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Level IV Data Package

MWH Group 192802

Method: 300.0 NO3

Sample No.:

2701090303

2701090304

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

Analysis Date: 01/09/07 Analyst: JH

QC'd by JH Date 11 Jan 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, CLRL, MBLANK,) to be analyzed with every batch (up to 20 samples) or part thereof

- ☒ MBLANK is analyzed before samples. Anions, if present, should be $\leq$ or = half of the MRL (LOWRL or CLRL).
- ☒ LOWRL & CLRL 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)
CLRL	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 is 90%-110% recovery.

- ☒ 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
- ☒ No H3 for main samples Samples for nitrate and nitrite are analyzed within 48 hours of collection.
- ☒ Samples for chloride and sulfate are analyzed within 28 days of collection.

none NO39056

none CL-LF

none SO4-LF

QIR

none QIR needed for failed QC

none QIR needed for samples analyzed outside of hold time

☒ Change MDL for NO2-N + NO3 to 0.0125 for samples diluted more than 10X.

Misc

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

none for NO2-N, MCL = 1 ppm

none for NO3, MCL = 10 ppm

none Kerr McGee samples

(2) 2701090304
303

2701090310 Chino Well 13
(Yolanda)

SUMMARY SHEET

File ID: 010907AN
Date Started: 01/09/07
Analyst ID: jkz

SAMPLE ID

autocal1	(09:35)	autocal2	(09:49)	autocal3	(10:02)
autocal4	(10:16)	autocal5	(10:30)	autocal6	(10:43)
autocal7	(10:57)	autocal8	(11:10)	autocal9	(11:24)
autocal10	(11:38)	autocal11	(11:51)	LOWRL	(13:00)
2701080257	(14:08)	2701080258_1	(15:24)	2701080260_1	(15:37)
2701080261_1	(15:51)	2701080262_1	(16:18)	2701080426_1	(16:32)
2701080427_1	(16:45)	2701080428_1	(16:59)	2701080429_1	(17:13)
2701080430_1	(17:26)	2701080263	(18:07)	2701080431_1	(18:34)
2701080432_1	(18:48)	2701080433_1	(19:02)	2701080434_1	(19:15)
2701090304_1	(19:29)	2701090303_1	(19:43)	2701090265_1	(19:56)
2701090258_1	(20:10)	2701090266_1	(20:23)	LOWRL	(21:18)
2701090267_1	(22:26)	2701090268_1	(23:07)	2701090260_1	(23:21)
2701090269_1	(23:34)	2701090270_1	(23:48)	2701090271_1	(00:01)
2701090261_1	(00:15)	2701090262_1	(00:29)	2701090272_1	(00:42)
2701090263_1	(00:56)	2701090400_1	(01:37)	2701090401_1	(02:04)
2701090264_1	(02:18)	2701090305_1	(02:31)	2701090306_1	(02:45)
2701090307_1	(02:59)	2701090308_1	(03:12)	2701090310_1	(03:26)
2701090309_1	(03:40)	2701090330_1	(03:53)	LOWRL	(04:48)
2701090332_1	(05:56)	2701090351_1	(06:37)	2701090354_1	(08:11)
2701090355_1	(08:24)	2701090652_1	(08:38)	2701090656_1	(08:51)
2701090654_1	(09:05)	2701090669_1	(09:19)	2701090657_1	(09:32)
2701090670_1	(09:46)		()		

COMMENT:

new calibration

(column, guard column changed)

