TABLE OF CONTENTS

Level IV Data Package

MWH Group 223000

Method: EPA 300

2711200572
2711200573

Revision # 3: May 28, 2007

ANIONS QC Checklist
(CHLORIDE, NITRITE, NITRATE & SULFATE)

Analysis Date: 11/20/07 **Analyst:** JS

QC'd by RH **Date** 11/28/07

Instrument: IC3

Calibration including LCS/LCSD(Secondary Source)

✓ LCS/LCSD recovery is within 90% - 110% to verify that the calibration curve still holds.

✓ Correlation Coefficient of calibration curve for quadratic is 0.99 or better (0.995 for linear curve)

Initial QC Check (HCV2, HCV1, MCV, CCB, LOWRL, MRL,MBLANK,) to be analyzed with every batch (up to 20 samples) or part thereof

✓ MBLANK is analyzed before samples. Anions, if present, should be < or = half of the MRL (LOWRL or MRL).

✓ *LOWRL & MRL are within 50% - 150%*

✓ *HCV2, HCV1, MCV, LCS & LCSD are within 90% - 110%*

	CL	NO2-N	NO3	SO4
HCV2	80 (72 – 88)	8 (7.2 – 8.8)	8 (7.2 – 8.8)	160 (144 – 176)
HCV1	50 (45 – 55)	5 (4.5 – 5.5)	5 (4.5 – 5.5)	100 (90 – 110)
MCV	20 (18 – 22)	2 (1.8 – 2.2)	2 (1.8 – 2.2)	40 (36 – 44)
LOWRL	0.125	0.0125 (0.006 – 0.018)	0.0125 (0.006 – 0.018)	0.250 (0.125 – 0.375)
MRL	0.50 (0.25 – 0.75)	0.050 (0.025 – 0.075)	0.050 (0.025 – 0.075)	1.00 (0.50 – 1.50)
LCS/LCSD	25 (22.5 – 27.5)	1.00 (0.90 – 1.10)	2.50 (2.25 – 2.75)	50 (45 – 55)

MS/MSD: Acceptance criteria for : CL=74%-126% NO2-N=78-135% NO3=80%-112% SO4=83%-115%

✓ RPD between MS/MSD is within 10%

✓ One MS per 10 samples, one MSD per 20 samples or part thereof

Continuing Calibration Verification

✓ Verification checks alternate between mid-(MCV) and high- (HCV) levels during the analysis.

✓ Blank analyzed after each MCV and HCV

Samples

✓ All samples should be unpreserved

✓ Samples for nitrate and nitrite are analyzed within 48 hours of collection.

✓ Samples for chloride and sulfate are analyzed within 28 days of collection.

QIR

QIR needed for failed QC

QIR needed for samples analyzed outside of hold time

Misc

Any sample with result above the MCL, inform the project manager

for NO2-N, MCL = 1 ppm (3) for NO3, MCL = 10 ppm

~~2711200573 Kerr~~
~~572~~

NO3-LOW1

SO4-LOW1

NO39056

CL-LF

SO4-LF

(5) Change MDL for NO2-N & NO3 to 0.0125 for samples diluted more than 10X.

2711200573 Kerr
572
778
780
781

NO3

2711200754 13 Valley CO
2711200845 14 Upland
0807 18 " - re-run on 11/21

File ID: 112007an

NO3

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
autocal1	10/22/07	09:28	1	0	ND		
autocal2	10/22/07	09:42	1	.01373557	ND		
autocal3	10/22/07	09:56	1	.02902094	ND		
autocal4	10/22/07	10:09	1	.04479991	ND		
autocal5	10/22/07	10:23	1	.10721	0.11		
autocal6	10/22/07	10:37	1	.18469	0.18		
autocal7	10/22/07	10:50	1	.49189	0.49		
autocal8	10/22/07	11:04	1	.96852	0.97		
autocal9	10/22/07	11:18	1	2.4848	2.5		
autocal10	10/22/07	11:31	1	5.0234	5.0		
autocal11	10/22/07	11:45	1	9.9957	10		
HCV2	11/20/07	09:19	1	7.8777	7.88	90-110	98.4%
HCV1	11/20/07	09:33	1	5.0078	5.01	90-110	100%
MCV	11/20/07	09:46	1	1.8795	1.88	90-110	93.9%
CCB	11/20/07	10:00	1	0	ND		
LOWRL	11/20/07	10:14	1	.01405005	ND	112 ?	
MRL	11/20/07	10:28	1	.04662178	ND ✓	50-150	93.2%
MBLANK	11/20/07	10:41	1	0	ND		
LCS	11/20/07	10:55	1	2.3614	2.36	90-110	94.4%
LCSD	11/20/07	11:08	1	2.4398	2.44	90-110	97.5%
2711190137 ✓	11/20/07	11:22	2	5.2747	5.3 TV 1.25	1.25	jg 11/23/07
2711190137MS	11/20/07	11:36	2	7.7740	7.77	[~~2.499~~]	99.9%
2711190137MSD	11/20/07	11:49	2	7.7798	7.78 1.25	[~~2.505~~]	100%
2711190137T	11/20/07	11:49	2		2.50	~~90 - 110~~	
2711190138 ✓	11/20/07	12:03	2	5.3458	5.3	80-112 ?	
2711150050_1/500	11/20/07	12:17	500	0	ND		
2711200573_1/50 ✓	11/20/07	12:30	50	13.252	13		
2711200572_1/50	11/20/07	12:44	50	0	ND		
2711200778_1/25 ✓	11/20/07	12:58	25	13.158	13		
2711200780_1/25 ✓	11/20/07	13:11	25	12.311	12		
2711200781_1/25 ✓	11/20/07	13:25	25	12.507	13		
2711200206_1/5 ✓	11/20/07	13:38	5	6.7798	6.8		
2711200201_1/5 ✓	11/20/07	13:52	5	1.7465	1.7		
MCV	11/20/07	14:06	1	1.9005	1.9	90-110	95.0%
CCB	11/20/07	14:19	1	0	ND		
2711200202 ✓	11/20/07	14:33	5	1.6845	1.7 TV 1.25	3.03	jg 11/23/07
2711200202MS	11/20/07	14:47	5	7.7513	7.75	[~~6.067~~]	97.0%
2711200203_1/5 ✓	11/20/07	15:00	5	1.7682	1.8		
2711200204_1/5 ✓	11/20/07	15:14	5	1.5938	1.6		
2711200205_1/5 ✓	11/20/07	15:28	5	1.6982	1.7		
2711200760 ✓	11/20/07	15:41	1	2.8181	2.8		

xb: [illegible]
11/30/07

File ID: 112007an NO3

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2711200761	11/20/07	15:55	1	2.2110	2.2		
2711200754_1/2	11/20/07	16:08	2	13.164	13		
2711200743_1/2	11/20/07	16:22	2	2.4540	2.5		
2711200743_1/5	11/20/07	16:36	5	2.3978	2.4		
HCV2	11/20/07	16:49	1	7.9118	7.91	90-110	98.8%
HCV1	11/20/07	17:03	1	4.9428	4.94	90-110	98.8%
CCB	11/20/07	17:17	1	0	ND		
LOWRL	11/20/07	17:30	1	.01295126	ND	103%	
MRL	11/20/07	17:44	1	.04582	ND	50-150	91.6%
MBLANK	11/20/07	17:57	1	0	ND		
LCS	11/20/07	18:11	1	2.3544	2.35	90-110	94.1%
LCSD	11/20/07	18:25	1	2.4058	2.41	90-110	96.2%
2711200495	11/20/07	18:38	2	4.4238	4.4	N=1.25 1.28	KS 11/23/07
2711200495MS	11/20/07	18:52	2	6.9781	6.98	[~~2.554~~]	102%
2711200495MSD	11/20/07	19:06	2	6.9087	6.91 1.24	[~~2.485~~]	99.3%
2711200495T	11/20/07	19:06	2		2.50	~~90 - 110~~	
2711200497_1/2	11/20/07	19:19	2	3.8379	3.8	81-112%	
2711200682_1/2	11/20/07	19:33	2	1.6628	1.7		
2711200683	11/20/07	19:47	1	.72514	0.73		
2711200685	11/20/07	20:00	1	.73726	0.74		
2711200686_1/2	11/20/07	20:14	2	5.8748	5.9		
2711200689_1/2	11/20/07	20:27	2	.75374	0.75		
2711200688_1/2	11/20/07	20:41	2	2.8681	2.9		
2711200730_1/2	11/20/07	20:55	2	6.3670	6.4		
2711200731	11/20/07	21:08	1	.81287	0.81		
MCV	11/20/07	21:22	1	1.9082	1.91	90-110	95.4%
CCB	11/20/07	21:36	1	0	ND		
2711200732	11/20/07	21:49	1	.68214	0.68		
2711160106	11/20/07	22:03	1	.50780	0.51 N=1.25		KS 11/23/07
2711160106MS	11/20/07	22:17	1	1.7076	1.71	[1.200]	95.9%
2711200526_1/2	11/20/07	22:30	2	1.3966	1.4		
2711200845_1/2	11/20/07	22:44	2	14.512	15		
2711200828	11/20/07	22:57	1	1.8824	1.9		
2711200807	11/20/07	23:11	1	18.476	18		
2711200821	11/20/07	23:25	1	.01829178	ND		
2711200822	11/20/07	23:38	1	.005827271	ND		
2711200823	11/20/07	23:52	1	.01264028	ND		
2711200824	11/21/07	00:06	1	.01630303	ND		
HCV2	11/21/07	00:19	1	7.9722	7.97	90-110	99.6%
HCV1	11/21/07	00:33	1	4.9223	4.92	90-110	98.4%
CCB	11/21/07	00:47	1	0	ND		

File ID: 112007an

NO3

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
LOWRL	11/21/07	01:00	1	.01408	ND		
MRL	11/21/07	01:14	1	.04592941	ND	50-150	91.8%
MBLANK	11/21/07	01:27	1	0	ND		
LCS	11/21/07	01:41	1	2.3850	2.39 ✓	90-110	95.4%
LCSD	11/21/07	01:55	1	2.4049	2.4 ✓	90-110	96.1%
2711200373	11/21/07	02:08	2	5.8749	5.9	1.23 ✓	
2711200373MS	11/21/07	02:22	2	8.3337	8.33	[~~2.459~~]	98.3%
2711200373MSD	11/21/07	02:36	2	8.3323	8.33 1.23	[~~2.457~~]	98.2%
2711200373T	11/21/07	02:36	2		2.50	~~90 - 110~~ 80-112	
2711200378_1/2	11/21/07	02:49	2	8.7471	8.7		
2711200825	11/21/07	03:03	1	9.5135	9.5		
2711200826	11/21/07	03:17	1	1.4679	1.5		
2711200827	11/21/07	03:30	1	1.3488	1.3		
2711200390_1/2	11/21/07	03:44	2	5.2282	5.2		
2711200391_1/2	11/21/07	03:57	2	5.1815	5.2		
2711200392_1/2	11/21/07	04:11	2	5.2086	5.2		
2711200393_1/2	11/21/07	04:25	2	5.2010	5.2		
2711200394_1/2	11/21/07	04:38	2	5.2502	5.3		
MCV	11/21/07	04:52	1	1.8822	1.88	90-110	94.1%
CCB	11/21/07	05:06	1	0	ND		
2711200395	11/21/07	05:19	2	5.2551	5.3	1.23	
2711200395MS	11/21/07	05:33	2	7.7254	7.73	[~~2.470~~]	98.8%
2711200396_1/2	11/21/07	05:47	2	5.2435	5.2		
2711200403_1/2	11/21/07	06:00	2	5.1869	5.2 ✓		
2711200852_1/2	11/21/07	06:14	2	4.1088	4.1 ✓		
2711200853_1/2	11/21/07	06:27	2	4.1332	4.1 ✓		
2711200856_1/2	11/21/07	06:41	2	4.1326	4.1 ✓		
2711200857_1/2	11/21/07	06:55	2	4.1352	4.1 ✓		
2711200860_1/2	11/21/07	07:08	2	4.1499	4.1 ✓		
2711200862_1/2	11/21/07	07:22	2	4.1528	4.2 ✓		
2711200820_1/2	11/21/07	07:36	2	3.3947	3.4		
HCV2	11/21/07	07:49	1	8.1198	8.12	90-110	101%
HCV1	11/21/07	08:03	1	5.0276	5.03	90-110	100%
CCB	11/21/07	08:16	1	0	ND		
			0	N/A	ND		

SUMMARY SHEET

File ID: 112007an
Date Started: 10/22/07
Analyst ID: jkz

SAMPLE ID

autocal1	(09:28)	autocal2	(09:42)	autocal3	(09:56)
autocal4	(10:09)	autocal5	(10:23)	autocal6	(10:37)
autocal7	(10:50)	autocal8	(11:04)	autocal9	(11:18)
autocal10	(11:31)	autocal11	(11:45)	LOWRL	(10:14)
2711190137	(11:22)	2711190138	(12:03)	2711150050_1	(12:17)
2711200573_1	(12:30)	2711200572_1	(12:44)	2711200778_1	(12:58)
2711200780_1	(13:11)	2711200781_1	(13:25)	2711200206_1	(13:38)
2711200201_1	(13:52)	2711200202	(14:33)	2711200203_1	(15:00)
2711200204_1	(15:14)	2711200205_1	(15:28)	2711200760	(15:41)
2711200761	(15:55)	2711200754_1	(16:08)	2711200743_1	(16:22)
2711200743_1	(16:36)	LOWRL	(17:30)	2711200495	(18:38)
2711200497_1	(19:19)	2711200682_1	(19:33)	2711200683	(19:47)
2711200685	(20:00)	2711200686_1	(20:14)	2711200689_1	(20:27)
2711200688_1	(20:41)	2711200730_1	(20:55)	2711200731	(21:08)
2711200732	(21:49)	2711160106	(22:03)	2711200526_1	(22:30)
2711200845_1	(22:44)	2711200828	(22:57)	2711200807	(23:11)
2711200821	(23:25)	2711200822	(23:38)	2711200823	(23:52)
2711200824	(00:06)	LOWRL	(01:00)	2711200373	(02:08)
2711200378_1	(02:49)	2711200825	(03:03)	2711200826	(03:17)
2711200827	(03:30)	2711200390_1	(03:44)	2711200391_1	(03:57)
2711200392_1	(04:11)	2711200393_1	(04:25)	2711200394_1	(04:38)
2711200395	(05:19)	2711200396_1	(05:47)	2711200403_1	(06:00)
2711200852_1	(06:14)	2711200853_1	(06:27)	2711200856_1	(06:41)
2711200857_1	(06:55)	2711200860_1	(07:08)	2711200862_1	(07:22)
2711200820_1	(07:36)		()		

COMMENT:

Analyst: jkz

Approved By: RH

File ID: 112007an RUN - LOG

Sample ID	Date	Time	Dil
autocal1	10/22/07	09:28	1
autocal2	10/22/07	09:42	1
autocal3	10/22/07	09:56	1
autocal4	10/22/07	10:09	1
autocal5	10/22/07	10:23	1
autocal6	10/22/07	10:37	1
autocal7	10/22/07	10:50	1
autocal8	10/22/07	11:04	1
autocal9	10/22/07	11:18	1
autocal10	10/22/07	11:31	1
autocal11	10/22/07	11:45	1
HCV2	11/20/07	09:19	1
HCV1	11/20/07	09:33	1
MCV	11/20/07	09:46	1
CCB	11/20/07	10:00	1
LOWRL	11/20/07	10:14	1
MRL	11/20/07	10:28	1
MBLANK	11/20/07	10:41	1
LCS	11/20/07	10:55	1
LCSD	11/20/07	11:08	1
2711190137	11/20/07	11:22	2
2711190137MS	11/20/07	11:36	2
2711190137MSD	11/20/07	11:49	2
2711190138	11/20/07	12:03	2
2711150050_1/500	11/20/07	12:17	500
2711200573_1/50	11/20/07	12:30	50
2711200572_1/50	11/20/07	12:44	50
2711200778_1/25	11/20/07	12:58	25
2711200780_1/25	11/20/07	13:11	25
2711200781_1/25	11/20/07	13:25	25
2711200206_1/5	11/20/07	13:38	5
2711200201_1/5	11/20/07	13:52	5
MCV	11/20/07	14:06	1
CCB	11/20/07	14:19	1
2711200202	11/20/07	14:33	5
2711200202MS	11/20/07	14:47	5
2711200203_1/5	11/20/07	15:00	5
2711200204_1/5	11/20/07	15:14	5
2711200205_1/5	11/20/07	15:28	5
2711200760	11/20/07	15:41	1
2711200761	11/20/07	15:55	1
2711200754_1/2	11/20/07	16:08	2
2711200743_1/2	11/20/07	16:22	2
2711200743_1/5	11/20/07	16:36	5
HCV2	11/20/07	16:49	1
HCV1	11/20/07	17:03	1
CCB	11/20/07	17:17	1
LOWRL	11/20/07	17:30	1
MRL	11/20/07	17:44	1

&l1o File ID: 112007an RUN - LOG

Sample ID	Date	Time	Dil
MBLANK	11/20/07	17:57	1
LCS	11/20/07	18:11	1
LCSD	11/20/07	18:25	1
2711200495	11/20/07	18:38	2
2711200495MS	11/20/07	18:52	2
2711200495MSD	11/20/07	19:06	2
2711200497_1/2	11/20/07	19:19	2
2711200682_1/2	11/20/07	19:33	2
2711200683	11/20/07	19:47	1
2711200685	11/20/07	20:00	1
2711200686_1/2	11/20/07	20:14	2
2711200689_1/2	11/20/07	20:27	2
2711200688_1/2	11/20/07	20:41	2
2711200730_1/2	11/20/07	20:55	2
2711200731	11/20/07	21:08	1
MCV	11/20/07	21:22	1
CCB	11/20/07	21:36	1
2711200732	11/20/07	21:49	1
2711160106	11/20/07	22:03	1
2711160106MS	11/20/07	22:17	1
2711200526_1/2	11/20/07	22:30	2
2711200845_1/2	11/20/07	22:44	2
2711200828	11/20/07	22:57	1
2711200807	11/20/07	23:11	1
2711200821	11/20/07	23:25	1
2711200822	11/20/07	23:38	1
2711200823	11/20/07	23:52	1
2711200824	11/21/07	00:06	1
HCV2	11/21/07	00:19	1
HCV1	11/21/07	00:33	1
CCB	11/21/07	00:47	1
LOWRL	11/21/07	01:00	1
MRL	11/21/07	01:14	1
MBLANK	11/21/07	01:27	1
LCS	11/21/07	01:41	1
LCSD	11/21/07	01:55	1
2711200373	11/21/07	02:08	2
2711200373MS	11/21/07	02:22	2
2711200373MSD	11/21/07	02:36	2
2711200378_1/2	11/21/07	02:49	2
2711200825	11/21/07	03:03	1
2711200826	11/21/07	03:17	1
2711200827	11/21/07	03:30	1
2711200390_1/2	11/21/07	03:44	2
2711200391_1/2	11/21/07	03:57	2
2711200392_1/2	11/21/07	04:11	2
2711200393_1/2	11/21/07	04:25	2
2711200394_1/2	11/21/07	04:38	2
MCV	11/21/07	04:52	1
CCB	11/21/07	05:06	1

File ID: 112007an RUN - LOG

Sample ID	Date	Time	Dil
2711200395	11/21/07	05:19	2
2711200395MS	11/21/07	05:33	2
2711200396_1/2	11/21/07	05:47	2
2711200403_1/2	11/21/07	06:00	2
2711200852_1/2	11/21/07	06:14	2
2711200853_1/2	11/21/07	06:27	2
2711200856_1/2	11/21/07	06:41	2
2711200857_1/2	11/21/07	06:55	2
2711200860_1/2	11/21/07	07:08	2
2711200862_1/2	11/21/07	07:22	2
2711200820_1/2	11/21/07	07:36	2
HCV2	11/21/07	07:49	1
HCV1	11/21/07	08:03	1
CCB	11/21/07	08:16	1
			0

BATCH NUMBER for 112007an

Test Parameter:

CL NO2-N NO3 SO4 NO3A

Batch ID: 2711190137

2711190137	2711190138	2711150050_1/500
2711200573_1/50	2711200572_1/50	2711200778_1/25
2711200780_1/25	2711200781_1/25	2711200206_1/5
2711200201_1/5	2711200202	2711200203_1/5
2711200204_1/5	2711200205_1/5	2711200760
2711200761	2711200754_1/2	2711200743_1/2
2711200743_1/5		

Batch ID: 2711200495

2711200495	2711200497_1/2	2711200682_1/2
2711200683	2711200685	2711200686_1/2
2711200689_1/2	2711200688_1/2	2711200730_1/2
2711200731	2711200732	2711160106
2711200526_1/2	2711200845_1/2	2711200828
2711200807	2711200821	2711200822
2711200823	2711200824	

Batch ID: 2711200373

2711200373	2711200378_1/2	2711200825
2711200826	2711200827	2711200390_1/2
2711200391_1/2	2711200392_1/2	2711200393_1/2
2711200394_1/2	2711200395	2711200396_1/2
2711200403_1/2	2711200852_1/2	2711200853_1/2
2711200856_1/2	2711200857_1/2	2711200860_1/2
2711200862_1/2	2711200820_1/2	

