DX\DATA\96012801.D39                                         |
| Method     : C:\DX\METHOD\KIT.MET                WHC-SD-WM-DP-164, REV. 1    |
| ACI Address: 1  System: 1  Inject#: 39                     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	1.29		0.000	35	199	1	
2	1.61	chloride	0.004	30	259	1	-2.03
		Totals	0.004	65	458		

File: 96012801.D39 Sample: PREP BLANK



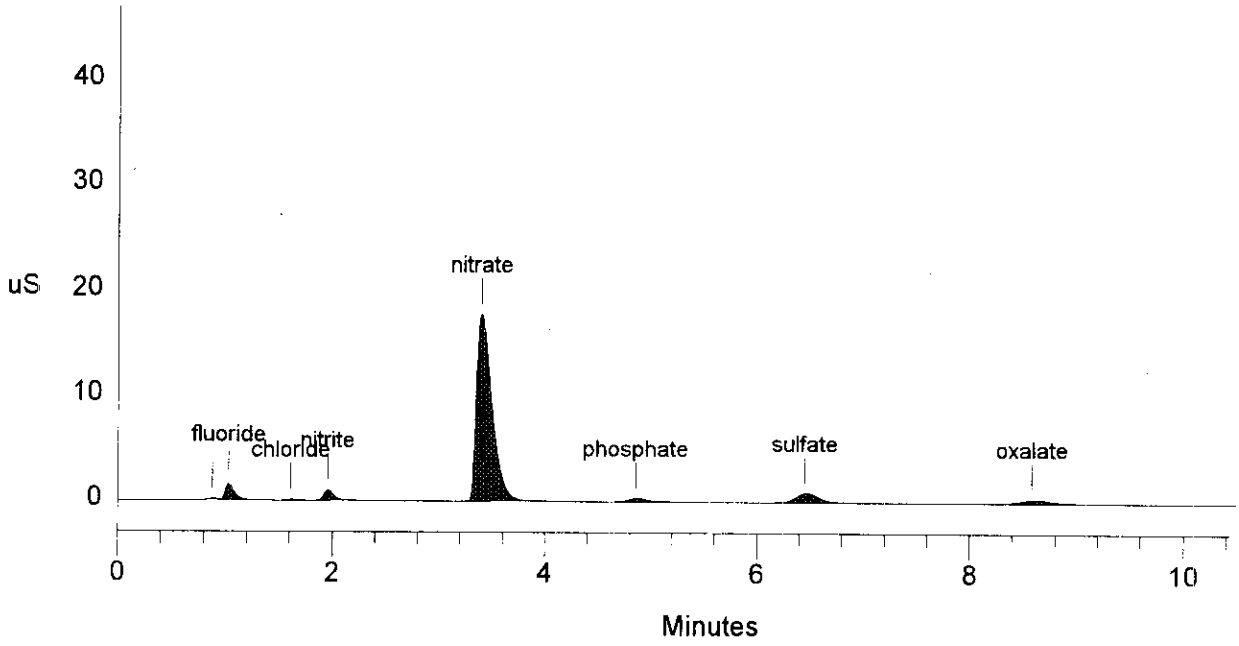
```
==============================================================================
| Sample Name: S95T003704 SAM                    Date: 01/29/1996 02:35:41    |
| Data File  : C:\DX\DATA\96012801.D44                                        |
| Method     : C:\DX\METHOD\KIT.MET          WHC-SD-WM-DP-164, REV. I         |
| ACI Address: 1  System: 1  Inject#: 44                   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	0.88		0.000	68	317	2	
2	1.03	fluoride	41.867	1510	8326	2	0.32
3	1.61	chloride	3.156	111	593	1	-1.63
4	1.96	nitrite	79.760	997	6147	1	-2.49
5	3.40	nitrate	2160.404	17780	178880	1	0.59
6	4.85	phosphate	110.398	308	4150	1	-3.13
7	6.45	sulfate	134.435	860	12888	1	-5.51
8	8.59	oxalate	88.423	340	6661	1	-4.17
		Totals	2618.442	21974	217963		

File: 96012801.D44 Sample: S95T003704 SAM



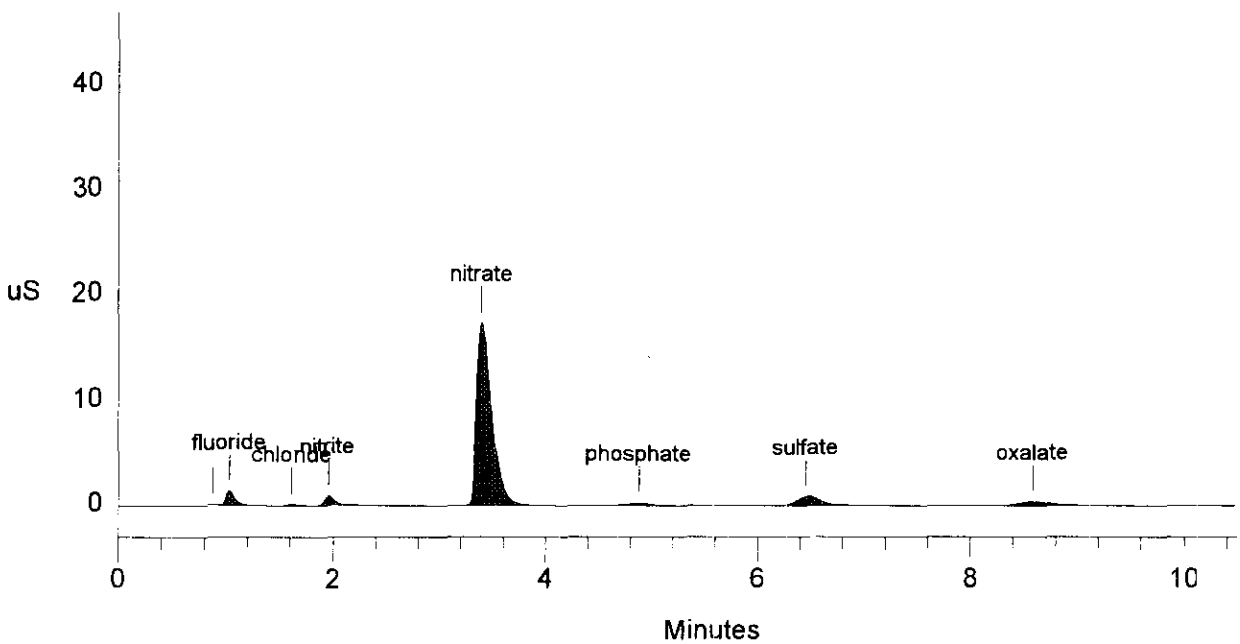
```
==============================================================================
| Sample Name: S95T003704 DUP                    Date: 01/29/1996 03:08:03    |
| Data File  : C:\DX\DATA\96012801.D45                                        |
| Method     : C:\DX\METHOD\KIT.MET          WHC-SD-WM-DP-164, REV. 1         |
| ACI Address: 1  System: 1  Inject#: 45                   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	0.87		0.000	63	312	2	
2	1.03	fluoride	39.008	1365	7743	2	0.32
3	1.61	chloride	5.389	157	868	1	-1.63
4	1.95	nitrite	77.015	937	5881	1	-2.82
5	3.39	nitrate	2091.754	17319	172882	1	0.39
6	4.88	phosphate	75.841	220	2763	1	-2.59
7	6.45	sulfate	133.537	855	12796	1	-5.51
8	8.59	oxalate	89.283	349	6728	1	-4.17
		Totals	2511.827	21265	209973		

File: 96012801.D45 Sample: S95T003704 DUP



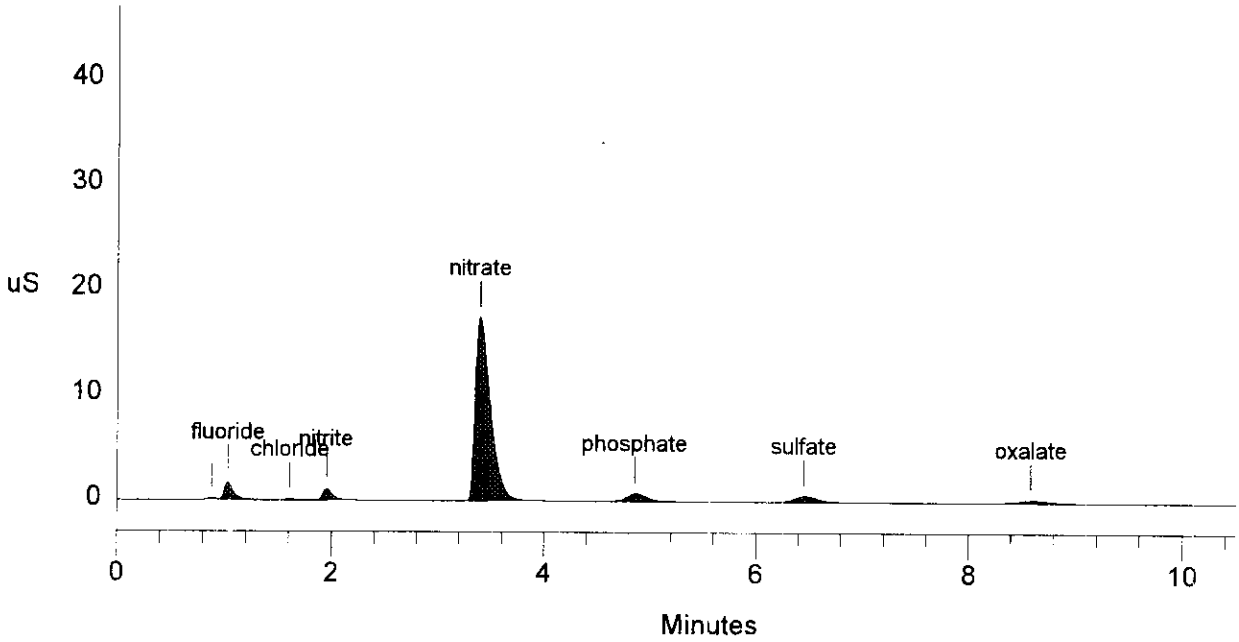
Sample Name: S95T003705 SAM Date: 01/29/1996 04:55:30
Data File : C:\DX\DATA\96012801.D46
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 46 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

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	0.88		0.000	70	339	2	
2	1.03	fluoride	45.361	1643	9040	2	0.32
3	1.61	chloride	3.889	132	683	1	-1.63
4	1.95	nitrite	84.797	1078	6635	1	-2.82
5	3.39	nitrate	2079.532	17405	171816	1	0.39
6	4.85	phosphate	243.051	727	9498	1	-3.13
7	6.45	sulfate	89.615	552	8260	1	-5.51
8	8.59	oxalate	65.468	247	4885	1	-4.17
		Totals	2611.714	21854	211156		