Analyst: jkz

Approved By: ln

File ID: 010907AN

RUN - LOG

Sample ID	Date	Time	Dil
autocal1	01/09/07	09:35	1
autocal2	01/09/07	09:49	1
autocal3	01/09/07	10:02	1
autocal4	01/09/07	10:16	1
autocal5	01/09/07	10:30	1
autocal6	01/09/07	10:43	1
autocal7	01/09/07	10:57	1
autocal8	01/09/07	11:10	1
autocal9	01/09/07	11:24	1
autocal10	01/09/07	11:38	1
autocal11	01/09/07	11:51	1
HCV2	01/09/07	12:05	1
HCV1	01/09/07	12:19	1
MCV	01/09/07	12:32	1
CCB	01/09/07	12:46	1
LOWRL	01/09/07	13:00	1
MRL	01/09/07	13:13	1
MBLANK	01/09/07	13:27	1
LCS	01/09/07	13:40	1
LCSD	01/09/07	13:54	1
2701080257	01/09/07	14:08	2
2701080257MS	01/09/07	14:21	2
2701080257MSD	01/09/07	14:35	2
2701080258_1/2	01/09/07	15:24	2
2701080260_1/2	01/09/07	15:37	2
2701080261_1/2	01/09/07	15:51	2
2701080262_1/2	01/09/07	16:18	2
2701080426_1/10	01/09/07	16:32	10
2701080427	01/09/07	16:45	1
2701080428	01/09/07	16:59	1
2701080429_1/10	01/09/07	17:13	10
2701080430_1/10	01/09/07	17:26	10
MCV	01/09/07	17:40	1
CCB	01/09/07	17:53	1
2701080263	01/09/07	18:07	2
2701080263MS	01/09/07	18:21	2
2701080431_1/10	01/09/07	18:34	10
2701080432_1/10	01/09/07	18:48	10
2701080433_1/10	01/09/07	19:02	10
2701080434_1/10	01/09/07	19:15	10
2701090304_1/50	01/09/07	19:29	50
2701090303_1/50	01/09/07	19:43	50
2701090265	01/09/07	19:56	1
2701090258	01/09/07	20:10	1
2701090266	01/09/07	20:23	1
HCV2	01/09/07	20:37	1
HCV1	01/09/07	20:51	1
CCB	01/09/07	21:04	1
LOWRL	01/09/07	21:18	1

File ID: 010907AN

RUN - LOG

Sample ID	Date	Time	Dil
MRL	01/09/07	21:32	1
MBLANK	01/09/07	21:45	1
LCS	01/09/07	21:59	1
LCSD	01/09/07	22:12	1
2701090267	01/09/07	22:26	1
2701090267MS	01/09/07	22:40	1
2701090267MSD	01/09/07	22:53	1
2701090268	01/09/07	23:07	1
2701090260	01/09/07	23:21	1
2701090269	01/09/07	23:34	1
2701090270	01/09/07	23:48	1
2701090271	01/10/07	00:01	1
2701090261	01/10/07	00:15	1
2701090262	01/10/07	00:29	1
2701090272	01/10/07	00:42	1
2701090263	01/10/07	00:56	1
MCV	01/10/07	01:10	1
CCB	01/10/07	01:23	1
2701090400	01/10/07	01:37	2
2701090400MS	01/10/07	01:51	2
2701090401_1/2	01/10/07	02:04	2
2701090264	01/10/07	02:18	1
2701090305_1/2	01/10/07	02:31	2
2701090306	01/10/07	02:45	1
2701090307	01/10/07	02:59	1
2701090308_1/2	01/10/07	03:12	2
2701090310_1/2	01/10/07	03:26	2
2701090309_1/2	01/10/07	03:40	2
2701090330_1/2	01/10/07	03:53	2
HCV2	01/10/07	04:07	1
HCV1	01/10/07	04:20	1
CCB	01/10/07	04:34	1
LOWRL	01/10/07	04:48	1
MRL	01/10/07	05:01	1
MBLANK	01/10/07	05:15	1
LCS	01/10/07	05:29	1
LCSD	01/10/07	05:42	1
2701090332	01/10/07	05:56	2
2701090332MS	01/10/07	06:10	2
2701090332MSD	01/10/07	06:23	2
2701090351_1/2	01/10/07	06:37	2
2701090354	01/10/07	08:11	1
2701090355	01/10/07	08:24	1
2701090652_1/2	01/10/07	08:38	2
2701090656_1/2	01/10/07	08:51	2
2701090654_1/2	01/10/07	09:05	2
2701090669_1/2	01/10/07	09:19	2
2701090657_1/2	01/10/07	09:32	2
2701090670_1/2	01/10/07	09:46	2
MCV	01/10/07	10:00	1

File ID: 010907AN

RUN - LOG

<u>Sample ID</u>	<u>Date</u>	<u>Time</u>	<u>Dil</u>
CCB	01/10/07	10:13	1 0

BATCH NUMBER for 010907AN

Test Parameter:

CL NO2-N NO3 SO4 NO3A

Batch ID: 2701080257

2701080257	2701080258_1/2	2701080260_1/2
2701080261_1/2	2701080262_1/2	2701080426_1/10
2701080427	2701080428	2701080429_1/10
2701080430_1/10	2701080263	2701080431_1/10
2701080432_1/10	2701080433_1/10	2701080434_1/10
2701090304_1/50	2701090303_1/50	2701090265
2701090258	2701090266	