45,	HCV2,	11/20/07 16:49,	1.0,	76.57631743,	7.949952295,	7.9118336,	153.969754,
46,	HCV1,	11/20/07 17:03,	1.0,	50.62950093,	4.957556473,	4.9428737,	100.617179,
47,	CCB,	11/20/07 17:17,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
48,	LOWRL,	11/20/07 17:30,	1.0,	0.133738985,	0.017673717,	0.0129513,	0.26394706,
49,	MRL,	11/20/07 17:44,	1.0,	0.417472215,	0.05107819,	0.0458276,	0.89992552,
50,	MBLANK,	11/20/07 17:57,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
51,	LCS,	11/20/07 18:11,	1.0,	25.04885397,	0.975525546,	2.354428,	49.7235394,
52,	LCSD,	11/20/07 18:25,	1.0,	25.61212574,	0.994159186,	2.405865,	50.7981718,
53,	2711200495,	11/20/07 18:38,	2.0,	24.63423191,	n.a.,	4.4238219,	30.8704408,
54,	2711200495MS,	11/20/07 18:52,	2.0,	51.08960316,	0.863792645,	6.9781766,	81.683926,
55,	2711200495MSD,	11/20/07 19:06,	2.0,	50.64061681,	0.852538951,	6.9087226,	80.734236,
56,	2711200497_1/2,	11/20/07 19:19,	2.0,	24.15376073,	n.a.,	3.8379205,	29.5483781,
57,	2711200682_1/2,	11/20/07 19:33,	2.0,	107.0157993,	n.a.,	1.6628692,	10.6456389,
58,	2711200683,	11/20/07 19:47,	1.0,	84.00203511,	n.a.,	0.7251406,	41.2337521,
59,	2711200685,	11/20/07 20:00,	1.0,	84.17315554,	0.012814918,	0.7372656,	41.5840863,
60,	2711200686_1/2,	11/20/07 20:14,	2.0,	84.5340557,	n.a.,	5.8748114,	14.6241609,
61,	2711200689_1/2,	11/20/07 20:27,	2.0,	115.6049313,	n.a.,	0.7537476,	0.12010283,
62,	2711200688_1/2,	11/20/07 20:41,	2.0,	114.0388972,	n.a.,	2.8681435,	11.5108528,
63,	2711200730_1/2,	11/20/07 20:55,	2.0,	20.43305738,	n.a.,	6.3670007,	34.4621286,
64,	2711200731,	11/20/07 21:08,	1.0,	103.9079876,	n.a.,	0.8128739,	0.02943514,
65,	MCV,	11/20/07 21:22,	1.0,	20.10679096,	1.958352935,	1.9082579,	39.6125562,
66,	CCB,	11/20/07 21:36,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
67,	2711200732,	11/20/07 21:49,	1.0,	107.4021132,	n.a.,	0.682146,	0.03379011,
68,	2711160106,	11/20/07 22:03,	1.0,	2.142386714,	0.006531087,	0.5078038,	1.2674163,
69,	2711160106MS,	11/20/07 22:17,	1.0,	14.84352111,	0.495887934,	1.707622,	25.8551541,
70,	2711200526_1/2,	11/20/07 22:30,	2.0,	68.54375498,	0.100461763,	1.3966364,	62.4729693,
71,	2711200845_1/2,	11/20/07 22:44,	2.0,	16.79674387,	n.a.,	14.51285,	52.1881998,
72,	2711200828,	11/20/07 22:57,	1.0,	85.52245321,	n.a.,	1.8824035,	15.6548376,
73,	2711200807,	11/20/07 23:11,	1.0,	17.46787344,	n.a.,	18.476775,	62.5994727,
74,	2711200821,	11/20/07 23:25,	1.0,	180.6285311,	n.a.,	0.0182918,	0.03117853,
75,	2711200822,	11/20/07 23:38,	1.0,	139.7110042,	n.a.,	0.0058273,	0.01935,
76,	2711200823,	11/20/07 23:52,	1.0,	112.0763092,	n.a.,	0.0126403,	0.02435343,
77,	2711200824,	11/21/07 00:06,	1.0,	81.90600211,	n.a.,	0.016303,	0.0137069,
78,	HCV2,	11/21/07 00:19,	1.0,	77.16170173,	7.897524953,	7.9722608,	155.781272,
79,	HCV1,	11/21/07 00:33,	1.0,	50.53026697,	4.974548676,	4.9223186,	100.261198,
80,	CCB,	11/21/07 00:47,	1.0,	0.011252266,	n.a.,	n.a.,	0.01489523,
81,	LOWRL,	11/21/07 01:00,	1.0,	0.133193082,	0.018442885,	0.0140835,	0.26992847,
82,	MRL,	11/21/07 01:14,	1.0,	0.420945087,	0.052310172,	0.0459294,	0.90156279,
83,	MBLANK,	11/21/07 01:27,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
84,	LCS,	11/21/07 01:41,	1.0,	25.35481934,	0.974149764,	2.385089,	50.4424053,
85,	LCSD,	11/21/07 01:55,	1.0,	25.59774421,	0.99026947,	2.4049853,	50.7632389,
86,	2711200373,	11/21/07 02:08,	2.0,	12.77476077,	n.a.,	5.8749868,	42.7149236,
87,	2711200373MS,	11/21/07 02:22,	2.0,	39.08094113,	0.924931115,	8.3337322,	94.1446425,
88,	2711200373MSD,	11/21/07 02:36,	2.0,	39.1517894,	0.901747598,	8.3323386,	94.2810181,
89,	2711200378_1/2,	11/21/07 02:49,	2.0,	14.82785601,	n.a.,	8.7471537,	45.512421,
90,	2711200825,	11/21/07 03:03,	1.0,	69.22870746,	n.a.,	9.5135758,	31.2007974,
91,	2711200826,	11/21/07 03:17,	1.0,	108.944688,	n.a.,	1.4679525,	4.71315922,
92,	2711200827,	11/21/07 03:30,	1.0,	116.3168133,	n.a.,	1.3488518,	4.28727391,

No.,	Sample Name,	Time,	Dil.Fac.,	Amount, CL, ECD_1,	Amount, NO2-N, ECD_1,	Amount, NO3, ECD_1,	Amount , SO4, ECD_1,
1,	autocal1,	10/22/07 09:28,	1.0,	n.a.,	n.a.,	n.a.,	0.02847127,
2,	autocal2,	10/22/07 09:42,	1.0,	0.132640178,	0.017849564,	0.0137356,	0.301139,
3,	autocal3,	10/22/07 09:56,	1.0,	0.25848011,	0.034217228,	0.0290209,	0.54787734,
4,	autocal4,	10/22/07 10:09,	1.0,	0.408616583,	0.05223453,	0.0447999,	0.90239344,
5,	autocal5,	10/22/07 10:23,	1.0,	0.903076412,	0.099280814,	0.1072179,	1.95891657,
6,	autocal6,	10/22/07 10:37,	1.0,	1.685178769,	0.198232039,	0.1846919,	3.67959213,
7,	autocal7,	10/22/07 10:50,	1.0,	4.614322765,	0.490855433,	0.4918917,	9.78603767,
8,	autocal8,	10/22/07 11:04,	1.0,	9.512953943,	0.99203793,	0.968526,	19.509403,
9,	autocal9,	10/22/07 11:18,	1.0,	25.44872237,	2.481329212,	2.4848848,	50.397333,
10,	autocal10,	10/22/07 11:31,	1.0,	49.92210428,	5.01730717,	5.0234008,	99.9315659,
11,	autocal11,	10/22/07 11:45,	1.0,	90.50893103,	9.997196931,	9.9957918,	185.866279,
12,	HCV2,	11/20/07 09:19,	1.0,	76.71997597,	7.966168452,	7.8777151,	154.193402,
13,	HCV1,	11/20/07 09:33,	1.0,	51.58099903,	5.006832518,	5.007842,	101.538279,
14,	MCV,	11/20/07 09:46,	1.0,	19.71675883,	1.955517422,	1.8795112,	38.8352154,
15,	CCB,	11/20/07 10:00,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
16,	LOWRL,	11/20/07 10:14,	1.0,	0.131885212,	0.018127066,	0.0140501,	0.26202375,
17,	MRL,	11/20/07 10:28,	1.0,	0.427083597,	0.053947417,	0.0466218,	1.04481111,
18,	MBLANK,	11/20/07 10:41,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
19,	LCS,	11/20/07 10:55,	1.0,	25.15067672,	0.974938005,	2.3614817,	49.958685,
20,	LCSD,	11/20/07 11:08,	1.0,	25.99777113,	0.994041839,	2.4398853,	51.2987568,
21,	2711190137,	11/20/07 11:22,	2.0,	29.57481489,	n.a.,	5.2747138,	68.3168426,
22,	2711190137MS,	11/20/07 11:36,	2.0,	56.17213244,	0.91403354,	7.7740779,	120.061361,
23,	2711190137MSD,	11/20/07 11:49,	2.0,	56.25419649,	0.914865864,	7.7798055,	120.255936,
24,	2711190138,	11/20/07 12:03,	2.0,	30.17409566,	n.a.,	5.3458501,	68.9337456,
25,	2711150050_1/500,	11/20/07 12:17,	500.0,	19453.2773,	n.a.,	n.a.,	2451.45392,
26,	2711200573_1/50,	11/20/07 12:30,	50.0,	1771.83633,	n.a.,	13.2527,	1419.67276,
27,	2711200572_1/50,	11/20/07 12:44,	50.0,	2156.141375,	n.a.,	n.a.,	1442.12006,
28,	2711200778_1/25,	11/20/07 12:58,	25.0,	279.6134183,	n.a.,	13.158969,	649.770984,
29,	2711200780_1/25,	11/20/07 13:11,	25.0,	320.4399508,	n.a.,	12.311623,	627.55305,
30,	2711200781_1/25,	11/20/07 13:25,	25.0,	324.3367463,	n.a.,	12.507804,	635.757649,
31,	2711200206_1/5,	11/20/07 13:38,	5.0,	233.2487451,	n.a.,	6.7798864,	127.897209,
32,	2711200201_1/5,	11/20/07 13:52,	5.0,	105.6085025,	n.a.,	1.7465793,	86.4954173,
33,	MCV,	11/20/07 14:06,	1.0,	19.99819646,	1.965375934,	1.9005738,	39.5785829,
34,	CCB,	11/20/07 14:19,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
35,	2711200202,	11/20/07 14:33,	5.0,	107.6760742,	n.a.,	1.6845305,	88.5206747,
36,	2711200202MS,	11/20/07 14:47,	5.0,	171.6728917,	2.445933781,	7.7513342,	214.810076,
37,	2711200203_1/5,	11/20/07 15:00,	5.0,	110.7136297,	n.a.,	1.7682632,	90.059572,
38,	2711200204_1/5,	11/20/07 15:14,	5.0,	115.7413372,	n.a.,	1.5938776,	94.9566078,
39,	2711200205_1/5,	11/20/07 15:28,	5.0,	111.6345291,	n.a.,	1.6982233,	91.2824839,
40,	2711200760,	11/20/07 15:41,	1.0,	159.1996735,	n.a.,	2.8181531,	0.10318034,
41,	2711200761,	11/20/07 15:55,	1.0,	156.403797,	n.a.,	2.2110317,	n.a.,
42,	2711200754_1/2,	11/20/07 16:08,	2.0,	74.75477064,	n.a.,	13.164415,	51.803367,
43,	2711200743_1/2,	11/20/07 16:22,	2.0,	187.3330572,	n.a.,	2.4540473,	n.a.,
44,	2711200743_1/5,	11/20/07 16:36,	5.0,	202.8060136,	n.a.,	2.3978511,	n.a.,

93,	2711200390_1/2,	11/21/07 03:44,	2.0,	29.96143509,	n.a.,	5.2282421,	67.8946926,
94,	2711200391_1/2,	11/21/07 03:57,	2.0,	29.68616006,	n.a.,	5.1815557,	67.0092821,
95,	2711200392_1/2,	11/21/07 04:11,	2.0,	29.72353687,	n.a.,	5.208681,	67.5398838,
96,	2711200393_1/2,	11/21/07 04:25,	2.0,	29.7588449,	n.a.,	5.2010687,	67.5553711,
97,	2711200394_1/2,	11/21/07 04:38,	2.0,	29.93662467,	n.a.,	5.2502137,	67.8741897,
98,	MCV,	11/21/07 04:52,	1.0,	19.76504803,	1.95982286,	1.8822356,	39.0669798,
99,	CCB,	11/21/07 05:06,	1.0,	n.a.,	n.a.,	n.a.,	0.01411954,
100,	2711200395,	11/21/07 05:19,	2.0,	30.0453713,	n.a.,	5.2551319,	68.0696403,
101,	2711200395MS,	11/21/07 05:33,	2.0,	56.13673987,	0.947693225,	7.7254921,	118.794599,
102,	2711200396_1/2,	11/21/07 05:47,	2.0,	29.95620398,	n.a.,	5.2435417,	68.1117063,
103,	2711200403_1/2,	11/21/07 06:00,	2.0,	29.65423244,	n.a.,	5.1869443,	67.3977711,
104,	2711200852_1/2,	11/21/07 06:14,	2.0,	35.82150929,	n.a.,	4.1088018,	166.927426,
105,	2711200853_1/2,	11/21/07 06:27,	2.0,	35.98734688,	n.a.,	4.1332738,	167.65148,
106,	2711200856_1/2,	11/21/07 06:41,	2.0,	36.04729738,	n.a.,	4.1326076,	167.642608,
107,	2711200857_1/2,	11/21/07 06:55,	2.0,	36.05823383,	n.a.,	4.1352122,	167.741131,
108,	2711200860_1/2,	11/21/07 07:08,	2.0,	36.23239236,	n.a.,	4.1499716,	168.391693,
109,	2711200862_1/2,	11/21/07 07:22,	2.0,	36.29417861,	n.a.,	4.1528854,	169.214835,
110,	2711200820_1/2,	11/21/07 07:36,	2.0,	18.19416283,	n.a.,	3.3947581,	54.8881789,
111,	HCV2,	11/21/07 07:49,	1.0,	78.26374182,	8.046396088,	8.1198131,	158.494638,
112,	HCV1,	11/21/07 08:03,	1.0,	51.49636754,	5.032148493,	5.0276961,	102.755016,
113,	CCB,	11/21/07 08:16,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
114,	STOP,	11/21/07 08:30,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,

Amount	jkz
NO3A ECD_1,	11/23/07
n.a.,	
0.06043651,	
0.12769215,	
0.19711958,	
0.47175897,	
0.81264457,	
2.16432347,	
4.26151457,	
10.933493,	
22.1029636,	
43.9814839,	
34.6619464,	
22.0345047,	
8.26984925,	
n.a.,	
0.06182023,	
0.20513584,	
n.a.,	
10.3905194,	
10.7354955,	
23.2087406,	
34.2059426,	
34.2311441,	
23.5217406,	
n.a.,	
58.311879,	
n.a.,	
57.8994653,	
54.171142,	
55.0343359,	
29.8315,	
7.68494892,	
8.36252478,	
n.a.,	
7.41193406,	
34.1058704,	
7.78035806,	
7.01306149,	
7.47218261,	
12.3998738,	
9.72853937,	
57.9234246,	
10.7978081,	
10.5505446,	

34.8120677,
21.7486444,
n.a.,
0.05698553,
0.20164143,
n.a.,
10.3594833,
10.5858062,
19.4648162,
30.7039772,
30.3983795,
16.8868502,
7.31662458,
3.19061872,
3.24396855,
25.8491702,
3.31648929,
12.6198314,
28.0148032,
3.57664501,
8.39633477,
n.a.,
3.00144242,
2.23433686,
7.51353666,
6.14520036,
63.8565393,
8.28257525,
81.2978086,
0.08048383,
0.02563999,
0.05561722,
0.07173332,
35.0779474,
21.6582021,
n.a.,
0.0619674,
0.20208942,
n.a.,
10.4943916,
10.5819353,
25.8499419,
36.6684218,
36.6622898,
38.4874763,
41.8597337,
6.45899079,
5.93494794,

23.0042654,
22.7988452,
22.9181966,
22.8847022,
23.1009403,
8.28183648,
n.a.,
23.1225806,
33.9921654,
23.0715837,
22.8225549,
18.0787278,
18.1864048,
18.1834732,
18.1949335,
18.2598751,
18.2726959,
14.9369354,
35.7271775,
22.1218628,
n.a.,
n.a.,

Sequence: 112007AN
Operator: jkz
Printed: 11/23/2007 11:38:28 AM

Title: Anion by EPA 300.0
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC3_DX120_Anions\2007\November
Timebase: IC3
#Samples: 114
Created: 11/20/2007 9:17:06 AM by jkz
Last Update: 11/23/2007 11:35:03 AM by jkz

No.	Name	Sample ID	Dil. Factor	Type	Program	Method	Status
1	autocal1		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
2	autocal2		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
3	autocal3		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
4	autocal4		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
5	autocal5		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
6	autocal6		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
7	autocal7		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
8	autocal8		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
9	autocal9		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
10	autocal10		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
11	autocal11		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3	Finished
12	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
13	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
14	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
15	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
16	LOWRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
17	MRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
18	MBLANK		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
19	LCS		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
20	LCSD		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
21	2711190137	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
22	2711190137MS	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
23	2711190137MSD	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
24	2711190138	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
25	2711150050_1/500	CL&SO4-ADC-SC3	500.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
26	2711200573_1/50	KERR-INFLUENT	50.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
27	2711200572_1/50	KERR-EFFLUENT	50.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
28	2711200778_1/25	KERR-LVW UPGR	25.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
29	2711200780_1/25	KERR-LVW 6.05	25.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
30	2711200781_1/25	KERR-LVW 5.5	25.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
31	2711200206_1/5	[redacted]	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
32	2711200201_1/5	[redacted]	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
33	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
34	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
35	2711200202	[redacted] 1/5	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
36	2711200202MS	[redacted] 1/5	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
37	2711200203_1/5	[redacted]	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
38	2711200204_1/5	[redacted]	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
39	2711200205_1/5	[redacted]	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
40	2711200760	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
41	2711200761	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
42	2711200754_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished

Title: Anion by EPA 300.0
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC3_DX120_Anions\2007\November
Timebase: IC3
#Samples: 114
Created: 11/20/2007 9:17:06 AM by jkz
Last Update: 11/23/2007 11:35:03 AM by jkz

No.	Name	Comment	Inj. Date/Time	*Analyst	*operator	*Spike
1	autocal1		10/22/2007 9:28:58 AM	jkz	jkz	
2	autocal2	JKZ071022-1	10/22/2007 9:42:36 AM	jkz	jkz	
3	autocal3	JKZ071022-2	10/22/2007 9:56:13 AM	jkz	jkz	
4	autocal4	JKZ071022-3	10/22/2007 10:09:52 AM	jkz	jkz	
5	autocal5	JKZ071022-4	10/22/2007 10:23:29 AM	jkz	jkz	
6	autocal6	JKZ071022-5	10/22/2007 10:37:07 AM	jkz	jkz	
7	autocal7	JKZ071022-6	10/22/2007 10:50:45 AM	jkz	jkz	
8	autocal8	JKZ071022-7	10/22/2007 11:04:23 AM	jkz	jkz	
9	autocal9	JKZ071022-8	10/22/2007 11:18:01 AM	jkz	jkz	
10	autocal10	JKZ071022-9	10/22/2007 11:31:38 AM	jkz	jkz	
11	autocal11	JKZ071022-10	10/22/2007 11:45:16 AM	jkz	jkz	
12	HCV2		11/20/2007 9:19:42 AM	jkz	jkz	
13	HCV1		11/20/2007 9:33:20 AM	jkz	jkz	
14	MCV		11/20/2007 9:46:58 AM	jkz	jkz	
15	CCB		11/20/2007 10:00:43 AM	jkz	jkz	
16	LOWRL		11/20/2007 10:14:26 AM	jkz	jkz	
17	MRL		11/20/2007 10:28:04 AM	jkz	jkz	
18	MBLANK		11/20/2007 10:41:42 AM	jkz	jkz	
19	LCS		11/20/2007 10:55:21 AM	jkz	jkz	
20	LCSD		11/20/2007 11:08:59 AM	jkz	jkz	
21	2711190137		11/20/2007 11:22:37 AM	jkz	jkz	
22	2711190137MS		11/20/2007 11:36:15 AM	jkz	jkz	
23	2711190137MSD		11/20/2007 11:49:53 AM	jkz	jkz	
24	2711190138		11/20/2007 12:03:32 PM	jkz	jkz	
25	2711150050_1/500		11/20/2007 12:17:09 PM	jkz	jkz	
26	2711200573_1/50		11/20/2007 12:30:47 PM	jkz	jkz	
27	2711200572_1/50		11/20/2007 12:44:26 PM	jkz	jkz	
28	2711200778_1/25		11/20/2007 12:58:04 PM	jkz	jkz	
29	2711200780_1/25		11/20/2007 1:11:41 PM	jkz	jkz	
30	2711200781_1/25		11/20/2007 1:25:19 PM	jkz	jkz	
31	2711200206_1/5		11/20/2007 1:38:57 PM	jkz	jkz	
32	2711200201_1/5		11/20/2007 1:52:35 PM	jkz	jkz	
33	MCV		11/20/2007 2:06:12 PM	jkz	jkz	
34	CCB		11/20/2007 2:19:51 PM	jkz	jkz	
35	2711200202		11/20/2007 2:33:29 PM	jkz	jkz	
36	2711200202MS		11/20/2007 2:47:07 PM	jkz	jkz	
37	2711200203_1/5		11/20/2007 3:00:45 PM	jkz	jkz	
38	2711200204_1/5		11/20/2007 3:14:22 PM	jkz	jkz	
39	2711200205_1/5		11/20/2007 3:28:00 PM	jkz	jkz	
40	2711200760		11/20/2007 3:41:38 PM	jkz	jkz	
41	2711200761		11/20/2007 3:55:17 PM	jkz	jkz	
42	2711200754_1/2		11/20/2007 4:08:54 PM	jkz	jkz	