File: 96012801.D46 Sample: S95T003705 SAM



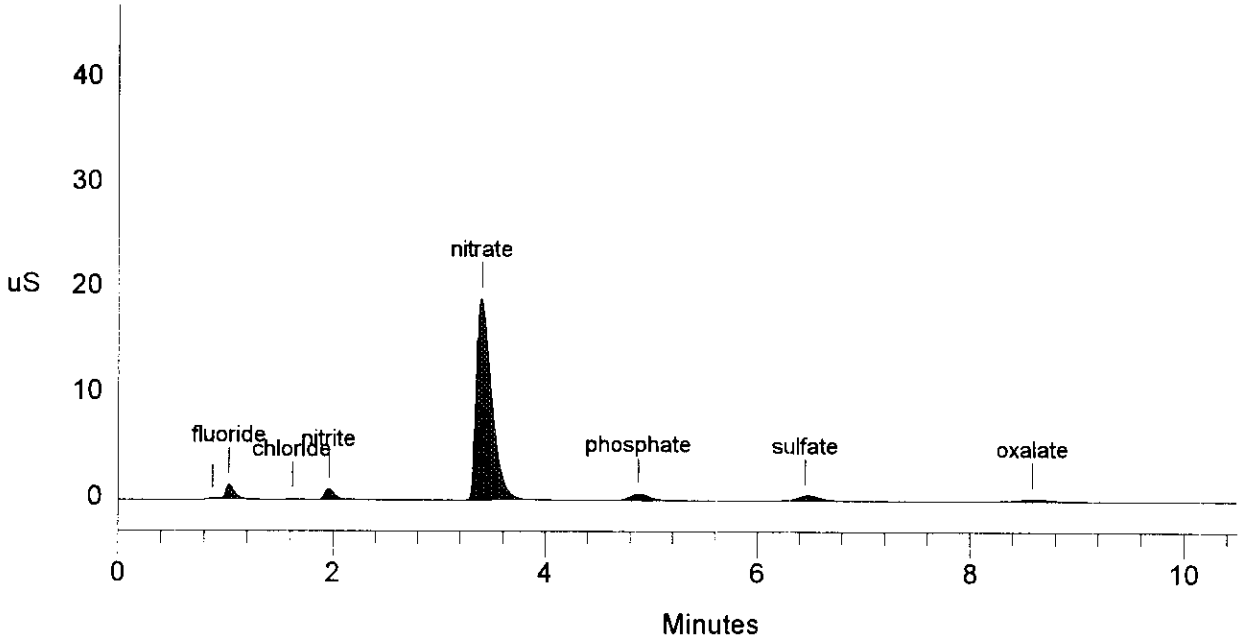
Sample Name: S95T003705 DUP Date: 01/29/1996 05:18:15
Data File : C:\DX\DATA\96012801.D47
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 47 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

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	0.88		0.000	74	377	2	
2	1.03	fluoride	38.852	1401	7711	2	0.32
3	1.62	chloride	3.455	121	630	1	-1.22
4	1.97	nitrite	82.860	1065	6447	1	-2.16
5	3.40	nitrate	2299.536	19082	191098	1	0.59
6	4.88	phosphate	196.469	598	7616	1	-2.59
7	6.45	sulfate	81.517	488	7425	1	-5.51
8	8.59	oxalate	61.809	233	4602	1	-4.17
		Totals	2764.499	23062	225905		

File: 96012801.D47 Sample: S95T003705 DUP



LABCORE Completed Worklist Report for Worklist# 4686

Analyst: rwk **Instrument:** IC01 **Book#** 122A19E

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

Worklist Comment: BY-104 FOR IC 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	2.30e-01	0.230	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	5.66e+01	95.930	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.80e+01	98.730	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	5.00e+02	93.630	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.58e+02	97.040	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	6.04e+02	98.370	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.29e+02	96.890	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.11e+02	96.830	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	5.16e+02	98.100	% 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	2.26e-01	0.230	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-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	S95T003772	W	0	@IC-01	F-02	SOLID	N/A	2.938e+02	61.800	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	CL-02	SOLID	N/A	2.054e+03	80.810	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	NO2-02	SOLID	N/A	3.580e+04	508.600	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	BR-02	SOLID	N/A	5.989e+02	598.900	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	NO3-02	SOLID	N/A	1.583e+05	665.000	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	PO4-02	SOLID	N/A	1.643e+03	569.900	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	SO4-02	SOLID	N/A	1.740e+03	646.000	ug/g
4	SAMPLE	S95T003772	W	0	@IC-01	OXALATE2	SOLID	N/A	2.307e+03	499.100	ug/g
5	DUP	S95T003772	W	0	@IC-01	F-02	SOLID	2.94e+02	4.46e+02	41.080	RPD
5	DUP	S95T003772	W	0	@IC-01	CL-02	SOLID	2.05e+03	2.48e+03	18.980	RPD
5	DUP	S95T003772	W	0	@IC-01	NO2-02	SOLID	3.58e+04	4.46e+04	21.890	RPD
5	DUP	S95T003772	W	0	@IC-01	BR-02	SOLID	<5.99e2	<5.97e2		RPD
5	DUP	S95T003772	W	0	@IC-01	NO3-02	SOLID	1.58e+05	2.03e+05	24.930	RPD
5	DUP	S95T003772	W	0	@IC-01	PO4-02	SOLID	1.64e+03	1.90e+03	14.690	RPD
5	DUP	S95T003772	W	0	@IC-01	SO4-02	SOLID	1.74e+03	1.58e+03	9.640	RPD
5	DUP	S95T003772	W	0	@IC-01	OXALATE2	SOLID	2.31e+03	2.18e+03	5.790	RPD
6	SPK	S95T003772	W	0	@IC-01	F-02	SOLID	59	57.572	97.580	% Recovery

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

WHC-SD-WM-DP-164, REV. 1

LABCORE Completed Worklist Report for Worklist# 4686

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S95T003772	0	W	@IC-01	CL-02	SOLID	79	76.264	96.540	% Recovery
6	SPK	S95T003772	0	W	@IC-01	NO2-02	SOLID	534	564.660	105.740	% Recovery
6	SPK	S95T003772	0	W	@IC-01	BR-02	SOLID	575	548.000	95.300	% Recovery
6	SPK	S95T003772	0	W	@IC-01	NO3-02	SOLID	614	615.620	100.260	% Recovery
6	SPK	S95T003772	0	W	@IC-01	PO4-02	SOLID	546	508.044	93.050	% Recovery
6	SPK	S95T003772	0	W	@IC-01	SO4-02	SOLID	631	593.936	94.130	% Recovery
6	SPK	S95T003772	0	W	@IC-01	OXALATE2	SOLID	526	513.516	97.630	% Recovery
7	SAMPLE	S95T003813	0	W	@IC-01	F-02	SOLID	N/A	3.799e+03	102.900	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	CL-02	SOLID	N/A	2.842e+03	134.500	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	NO2-02	SOLID	N/A	4.853e+04	846.700	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	BR-02	SOLID	N/A <	9.971e+02	997.100	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	NO3-02	SOLID	N/A	2.466e+05	1.107e+003	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	PO4-02	SOLID	N/A	1.207e+04	948.800	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	SO4-02	SOLID	N/A	1.223e+04	1.075e+003	ug/g
7	SAMPLE	S95T003813	0	W	@IC-01	OXALATE2	SOLID	N/A	7.815e+03	830.900	ug/g
8	DUP	S95T003813	0	W	@IC-01	F-02	SOLID	3.80e+03	3.85e+03	1.310	RPD
8	DUP	S95T003813	0	W	@IC-01	CL-02	SOLID	2.84e+03	2.62e+03	8.060	RPD
8	DUP	S95T003813	0	W	@IC-01	NO2-02	SOLID	4.85e+04	4.55e+04	6.380	RPD
8	DUP	S95T003813	0	W	@IC-01	BR-02	SOLID	<9.97e2	<9.93e2		RPD
8	DUP	S95T003813	0	W	@IC-01	NO3-02	SOLID	2.47e+05	2.84e+05	13.940	RPD
8	DUP	S95T003813	0	W	@IC-01	PO4-02	SOLID	1.21e+04	1.20e+04	0.830	RPD
8	DUP	S95T003813	0	W	@IC-01	SO4-02	SOLID	1.22e+04	1.22e+04	0.000	RPD
8	DUP	S95T003813	0	W	@IC-01	OXALATE2	SOLID	7.82e+03	7.69e+03	1.680	RPD

Final page for worklist# 4686

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

2/21/96

Reviewer Signature **Date**

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

LABCORE Data Entry Template for Worklist# 4686

Analyst: RK **Instrument:** IC01 _____ **Book#** 12279-E

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003772	0	W	@IC-01	SOLID	95000200	BY104 ROTARY
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
5	DUP	S95T003772	0	W	@IC-01	SOLID		
6	SPK	S95T003772	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003813	0	W	@IC-01	SOLID	95000200	BY104 ROTARY
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
8	DUP	S95T003813	0	W	@IC-01	SOLID		

Final page for worklist # 4686

Rob King 2/18/96
Analyst Signature **Date**

Analyst Signature **Date**

Jim Shell

Uploaded + printed 2/21/96
Jann Fuge

Data Entry Comments:

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

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

Worklist#: 4686

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003772
=>	5	DUP	S95T003772
=>	6	SPK	S95T003772
=>	7	SAMPLE	S95T003813
=>	8	DUP	S95T003813

Data File: 4686FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96021801.d50	INSTRA BLK	1.00
3	96021801.d51	PREP BLK	1.00
	96021801.d52	STD 122N9-E	101.00
2	96021801.d53	STD 122N9-E	101.00
	96021801.d54	S95T003772	101.00
4	96021801.d55	S95T003772	26.00
5	96021801.d56	S95T003772 DUP	26.00
6	96021801.d57	S95T003772 SPIK	26.00
7	96021801.d58	S95T003813	41.00
	96021801.d59	S95T003813 DUP	41.00
8	96021801.d60	S95T003813 DUP	41.00

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

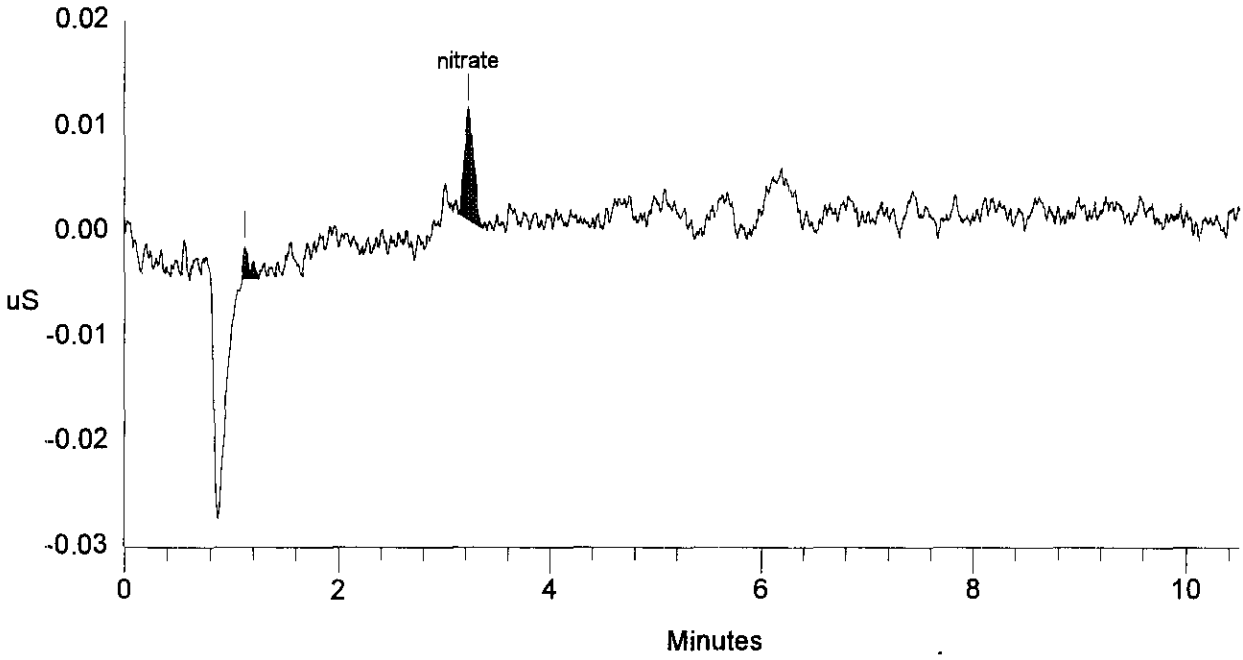
Sample Name: INSTRA BLK Date: 02/18/1996 12:08:49
Data File : C:\DX\DATA\96021801.D50
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 50 Detector:CDM-2
Analyst : Rob King Column: AG4A/AS4A anion column
2-18-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.23	nitrate	0.230	10343	62086	1	2.43
		Totals	0.230	10343	62086		