Batch ID: 2701090267

2701090267	2701090268	2701090260
2701090269	2701090270	2701090271
2701090261	2701090262	2701090272
2701090263	2701090400	2701090401_1/2
2701090264	2701090305_1/2	2701090306
2701090307	2701090308_1/2	2701090310_1/2
2701090309_1/2	2701090330_1/2	

Batch ID: 2701090332

2701090332	2701090351_1/2	2701090354
2701090355	2701090652_1/2	2701090656_1/2
2701090654_1/2	2701090669_1/2	2701090657_1/2
2701090670_1/2		

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
autocal1	01/09/07	09:35	1	0	ND		
autocal2	01/09/07	09:49	1	.01389149	ND		
autocal3	01/09/07	10:02	1	.02591043	ND		
autocal4	01/09/07	10:16	1	.05032623	ND		
autocal5	01/09/07	10:30	1	.10106	0.100		
autocal6	01/09/07	10:43	1	.19025	0.19		
autocal7	01/09/07	10:57	1	.47519	0.48		
autocal8	01/09/07	11:10	1	.96556	0.97		
autocal9	01/09/07	11:24	1	2.4525	2.5		
autocal10	01/09/07	11:38	1	5.0498	5.0		
autocal11	01/09/07	11:51	1	9.9915	10		
HCV2	01/09/07	12:05	1	8.0549	8.05	90-110	100%
HCV1	01/09/07	12:19	1	5.1848	5.18	90-110	103%
MCV	01/09/07	12:32	1	2.0180	2.02	90-110	100%
CCB	01/09/07	12:46	1	0	ND		
LOWRL	01/09/07	13:00	1	.01453488	ND	116.2	99.2
MRL	01/09/07	13:13	1	.04964089	ND	50-150	~~49.6%~~ Q
MBLANK	01/09/07	13:27	1	0	ND		
LCS	01/09/07	13:40	1	2.5100	2.51	90-110	100%
LCSD	01/09/07	13:54	1	2.4658	2.47	90-110	98.6%
2701080257	01/09/07	14:08	2	5.0496	5.0	90-110	
2701080257MS	01/09/07	14:21	2	7.4863	7.49	90-110	97.4% <i>8/8</i>
2701080257MSD	01/09/07	14:35	2	7.4961	7.5	90-110	97.8% <i>8/8 01/11/07</i>
2701080257T	01/09/07	14:35	2		2.50	90-110	
2701080258_1/2	01/09/07	15:24	2	5.0722	5.1		
2701080260_1/2	01/09/07	15:37	2	8.1587	8.2		
2701080261_1/2	01/09/07	15:51	2	2.8362	2.8		
2701080262_1/2	01/09/07	16:18	2	4.9329	4.9		
2701080426_1/10	01/09/07	16:32	10	11.000	11		
2701080427	01/09/07	16:45	1	8.4228	8.4		
2701080428	01/09/07	16:59	1	9.1963	9.2		
2701080429_1/10	01/09/07	17:13	10	8.9006	8.9		
2701080430_1/10	01/09/07	17:26	10	2.8693	2.9		
MCV	01/09/07	17:40	1	2.0107	2.01	90-110	100%
CCB	01/09/07	17:53	1	0	ND		
2701080263	01/09/07	18:07	2	3.2380	3.2		
2701080263MS	01/09/07	18:21	2	5.7369	5.74	90-110	99.9%
2701080431_1/10	01/09/07	18:34	10	2.7035	2.7		
2701080432_1/10	01/09/07	18:48	10	10.299	10		
2701080433_1/10	01/09/07	19:02	10	10.170	10		
2701080434_1/10	01/09/07	19:15	10	10.330	10		