Title: Anion by EPA 300.0
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC3_DX120_Anions\2007\November
Timebase: IC3
#Samples: 114

Created: 11/20/2007 9:17:06 AM by jkz
Last Update: 11/23/2007 11:35:03 AM by jkz

No.	Name	Sample ID	Dil. Factor	Type	Program	Method	Status
43	2711200743_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
44	2711200743_1/5	[redacted]	5.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
45	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
46	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
47	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
48	LOWRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
49	MRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
50	MBLANK		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
51	LCS		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
52	LCSD		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
53	2711200495	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
54	2711200495MS	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
55	2711200495MSD	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
56	2711200497_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
57	2711200682_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
58	2711200683	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
59	2711200685	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
60	2711200686_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
61	2711200689_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
62	2711200688_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
63	2711200730_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
64	2711200731	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
65	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
66	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
67	2711200732	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
68	2711160106	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
69	2711160106MS	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
70	2711200526_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
71	2711200845_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
72	2711200828	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
73	2711200807	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
74	2711200821	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
75	2711200822	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
76	2711200823	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
77	2711200824	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
78	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
79	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
80	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
81	LOWRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
82	MRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
83	MBLANK		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
84	LCS		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished

Title: Anion by EPA 300.0
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC3_DX120_Anions\2007\November
Timebase: IC3
#Samples: 114
Created: 11/20/2007 9:17:06 AM by jkz
Last Update: 11/23/2007 11:35:03 AM by jkz

No.	Name	Comment	Inj. Date/Time	*Analyst	*operator	*Spike
43	2711200743_1/2		11/20/2007 4:22:33 PM	jkz	jkz	
44	2711200743_1/5		11/20/2007 4:36:11 PM	jkz	jkz	
45	HCV2		11/20/2007 4:49:49 PM	jkz	jkz	
46	HCV1		11/20/2007 5:03:27 PM	jkz	jkz	
47	CCB		11/20/2007 5:17:05 PM	jkz	jkz	
48	LOWRL		11/20/2007 5:30:42 PM	jkz	jkz	
49	MRL		11/20/2007 5:44:20 PM	jkz	jkz	
50	MBLANK		11/20/2007 5:57:58 PM	jkz	jkz	
51	LCS		11/20/2007 6:11:35 PM	jkz	jkz	
52	LCSD		11/20/2007 6:25:14 PM	jkz	jkz	
53	2711200495		11/20/2007 6:38:52 PM	jkz	jkz	
54	2711200495MS		11/20/2007 6:52:31 PM	jkz	jkz	
55	2711200495MSD		11/20/2007 7:06:09 PM	jkz	jkz	
56	2711200497_1/2		11/20/2007 7:19:46 PM	jkz	jkz	
57	2711200682_1/2		11/20/2007 7:33:24 PM	jkz	jkz	
58	2711200683		11/20/2007 7:47:02 PM	jkz	jkz	
59	2711200685		11/20/2007 8:00:40 PM	jkz	jkz	
60	2711200686_1/2		11/20/2007 8:14:18 PM	jkz	jkz	
61	2711200689_1/2		11/20/2007 8:27:56 PM	jkz	jkz	
62	2711200688_1/2		11/20/2007 8:41:34 PM	jkz	jkz	
63	2711200730_1/2		11/20/2007 8:55:12 PM	jkz	jkz	
64	2711200731		11/20/2007 9:08:51 PM	jkz	jkz	
65	MCV		11/20/2007 9:22:29 PM	jkz	jkz	
66	CCB		11/20/2007 9:36:07 PM	jkz	jkz	
67	2711200732		11/20/2007 9:49:45 PM	jkz	jkz	
68	2711160106		11/20/2007 10:03:23 PM	jkz	jkz	
69	2711160106MS		11/20/2007 10:17:01 PM	jkz	jkz	
70	2711200526_1/2		11/20/2007 10:30:39 PM	jkz	jkz	
71	2711200845_1/2		11/20/2007 10:44:17 PM	jkz	jkz	
72	2711200828		11/20/2007 10:57:55 PM	jkz	jkz	
73	2711200807		11/20/2007 11:11:34 PM	jkz	jkz	
74	2711200821		11/20/2007 11:25:12 PM	jkz	jkz	
75	2711200822		11/20/2007 11:38:50 PM	jkz	jkz	
76	2711200823		11/20/2007 11:52:29 PM	jkz	jkz	
77	2711200824		11/21/2007 12:06:07 AM	jkz	jkz	
78	HCV2		11/21/2007 12:19:45 AM	jkz	jkz	
79	HCV1		11/21/2007 12:33:24 AM	jkz	jkz	
80	CCB		11/21/2007 12:47:02 AM	jkz	jkz	
81	LOWRL		11/21/2007 1:00:41 AM	jkz	jkz	
82	MRL		11/21/2007 1:14:19 AM	jkz	jkz	
83	MBLANK		11/21/2007 1:27:57 AM	jkz	jkz	
84	LCS		11/21/2007 1:41:34 AM	jkz	jkz	

Title: Anion by EPA 300.0
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC3_DX120_Anions\2007\November
Timebase: IC3
#Samples: 114
Created: 11/20/2007 9:17:06 AM by jkz
Last Update: 11/23/2007 11:35:03 AM by jkz

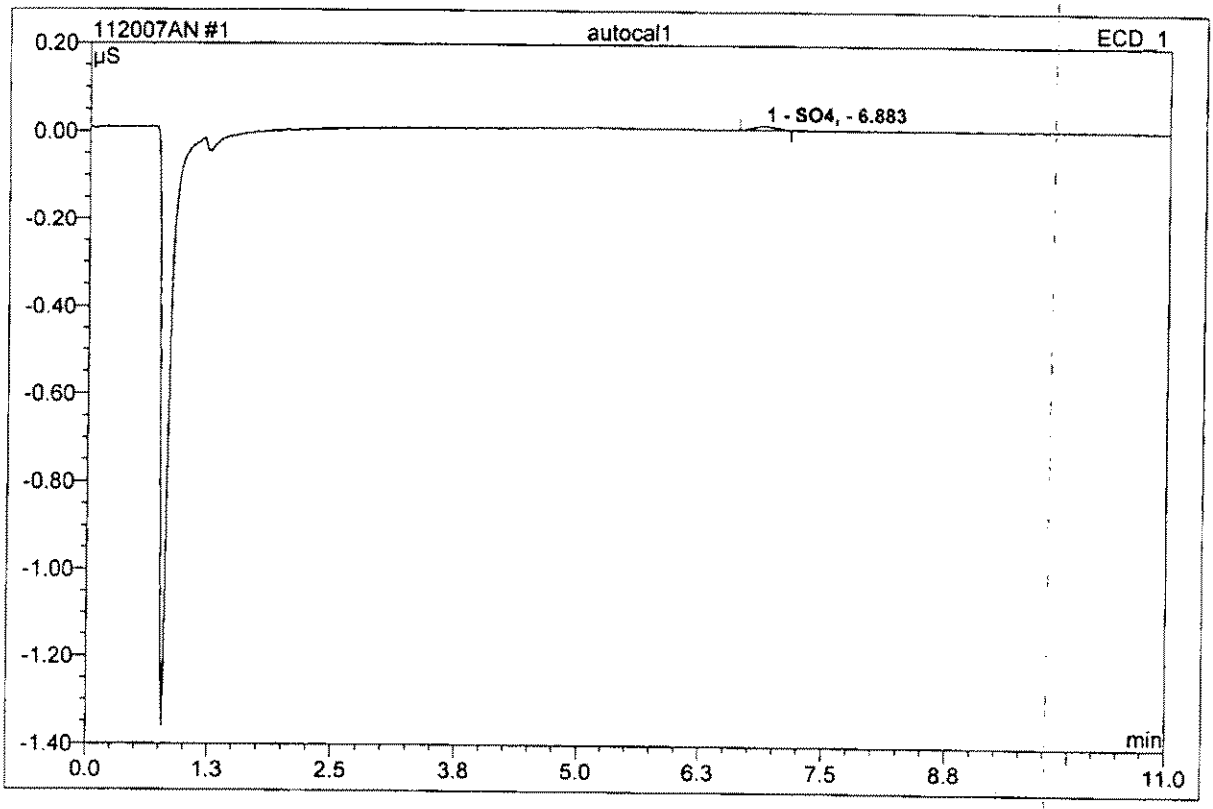
No.	Name	Sample ID	Dil. Factor	Type	Program	Method	Status
85	LCSD		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
86	2711200373	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
87	2711200373MS	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
88	2711200373MSD	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
89	2711200378_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
90	2711200825	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
91	2711200826	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
92	2711200827	[redacted]	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
93	2711200390_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
94	2711200391_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
95	2711200392_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
96	2711200393_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
97	2711200394_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
98	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
99	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
100	2711200395	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
101	2711200395MS	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
102	2711200396_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
103	2711200403_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
104	2711200852_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
105	2711200853_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
106	2711200856_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
107	2711200857_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
108	2711200860_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
109	2711200862_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
110	2711200820_1/2	[redacted]	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
111	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
112	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
113	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3	Finished
114	STOP		1.0000	Unknown	STOP JAN03	ANION-IC#3	Finished

Title: Anion by EPA 300.0
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC3_DX120_Anions\2007\November
Timebase: IC3
#Samples: 114
Created: 11/20/2007 9:17:06 AM by jkz
Last Update: 11/23/2007 11:35:03 AM by jkz

No.	Name	Comment	Inj. Date/Time	*Analyst	*operator	*Spike
85	LCSD		11/21/2007 1:55:13 AM	jkz	jkz	
86	2711200373		11/21/2007 2:08:51 AM	jkz	jkz	
87	2711200373MS		11/21/2007 2:22:29 AM	jkz	jkz	
88	2711200373MSD		11/21/2007 2:36:07 AM	jkz	jkz	
89	2711200378_1/2		11/21/2007 2:49:45 AM	jkz	jkz	
90	2711200825		11/21/2007 3:03:23 AM	jkz	jkz	
91	2711200826		11/21/2007 3:17:02 AM	jkz	jkz	
92	2711200827		11/21/2007 3:30:40 AM	jkz	jkz	
93	2711200390_1/2		11/21/2007 3:44:18 AM	jkz	jkz	
94	2711200391_1/2		11/21/2007 3:57:56 AM	jkz	jkz	
95	2711200392_1/2		11/21/2007 4:11:34 AM	jkz	jkz	
96	2711200393_1/2		11/21/2007 4:25:12 AM	jkz	jkz	
97	2711200394_1/2		11/21/2007 4:38:51 AM	jkz	jkz	
98	MCV		11/21/2007 4:52:29 AM	jkz	jkz	
99	CCB		11/21/2007 5:06:07 AM	jkz	jkz	
100	2711200395		11/21/2007 5:19:45 AM	jkz	jkz	
101	2711200395MS		11/21/2007 5:33:23 AM	jkz	jkz	
102	2711200396_1/2		11/21/2007 5:47:01 AM	jkz	jkz	
103	2711200403_1/2		11/21/2007 6:00:39 AM	jkz	jkz	
104	2711200852_1/2		11/21/2007 6:14:17 AM	jkz	jkz	
105	2711200853_1/2		11/21/2007 6:27:55 AM	jkz	jkz	
106	2711200856_1/2		11/21/2007 6:41:33 AM	jkz	jkz	
107	2711200857_1/2		11/21/2007 6:55:11 AM	jkz	jkz	
108	2711200860_1/2		11/21/2007 7:08:49 AM	jkz	jkz	
109	2711200862_1/2		11/21/2007 7:22:27 AM	jkz	jkz	
110	2711200820_1/2		11/21/2007 7:36:05 AM	jkz	jkz	
111	HCV2		11/21/2007 7:49:43 AM	jkz	jkz	
112	HCV1		11/21/2007 8:03:21 AM	jkz	jkz	
113	CCB		11/21/2007 8:16:59 AM	jkz	jkz	
114	STOP		11/21/2007 8:30:37 AM	jkz	jkz	

1 autocal1

Sample Name:	**autocal1**	*Injection Volume:*	**1000.0**
Vial Number:	**106**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 9:28**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

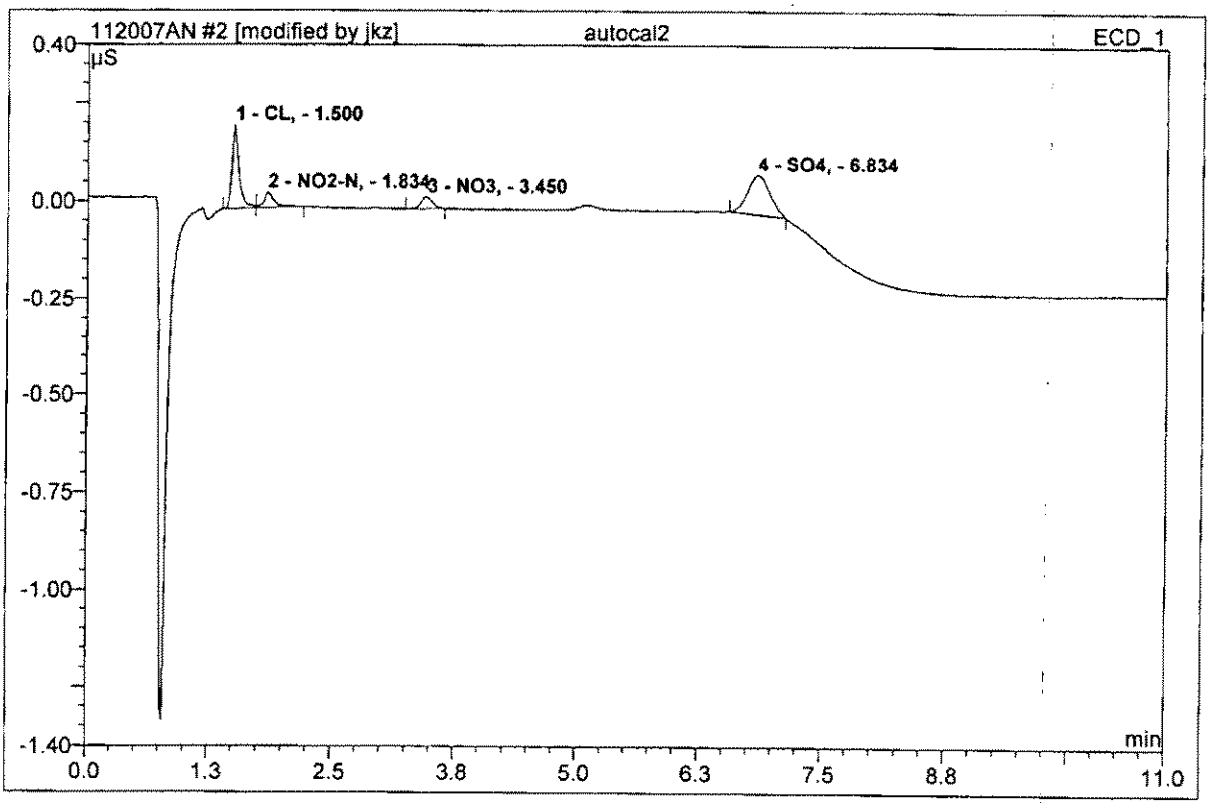


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	6.88	SO4	0.010	0.002	100.00	0.028	BMB
Total:			0.010	0.002	100.00	0.028	

2 autocal2

JKZ071022-1

Sample Name:	**autocal2**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 9:42**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

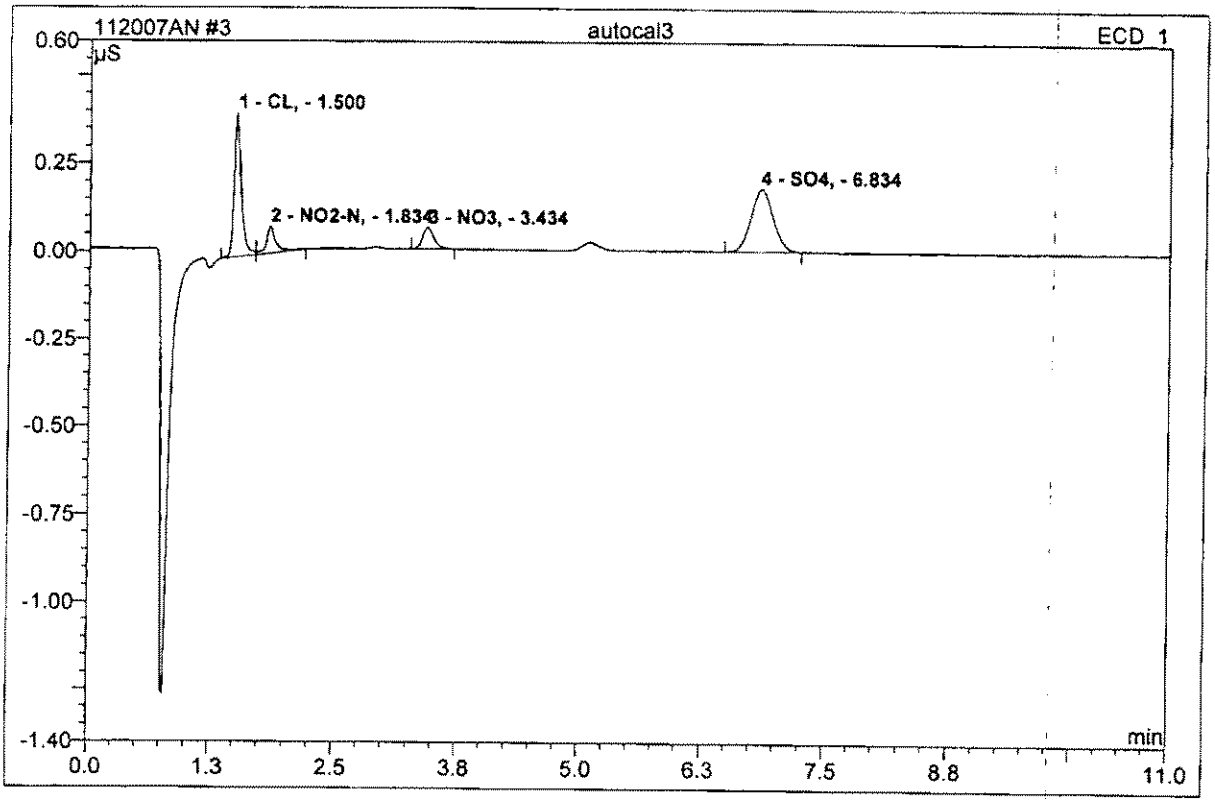


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	0.212	0.017	33.29	0.133	BM
2	1.83	NO2-N,	0.038	0.004	8.78	0.018	MB
3	3.45	NO3,	0.029	0.004	7.51	0.014	BMB
4	6.83	SO4,	0.099	0.026	50.43	0.301	BMB*
Total:			0.377	0.051	100.00	0.465	

3 autocal3

JKZ071022-2

Sample Name:	**autocal3**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 9:56**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

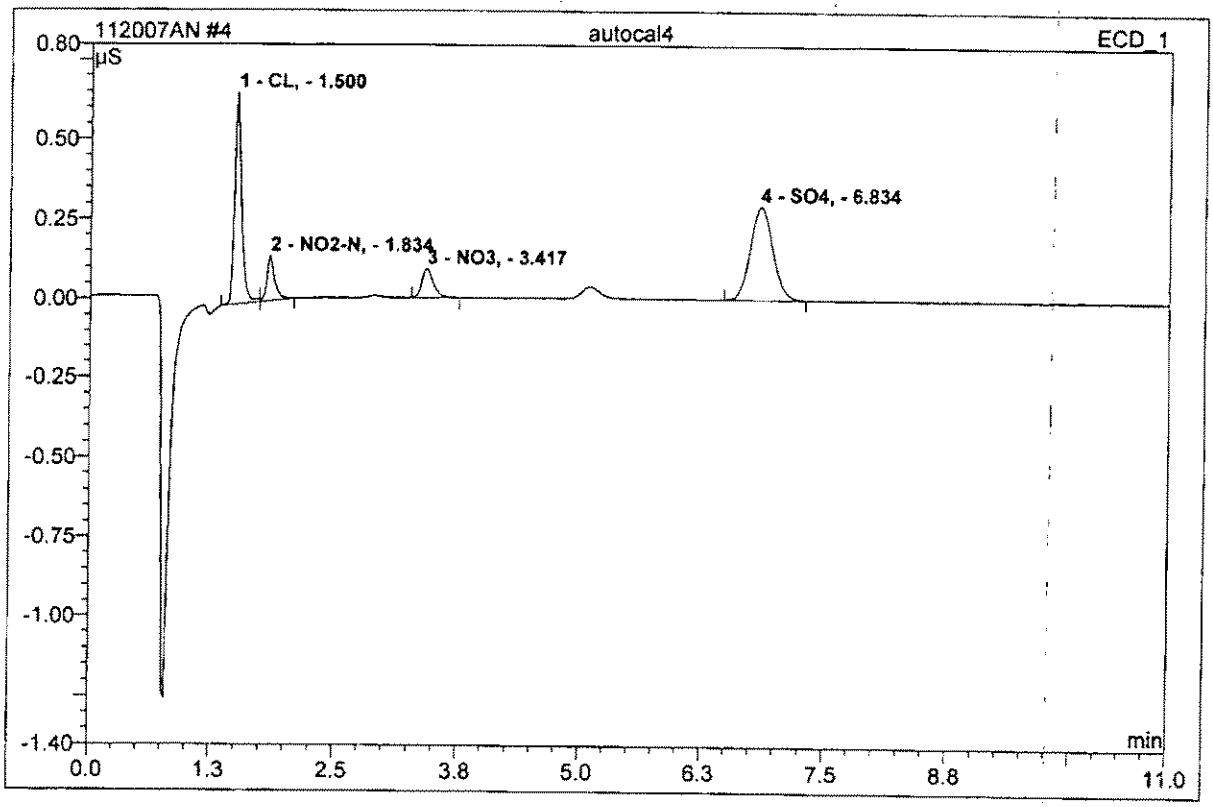


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	0.409	0.033	34.27	0.258	BM
2	1.83	NO2-N,	0.077	0.009	8.88	0.034	MB
3	3.43	NO3,	0.060	0.008	8.38	0.029	BMB
4	6.83	SO4,	0.178	0.047	48.46	0.548	BMB
Total:			0.724	0.097	100.00	0.870	