File: 96021801.D50 Sample: INSTRA BLK



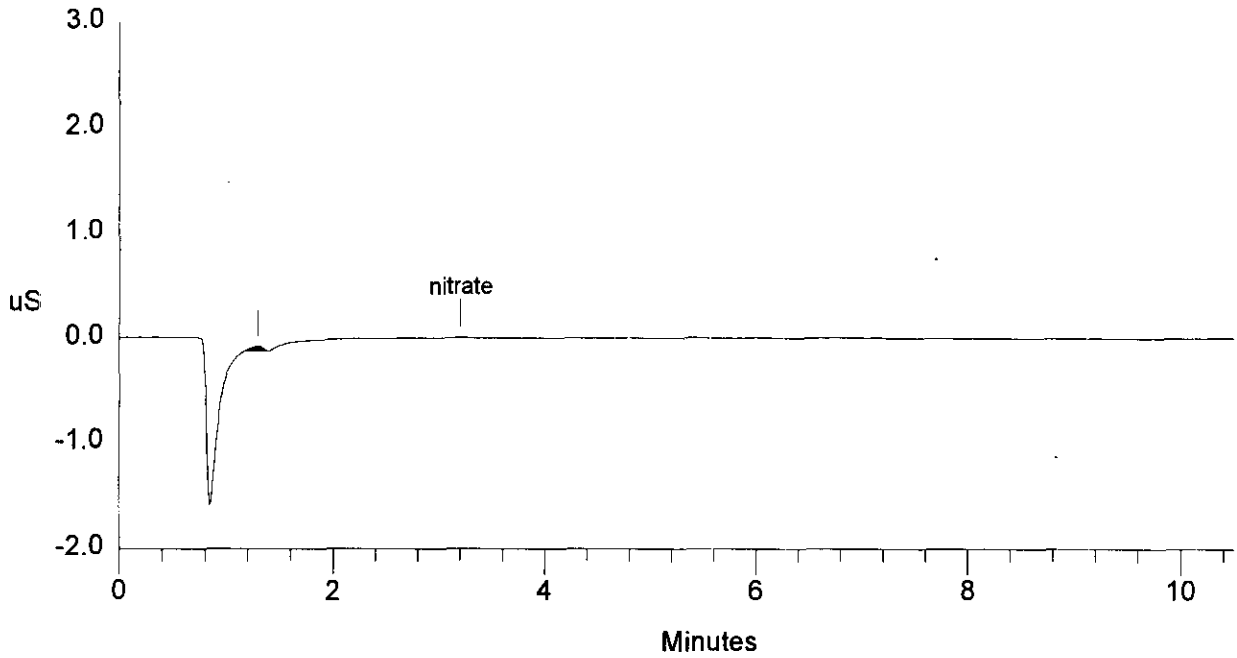
```
==============================================================================
| Sample Name: PREP BLK                          Date: 02/18/1996 12:22:28    |
| Data File  : C:\DX\DATA\96021801.D51                                        |
| Method     : C:\DX\METHOD\KIT.MET              WHC-SD-WM-DP-164, REV. I     |
| ACI Address: 1  System: 1  Inject#: 51                   Detector:CDM-2     |
| Analyst    : Rob-Kim 2-18-96  Column: AG4A/AS4A anion column               |
==============================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10:50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.30		0.000	44250	342322	1	
2	3.20	nitrate	0.226	6100	30676	1	1.59
		Totals	0.226	50350	372998		

File: 96021801.D51 Sample: PREP BLK



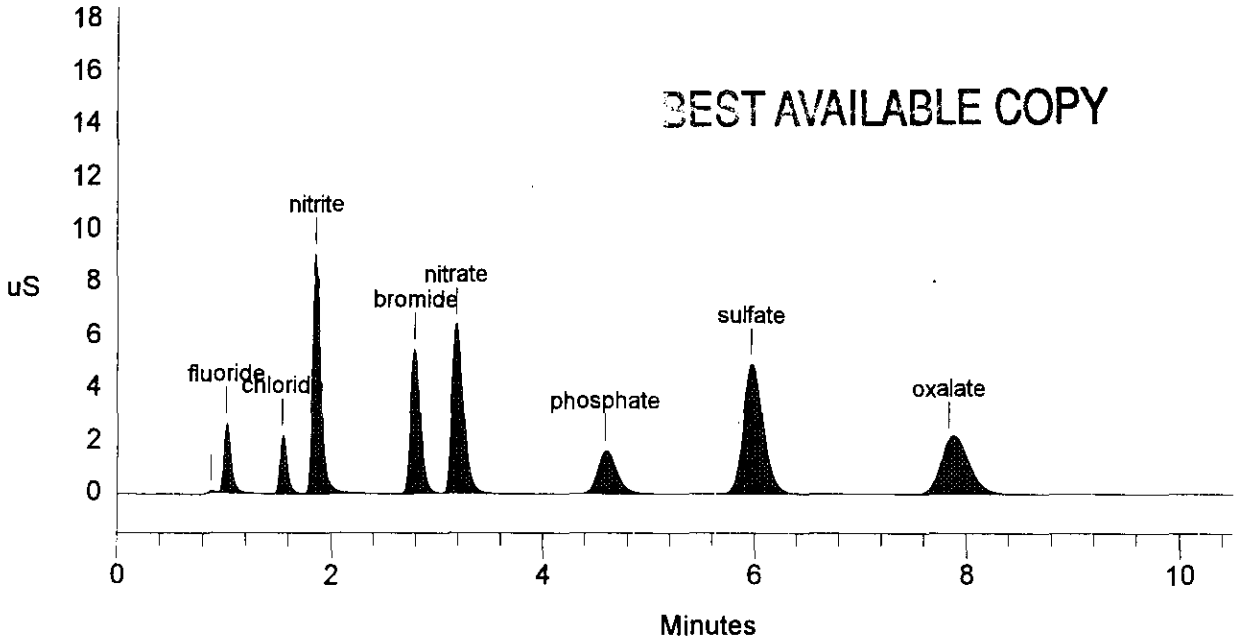
```
==========================================================================
| Sample Name: STD 122N9-E                    Date: 02/18/1996 12:46:55   |
| Data File  : C:\DX\DATA\96021801.D53                                   |
| Method     : C:\DX\METHOD\KIT.MET          WHC-SD-WM-DP-164, REV. 1    |
| ACI Address: 1  System: 1  Inject#: 53                Detector:CDM-2   |
| Analyst    : Rob King 2/18/96  Column: AG4A/AS4A anion column          |
==========================================================================
```

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	58403	239706	2	
2	1.02	fluoride	56.580	2636023	11938338	2	0.99
3	1.55	chloride	78.012	2227289	10326992	1	-1.49
4	1.86	nitrite	499.778	9115622	47769548	1	-2.62
5	2.79	bromide	558.314	5485387	34659158	1	-1.18
6	3.18	nitrate	604.097	6437119	48577508	1	0.95
7	4.59	phosphate	528.750	1635597	20986700	1	-2.20
8	5.97	sulfate	610.842	4892320	64233838	1	-3.50
9	7.84	oxalate	515.902	2108126	40604664	1	-3.33
		Totals	3452.275	34595885	279336452		

File: 96021801.D53 Sample: STD 122N9-E



BEST AVAILABLE COPY

.1-10

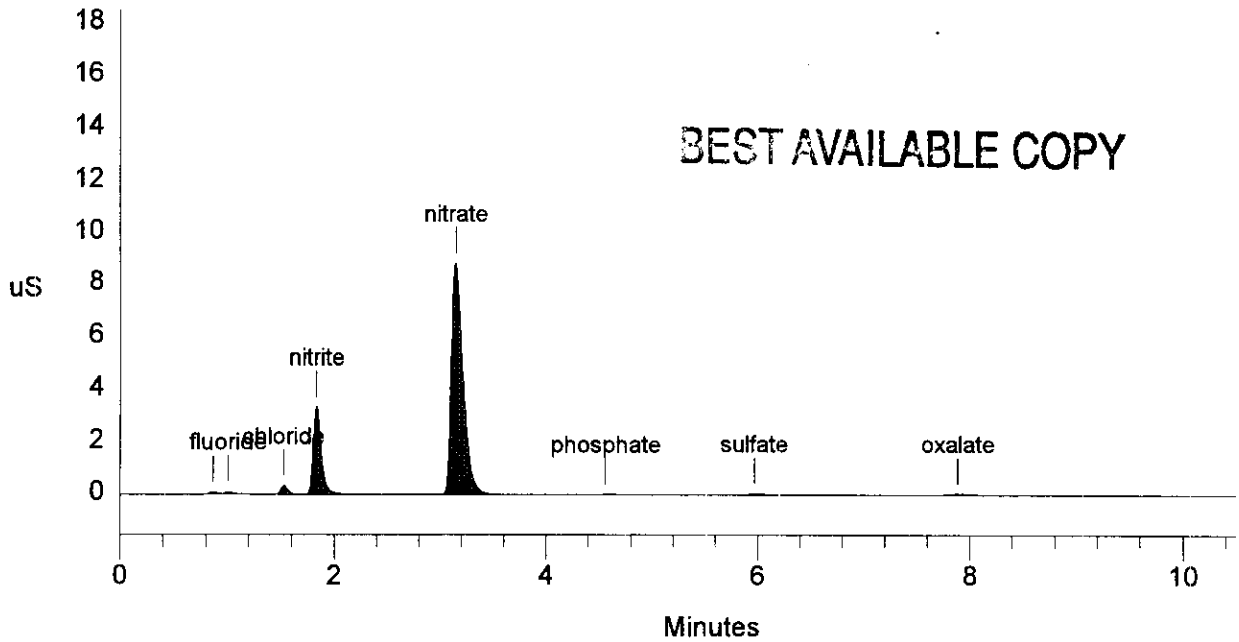
Sample Name: S95T003772 Date: 02/18/1996 13:56:34
Data File : C:\DX\DATA\96021801.D54
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 54 Detector:CDM-2
Analyst : Rob King 2-18-96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	64751	295290	2	
2	1.01	fluoride	2.967	73874	284039	2	-0.33
3	1.53	chloride	13.310	344857	1639396	1	-2.76
4	1.83	nitrite	195.025	3318406	17668036	1	-4.01
5	3.15	nitrate	829.391	8801724	67741020	1	-0.11
6	4.56	phosphate	18.629	18557	244836	1	-2.77
7	5.97	sulfate	24.751	48878	750820	1	-3.50
8	7.89	oxalate	14.152	52502	910316	1	-2.67
		Totals	1098.225	12723549	89533753		

File: 96021801.D54 Sample: S95T003772



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.4-10

Sample Name: S95T003772 Date: 02/18/1996 14:13:20
Data File : C:\DX\DATA\96021801.D55
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 55 Detector:CDM-2
Analyst : Nob Kim Column: AG4A/AS4A anion column

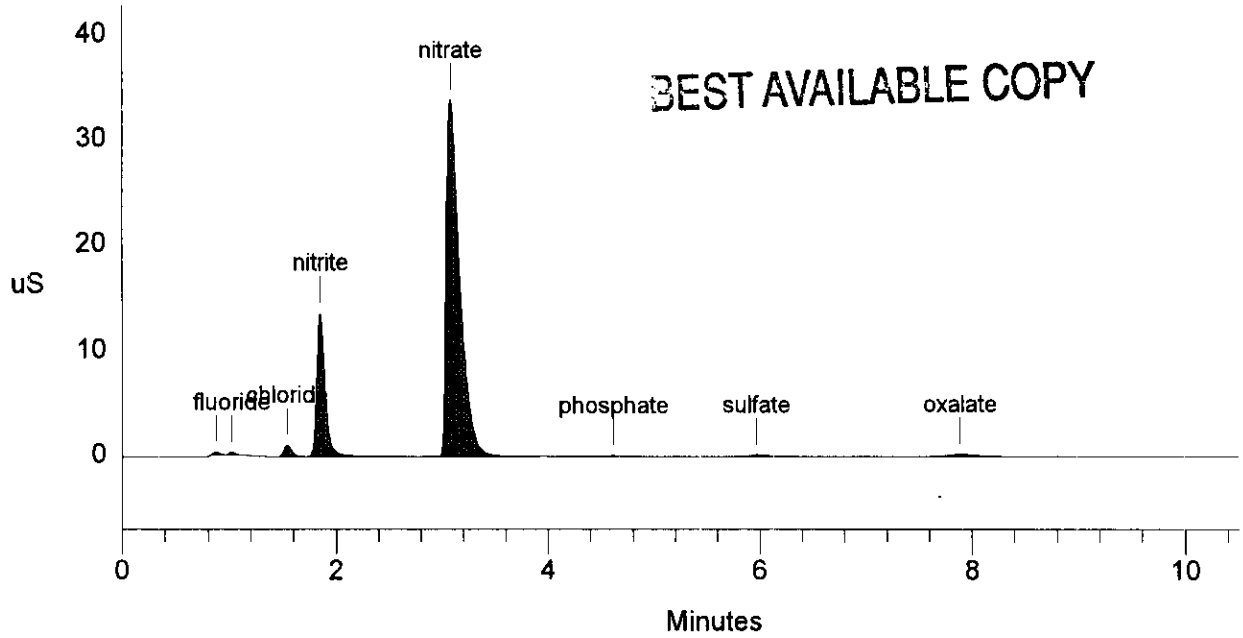
2-18-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	26	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	270717	1276146	2	
2	1.02	fluoride	1.607	260771	994149	2	0.99
3	1.54	chloride	11.234	1123440	5696350	1	-1.91
4	1.85	nitrite	195.835	13641121	73645714	1	-2.97
5	3.08	nitrate	866.095	33861167	299171564	1	-2.22
6	4.61	phosphate	8.989	72807	897588	1	-1.63
7	5.97	sulfate	9.516	137810	2053594	1	-3.50
8	7.89	oxalate	12.621	203999	3652390	1	-2.67
		Totals	1105.897	49571833	387387496		

File: 96021801.D55 Sample: S95T003772



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4-10

Sample Name: S95T003772 DUP
Date: 02/18/1996 14:28:47
Data File : C:\DX\DATA\96021801.D56
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 56 Detector:CDM-2
Analyst : Rob Kemp Column: AG4A/AS4A anion column

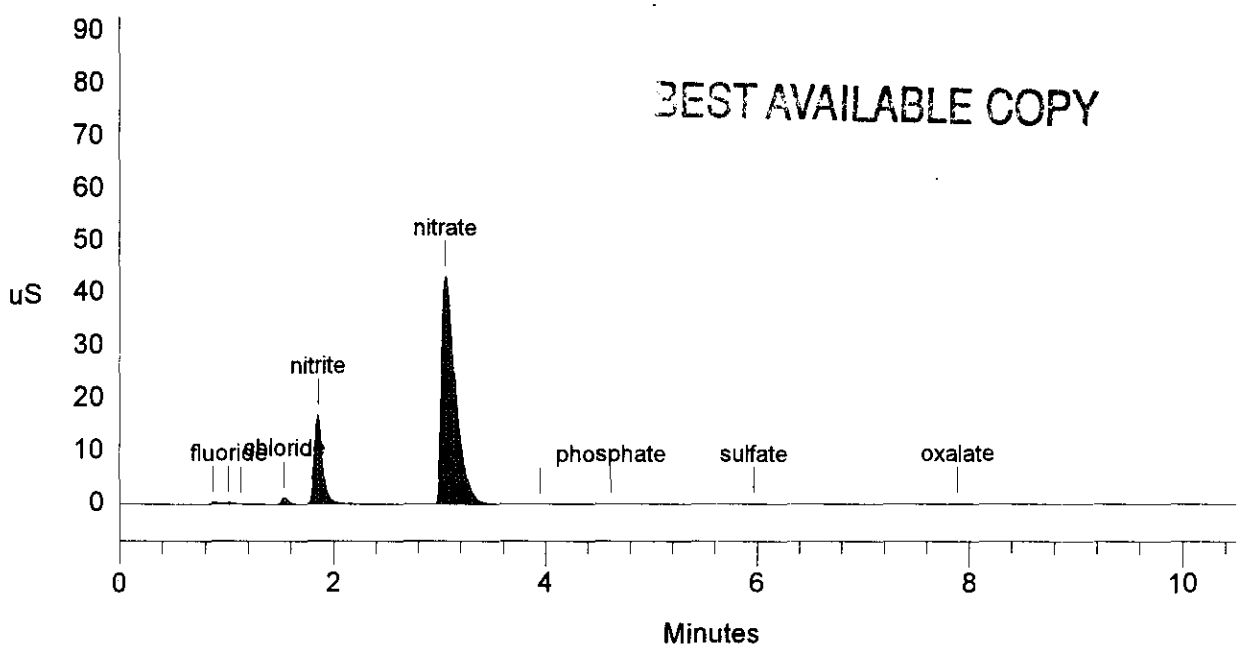
2-18-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	26	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	284997	1470619	2	
2	1.02	fluoride	2.449	334371	1703781	2	0.99
3	1.13		0.000	156578	1313353	2	
4	1.54	chloride	13.620	1368566	6941424	1	-1.91
5	1.85	nitrite	245.025	16996438	92651546	1	-2.97
6	3.05	nitrate	1116.511	43254872	397451984	1	-3.07
7	3.95		0.000	10868	93906	1	
8	4.61	phosphate	10.427	76734	1121660	1	-1.63
9	5.97	sulfate	8.662	112175	1699386	1	-3.50
10	7.89	oxalate	11.980	176013	3456514	1	-2.67