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2701090304_1/50	01/09/07	19:29	50	18.198	18✓		
2701090303_1/50	01/09/07	19:43	50	0	ND✓		
2701090265	01/09/07	19:56	1	.06808955	ND✓		
2701090258	01/09/07	20:10	1	8.318755999999999D-02	ND✓		
2701090266	01/09/07	20:23	1	6.482744999999999D-02	ND✓		
HCV2	01/09/07	20:37	1	8.4128	8.41	90-110	105%
HCV1	01/09/07	20:51	1	5.3395	5.34	90-110	106%
CCB	01/09/07	21:04	1	0	ND		
LOWRL	01/09/07	21:18	1	.01414495	ND	113	
MRL	01/09/07	21:32	1	.05303796	ND	50-150	~~53.0%~~ 106% 2
MBLANK	01/09/07	21:45	1	0	ND		
LCS	01/09/07	21:59	1	2.5502	2.55✓	90-110	102%
LCSD	01/09/07	22:12	1	2.5117	2.51✓	90-110	100%
2701090267	01/09/07	22:26	1	7.513189000000001D-02	ND✓		
2701090267MS	01/09/07	22:40	1	1.4116	1.41	[1.336]	✓ 106% JH
2701090267MSD	01/09/07	22:53	1	1.4292	1.43	[1.354]	✓ 108% 01/11/07
2701090267T	01/09/07	22:53	1		1.25	90 - 110	
2701090268	01/09/07	23:07	1	7.496804999999999D-02	ND✓		
2701090260	01/09/07	23:21	1	8.402506999999999D-02	ND✓		
2701090269	01/09/07	23:34	1	.08032628	ND✓		
2701090270	01/09/07	23:48	1	.07147004	ND✓		
2701090271	01/10/07	00:01	1	.08282541	ND✓		
2701090261	01/10/07	00:15	1	.08246333	ND✓		
2701090262	01/10/07	00:29	1	.06529027	ND✓		
2701090272	01/10/07	00:42	1	.10220	0.100✓		
2701090263	01/10/07	00:56	1	7.660077999999999D-02	ND✓		
MCV	01/10/07	01:10	1	2.0876	2.09	90-110	104%
CCB	01/10/07	01:23	1	0	ND		
2701090400	01/10/07	01:37	2	4.0321	4.0✓	1.25 1.28	
2701090400MS	01/10/07	01:51	2	6.5909	6.59	[2.559]	102%
2701090401_1/2	01/10/07	02:04	2	3.6409	3.6✓		
2701090264	01/10/07	02:18	1	6.364711000000001D-02	ND✓		JH 01/11/07
2701090305_1/2	01/10/07	02:31	2	3.6858	3.7✓		
2701090306	01/10/07	02:45	1	3.7987	3.8✓		
2701090307	01/10/07	02:59	1	5.8319	5.8✓		
2701090308_1/2	01/10/07	03:12	2	5.6318	5.6✓		
2701090310_1/2	01/10/07	03:26	2	13.888	14✓		
2701090309_1/2	01/10/07	03:40	2	2.7305	2.7✓		
2701090330_1/2	01/10/07	03:53	2	4.9576	5.0✓		
HCV2	01/10/07	04:07	1	8.4192	8.42	90-110	105%
HCV1	01/10/07	04:20	1	5.3199	5.32	90-110	106%

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
CCB	01/10/07	04:34	1	0	ND		
LOWRL	01/10/07	04:48	1	.01778	ND	1422	1002
MRL	01/10/07	05:01	1	.05023816	ND	50-150	~~50.28~~
MBLANK	01/10/07	05:15	1	0	ND		
LCS	01/10/07	05:29	1	2.5705	2.57 ✓	90-110	102%
LCSD	01/10/07	05:42	1	2.5010	2.5 ✓	90-110	100%
2701090332	01/10/07	05:56	2	4.8863	4.9 ✓	1.25	1.28 ✓
2701090332MS	01/10/07	06:10	2	7.4418	7.44	[2.555]	102% 88
2701090332MSD	01/10/07	06:23	2	7.4276	7.43 1.27	[2.541]	101% 01/11/07
2701090332T	01/10/07	06:23	2		2.50	90 - 110	
2701090351_1/2	01/10/07	06:37	2	6.6411	6.6 ✓		
2701090354	01/10/07	08:11	1	.77070	0.77 ✓		
2701090355	01/10/07	08:24	1	.82679	0.83 ✓		
2701090652_1/2	01/10/07	08:38	2	4.1344	4.1 ✓		
2701090656_1/2	01/10/07	08:51	2	3.8862	3.9 ✓		
2701090654_1/2	01/10/07	09:05	2	3.8838	3.9 ✓		
2701090669_1/2	01/10/07	09:19	2	3.8866	3.9 ✓		
2701090657_1/2	01/10/07	09:32	2	3.8670	3.9 ✓		
2701090670_1/2	01/10/07	09:46	2	3.7095	3.7 ✓		
MCV	01/10/07	10:00	1	2.0985	2.1	90-110	104%
CCB	01/10/07	10:13	1	0	ND		
			0	N/A	ND		