4 autocal4

JKZ071022-3

Sample Name:	**autocal4**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 10:09**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

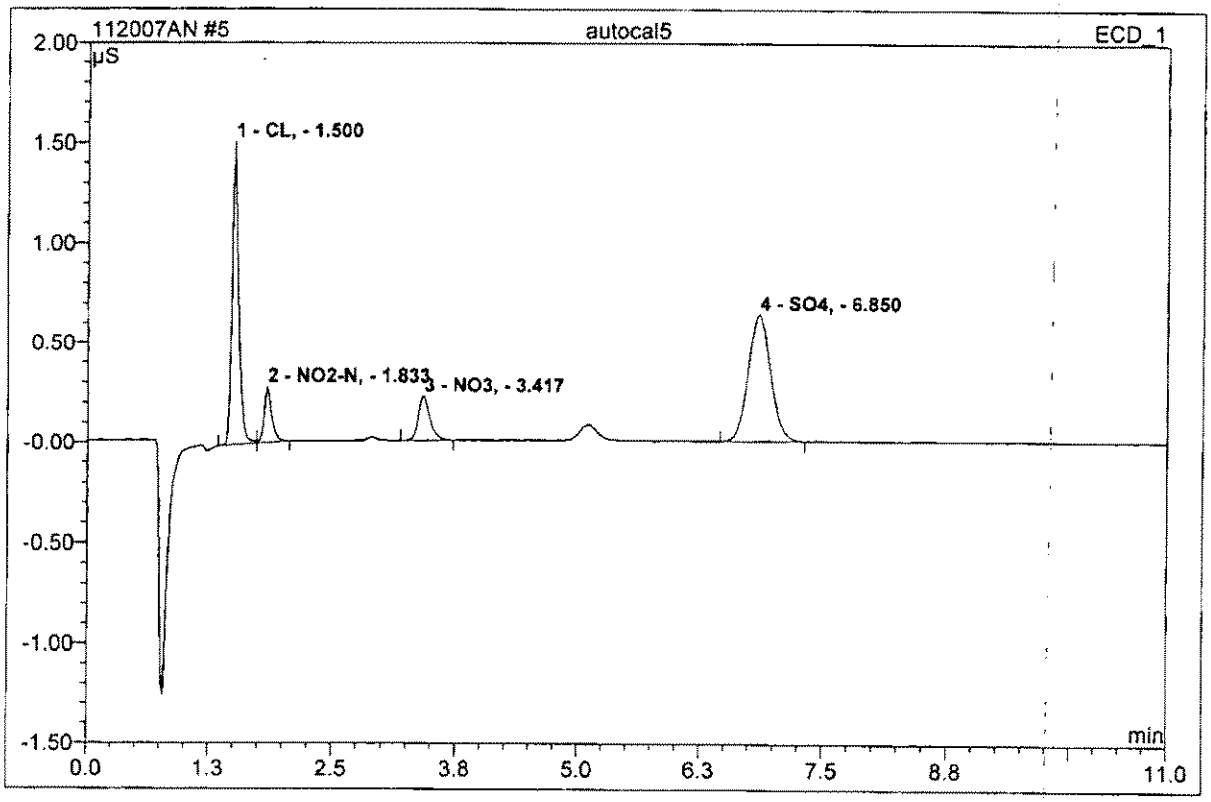


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	0.664	0.053	33.76	0.409	BM
2	1.83	NO2-N,	0.141	0.013	8.45	0.052	MB
3	3.42	NO3,	0.092	0.013	8.06	0.045	BMB
4	6.83	SO4,	0.292	0.077	49.74	0.902	BMB
Total:			1.189	0.156	100.00	1.408	

5 autocal5

JKZ071022-4

Sample Name:	**autocal5**	*Injection Volume:*	**1000.0**
Vial Number:	**108**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 10:23**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

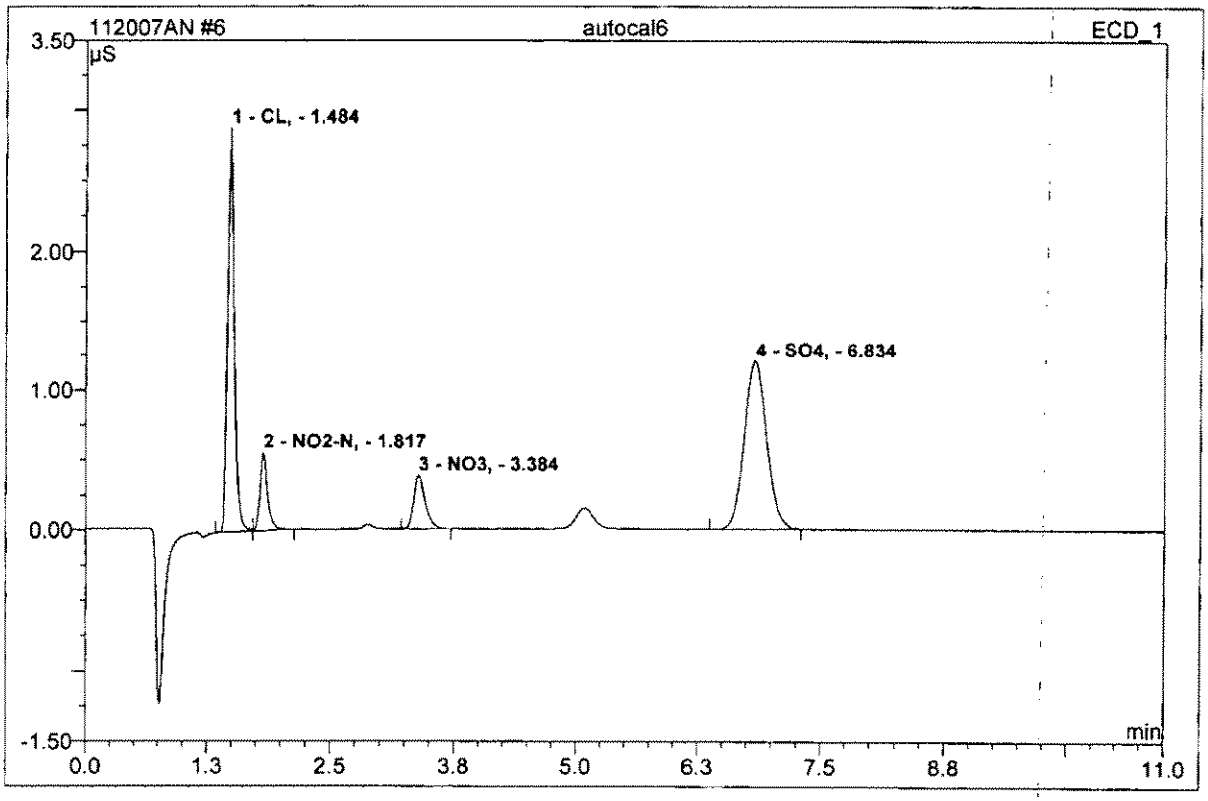


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	1.517	0.116	34.24	0.903	BM
2	1.83	NO2-N,	0.279	0.025	7.36	0.099	MB
3	3.42	NO3,	0.220	0.030	8.84	0.107	BMB
4	6.85	SO4,	0.637	0.169	49.56	1.959	BMB
Total:			2.653	0.340	100.00	3.068	

6 autocal6

JKZ071022-5

Sample Name:	**autocal6**	*Injection Volume:*	**1000.0**
Vial Number:	**108**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 10:37**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

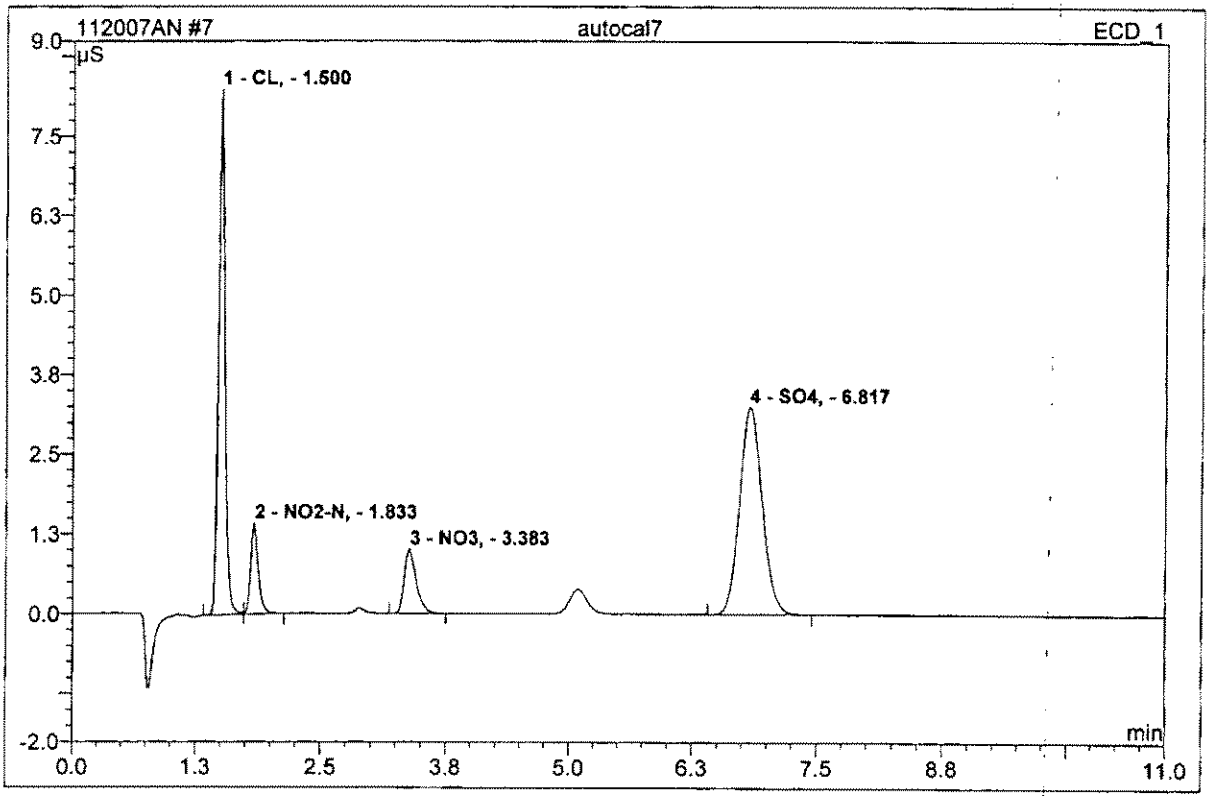


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.48	CL,	2.890	0.218	34.20	1.685	BM
2	1.82	NO2-N,	0.558	0.050	7.85	0.198	MB
3	3.38	NO3,	0.381	0.052	8.13	0.185	BMB
4	6.83	SO4,	1.205	0.318	49.82	3.680	BMB
Total:			5.034	0.637	100.00	5.748	

7 autocal7

JKZ071022-6

Sample Name:	**autocal7**	*Injection Volume:*	**1000.0**
Vial Number:	**108**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 10:50**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

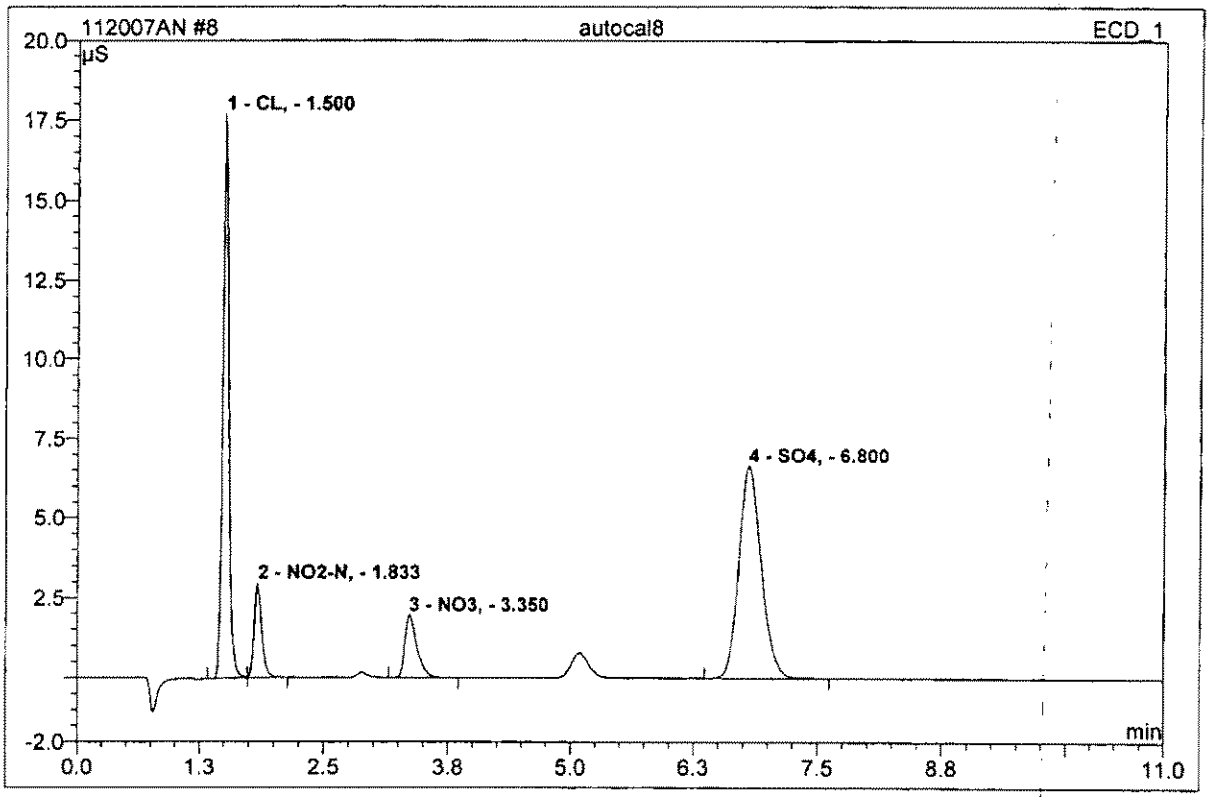


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	8.250	0.604	35.09	4.614	BM
2	1.83	NO2-N,	1.427	0.124	7.23	0.491	MB
3	3.38	NO3,	1.008	0.138	8.05	0.492	BMB
4	6.82	SO4,	3.251	0.854	49.64	9.786	BMB
Total:			13.936	1.721	100.00	15.383	

8 autocal8

JKZ071022-7

Sample Name:	**autocal8**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 11:04**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

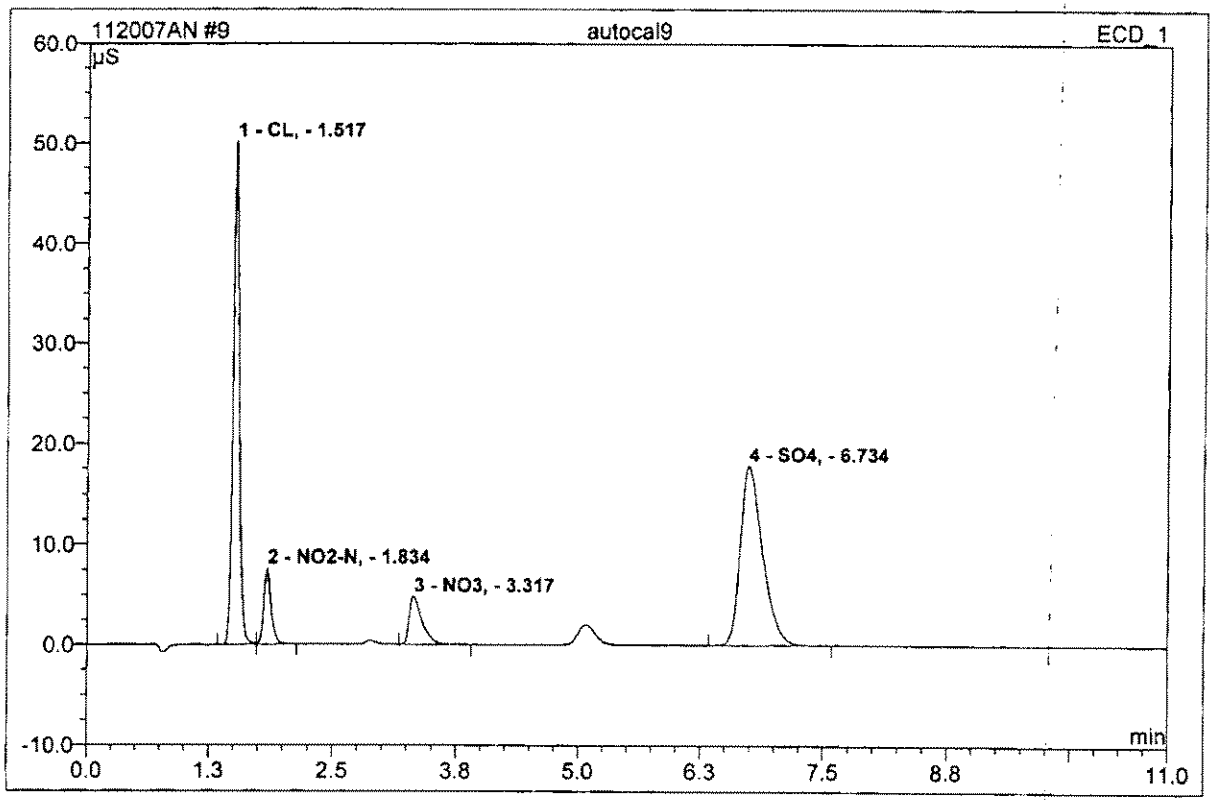


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	17.680	1.269	35.96	9.513	BM
2	1.83	NO2-N,	2.947	0.253	7.17	0.992	MB
3	3.35	NO3,	1.933	0.274	7.77	0.969	BMB
4	6.80	SO4,	6.636	1.734	49.11	19.509	BMB
Total:			29.197	3.531	100.00	30.983	

9 autocal9

JKZ071022-8

Sample Name:	**autocal9**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 11:18**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

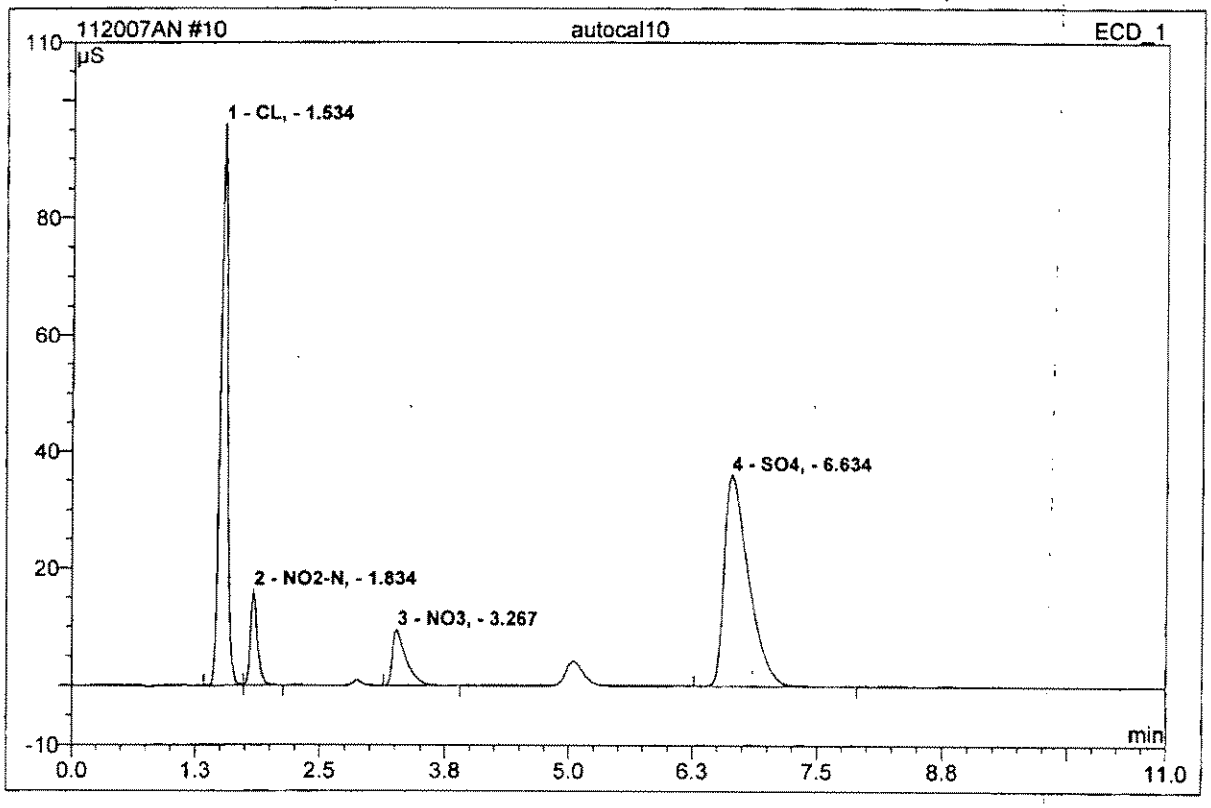


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	50.195	3.609	37.20	25.449	BM
2	1.83	NO2-N,	7.645	0.646	6.65	2.481	MB
3	3.32	NO3,	4.841	0.716	7.38	2.485	BMB
4	6.73	SO4,	17.915	4.732	48.77	50.397	BMB
Total:			80.596	9.703	100.00	80.812	