		Totals	1408.674	62771613	507904174		

File: 96021801.D56 Sample: S95T003772 DUP



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4-10

Sample Name: S95T003772 SPIKE Date: 02/18/1996 14:48:32
Data File : C:\DX\DATA\96021801.D57
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 57 Detector:CDM-2
Analyst : Rob King Column: AG4A/AS4A anion column

3/18/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	26	3150	5Hz	0.00	10.50		20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	309832	1383103	2	
2	1.02	fluoride	15.988	2698459	13143714	2	0.99
3	1.54	chloride	30.313	3061052	15726134	1	-1.91
4	1.85	nitrite	337.242	23400816	128417614	1	-2.97
5	2.77	bromide	136.541	5584154	32843044	1	-1.89
6	3.06	nitrate	1018.371	39831103	358185441	1	-2.86
7	3.98		0.000	8317	67110	1	
8	4.59	phosphate	135.659	1645105	20913778	1	-2.20
9	5.97	sulfate	158.474	4875605	64758720	1	-3.50
10	7.84	oxalate	140.779	2434983	43071970	1	-3.33
		Totals	1973.367	83849425	678510628		

File: 96021801.D57 Sample: S95T003772 SPIKE

$\frac{10.4}{(1)(26)} = 4$

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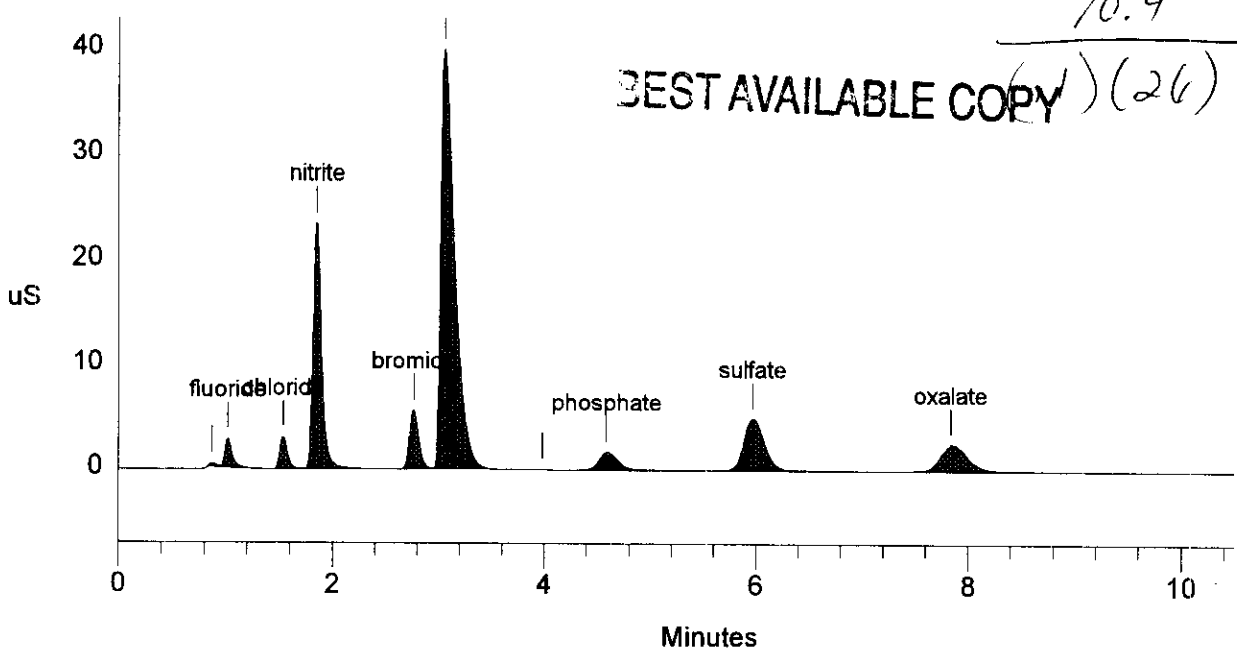


.250-10

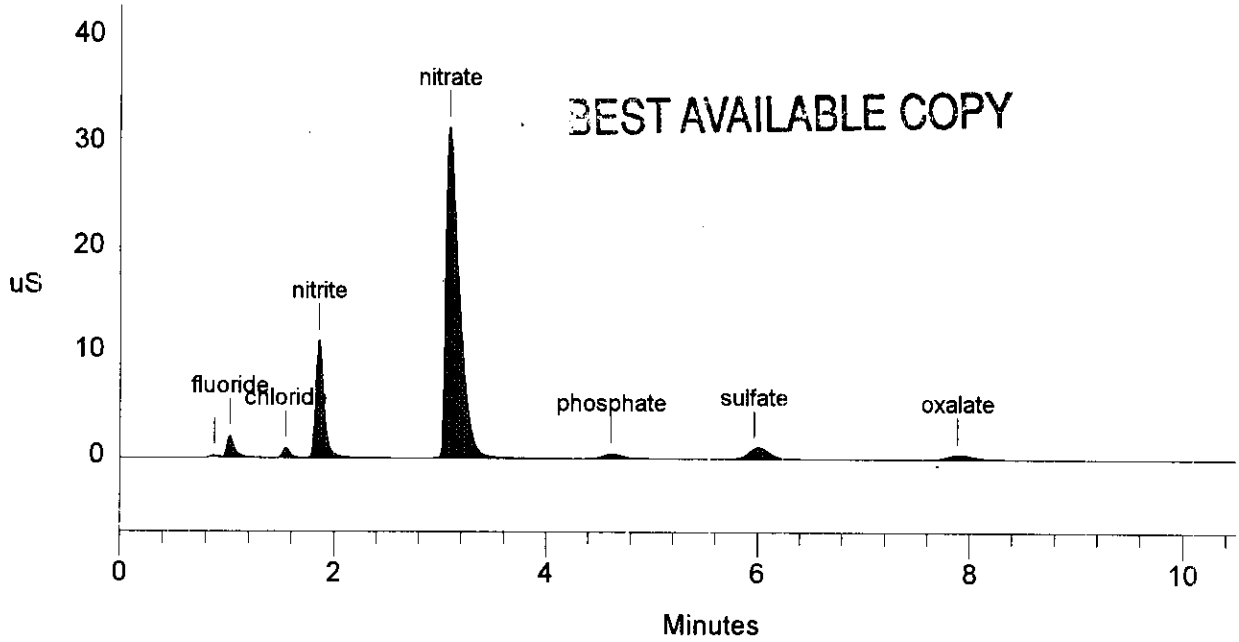
Sample Name: S95T003813 Date: 02/18/1996 15:02:44
Data File : C:\DX\DATA\96021801.D58
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. I
ACI Address: 1 System: 1 Inject#: 58 Detector: CDM-2
Analyst : Rob King Column: AG4A/AS4A anion column
2/18/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.88		0.000	148512	677642	2	
2	1.03	fluoride	19.683	2007774	10175037	2	1.65
3	1.55	chloride	14.717	955197	4705888	1	-1.49
4	1.86	nitrite	251.442	11103507	59619860	1	-2.62
5	3.09	nitrate	1276.903	31480289	277879060	1	-2.01
6	4.61	phosphate	62.542	435911	5691010	1	-1.63
7	5.97	sulfate	63.365	967666	14802380	1	-3.50
8	7.89	oxalate	40.489	422724	7644494	1	-2.67
		Totals	1729.141	47521580	381195370		

File: 96021801.D58 Sample: S95T003813



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.250-10

Sample Name: S95T003813 DUP
Data File : C:\DX\DATA\96021801.D60
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 60
Analyst : Column: AG4A/AS4A anion column

Date: 02/18/1996 15:34:20

WHC-SD-WM-DP-164, REV. 1

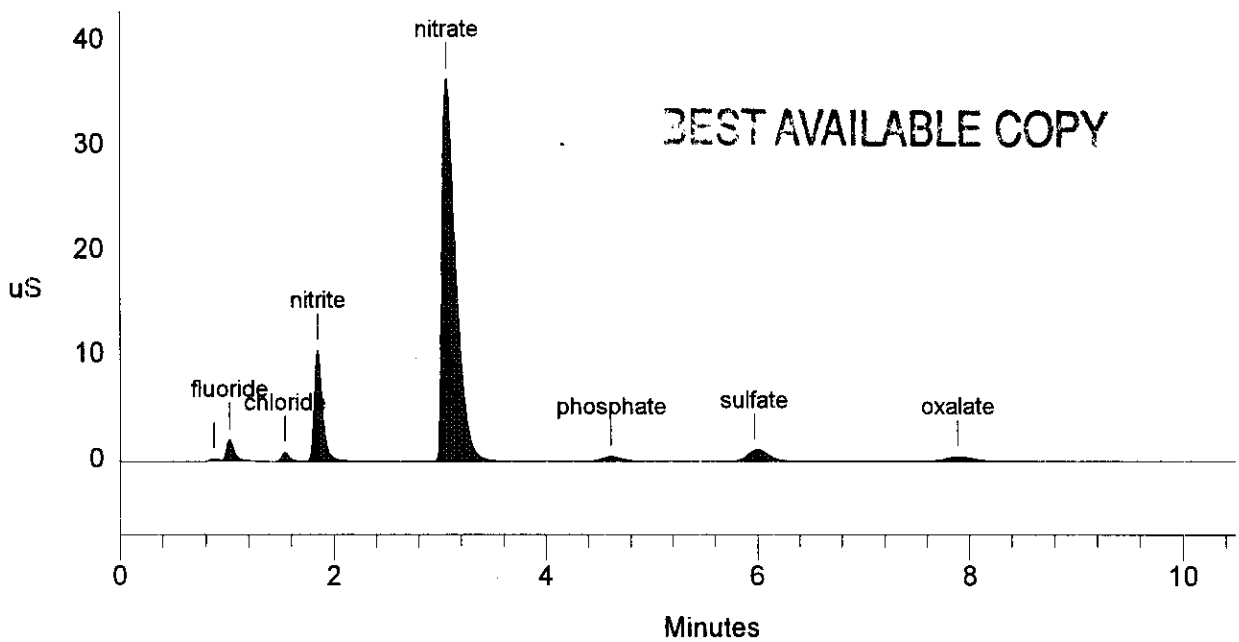
Detector: CDM-2

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	163499	762837	2	
2	1.02	fluoride	20.019	2050781	10355344	2	0.99
3	1.54	chloride	13.656	897395	4355714	1	-1.91
4	1.85	nitrite	236.887	10520698	56065876	1	-3.32
5	3.06	nitrate	1475.688	36366939	325910620	1	-2.86
6	4.61	phosphate	62.386	439569	5675460	1	-1.63
7	5.97	sulfate	63.506	1038299	14839608	1	-3.50
8	7.89	oxalate	40.001	419482	7549754	1	-2.67
		Totals	1912.142	51896663	425515213		

File: 96021801.D60 Sample: S95T003813 DUP



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LABCORE Completed Worklist Report for Worklist# 4687

Analyst: krq **Instrument:** IC01 **Book#** 122N9-E

Method: X 4-533-105 Rev/Mod D-1

Worklist Comment: BY-104 FOR IC 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	2.72e-01	0.270	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	5.85e+01	99.150	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.37e+01	93.290	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	5.19e+02	97.190	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.80e+02	100.870	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	6.21e+02	101.140	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.47e+02	100.180	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.29e+02	99.680	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	526	5.33e+02	101.330	% 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	2.20e-02	2.000e-002	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	2.89e-01	0.290	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	2.88e-01	0.290	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	F-02	SOLID	N/A	3.788e+03	230.400	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	CL-02	SOLID	N/A	2.124e+03	301.200	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	NO2-02	SOLID	N/A	3.324e+04	1.896e+003	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	BR-02	SOLID	N/A <	2.233e+03	2.233e+003	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	NO3-02	SOLID	N/A	1.602e+05	2.479e+003	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	PO4-02	SOLID	N/A	1.528e+04	2.125e+003	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	SO4-02	SOLID	N/A	1.306e+04	2.408e+003	ug/g