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
autocal1	01/09/07	09:35	1	0	ND		
autocal2	01/09/07	09:49	1	.06112255	.1		
autocal3	01/09/07	10:02	1	.11400	0.11		
autocal4	01/09/07	10:16	1	.22143	0.22		
autocal5	01/09/07	10:30	1	.44469	0.44		
autocal6	01/09/07	10:43	1	.83712	0.84		
autocal7	01/09/07	10:57	1	2.0908	2.1		
autocal8	01/09/07	11:10	1	4.2484	4.2		
autocal9	01/09/07	11:24	1	10.791	11		
autocal10	01/09/07	11:38	1	22.219	22		
autocal11	01/09/07	11:51	1	43.963	44		
HCV2	01/09/07	12:05	1	35.441	35.4	90-110	
HCV1	01/09/07	12:19	1	22.813	22.8	90-110	
MCV	01/09/07	12:32	1	8.8796	8.88	90-110	
CCB	01/09/07	12:46	1	0	ND		
LOWRL	01/09/07	13:00	1	.06395349	.1		
MRL	01/09/07	13:13	1	.21841	0.218	50-150	
MBLANK	01/09/07	13:27	1	0	ND		
LCS	01/09/07	13:40	1	11.044	11	90-110	
LCSD	01/09/07	13:54	1	10.849	10.8	90-110	
2701080257	01/09/07	14:08	2	22.218	22		
2701080257MS	01/09/07	14:21	2	32.939	32.9		
2701080257MSD	01/09/07	14:35	2	32.983	33		
2701080258_1/2	01/09/07	15:24	2	22.317	22		
2701080260_1/2	01/09/07	15:37	2	35.898	36		
2701080261_1/2	01/09/07	15:51	2	12.479	12		
2701080262_1/2	01/09/07	16:18	2	21.705	22		
2701080426_1/10	01/09/07	16:32	10	48.402	48		
2701080427	01/09/07	16:45	1	37.060	37		
2701080428	01/09/07	16:59	1	40.464	40		
2701080429_1/10	01/09/07	17:13	10	39.162	39		
2701080430_1/10	01/09/07	17:26	10	12.625	13		
MCV	01/09/07	17:40	1	8.8471	8.85	90-110	
CCB	01/09/07	17:53	1	0	ND		
2701080263	01/09/07	18:07	2	14.247	14		
2701080263MS	01/09/07	18:21	2	25.242	25.2		
2701080431_1/10	01/09/07	18:34	10	11.895	12		
2701080432_1/10	01/09/07	18:48	10	45.318	45		
2701080433_1/10	01/09/07	19:02	10	44.750	45		
2701080434_1/10	01/09/07	19:15	10	45.456	45		

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2701090304_1/50	01/09/07	19:29	50	80.073	80		
2701090303_1/50	01/09/07	19:43	50	0	ND		
2701090265	01/09/07	19:56	1	.29959	0.30		
2701090258	01/09/07	20:10	1	.36602	0.37		
2701090266	01/09/07	20:23	1	.28524	0.29		
HCV2	01/09/07	20:37	1	37.016	37	90-110	
HCV1	01/09/07	20:51	1	23.494	23.5	90-110	
CCB	01/09/07	21:04	1	0	ND		
LOWRL	01/09/07	21:18	1	.06223	0.062		
MRL	01/09/07	21:32	1	.23336	0.233	50-150	
MBLANK	01/09/07	21:45	1	0	ND		
LCS	01/09/07	21:59	1	11.221	11.2	90-110	
LCSD	01/09/07	22:12	1	11.051	11.1	90-110	
2701090267	01/09/07	22:26	1	.33058	0.33		
2701090267MS	01/09/07	22:40	1	6.2110	6.21		
2701090267MSD	01/09/07	22:53	1	6.2887	6.29		
2701090268	01/09/07	23:07	1	.32985	0.33		
2701090260	01/09/07	23:21	1	.36971	0.37		
2701090269	01/09/07	23:34	1	.35343	0.35		
2701090270	01/09/07	23:48	1	.31446	0.31		
2701090271	01/10/07	00:01	1	.36443	0.36		
2701090261	01/10/07	00:15	1	.36283	0.36		
2701090262	01/10/07	00:29	1	.28727	0.29		
2701090272	01/10/07	00:42	1	.44971	0.45		
2701090263	01/10/07	00:56	1	.33704	0.34		
MCV	01/10/07	01:10	1	9.1856	9.19	90-110	
CCB	01/10/07	01:23	1	0	ND		
2701090400	01/10/07	01:37	2	17.741	18		
2701090400MS	01/10/07	01:51	2	29.000	29		
2701090401_1/2	01/10/07	02:04	2	16.020	16		
2701090264	01/10/07	02:18	1	.28004	0.28		
2701090305_1/2	01/10/07	02:31	2	16.217	16		
2701090306	01/10/07	02:45	1	16.714	17		
2701090307	01/10/07	02:59	1	25.660	26		
2701090308_1/2	01/10/07	03:12	2	24.780	25		
2701090310_1/2	01/10/07	03:26	2	61.109	61		
2701090309_1/2	01/10/07	03:40	2	12.014	12		
2701090330_1/2	01/10/07	03:53	2	21.813	22		
HCV2	01/10/07	04:07	1	37.044	37	90-110	
HCV1	01/10/07	04:20	1	23.407	23.4	90-110	