10 autocal10

JKZ071022-9

Sample Name:	**autocal10**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 11:31**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

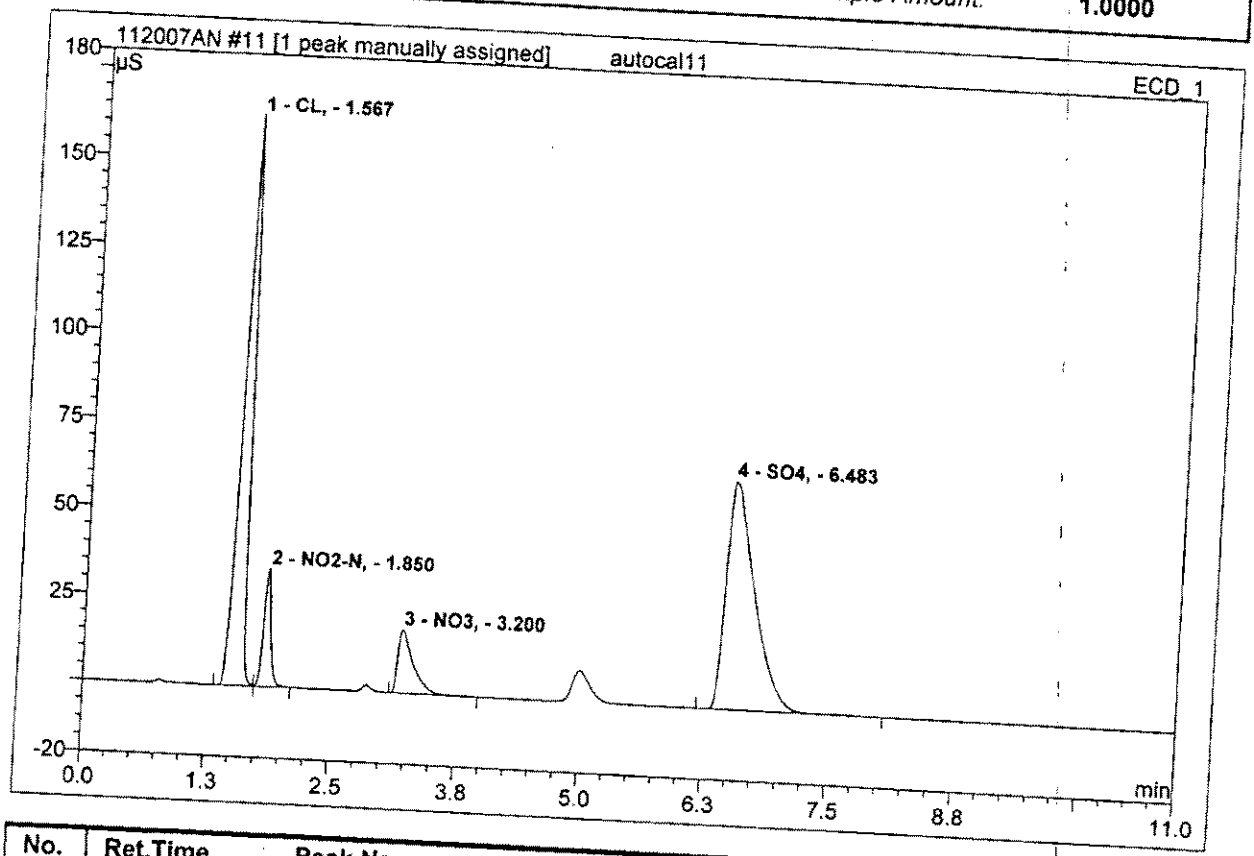


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	95.973	7.721	37.22	49.922	BM
2	1.83	NO2-N,	16.265	1.349	6.50	5.017	MB
3	3.27	NO3,	9.422	1.488	7.17	5.023	BMB
4	6.63	SO4,	36.063	10.189	49.11	99.932	BMB
Total:			157.722	20.747	100.00	159.894	

11 autocal11

JKZ071022-10

Sample Name:	**autocal11**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 11:45**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**

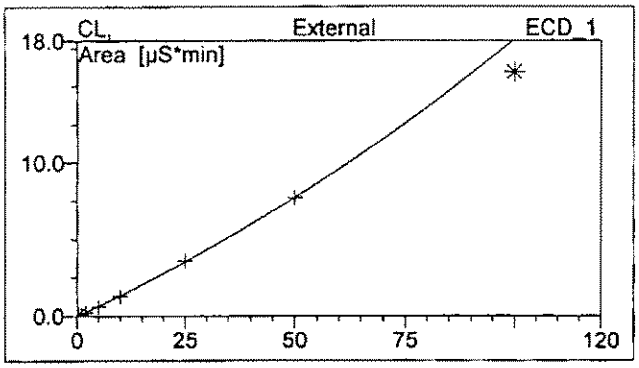


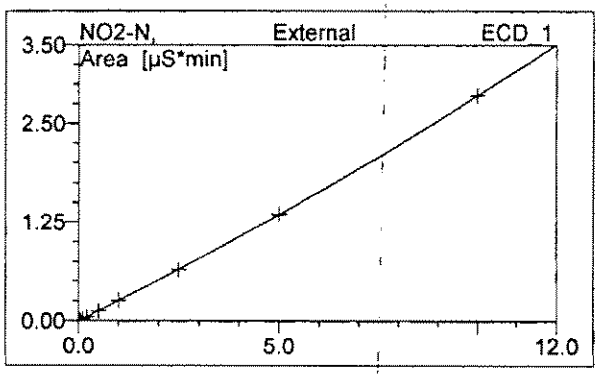
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.57	CL,	162.633	15.927	36.65	90.509	BM
2	1.85	NO2-N,	33.785	2.858	6.58	9.997	MB
3	3.20	NO3,	18.237	3.122	7.18	9.996	BMB
4	6.48	SO4,	65.291	21.548	49.59	185.866	BMB^
Total:			279.946	43.454	100.00	296.368	

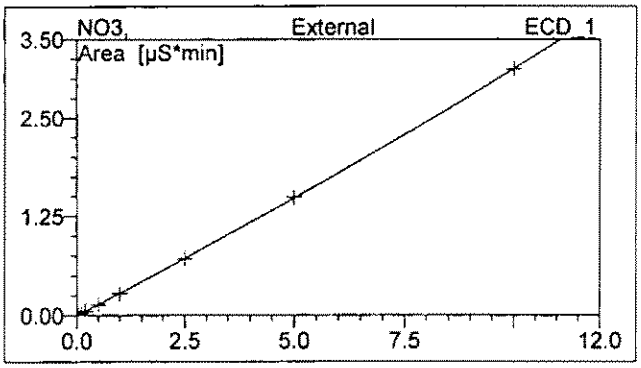
11 autocal11

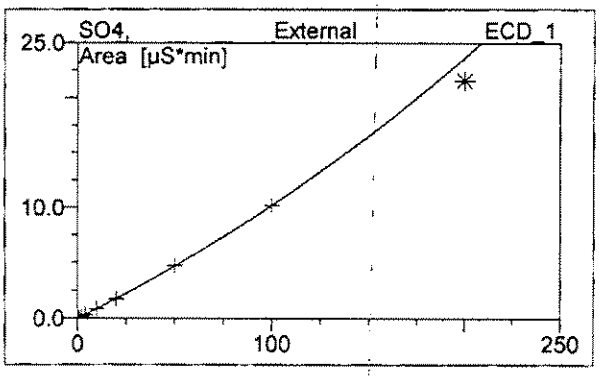
JKZ071022-10

Sample Name:	**autocal11**	*Injection Volume:*	**1000.0**
Vial Number:	**107**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**10/22/2007 11:45**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**





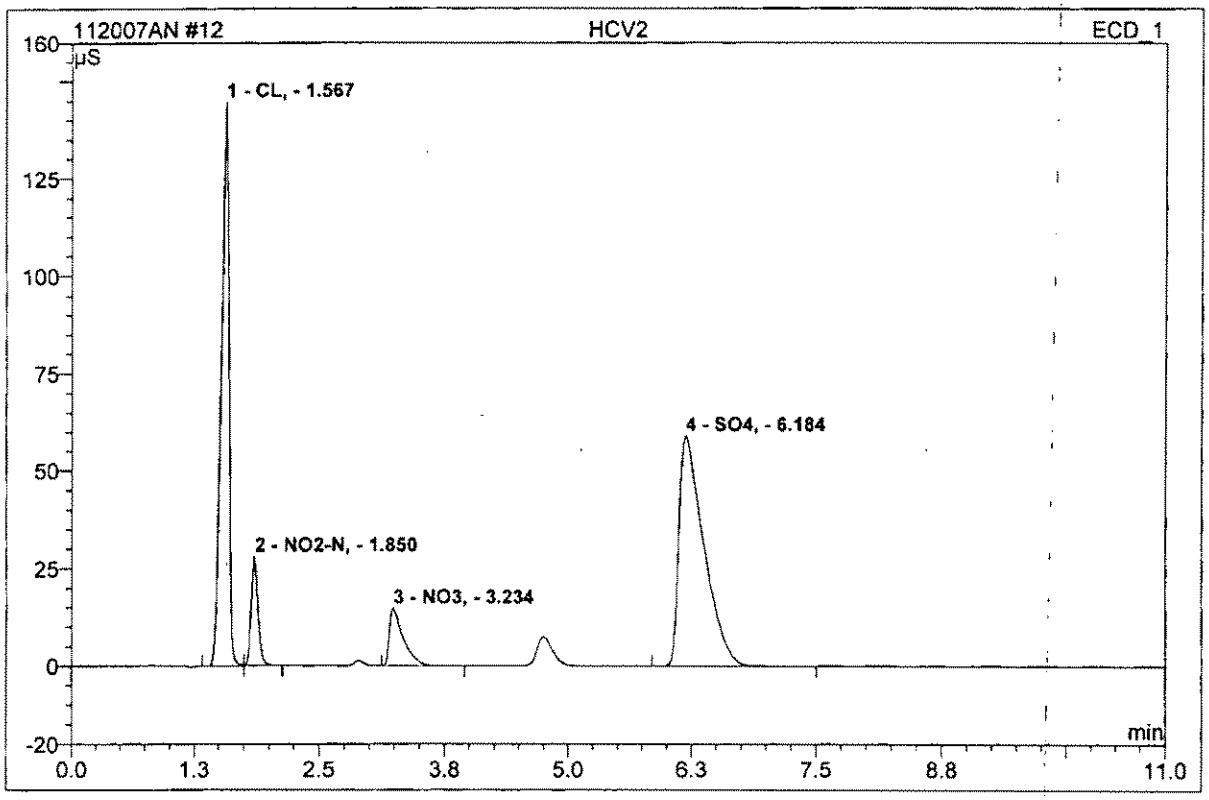




No.	Ret.Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
1	1.57	CL,	Quad	7	99.9235	0.0000	0.1285	0.0005
2	1.85	NO2-N,	Quad	10	99.9492	0.0000	0.2517	0.0034
3	3.20	NO3,	Quad	10	99.9631	0.0000	0.2799	0.0032
4	6.48	SO4,	Quad	10	99.9188	0.0000	0.0857	0.0002
Average:					99.9387	0.0000	0.1865	0.0018

12 HCV2

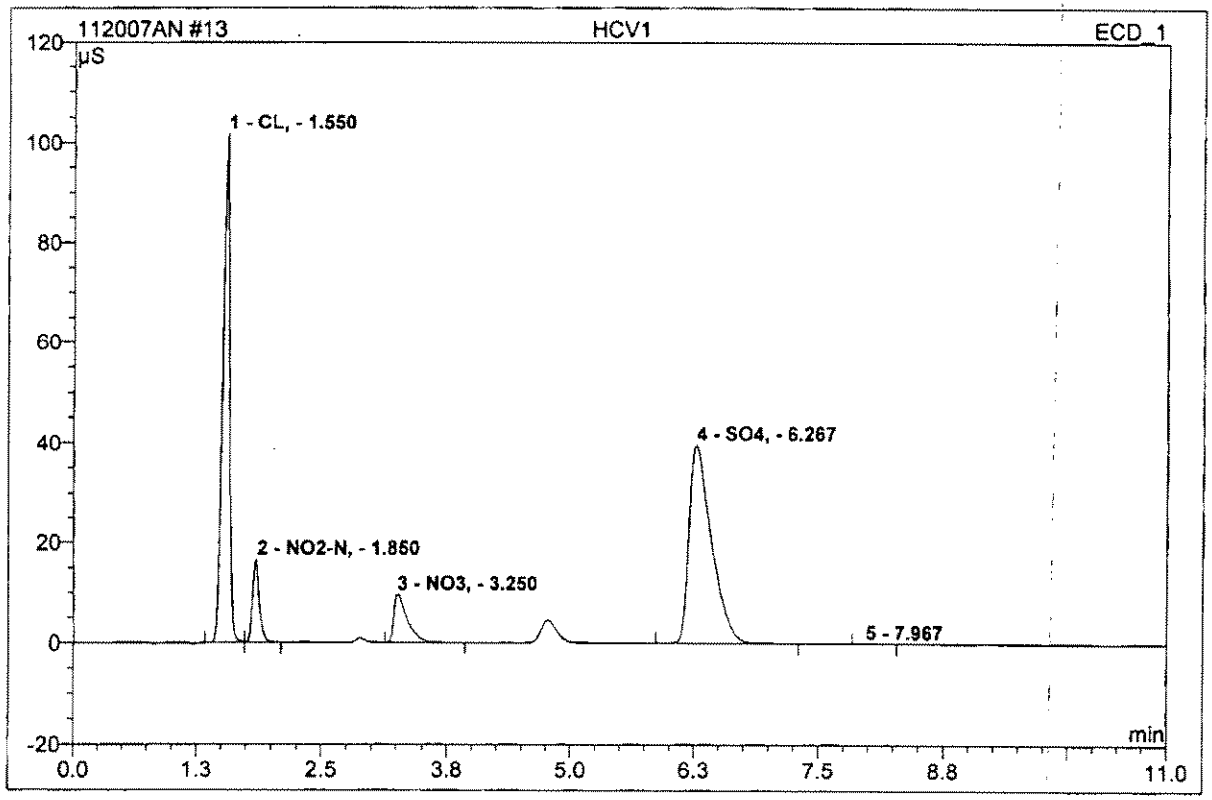
Sample Name:	**HCV2**	*Injection Volume:*	**1000.0**
Vial Number:	**243**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 9:19**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.57	CL,	144.833	12.945	37.35	76.720	BM
2	1.85	NO2-N,	28.088	2.222	6.41	7.966	MB
3	3.23	NO3,	14.925	2.406	6.94	7.878	BMB
4	6.18	SO4,	59.178	17.082	49.29	154.193	BMB
Total:			247.024	34.655	100.00	246.757	

13 HCV1

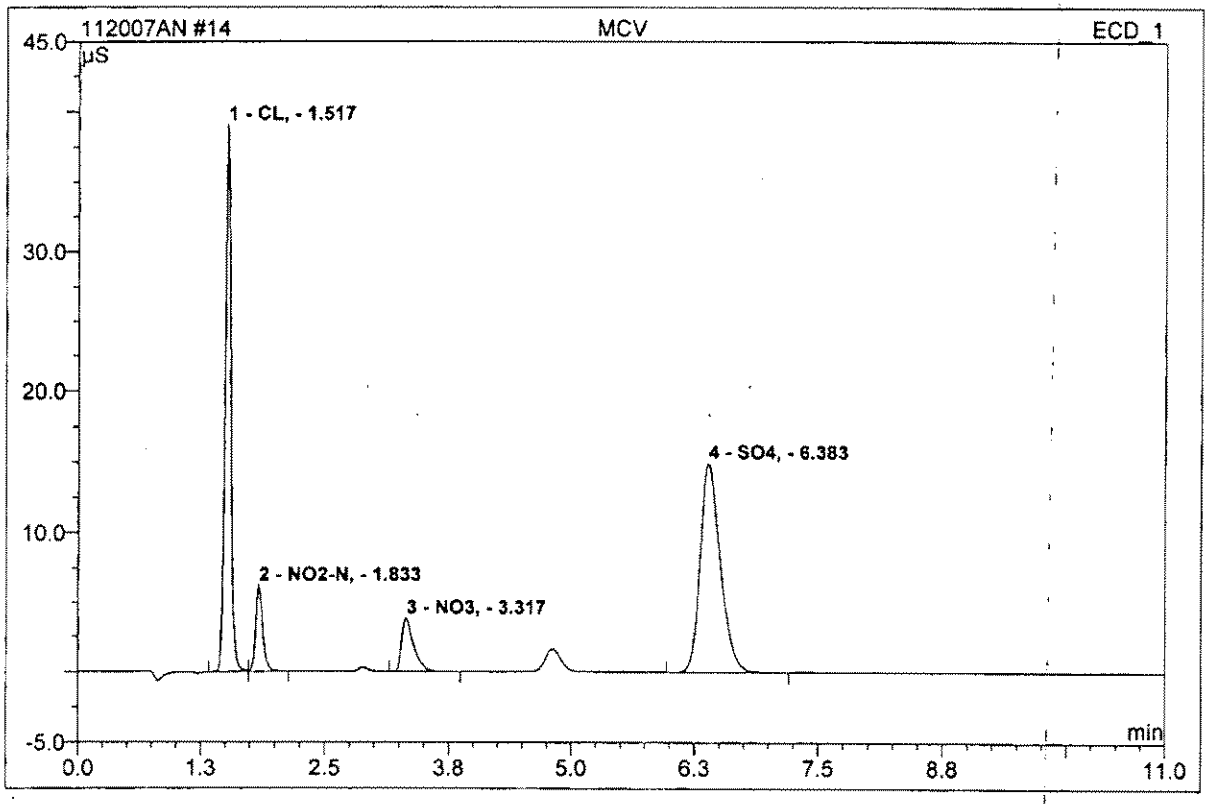
Sample Name:	**HCV1**	*Injection Volume:*	**1000.0**
Vial Number:	**244**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 9:33**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.55	CL,	101.698	8.023	37.78	51.581	BM
2	1.85	NO2-N,	16.610	1.346	6.34	5.007	MB
3	3.25	NO3,	9.662	1.483	6.98	5.008	BMB
4	6.27	SO4,	39.742	10.379	48.88	101.538	BMB
Total:			167.712	21.231	99.99	163.134	

14 MCV

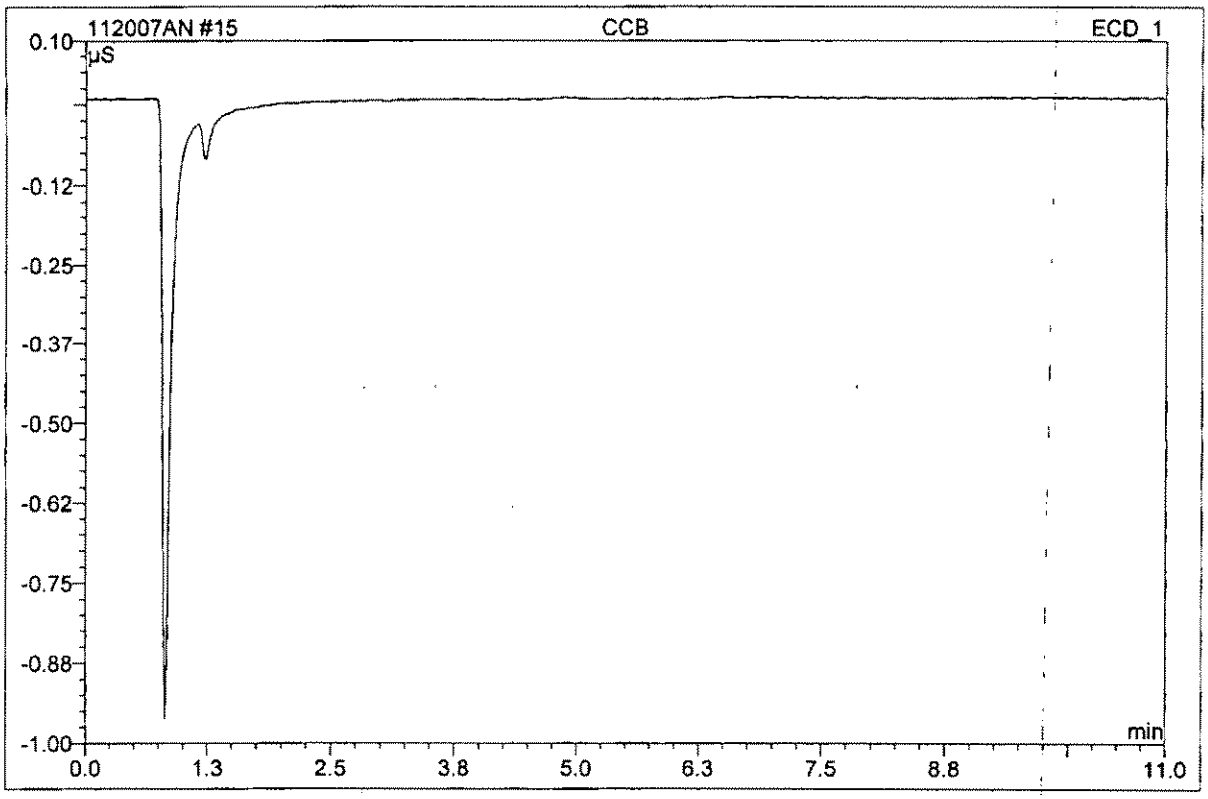
Sample Name:	**MCV**	*Injection Volume:*	**1000.0**
Vial Number:	**245**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 9:46**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	39.093	2.737	37.22	19.717	BM
2	1.83	NO2-N,	6.245	0.505	6.87	1.956	MB
3	3.32	NO3,	3.882	0.538	7.31	1.880	BMB
4	6.38	SO4,	14.921	3.574	48.60	38.835	BMB
Total:			64.141	7.353	100.00	62.387	