4	SAMPLE	S95T003796	W	0	@IC-01	OXALATE2	SOLID	N/A	1.071e+04	1.861e+003	ug/g
5	DUP	S95T003796	W	0	@IC-01	F-02	SOLID	3.79e+03	3.32e+03	13.220	RPD
5	DUP	S95T003796	W	0	@IC-01	CL-02	SOLID	2.12e+03	2.38e+03	11.560	RPD
5	DUP	S95T003796	W	0	@IC-01	NO2-02	SOLID	3.32e+04	3.31e+04	0.300	RPD
5	DUP	S95T003796	W	0	@IC-01	BR-02	SOLID	<2.23e3	<2.24e3		RPD
5	DUP	S95T003796	W	0	@IC-01	NO3-02	SOLID	1.60e+05	1.62e+05	1.240	RPD
5	DUP	S95T003796	W	0	@IC-01	PO4-02	SOLID	1.53e+04	1.20e+04	24.180	RPD
5	DUP	S95T003796	W	0	@IC-01	SO4-02	SOLID	1.31e+04	1.18e+04	10.440	RPD
5	DUP	S95T003796	W	0	@IC-01	OXALATE2	SOLID	1.07e+04	9.66e+03	10.220	RPD
6	SPK	S95T003796	W	0	@IC-01	F-02	SOLID	59	55.607	94.250	% Recovery

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

LABCORE Completed Worklist Report for Worklist# 4687

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S95T003796	0	W	@IC-01	CL-02	SOLID	79	69.692	88.220	% Recovery
6	SPK	S95T003796	0	W	@IC-01	NO2-02	SOLID	534	504.615	94.500	% Recovery
6	SPK	S95T003796	0	W	@IC-01	BR-02	SOLID	575	548.000	95.300	% Recovery
6	SPK	S95T003796	0	W	@IC-01	NO3-02	SOLID	614	656.966	107.000	% Recovery
6	SPK	S95T003796	0	W	@IC-01	PO4-02	SOLID	546	520.893	95.400	% Recovery
6	SPK	S95T003796	0	W	@IC-01	SO4-02	SOLID	631	598.551	94.860	% Recovery
6	SPK	S95T003796	0	W	@IC-01	OXALATE2	SOLID	526	517.933	98.470	% Recovery
7	SAMPLE	S95T003797	0	W	@IC-01	F-02	SOLID	N/A	1.001e+04	259.900	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	CL-02	SOLID	N/A	2.923e+03	339.900	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	NO2-02	SOLID	N/A	4.490e+04	2.139e+003	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	BR-02	SOLID	N/A <	2.519e+03	2.519e+003	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	NO3-02	SOLID	N/A	8.154e+04	2.797e+003	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	PO4-02	SOLID	N/A	3.733e+04	2.397e+003	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	SO4-02	SOLID	N/A	3.207e+04	2.717e+003	ug/g
7	SAMPLE	S95T003797	0	W	@IC-01	OXALATE2	SOLID	N/A	2.773e+04	2.099e+003	ug/g
8	DUP	S95T003797	0	W	@IC-01	F-02	SOLID	1.00e+04	1.10e+04	9.520	RPD
8	DUP	S95T003797	0	W	@IC-01	CL-02	SOLID	2.92e+03	3.10e+03	5.980	RPD
8	DUP	S95T003797	0	W	@IC-01	NO2-02	SOLID	4.49e+04	4.78e+04	6.260	RPD
8	DUP	S95T003797	0	W	@IC-01	BR-02	SOLID	<2.52e3	<2.52e3		RPD
8	DUP	S95T003797	0	W	@IC-01	NO3-02	SOLID	8.15e+04	1.03e+05	23.310	RPD
8	DUP	S95T003797	0	W	@IC-01	PO4-02	SOLID	3.73e+04	3.70e+04	0.810	RPD
8	DUP	S95T003797	0	W	@IC-01	SO4-02	SOLID	3.21e+04	3.41e+04	6.040	RPD
8	DUP	S95T003797	0	W	@IC-01	OXALATE2	SOLID	2.77e+04	2.92e+04	5.270	RPD

Final page for worklist# 4687

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 2/27/96

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

LABCORE Data Entry Template for Worklist# 4687

Analyst: [illegible] **Instrument:** IC01 _____ **Book#** L22K19-E

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

Worklist Comment: BY-104 FOR IC RTS

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	S95T003796	0	W	@IC-01	SOLID	95000200	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S95T003796	0	W	@IC-01	SOLID		
6	SPK	S95T003796	0	W	@IC-01	SOLID		
7	SAMPLE	S95T003797	0	W	@IC-01	SOLID	95000200	BY104 ROTARY
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S95T003797	0	W	@IC-01	SOLID		

Final page for worklist # 4687

[illegible] 2/19/96

Analyst Signature **Date**

Analyst Signature **Date**

F. M. Skell

uploaded M. Smith 2/27/96

Data Entry Comments:

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

A-0010-IC DATA FILE/WORKLIST RESOLUTION 27-Feb-96

Worklist#: 4687

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S95T003796
=>	5	DUP	S95T003796
=>	6	SPK	S95T003796
=>	7	SAMPLE	S95T003797
=>	8	DUP	S95T003797

Data File: 4687FEB.CSV

Seq#	Data File	Sample Name	Dilution
1	96021901.d03	CCB	1.00
	96021901.d04	CCV 122N9-E	101.00
	96021901.d05	CCV 122N9-E	101.00
2	96021901.d06	CCV 122N9-E	101.00
3	96021901.d07	PREP BLANK	1.00
4	96021901.d08	S95T003796	101.00
5	96021901.d09	S95T003796 DUP	101.00
6	96021901.d10	S95T003796 SPIK	101.00
7	96021901.d11	S95T003797	101.00
8	96021901.d12	S95T003797 DUP	101.00

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