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
CCB	01/10/07	04:34	1	0	ND		
LOWRL	01/10/07	04:48	1	.07824	0.078		
MRL	01/10/07	05:01	1	.22104	0.221	50-150	
MBLANK	01/10/07	05:15	1	0	ND		
LCS	01/10/07	05:29	1	11.310	11.3	90-110	
LCSD	01/10/07	05:42	1	11.004	11	90-110	
2701090332	01/10/07	05:56	2	21.499	21		
2701090332MS	01/10/07	06:10	2	32.743	32.7		
2701090332MSD	01/10/07	06:23	2	32.681	32.7		
2701090351_1/2	01/10/07	06:37	2	29.221	29		
2701090354	01/10/07	08:11	1	3.3910	3.4		
2701090355	01/10/07	08:24	1	3.6379	3.6		
2701090652_1/2	01/10/07	08:38	2	18.191	18		
2701090656_1/2	01/10/07	08:51	2	17.099	17		
2701090654_1/2	01/10/07	09:05	2	17.089	17		
2701090669_1/2	01/10/07	09:19	2	17.101	17		
2701090657_1/2	01/10/07	09:32	2	17.015	17		
2701090670_1/2	01/10/07	09:46	2	16.321	16		
MCV	01/10/07	10:00	1	9.2334	9.23	90-110	
CCB	01/10/07	10:13	1	0	ND		
			0	N/A	ND		