15 CCB

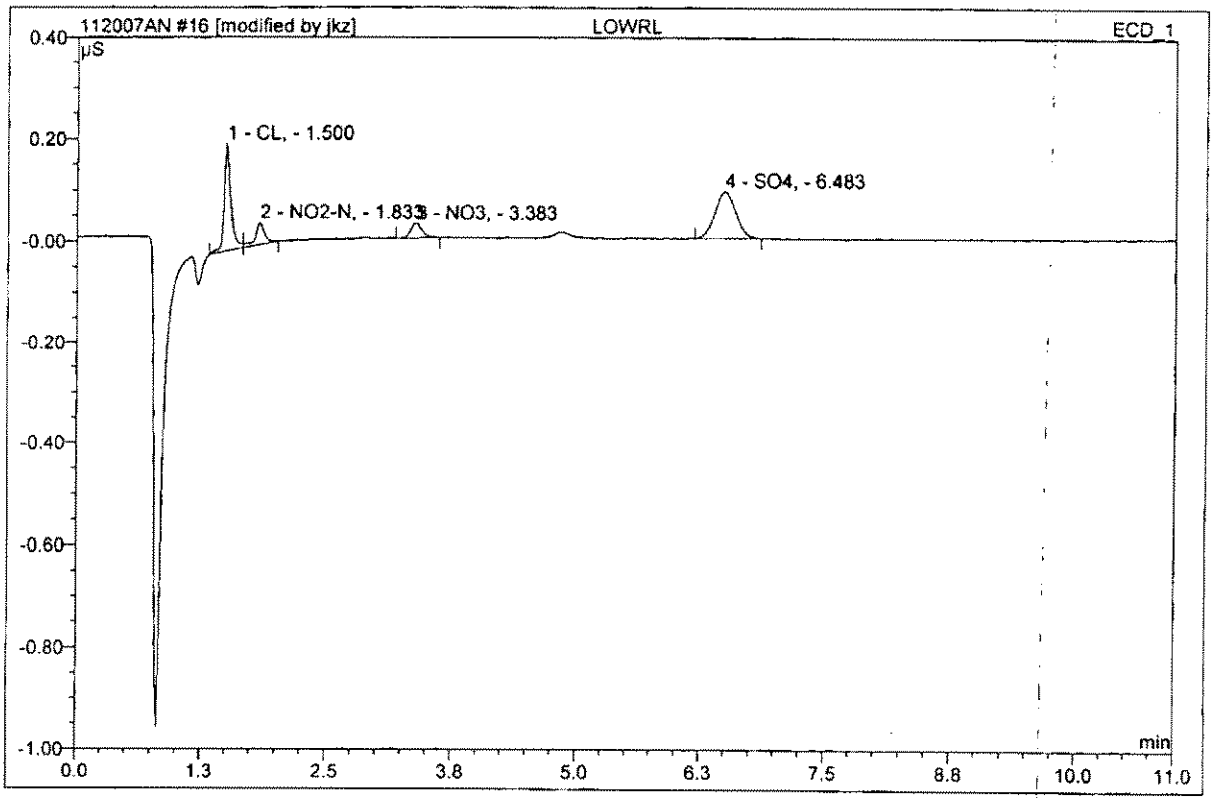
Sample Name:	**CCB**	*Injection Volume:*	**1000.0**
Vial Number:	**246**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 10:00**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



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

16 LOWRL

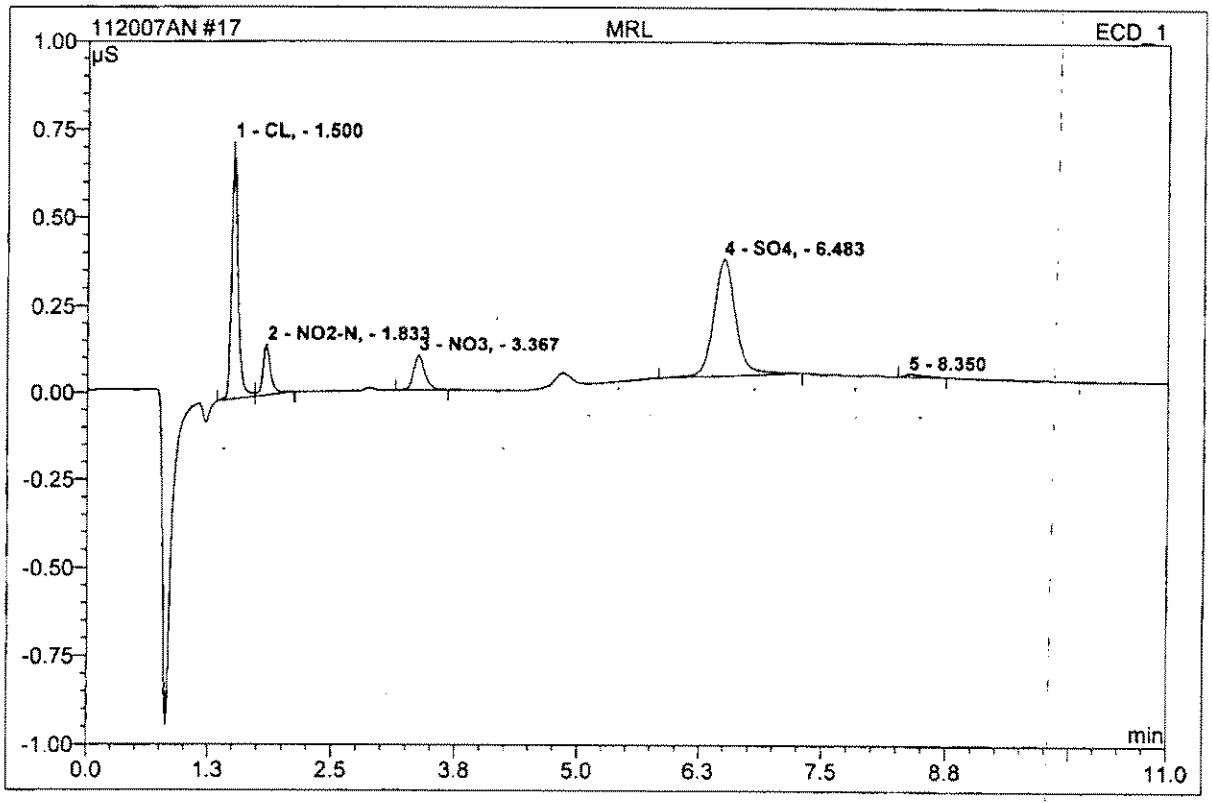
Sample Name:	**LOWRL**	*Injection Volume:*	**1000.0**
Vial Number:	**105**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 10:14**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	0.210	0.017	35.38	0.132	BM *
2	1.83	NO2-N,	0.044	0.005	9.52	0.018	MB*
3	3.38	NO3,	0.030	0.004	8.21	0.014	BMB
4	6.48	SO4,	0.091	0.022	46.89	0.262	BMB
Total:			0.375	0.048	100.00	0.426	

17 MRL

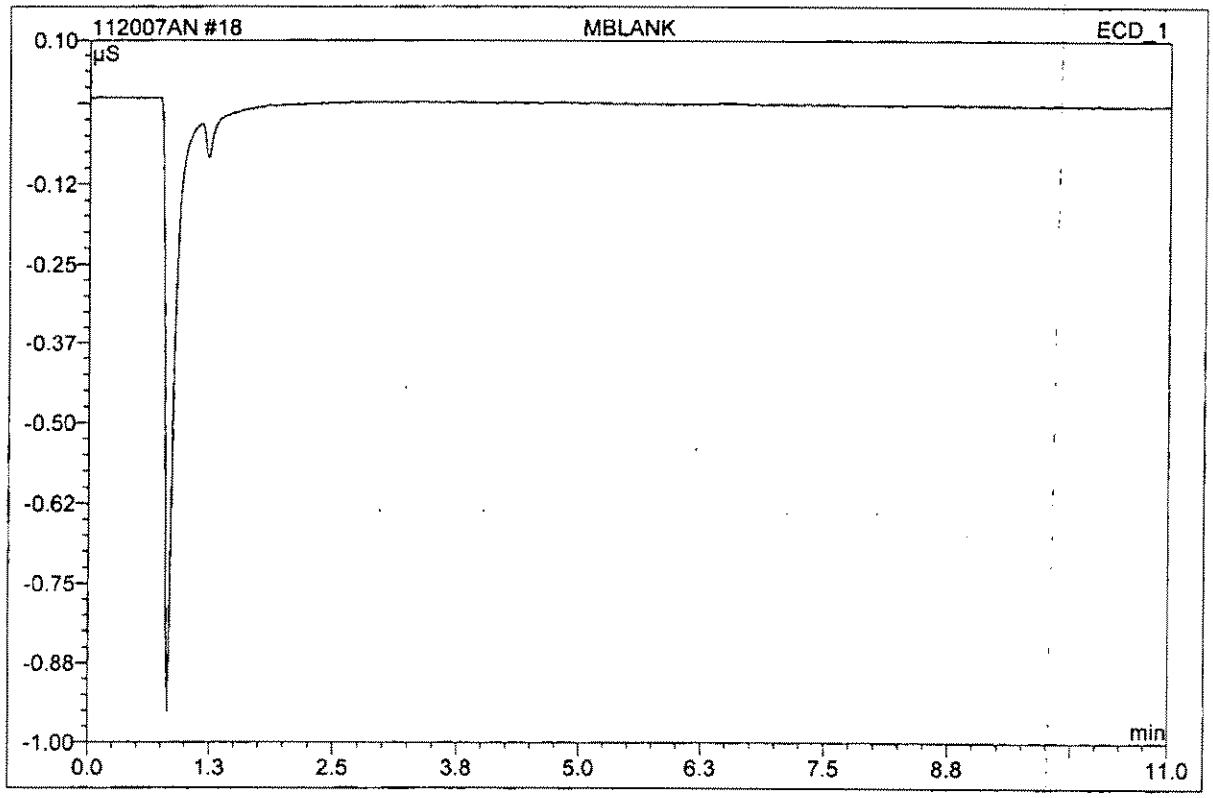
Sample Name:	**MRL**	*Injection Volume:*	**1000.0**
Vial Number:	**114**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 10:28**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	0.734	0.055	31.74	0.427	BM
2	1.83	NO2-N,	0.148	0.014	7.85	0.054	MB
3	3.37	NO3,	0.101	0.013	7.54	0.047	BMB
4	6.48	SO4,	0.334	0.090	51.83	1.045	BMB
Total:			1.317	0.171	98.96	1.572	

18 MBLANK

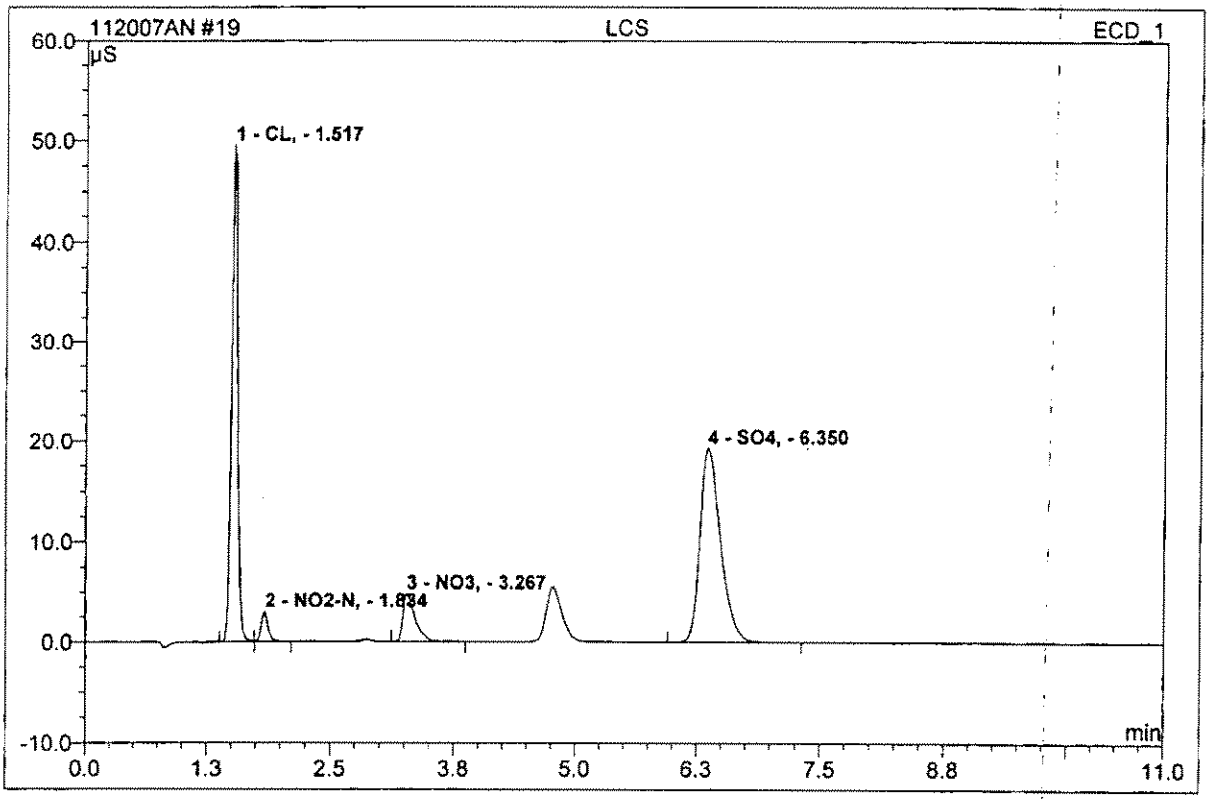
Sample Name:	**MBLANK**	*Injection Volume:*	**1000.0**
Vial Number:	**115**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 10:41**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



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

19 LCS

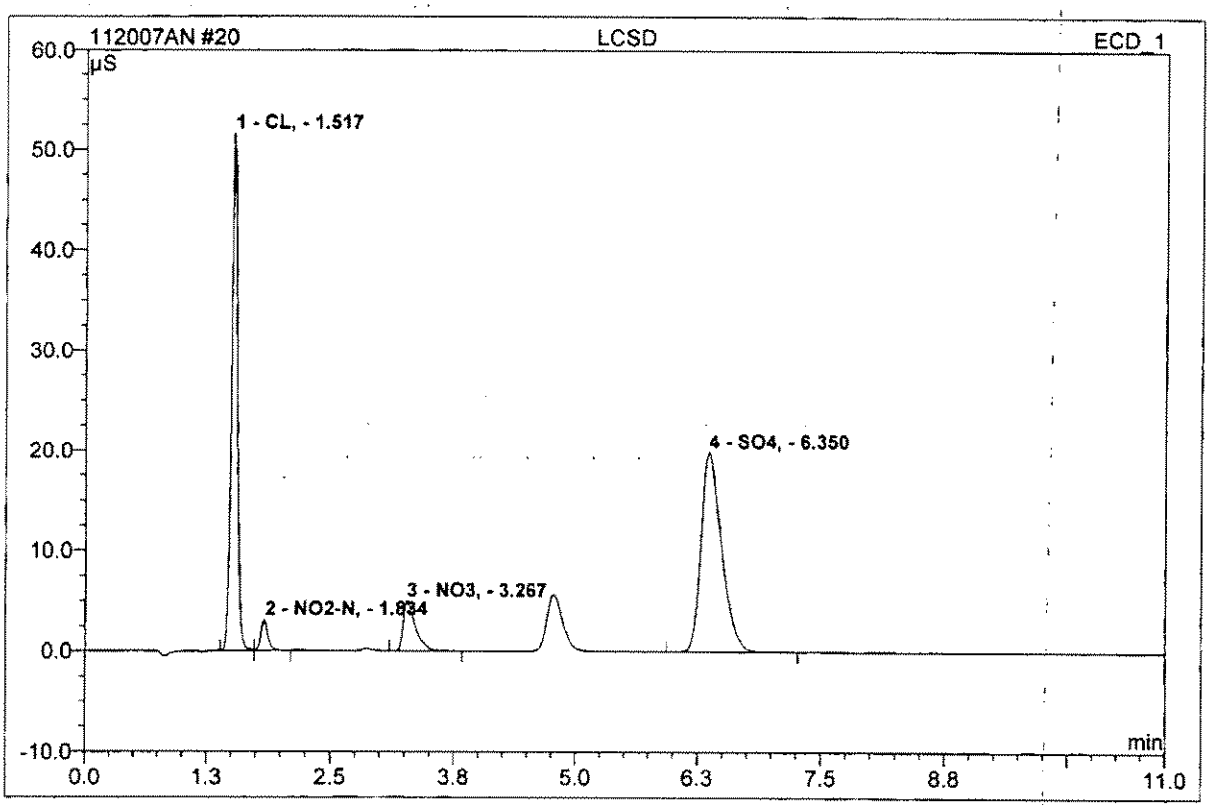
Sample Name:	**LCS**	*Injection Volume:*	**1000.0**
Vial Number:	**116**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 10:55**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	49.519	3.563	38.82	25.151	BM
2	1.83	NO2-N,	3.075	0.249	2.71	0.975	MB
3	3.27	NO3,	4.865	0.679	7.40	2.361	BMB
4	6.35	SO4,	19.332	4.688	51.07	49.959	BMB
Total:			76.791	9.178	100.00	78.446	

20 LCSD

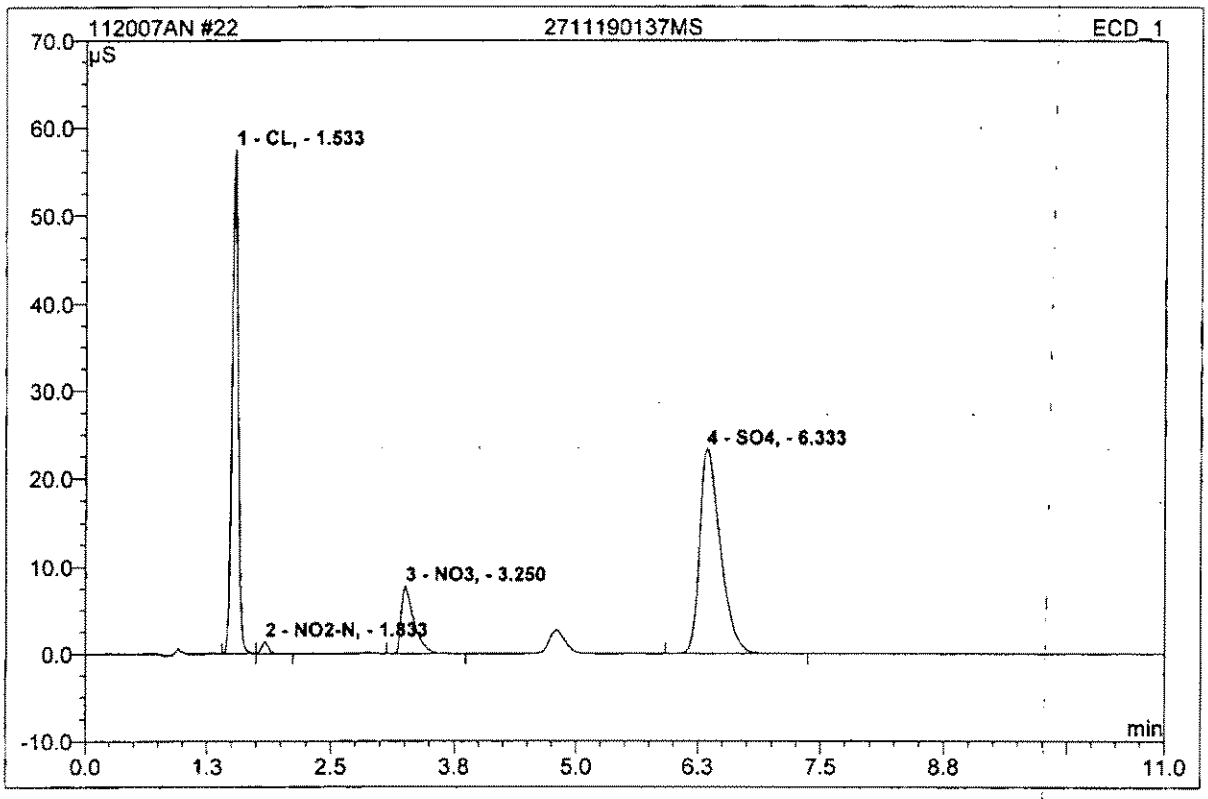
Sample Name:	**LCSD**	*Injection Volume:*	**1000.0**
Vial Number:	**114**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 11:08**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	51.595	3.694	38.99	25.998	BM
2	1.83	NO2-N,	3.121	0.254	2.68	0.994	MB
3	3.27	NO3,	4.993	0.702	7.41	2.440	BMB
4	6.35	SO4,	19.885	4.824	50.92	51.299	BMB
Total:			79.594	9.475	100.00	80.730	