```
==============================================================================
| Sample Name: CCB                                  Date: 02/19/1996 11:22:41  |
| Data File  : C:\DX\DATA\96021901.D03                                         |
| Method     : C:\DX\METHOD\KIT.MET                 WHC-SD-WM-DP-164, REV. 1   |
| ACI Address: 1  System: 1  Inject#: 3                        Detector:CDM-2  |
| Analyst    :                Column: AG4A/AS4A anion column                  |
==============================================================================
```

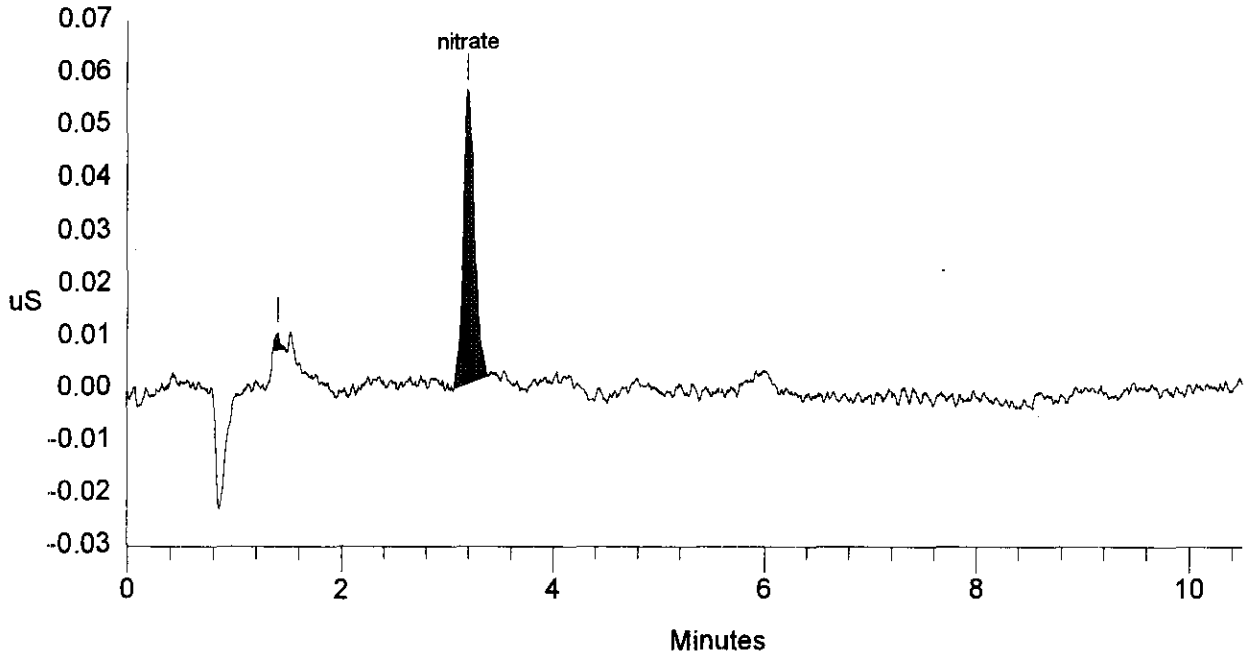
2-19-96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.20	nitrate	0.272	55648	410136	1	1.59
		Totals	0.272	55648	410136		

File: 96021901.D03 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 586 TO 593.

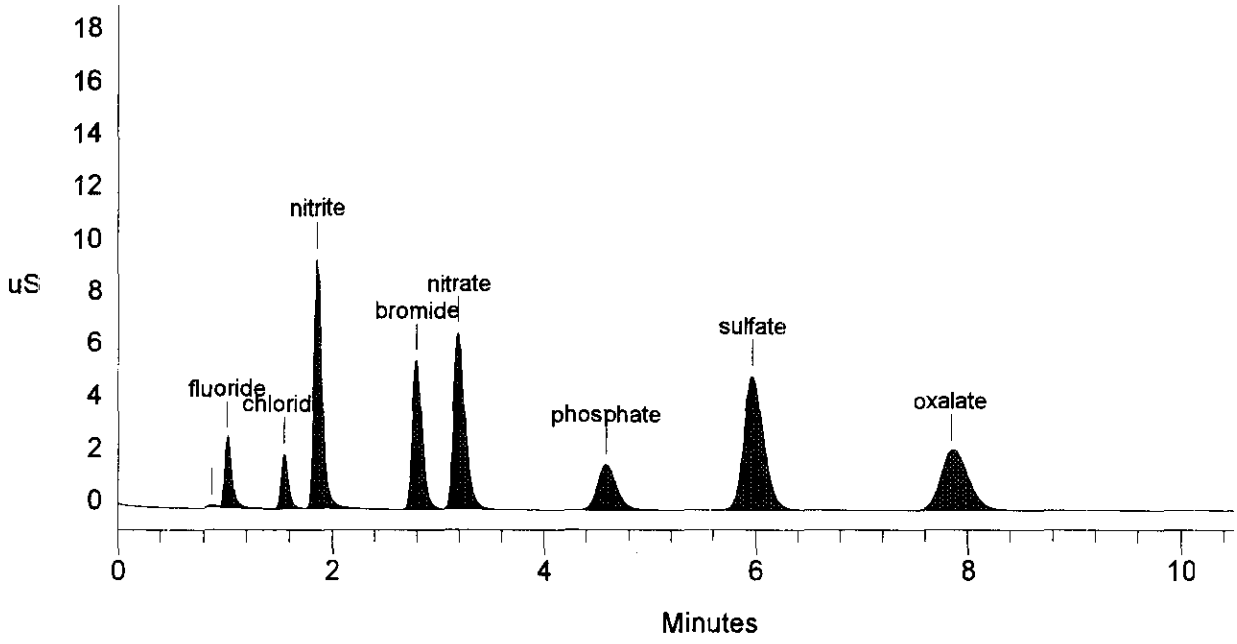
Sample Name: CCV 122N9-E Date: 02/19/1996 14:30:52
Data File : C:\DX\DATA\96021901.D06
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-2
Analyst : [illegible] 3/1/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	75833	329115	2	
2	1.02	fluoride	58.496	2628047	12355953	2	0.99
3	1.55	chloride	73.727	2083209	9747842	1	-1.49
4	1.86	nitrite	518.872	9541843	49659648	1	-2.62
5	2.79	bromide	579.673	5670683	36051476	1	-0.95
6	3.19	nitrate	621.280	6693734	50032134	1	1.16
7	4.59	phosphate	547.175	1729482	21747830	1	-2.20
8	5.97	sulfate	629.087	5097248	66243222	1	-3.50
9	7.84	oxalate	533.335	2275471	41993304	1	-3.33
		Totals	3561.646	35795550	288160524		

File: 96021901.D06 Sample: CCV 122N9-E



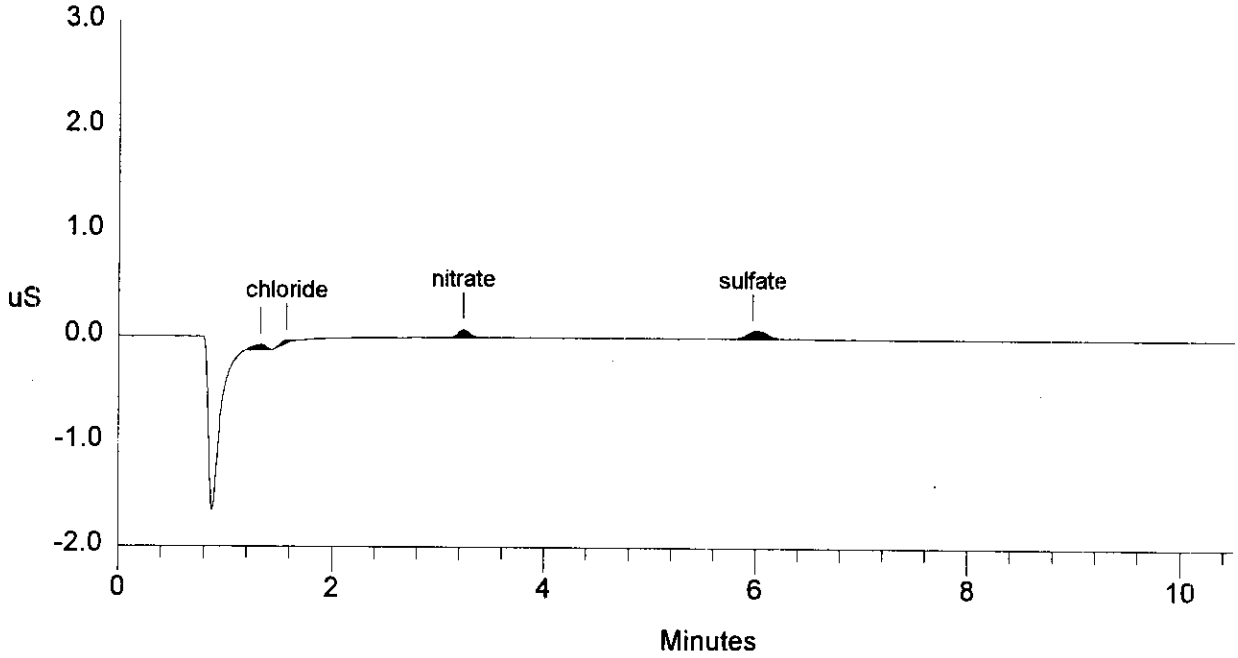
Sample Name: PREP BLANK Date: 02/19/1996 14:44:35
Data File : C:\DX\DATA\96021901.D07
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-2
Analyst : [illegible] Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.33		0.000	48330	401018	1	
2	1.57	chloride	0.022	29797	163523	1	-0.21
3	3.23	nitrate	0.289	75885	555772	1	2.65
4	5.97	sulfate	0.288	71757	1208832	1	-3.50
		Totals	0.599	225769	2329145		

File: 96021901.D07 Sample: PREP BLANK



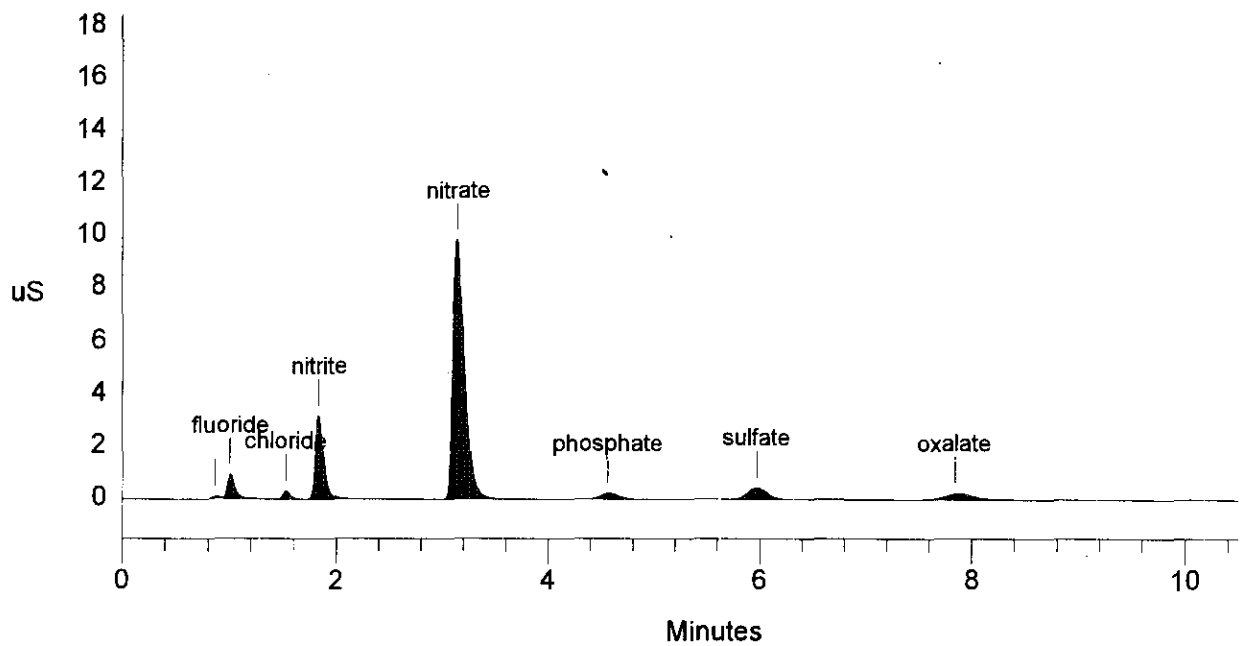
Sample Name: S95T003796 Date: 02/19/1996 14:58:39
Data File : C:\DX\DATA\96021901.D08
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10:50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	74416	323659	2	
2	1.01	fluoride	21.593	889780	4325767	2	-0.33
3	1.53	chloride	12.108	314177	1479184	1	-2.76
4	1.83	nitrite	189.385	3181810	17112126	1	-4.01
5	3.14	nitrate	913.034	9844039	74907084	1	-0.32
6	4.56	phosphate	87.107	222833	2993108	1	-2.77
7	5.97	sulfate	74.449	444428	6056066	1	-3.50
8	7.84	oxalate	61.067	230628	4599776	1	-3.33
		Totals	1358.743	15202110	111796770		

File: 96021901.D08 Sample: S95T003796



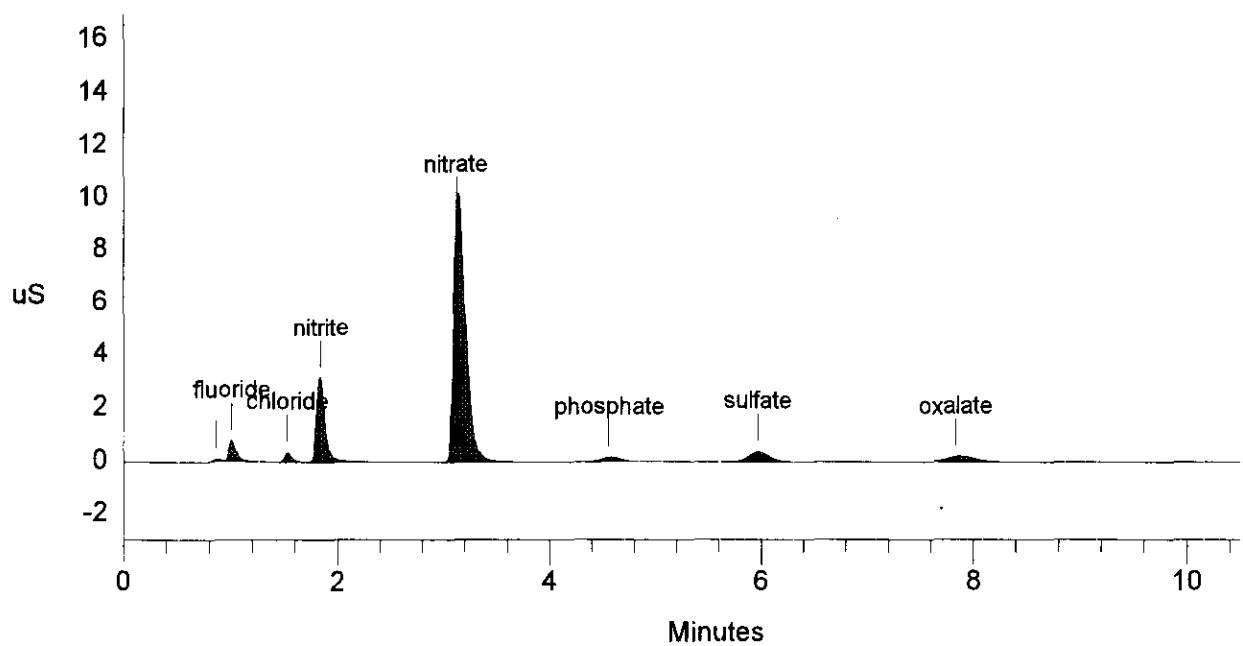
Sample Name: S95T003796 DUP Date: 02/19/1996 15:11:09
Data File : C:\DX\DATA\96021901.D09 WHC-SD-WM-DP-164, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-2
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	73113	325419	2	
2	1.01	fluoride	18.860	775650	3732375	2	-0.33
3	1.53	chloride	13.513	358192	1666470	1	-2.76
4	1.83	nitrite	188.234	3170734	16998644	1	-4.01
5	3.12	nitrate	922.773	9415241	75743302	1	-0.95
6	4.56	phosphate	68.368	175394	2239966	1	-2.77
7	5.97	sulfate	66.936	391128	5253222	1	-3.50
8	7.84	oxalate	54.896	211048	4114220	1	-3.33
		Totals	1333.581	14570500	110073618		

File: 96021901.D09 Sample: S95T003796 DUP



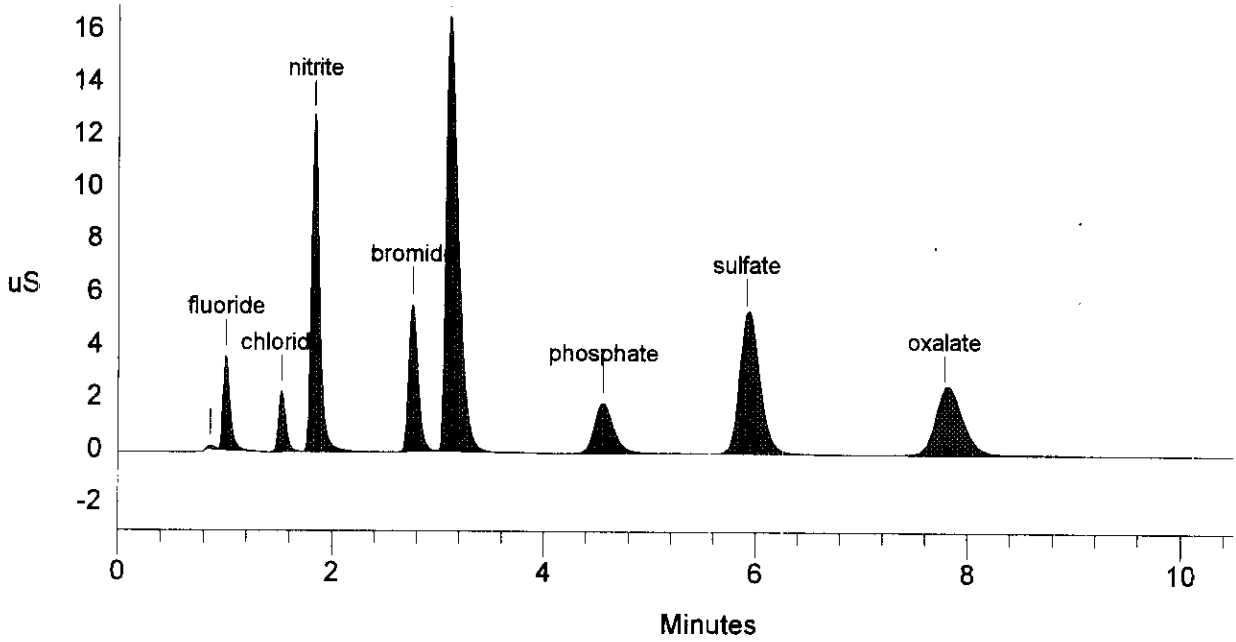
Sample Name: S95T003796 SPIKE Date: 02/19/1996 15:23:53
Data File : C:\DX\DATA\96021901.D10
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 10 Detector: CDM-2
Analyst : [illegible] Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	154389	675157	2	
2	1.01	fluoride	77.193	3596446	16435843	2	-0.33
3	1.53	chloride	81.781	2309317	10836958	1	-2.76
4	1.83	nitrite	693.946	12726236	67013468	1	-4.01
5	2.76	bromide	547.832	5598270	33976580	1	-2.13
6	3.11	nitrate	1569.610	16497300	132171258	1	-1.38
7	4.56	phosphate	607.548	1916282	24247832	1	-2.77
8	5.92	sulfate	672.548	5231290	71038102	1	-4.36
9	7.79	oxalate	578.893	2412302	45625304	1	-3.99
		Totals	4829.351	50441832	402020502		

File: 96021901.D10 Sample: S95T003796 SPIKE



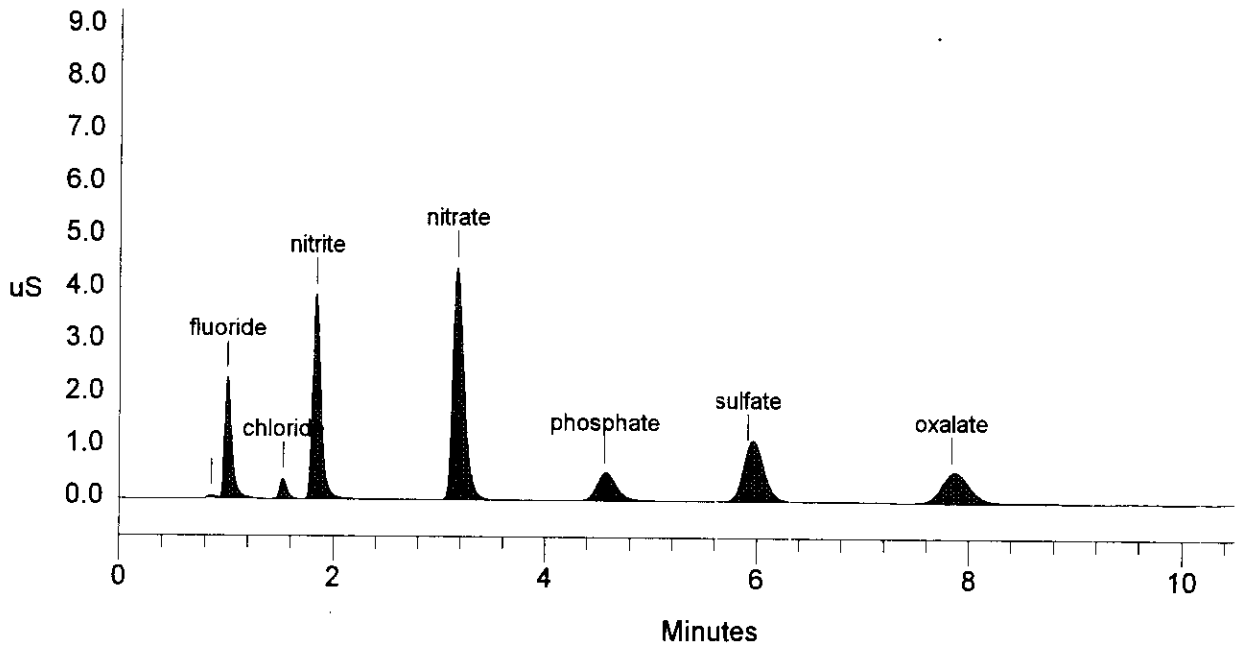
Sample Name: S95T003797 Date: 02/19/1996 15:36:55
Data File : C:\DX\DATA\96021901.D11
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-2
Analyst : N Smith 3/7/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	20000

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.86		0.000	50231	234137	2	
2	1.01	fluoride	50.585	2287272	10631959	2	-0.33
3	1.53	chloride	14.767	380790	1833734	1	-2.34
4	1.84	nitrite	226.815	3897893	20802240	1	-3.66