Landscape Summary

File ID: 010907an

Date: 01/09/07

Analyst: j

Sample ID	Time	CL	NO2-N	NO3	SO4	NO3A
autocal1	09:35	0.0000	0.0000	0.0000	0.0000	0.0000
autocal2	09:49	0.1295	0.0151	0.0139	0.2470	0.0611
autocal3	10:02	0.2266	0.0265	0.0259	0.5596	0.1140
autocal4	10:16	0.4388	0.0534	0.0503	0.9749	0.2214
autocal5	10:30	0.8608	0.1032	0.1011	1.879	0.4447
autocal6	10:43	1.795	0.2040	0.1903	3.880	0.8371
autocal7	10:57	4.534	0.4873	0.4752	9.700	2.091
autocal8	11:10	9.630	0.9933	0.9656	19.79	4.248
autocal9	11:24	25.38	2.487	2.453	50.23	10.79
autocal10	11:38	49.93	5.013	5.050	99.96	22.22
autocal11	11:51	89.85	9.998	9.992	184.6	43.96
HCV2	12:05	75.2/80	7.99	8.05	153	35.4
HCV1	12:19	51.2/50	5.11	5.18	102	22.8
MCV	12:32	21.0/20	2.05	2.02	41.5	8.88
CCB	12:46	0.0000	0.0000	0.0000	0.0000	0.0000
LOWRL	13:00	0.1274	0.0135	0.0145	0.2698	0.0640
MRL	13:13	0.472 (1)	0.054	0.050	1.00	0.218
MBLANK	13:27	0.0000	0.0000	0.0000	0.0154	0.0000
LCS	13:40	26.2/25	1.10	2.51	52.3	11.0
LCSD	13:54	25.8/25	1.06	2.47	51.3	10.8
2701080257	14:08	27.85	0.0000	5.050	69.24	22.22
2701080257MS	14:21	53.98	1.079	7.486	119.3	32.94
2701080257MSD	14:35	54.26	1.078	7.496	120.0	32.98
2701080258_1/2	15:24	27.63	0.0000	5.072	70.18	22.32
2701080260_1/2	15:37	20.59	0.0000	8.159	107.6	35.90
2701080261_1/2	15:51	9.198	0.0000	2.836	25.52	12.48
2701080262_1/2	16:18	26.87	0.0000	4.933	66.10	21.71
2701080426_1/10	16:32	308.0	0.0000	11.00	537.6	48.40
2701080427	16:45	54.40	0.0000	8.423	16.22	37.06
2701080428	16:59	60.45	0.0000	9.196	13.73	40.46
2701080429_1/10	17:13	58.09	0.0000	8.901	12.98	39.16
2701080430_1/10	17:26	329.7	1.178	2.869	571.4	12.63
MCV	17:40	20.9/20	2.03	2.01	41.4	8.85
CCB	17:53	0.0000	0.0000	0.0000	0.0000	0.0000
2701080263	18:07	41.28	0.0000	3.238	105.4	14.25
2701080263MS	18:21	67.54	1.061	5.737	155.9	25.24
2701080431_1/10	18:34	333.0	1.267	2.704	587.9	11.90
2701080432_1/10	18:48	319.7	1.234	10.30	524.4	45.32
2701080433_1/10	19:02	322.2	1.178	10.17	527.0	44.75
2701080434_1/10	19:15	321.5	0.9517	10.33	526.8	45.46
2701090304_1/50	19:29	*1961.3	0.0000	18.20	*1783.9	80.07
2701090303_1/50	19:43	*2312.2	0.0000	0.0000	*1736.1	0.0000
2701090265	19:56	6.958	0.0291	0.0681	0.6442	0.2996
2701090258	20:10	6.443	0.0000	0.0832	0.5419	0.3660
2701090266	20:23	6.806	0.0000	0.0648	0.6443	0.2852
HCV2	20:37	78.1/80	8.38	8.41	159	37.0
HCV1	20:51	52.4/50	5.22	5.34	105	23.5
CCB	21:04	0.0000	0.0000	0.0000	0.0000	0.0000
LOWRL	21:18	0.1378	0.0164	0.0141	0.2485	0.0622