22 2711190137MS

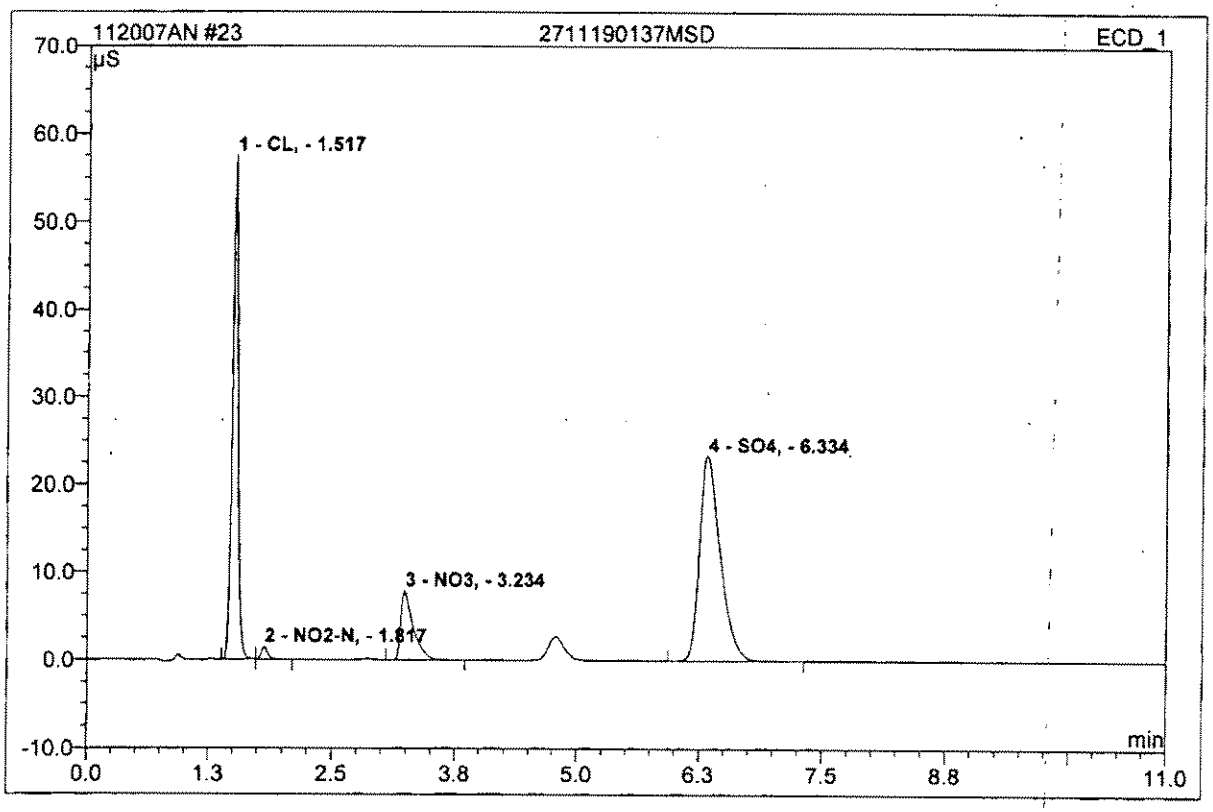
Sample Name:	**2711190137MS**	*Injection Volume:*	**1000.0**
Vial Number:	**114**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**2.0000**
Recording Time:	**11/20/2007 11:36**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	57.547	4.022	36.54	56.172	BM
2	1.83	NO2-N,	1.429	0.116	1.05	0.914	MB
3	3.25	NO3,	7.836	1.137	10.33	7.774	BMB
4	6.33	SO4,	23.366	5.731	52.07	120.061	BMB
Total:			90.178	11.006	100.00	184.922	

23 2711190137MSD

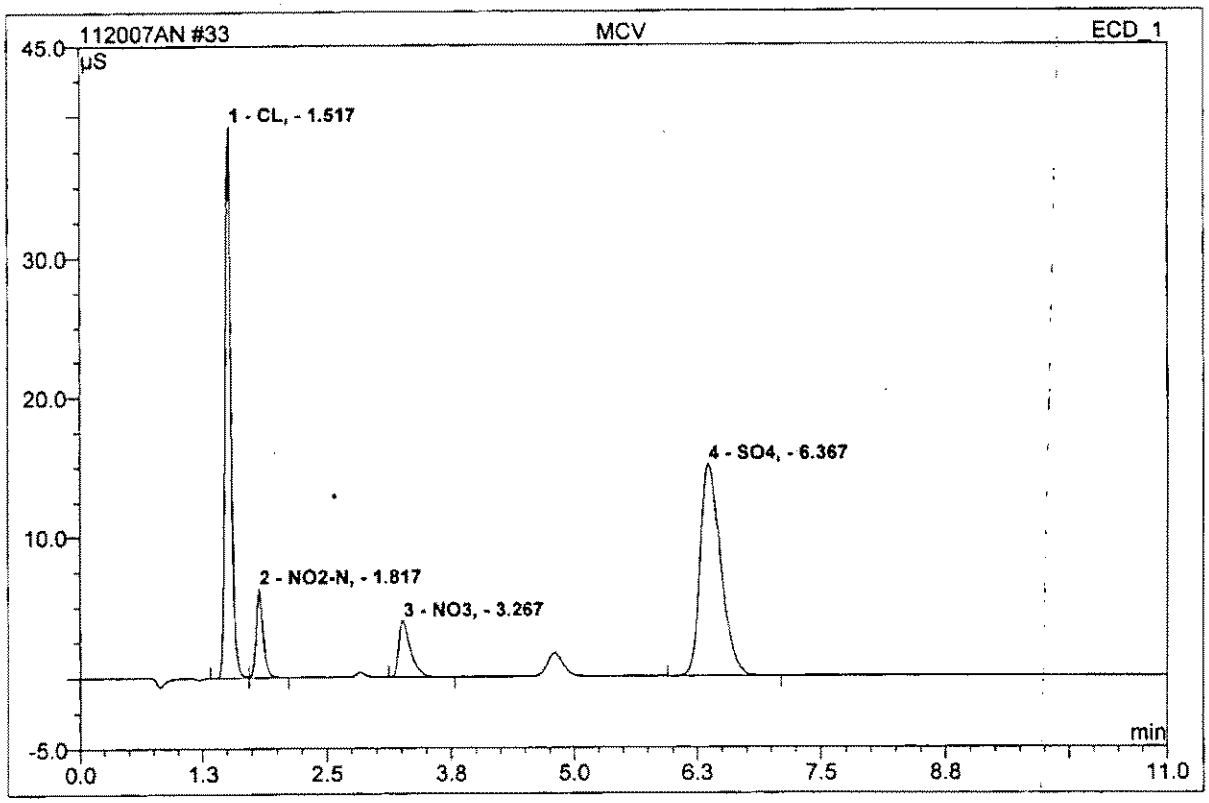
Sample Name:	**2711190137MSD**	*Injection Volume:*	**1000.0**
Vial Number:	**115**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**2.0000**
Recording Time:	**11/20/2007 11:49**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	57.536	4.028	36.54	56.254	BM
2	1.82	NO2-N,	1.431	0.116	1.05	0.915	MB
3	3.23	NO3,	7.846	1.138	10.32	7.780	BMB
4	6.33	SO4,	23.346	5.741	52.08	120.256	BMB
Total:			90.159	11.023	100.00	185.205	

33 MCV

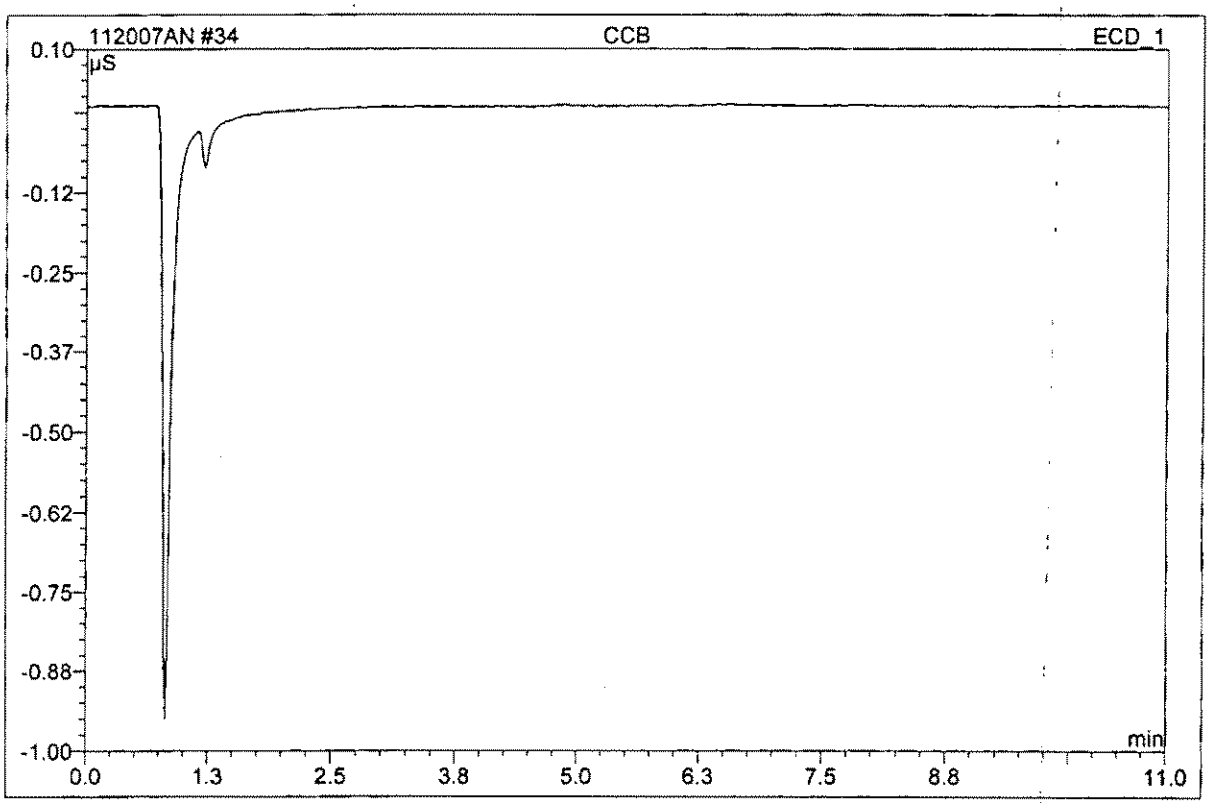
Sample Name:	**MCV**	*Injection Volume:*	**1000.0**
Vial Number:	**118**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 14:06**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	39.272	2.779	37.16	19.998	BM
2	1.82	NO2-N,	6.300	0.508	6.79	1.965	MB
3	3.27	NO3,	3.953	0.544	7.27	1.901	BMB
4	6.37	SO4,	15.110	3.647	48.77	39.579	BMB
Total:			64.635	7.477	100.00	63.443	

34 CCB

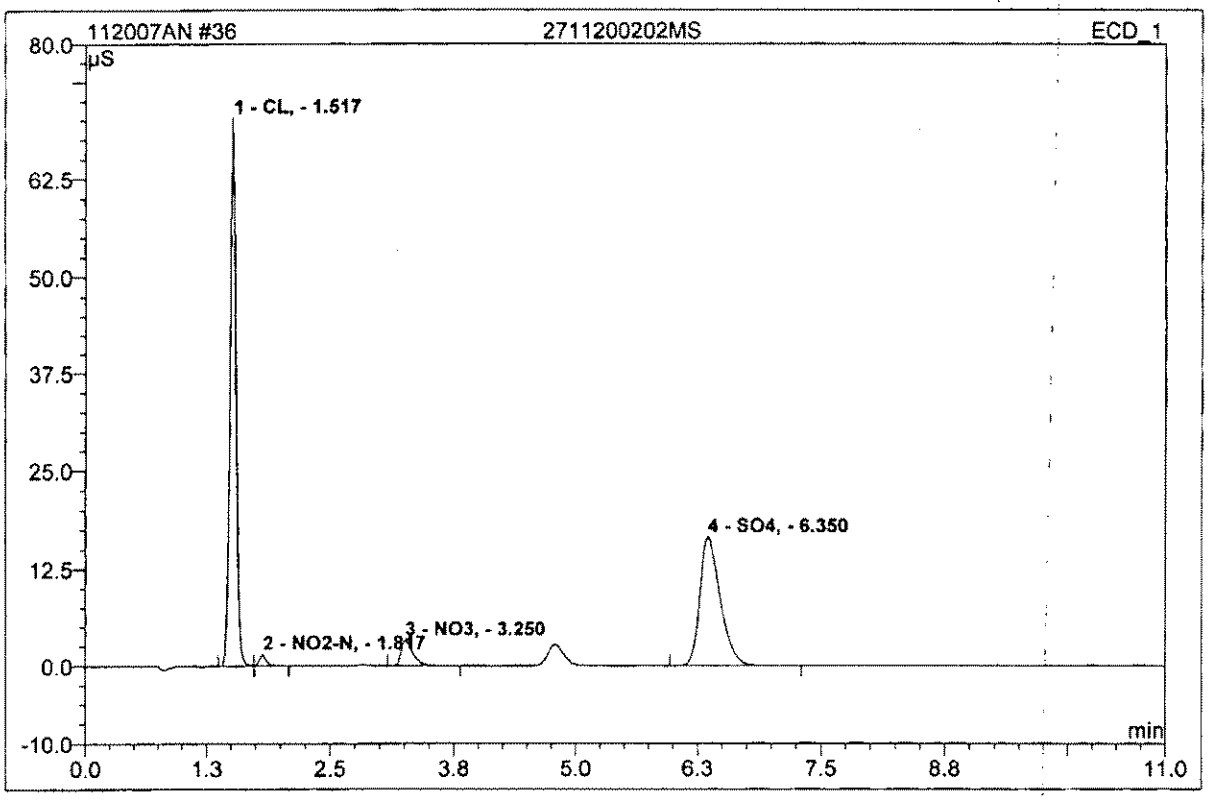
Sample Name:	**CCB**	*Injection Volume:*	**1000.0**
Vial Number:	**118**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 14:19**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



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

36 2711200202MS

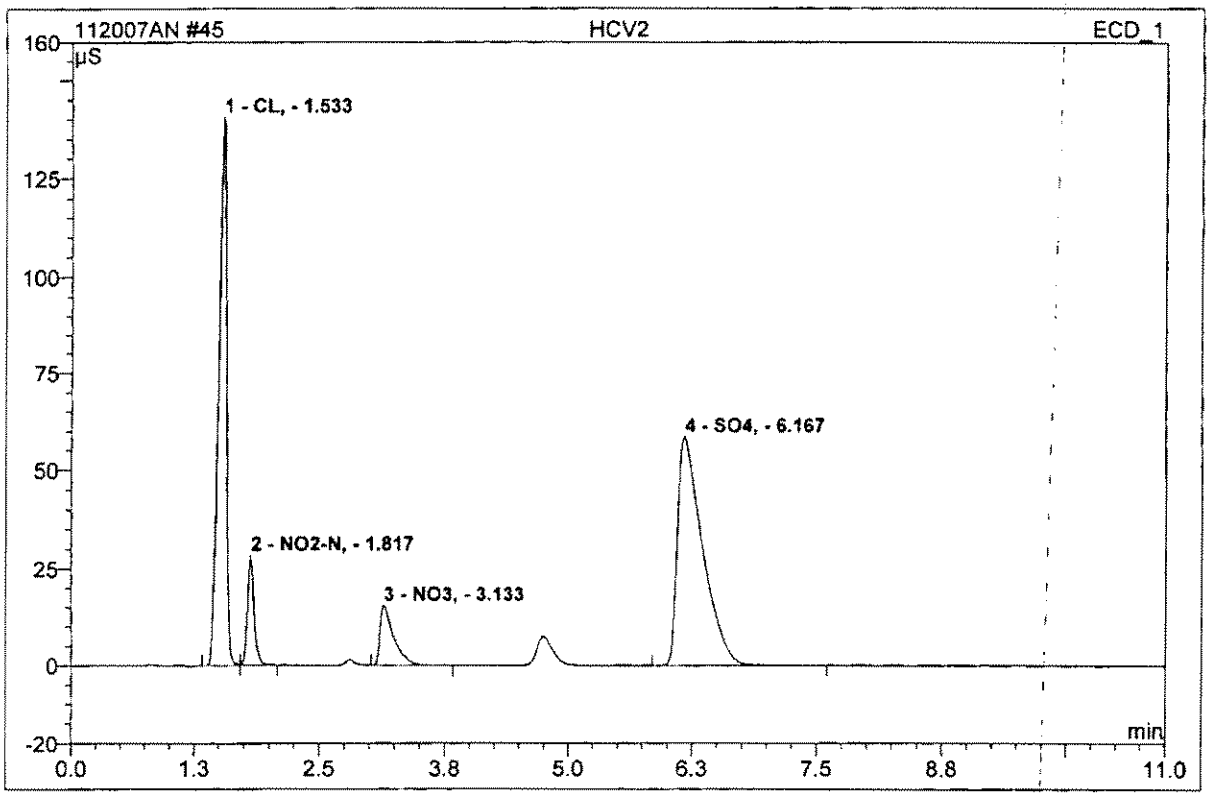
Sample Name:	**2711200202MS**	*Injection Volume:*	**1000.0**
Vial Number:	**118**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**5.0000**
Recording Time:	**11/20/2007 14:47**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	70.369	5.029	52.51	171.673	BM
2	1.82	NO2-N,	1.504	0.124	1.29	2.446	MB
3	3.25	NO3,	3.287	0.442	4.61	7.751	BMB
4	6.35	SO4,	16.560	3.982	41.58	214.810	BMB
Total:			91.719	9.577	100.00	396.680	

45 HCV2

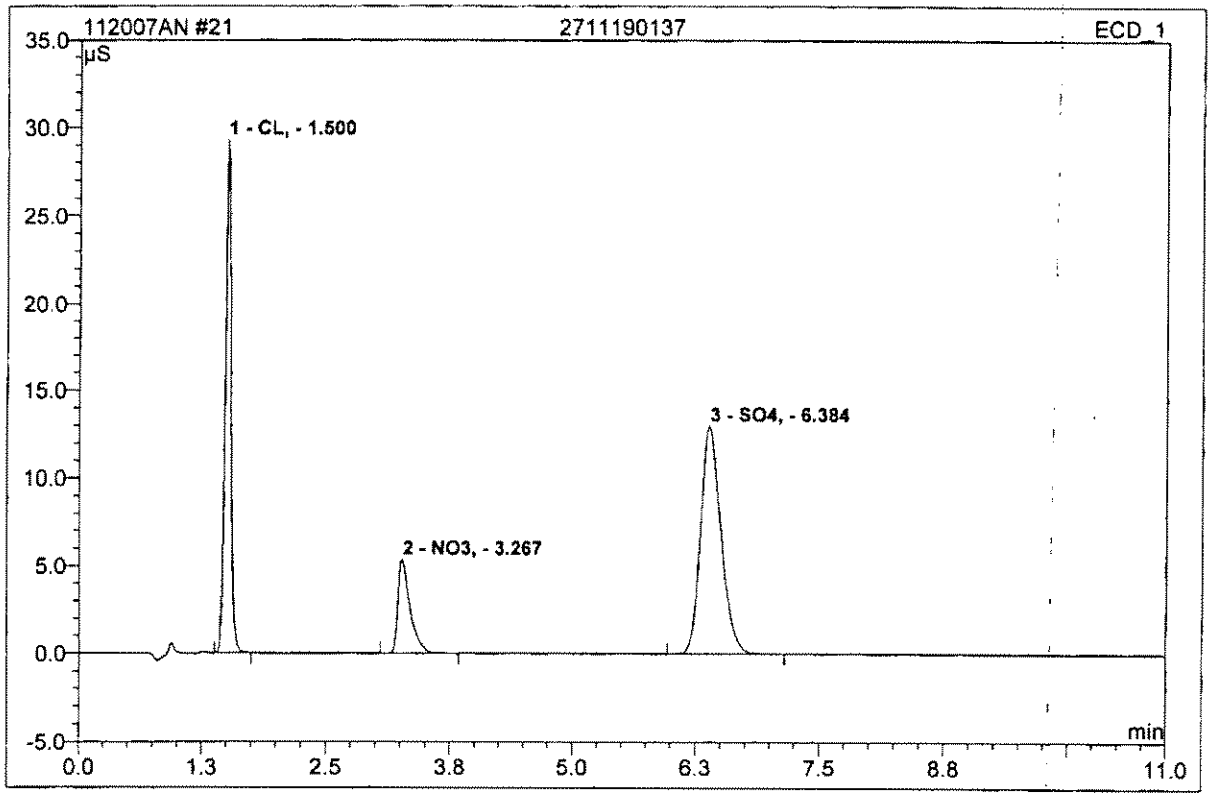
Sample Name:	**HCV2**	*Injection Volume:*	**1000.0**
Vial Number:	**118**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**1.0000**
Recording Time:	**11/20/2007 16:49**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	140.587	12.915	37.33	76.576	BM
2	1.82	NO2-N,	28.412	2.217	6.41	7.950	MB
3	3.13	NO3,	15.469	2.418	6.99	7.912	BMB
4	6.17	SO4,	58.673	17.051	49.28	153.970	BMB
Total:			243.141	34.601	100.00	246.408	