5	3.17	nitrate	411.960	4415654	32390264	1	0.53
6	4.56	phosphate	188.572	523438	7085418	1	-2.77
7	5.92	sulfate	162.035	969670	15440208	1	-4.36
8	7.84	oxalate	140.018	557458	10818776	1	-3.33
		Totals	1194.753	13082405	99236736		

File: 96021901.D11 Sample: S95T003797



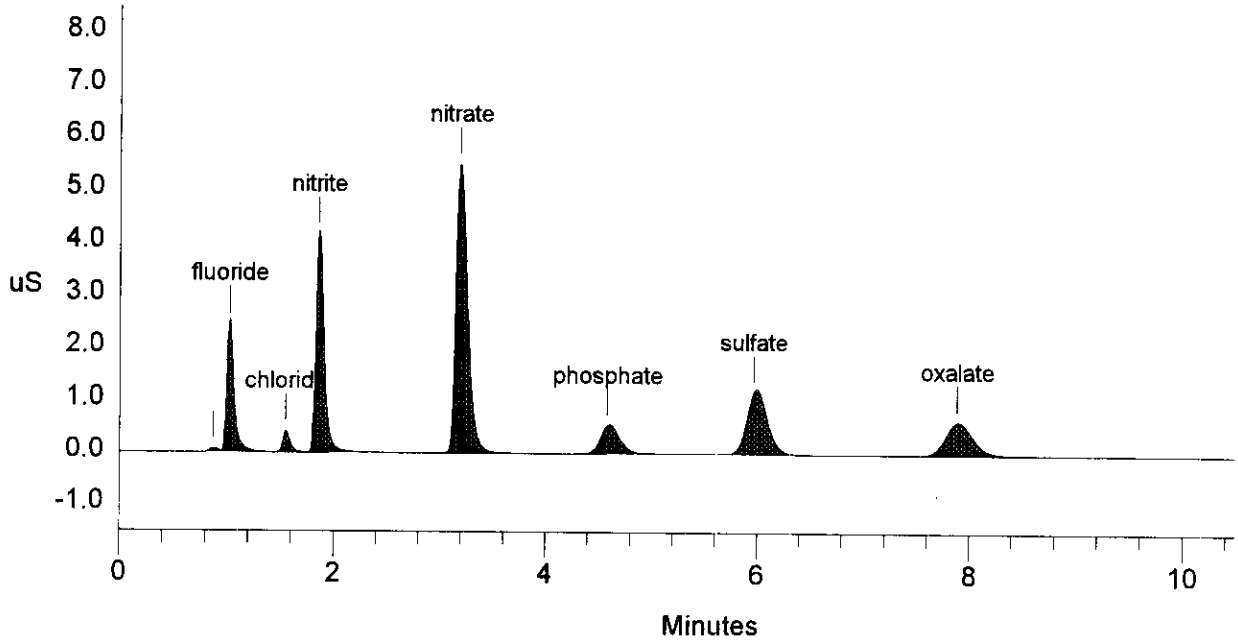
Sample Name: S95T003797 DUP
Date: 02/19/1996 15:49:16
Data File : C:\DX\DATA\96021901.D12
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-164, REV. 1
ACI Address: 1 System: 1 Inject#: 12
Detector:CDM-2
Analyst :
Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50	20000	

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

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.87		0.000	49711	226162	2	
2	1.03	fluoride	55.468	2445737	11695990	2	1.65
3	1.55	chloride	15.662	414877	1953042	1	-1.06
4	1.86	nitrite	241.932	4166164	22293062	1	-2.62
5	3.19	nitrate	522.933	5493575	41722300	1	1.38
6	4.59	phosphate	187.000	539020	7021816	1	-2.20
7	5.97	sulfate	172.683	1176420	16584106	1	-3.50
8	7.89	oxalate	147.685	635521	11423400	1	-2.67
		Totals	1343.364	14921024	112919878		

File: 96021901.D12 Sample: S95T003797 DUP



LABCORE Completed Worklist Report for Worklist# 4688

Analyst: krq **Instrument:** IC01 **Book#** 122N9-G

Method: 64-533-105 Rev/Mod D-1

Worklist Comment: BY-104 FOR IC 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		2.52e-01	0.250	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		5.54e+01	93.900	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.35e+01	93.040	% Recovery
2	CCV			0	@IC-QC	NO2	QC	543		5.40e+02	99.450	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.63e+02	97.910	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.95e+02	96.910	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.23e+02	95.790	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.17e+02	97.780	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	516		5.10e+02	98.840	% 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		2.40e-02	2.000e-002	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		4.28e-01	0.430	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		2.01e-01	0.200	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	F-02	SOLID	N/A		3.556e+03	103.700	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	CL-02	SOLID	N/A		1.998e+03	135.600	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	NO2-02	SOLID	N/A		2.213e+04	853.500	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	BR-02	SOLID	N/A	<	1.005e+03	1.005e+003	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	NO3-02	SOLID	N/A		4.816e+05	1.116e+003	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	PO4-02	SOLID	N/A		6.537e+03	956.400	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	SO4-02	SOLID	N/A		1.498e+04	1.084e+003	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	OXALATE2	SOLID	N/A		1.074e+04	837.500	ug/g
5	DUP	S95T003814	W	0	@IC-01	F-02	SOLID	3.56e+03		2.97e+03	18.070	RPD
5	DUP	S95T003814	W	0	@IC-01	CL-02	SOLID	2.00e+03		1.14e+03	54.780	RPD
5	DUP	S95T003814	W	0	@IC-01	NO2-02	SOLID	2.21e+04		1.97e+04	11.480	RPD
5	DUP	S95T003814	W	0	@IC-01	BR-02	SOLID	<1.00e3		<1.00e3		RPD
5	DUP	S95T003814	W	0	@IC-01	NO3-02	SOLID	4.82e+05		4.68e+05	2.950	RPD
5	DUP	S95T003814	W	0	@IC-01	PO4-02	SOLID	6.54e+03		2.80e+03	80.090	RPD
5	DUP	S95T003814	W	0	@IC-01	SO4-02	SOLID	1.50e+04		1.49e+04	0.670	RPD
5	DUP	S95T003814	W	0	@IC-01	OXALATE2	SOLID	1.07e+04		1.14e+04	6.330	RPD
6	SPK	S95T003814	W	0	@IC-01	F-02	SOLID	59		52.050	88.220	% Recovery

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

WHC-SD-WM-DP-164, REV. 1

LABCORE Completed Worklist Report for Worklist# 4688

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S95T003814	0	W	@IC-01	CL-02	SOLID	79		59.322	75.090	% Recovery
6	SPK	S95T003814	0	W	@IC-01	NO2-02	SOLID	543		505.647	93.120	% Recovery
6	SPK	S95T003814	0	W	@IC-01	BR-02	SOLID	575		495.000	86.090	% Recovery
6	SPK	S95T003814	0	W	@IC-01	NO3-02	SOLID	614		511.250	83.270	% Recovery
6	SPK	S95T003814	0	W	@IC-01	PO4-02	SOLID	546		473.495	86.720	% Recovery
6	SPK	S95T003814	0	W	@IC-01	SO4-02	SOLID	631		570.020	90.340	% Recovery
6	SPK	S95T003814	0	W	@IC-01	OXALATE2	SOLID	516		489.517	94.870	% Recovery
7	SAMPLE	S95T003798	0	W	@IC-01	F-02	SOLID	N/A		3.766e+03	101.300	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	CL-02	SOLID	N/A		2.759e+03	132.400	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	NO2-02	SOLID	N/A		4.718e+04	833.600	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	BR-02	SOLID	N/A	<	9.816e+02	981.600	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	NO3-02	SOLID	N/A		2.265e+05	1.090e+003	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	PO4-02	SOLID	N/A		4.748e+03	934.100	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	SO4-02	SOLID	N/A		1.662e+04	1.059e+003	ug/g
7	SAMPLE	S95T003798	0	W	@IC-01	OXALATE2	SOLID	N/A		1.221e+04	818.000	ug/g
8	DUP	S95T003798	0	W	@IC-01	F-02	SOLID	3.77e+03		3.80e+03	0.790	RPD
8	DUP	S95T003798	0	W	@IC-01	CL-02	SOLID	2.76e+03		2.60e+03	5.970	RPD
8	DUP	S95T003798	0	W	@IC-01	NO2-02	SOLID	4.72e+04		4.45e+04	5.890	RPD
8	DUP	S95T003798	0	W	@IC-01	BR-02	SOLID	<9.82e2		<9.93e2		RPD
8	DUP	S95T003798	0	W	@IC-01	NO3-02	SOLID	2.26e+05		2.33e+05	3.050	RPD
8	DUP	S95T003798	0	W	@IC-01	PO4-02	SOLID	4.75e+03		6.31e+03	28.210	RPD
8	DUP	S95T003798	0	W	@IC-01	SO4-02	SOLID	1.66e+04		1.61e+04	3.060	RPD
8	DUP	S95T003798	0	W	@IC-01	OXALATE2	SOLID	1.22e+04		1.22e+04	0.000	RPD
9	SAMPLE	S95T003683	0	W	@IC-01	F-02	SOLID	N/A		6.040e+03	100.800	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	CL-02	SOLID	N/A		2.009e+03	131.900	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	NO2-02	SOLID	N/A		3.277e+04	829.900	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	BR-02	SOLID	N/A	<	9.773e+02	977.300	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	NO3-02	SOLID	N/A		2.140e+05	1.085e+003	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	PO4-02	SOLID	N/A		5.532e+03	930.000	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	SO4-02	SOLID	N/A		2.459e+04	1.054e+003	ug/g
9	SAMPLE	S95T003683	0	W	@IC-01	OXALATE2	SOLID	N/A		1.778e+04	814.400	ug/g
10	DUP	S95T003683	0	W	@IC-01	F-02	SOLID	6.04e+03		6.05e+03	0.170	RPD
10	DUP	S95T003683	0	W	@IC-01	CL-02	SOLID	2.01e+03		2.41e+03	18.100	RPD
10	DUP	S95T003683	0	W	@IC-01	NO2-02	SOLID	3.28e+04		3.91e+04	17.520	RPD
10	DUP	S95T003683	0	W	@IC-01	BR-02	SOLID	<9.77e2		<9.87e2		RPD
10	DUP	S95T003683	0	W	@IC-01	NO3-02	SOLID	2.14e+05		2.37e+05	10.200	RPD
10	DUP	S95T003683	0	W	@IC-01	PO4-02	SOLID	5.53e+03		6.33e+03	13.490	RPD
10	DUP	S95T003683	0	W	@IC-01	SO4-02	SOLID	2.46e+04		2.78e+04	12.210	RPD
10	DUP	S95T003683	0	W	@IC-01	OXALATE2	SOLID	1.78e+04		2.01e+04	12.140	RPD

Final page for worklist# 4688

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

3/1/96

Reviewer Signature **Date**

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

WHC-SD-WM-DP-164, REV. 1

LABCORE Completed Worklist Report for Worklist# 4688

Analyst: krq **Instrument:** IC01 **Book#** 122N96

Method: LA-533-105 Rev/Mod D1

Worklist Comment: BY-104 FOR IC 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		2.52e-01	0.250	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		5.54e+01	93.900	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.35e+01	93.040	% Recovery
2	CCV			0	@IC-QC	NO2	QC	543		5.40e+02	99.450	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.63e+02	97.910	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		5.95e+02	96.910	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.23e+02	95.790	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.17e+02	97.780	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	516		5.10e+02	98.840	% 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		2.40e-02	2.000e-002	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		4.28e-01	0.430	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		2.01e-01	0.200	ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	F-02	SOLID	N/A		3.556e+03	103.700	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	CL-02	SOLID	N/A		1.998e+03	135.600	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	NO2-02	SOLID	N/A		2.213e+04	853.500	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	BR-02	SOLID	N/A	<	1.005e+03	1.005e+003	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	NO3-02	SOLID	N/A		4.816e+05	1.116e+003	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	PO4-02	SOLID	N/A		6.537e+03	956.400	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	SO4-02	SOLID	N/A		1.498e+04	1.084e+003	ug/g
4	SAMPLE	S95T003814	W	0	@IC-01	OXALATE2	SOLID	N/A		1.074e+04	837.500	ug/g
5	DUP	S95T003814	W	0	@IC-01	F-02	SOLID	3.56e+03		2.97e+03	18.070	RPD
5	DUP	S95T003814	W	0	@IC-01	CL-02	SOLID	2.00e+03		1.14e+03	54.780	RPD
5	DUP	S95T003814	W	0	@IC-01	NO2-02	SOLID	2.21e+04		1.97e+04	11.480	RPD
5	DUP	S95T003814	W	0	@IC-01	BR-02	SOLID	<1.00e3		<1.00e3		RPD
5	DUP	S95T003814	W	0	@IC-01	NO3-02	SOLID	4.82e+05		4.68e+05	2.950	RPD
5	DUP	S95T003814	W	0	@IC-01	PO4-02	SOLID	6.54e+03		2.80e+03	80.090	RPD
5	DUP	S95T003814	W	0	@IC-01	SO4-02	SOLID	1.50e+04		1.49e+04	0.670	RPD
5	DUP	S95T003814	W	0	@IC-01	OXALATE2	SOLID	1.07e+04		1.14e+04	6.330	RPD
6	SPK	S95T003814	W	0	@IC-01	F-02	SOLID	59		52.050	88.220	% Recovery

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