21 2711190137

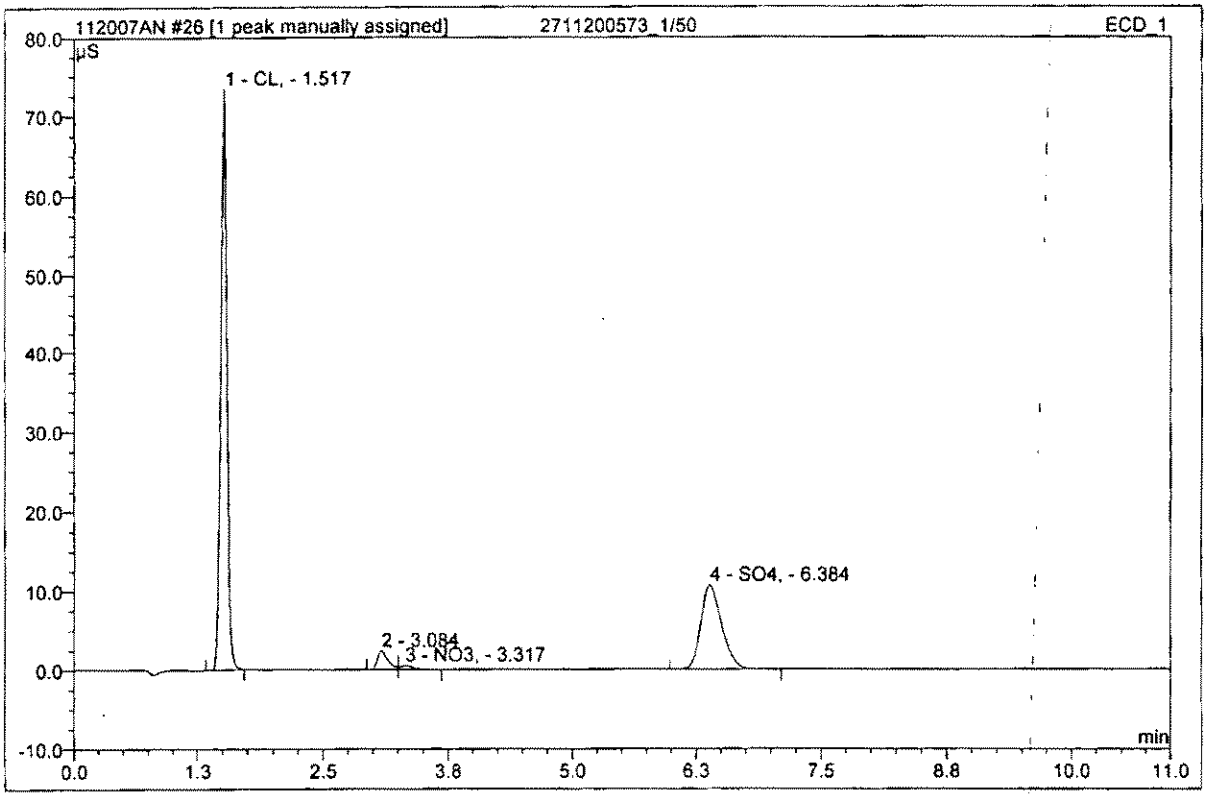
Sample Name:	**2711190137**	*Injection Volume:*	**1000.0**
Vial Number:	**114**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**2.0000**
Recording Time:	**11/20/2007 11:22**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.50	CL,	29.301	2.014	34.18	29.575	BMB
2	3.27	NO3,	5.380	0.761	12.91	5.275	BMB
3	6.38	SO4,	13.005	3.117	52.90	68.317	BMB
Total:			47.686	5.892	100.00	103.166	

26 2711200573_1/50

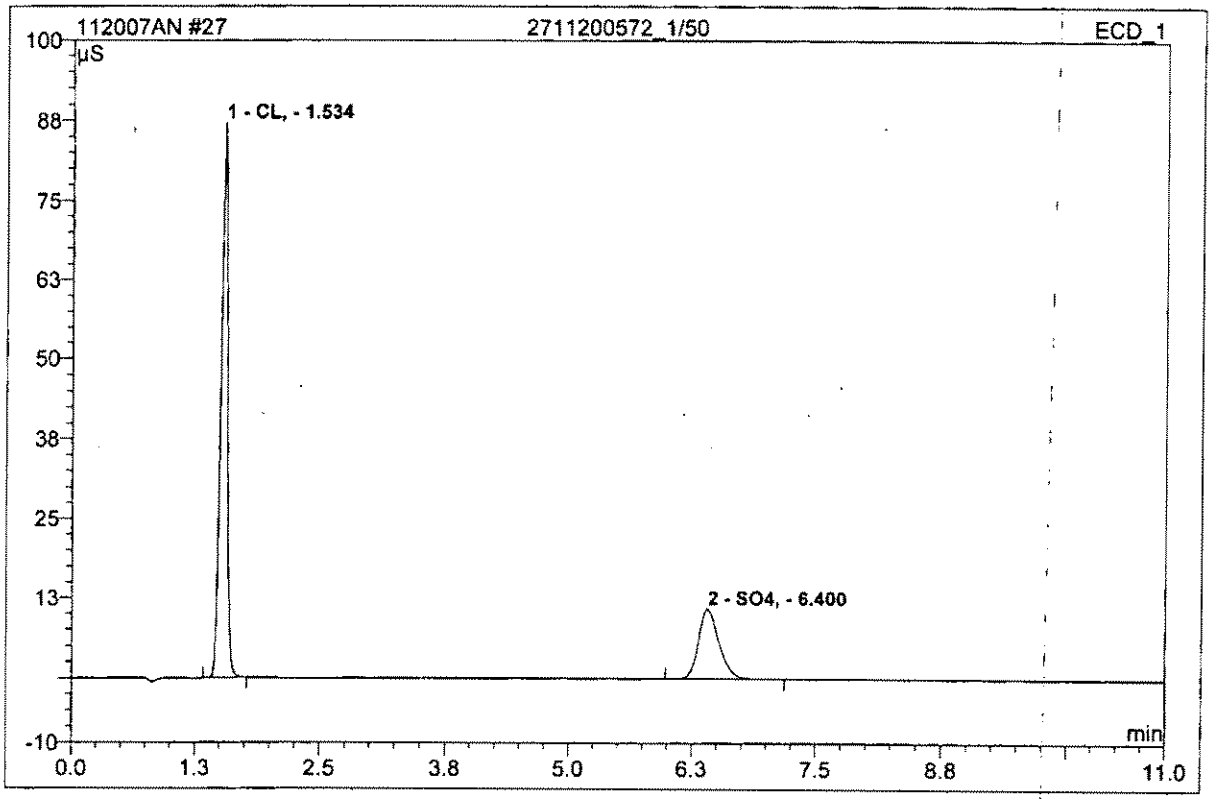
Sample Name:	**2711200573_1/50**	*Injection Volume:*	**1000.0**
Vial Number:	**115**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**50.0000**
Recording Time:	**11/20/2007 12:30**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	73.393	5.211	63.98	1771.836	BMB
3	3.32	NO3,	0.532	0.074	0.91	13.253	MB^
4	6.38	SO4,	10.684	2.565	31.48	1419.673	BMB
Total:			84.609	7.850	96.37	3204.762	

27 2711200572_1/50

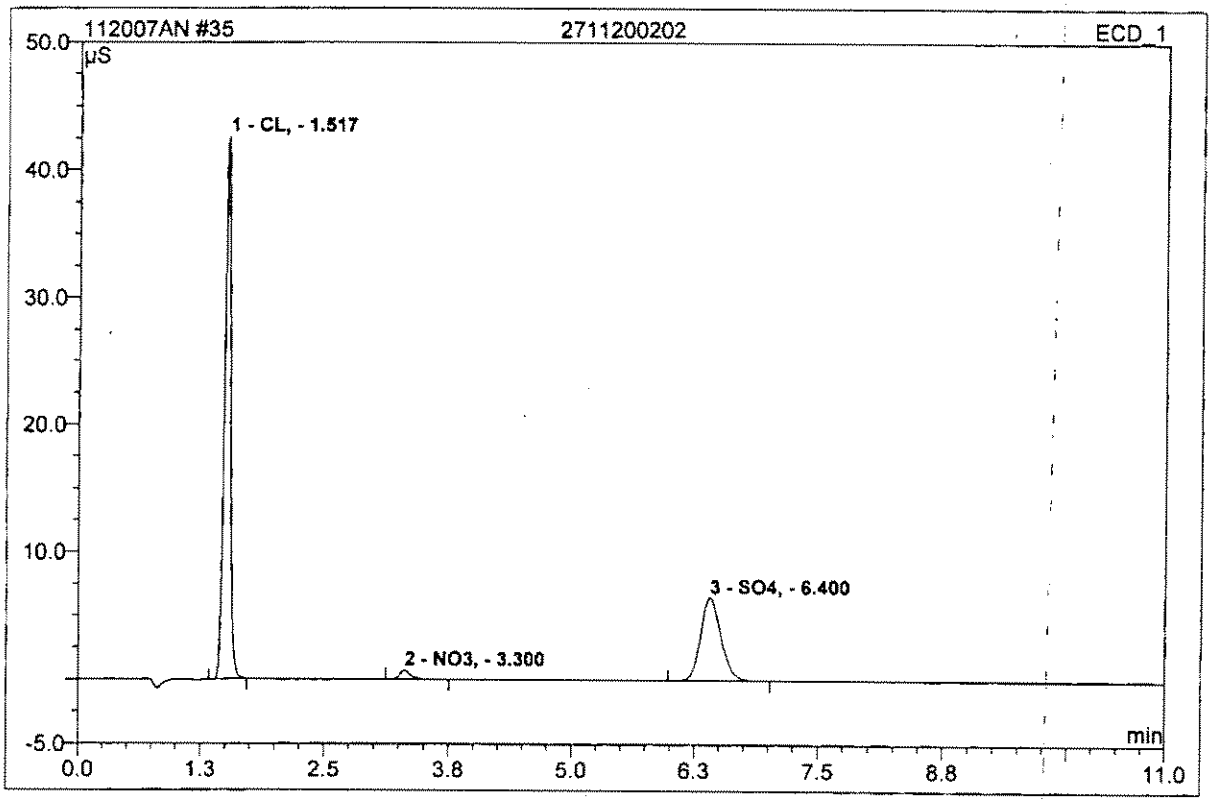
Sample Name:	**2711200572_1/50**	*Injection Volume:*	**1000.0**
Vial Number:	**115**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**50.0000**
Recording Time:	**11/20/2007 12:44**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	87.084	6.516	71.42	2156.141	BMB
2	6.40	SO4,	10.871	2.607	28.58	1442.120	BMB
Total:			97.955	9.123	100.00	3598.261	

35 2711200202

Sample Name:	**2711200202**	*Injection Volume:*	**1000.0**
Vial Number:	**118**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC#3-ANION TTL2**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#3**	*Dilution Factor:*	**5.0000**
Recording Time:	**11/20/2007 14:33**	*Sample Weight:*	**1.0000**
Run Time (min):	**11.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.52	CL,	42.619	3.010	64.41	107.676	BMB
2	3.30	NO3,	0.739	0.095	2.03	1.685	BMB
3	6.40	SO4,	6.540	1.568	33.56	88.521	BMB
Total:			49.897	4.673	100.00	197.881	

Standard Preparation Worksheet & Certificate of Analysis

Reagent Preparation Documentation

Reagent: Autocal 2 - Low RL
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / / / / / /
Date Expired:
Manufacturer:
Storage Condition: Room Temp / Fresh every calibration

MW #: JKZ071022-1
By: JKZ
Matrix: Aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib. Soln A	12.5 uL	R 201651	
Cl 1000 ppm			Cl = 0.125 ppm
NO3 100 ↓	dilute to 100 ml w/ DI H2O		NO3 = 0.0125
SO4 2000 ↓			NO2 = 0.0125
Anion Calib Soln B	12.5 uL	R 201652	SO4 = 0.25 ↓
NO2 100 ppm			

Comment: Stds. expire 11/24/08

Reagent: Autocal 2 -
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / / / / / /
Date Expired:
Manufacturer:
Storage Condition: Room Temp / Fresh every calibration

MW #: JKZ 071022-2
By: JKZ
Matrix: Aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	25 uL	R 201651	
Cl = 1000 ppm			Cl = 0.25 ppm
NO3 = 100 ↓	dilute to 100 ml w/ DI H2O		NO3 = 0.025
SO4 = 2000 ↓			NO2 = 0.025
Anion Calib Soln B	25 uL	R 201652	SO4 = 0.50
NO2 = 100 ppm			

Comment: Stds. expire 11/24/08

Reagent: Autocal 4 - MRL
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / / / / / /
Date Expired:
Manufacturer:
Storage Condition: Room Temp / Fresh every Calibration

MW #: JKZ 071022-3
By: JKZ
Matrix: Aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	50 uL	R 201651	
Cl = 1000 ppm			Cl = 0.50 ppm
NO3 = 100 ↓	dilute to 100 ml w/ DI H2O		NO3 = 0.050
SO4 = 2000 ↓			NO2 = 0.050
Anion Calib Soln B	50 uL	R 201652	SO4 = 1.00
NO2 = 100 ppm			

Comment: Stds. expire 11/24/08

Reagent Preparation Documentation

Reagent: Autocal 5
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-4
By: JKZ
Matrix: aq
Amount: 100 mL
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	100 µL	R201651	
Cl = 100 ppm			Cl = 1.00 ppm
NO_3 = 100 ↓	dilute to 100 mL w/ DI H2O		NO_3 = 0.10
SO_4 = 200 ↓			NO_2 = 0.10
Anion Calib Soln B	100 µL	R201652	SO_4 = 2.00 ↓
NO_2 = 100 ppm			

Comment: Stds. 7ppm. 11/24/08

Reagent: Autocal 6
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-5
By: JKZ
Matrix: Aq
Amount: 100 mL
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	200 µL	R201651	
Cl = 100 ppm			Cl = 2.00 ppm
NO_3 = 100 ↓	dilute to 100 mL w/ DI H2O		NO_3 = 0.20
SO_4 = 200 ↓			NO_2 = 0.20
Anion Calib Soln B	200 µL	R201652	SO_4 = 4.00 ↓
NO_2 = 100 ppm			

Comment: Stds. 7ppm. 11/24/08

Reagent: Autocal 7
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-6
By: JKZ
Matrix: aq
Amount: 100 mL
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	500 µL	R201651	
Cl = 100 ppm			Cl = 5.00 ppm
NO_3 = 100 ↓	dilute to 100 mL w/ DI H2O		NO_3 = 0.50
SO_4 = 200 ↓			NO_2 = 0.50
Anion Calib Soln B	500 µL	R201652	SO_4 = 10.0 ↓
NO_2 100 ppm			

Comment: Stds. 7ppm. 11/24/08

Reagent Preparation Documentation

Reagent: Antical 8
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-7
By: JKZ
Matrix: aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	1.00 ml } dilute to 100 mL w/ DI H2O	R20/651	
Cl = 1000 ppm			Cl = 10.0 ppm
NO3 = 100			NO3 1.00
SO4 = 2000			NO2 1.00
Anion Calib Soln B	1.00 ml	R20/652	SO4 20
NO2 = 100 ppm			

Comment: stds. expire: 11/20/08

Reagent: Antical 9
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-8
By: JKZ
Matrix: aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	2.50 ml } dilute to 100 ml w/ DI H2O	R20/651	
Cl = 1000 ppm			Cl = 25 ppm
NO3 = 100			NO3 = 2.50
SO4 = 2000			NO2 = 2.50
Anion Calib Soln B	2.50 ml	R20/652	SO4 = 50
NO2 = 100 ppm			

Comment: stds expire: 11/20/08

Reagent: Antical 10
Date Received/Prepped: 10/22/07 / 11/15 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-9
By: JKZ
Matrix: aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	} dilute to 100 ml w/ DI H2O	R20/651	
Cl = 1000 ppm	5.00 ml		Cl = 50 ppm
NO3 = 100			NO3 = 5.00
SO4 = 2000			NO2 = 5.00
Anion Calib Soln B	5.00 ml	R 201652	SO4 = 100
NO2 = 100 ppm			

Comment: stds. expire 11/24/08

Reagent Preparation Documentation

Reagent: Autocal II
Date Received/Prepped: 10/22/07 11/5 / 11/19 / 11/20 / /
Date Expired: / / / / /
Manufacturer:
Storage Condition: RT / Fresh every calibration

MW #: JKZ071022-10
By: JKZ
Matrix: Aq
Amount: 100 ml
Lot #:

Component	Comment	Standard	Concentration
Anion Calib A	10 ml	R20/651	
Cl = 1000 ppm			Cl = 100 ppm
NO3 = 100	dilute to 100 ml w/ DI H2O		NO3 = 10
SO4 = 2000			NO2 = 10
Anion Calib B	10 ml	R20/652	SO4 = 200
NO2 = 100 ppm			

Comment: Stds expire: 11/24/08

Reagent: HCV2
Date Received/Prepped: Fresh/daily / / /
Date Expired: / / / / /
Manufacturer:
Storage Condition:

MW #:
By: JKZ
Matrix: Aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	8 ml	R20/651	
Cl = 1000 ppm			Cl = 80 ppm
NO3 = 100	dilute to 100 ml w/ DI H2O		NO3 = 8
SO4 = 2000			NO2 = 8
Anion Calib Soln B	8 ml	R20/652	SO4 = 160
NO2 = 100 ppm			

Comment: Stds. expire: 10/24/08

Reagent: MCV
Date Received/Prepped: Fresh/daily / / /
Date Expired: / / / / /
Manufacturer:
Storage Condition:

MW #:
By: JKZ
Matrix: Aq
Amount: 100 ml
Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	2.00 ml	R20/651	
Cl = 1000 ppm			Cl = 20 ppm
NO3 = 100	dilute to 100 ml w/ DI H2O		NO3 = 2.0
SO4 = 2000			NO2 = 2.0
Anion Calib Soln B	2.00 ml	R20/652	SO4 = 40
NO2 = 100 ppm			

Comment: Stds. expire: 10/24/08

Reagent Documentation

Reagent: Anion Calibration Stock Soln. NO$_2$-B
Date Received: 29 May 07
Date Expired: 11/24/08
Manufacturer: CPI
Storage Condition: room temp

Reagent #: 201651
By: TLH
Matrix: aq
Amount: 10 X 125mL
Lot #: 07E209

Component	Comment	Standard	Concentration
	CPI #1400-050110rh03		

Comment:

Reagent: Anion Calibration Stock Soln. -A
Date Received: 29 May 07
Date Expired: 11/24/08
Manufacturer: CPI
Storage Condition: room temp

Reagent #: 201652
By: TLH
Matrix: aq
Amount: 10X125
Lot #: 07E209

Component	Comment	Standard	Concentration
	CPI #1400-050110rh03		

Comment:

Reagent: Ultrex Nitric Acid
Date Received: 30 May 07 / 12 Jun 07
Date Expired: May 2010
Manufacturer: J.T. Baker
Storage Condition: room temp

Reagent #: 201653
By: TLH
Matrix: aq
Amount: 2 x 500ml 4x500ml
Lot #: C15120

Component	Comment	Standard	Concentration
	J.T. Baker # 10901-05		

Comment:

CPI INTERNATIONAL

USA
5580 Skylane Boulevard 707.525.5788
Santa Rosa, CA 95403 800.878.7654
www.cpiinternational.com Fax 707.545.7901

EUROPE
P.O. Box 2704 +31 20 638 05 97
1000 CS Amsterdam Fax +31 20 420 28 36
The Netherlands www.cpiinternational.com

Innovative Solutions in Analytical Science and Technology

Expiry: 11/24/2008

Certificate of Analysis

Part Number: **4400-050110rh03** **Solution A**
Lot Number: **07E209**
Shelf Life: **18 months**

MWH
Anion Calibration Stock Solution
H2O

Concentrations in ug/mL ± 0.5%

Cl	1000
N (NO3)	100
SO4	2000
Br	40
P	500

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.

R201651 rec'd 5-29-07

CPI INTERNATIONAL

USA
5580 Skylane Boulevard 707.525.5788
Santa Rosa, CA 95403 800.878.7654
www.cpiinternational.com Fax 707.545.7901

EUROPE
P.O. Box 2704 +31 20 638 05 97
1000 CS Amsterdam Fax +31 20 420 28 36
The Netherlands www.cpiinternational.com

Innovative Solutions in Analytical Science and Technology

Expiry: 11/4/2008

Certificate of Analysis

Part Number: **4400-050110rh03** **Solution B**
Lot Number: **07E209**
Shelf Life: **18 months**

MWH
Anion Calibration Stock Solution
H2O

Concentrations in ug/mL ± 0.5%

N (NO2)	100

This standard solution was prepared using high-purity starting materials, high-purity acid (if required) and 18-megaohm de-ionized water. The starting materials were weighed to five significant figures and diluted in volumetric glassware calibrated to five significant figures.

Starting materials were analyzed at 1000µg/mL by ICP-MS for trace impurities. The standard solution concentrations were certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series, NIST approved second source and/or gravimetrically.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for the stated shelf life from the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA, +31 20 638 05 97 in Europe or visit our web-site at www.cpiinternational.com.