Landscape Summary

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Sample ID	Time	CL	NO2-N	NO3	SO4	NO3A
MRL	21:32	0.477(1)	0.062	0.053	1.03	0.233
MBLANK	21:45	0.0272	0.0000	0.0000	0.0000	0.0000
LCS	21:59	26.7/25	1.09	2.55	52.9	11.2
LCSD	22:12	26.3/25	1.08	2.51	52.2	11.1
2701090267	22:26	6.838	0.0000	0.0751	0.6510	0.3306
2701090267MS	22:40	20.75	0.4582	1.412	26.10	6.211
2701090267MSD	22:53	20.77	0.4575	1.429	26.09	6.289
2701090268	23:07	7.043	0.0000	0.0750	0.6827	0.3299
2701090260	23:21	6.465	0.0000	0.0840	0.5262	0.3697
2701090269	23:34	7.052	0.0000	0.0803	0.7914	0.3534
2701090270	23:48	7.478	0.0230	0.0715	0.8526	0.3145
2701090271	00:01	7.207	0.0000	0.0828	0.7153	0.3644
2701090261	00:15	6.433	0.0000	0.0825	0.5290	0.3628
2701090262	00:29	6.783	0.0350	0.0653	0.6035	0.2873
2701090272	00:42	7.522	0.0216	0.1022	0.7569	0.4497
2701090263	00:56	6.716	0.0000	0.0766	0.6166	0.3370
MCV	01:10	21.6/20	2.09	2.09	42.9	9.19
CCB	01:23	0.0102	0.0000	0.0000	0.0000	0.0000
2701090400	01:37	27.22	0.0000	4.032	33.14	17.74
2701090400MS	01:51	53.81	1.096	6.591	84.19	29.00
2701090401_1/2	02:04	27.13	0.0000	3.641	31.86	16.02
2701090264	02:18	6.646	0.0000	0.0636	0.6066	0.2800
2701090305_1/2	02:31	63.53	0.0000	3.686	42.48	16.22
2701090306	02:45	60.35	0.0000	3.799	41.28	16.71
2701090307	02:59	50.26	0.2444	5.832	39.90	25.66
2701090308_1/2	03:12	85.01	0.0000	5.632	13.36	24.78
2701090310_1/2	03:26	18.71	0.0000	13.89	23.67	61.11
2701090309_1/2	03:40	102.7	0.0000	2.731	9.664	12.01
2701090330_1/2	03:53	17.90	0.0000	4.958	37.07	21.81
HCV2	04:07	78.8/80	8.28	8.42	159	37.0
HCV1	04:20	52.9/50	5.25	5.32	105	23.4
CCB	04:34	0.0197	0.0000	0.0000	0.0000	0.0000
LOWRL	04:48	0.1376	0.0142	0.0178	0.3186	0.0782
MRL	05:01	0.472(1)	0.054	0.050	1.03	0.221
MBLANK	05:15	0.0000	0.0000	0.0000	0.0000	0.0000
LCS	05:29	27.0/25	1.06	2.57	52.8	11.3
LCSD	05:42	26.1/25	0.993	2.50	52.0	11.0
2701090332	05:56	17.96	0.0000	4.886	37.70	21.50
2701090332MS	06:10	45.05	1.081	7.442	89.27	32.74
2701090332MSD	06:23	45.12	1.084	7.428	89.36	32.68
2701090351_1/2	06:37	24.67	0.0000	6.641	37.49	29.22
2701090354	08:11	105.8	0.0000	0.7707	0.0000	3.391
2701090355	08:24	107.2	0.0000	0.8268	0.0000	3.638
2701090652_1/2	08:38	39.43	0.0000	4.134	190.7	18.19
2701090656_1/2	08:51	39.47	0.0000	3.886	190.5	17.10
2701090654_1/2	09:05	39.58	0.0000	3.884	190.4	17.09
2701090669_1/2	09:19	39.57	0.0000	3.887	189.9	17.10
2701090657_1/2	09:32	39.52	0.0000	3.867	190.5	17.02
2701090670_1/2	09:46	39.34	0.0000	3.710	188.9	16.32
MCV	10:00	21.6/20	2.13	2.10	42.8	9.23

Landscape Summary

File ID: 010907an

Date: 01/09/07

Analyst: j

Sample ID	Time	CL	NO2-N	NO3	SO4	NO3A
CCB	10:13	0.0000 N/A	0.0000 N/A	0.0000 N/A	0.0000 N/A	0.0000 N/A

No.,	Sample Name,	Time, il.Fac.,	Amount,	Amount,	Amount,	Amount,
			CL, ECD 1,	NO2-N, ECD 1,	NO3, ECD 1,	SO4, ECD 1,
1,	autocal1,	01/09/07 09:35,	1.0,	n.a.,	n.a.,	n.a.,
2,	autocal2,	01/09/07 09:49,	1.0,	0.1295344299,	0.015101739,	0.0138915,
3,	autocal3,	01/09/07 10:02,	1.0,	0.2265803554,	0.026479432,	0.0259104,
4,	autocal4,	01/09/07 10:16,	1.0,	0.4388403265,	0.053367272,	0.0503262,
5,	autocal5,	01/09/07 10:30,	1.0,	0.860774349,	0.103194767,	0.1010665,
6,	autocal6,	01/09/07 10:43,	1.0,	1.795037438,	0.203973815,	0.1902566,
7,	autocal7,	01/09/07 10:57,	1.0,	4.53395824,	0.487331599,	0.4751938,
8,	autocal8,	01/09/07 11:10,	1.0,	9.629658965,	0.993315738,	0.9655632,
9,	autocal9,	01/09/07 11:24,	1.0,	25.38419811,	2.486792605,	2.4525811,
10,	autocal10,	01/09/07 11:38,	1.0,	49.93424937,	5.012818733,	5.0498779,
11,	autocal11,	01/09/07 11:51,	1.0,	89.84712537,	9.997963,	9.9915919,
12,	HCV2,	01/09/07 12:05,	1.0,	75.15239686,	7.989825003,	8.0549523,
13,	HCV1,	01/09/07 12:19,	1.0,	51.16164935,	5.10501172,	5.1848008,
14,	MCV,	01/09/07 12:32,	1.0,	20.96112142,	2.045590518,	2.0180989,
15,	CCB,	01/09/07 12:46,	1.0,	n.a.,	n.a.,	n.a.,
16,	LOWRL,	01/09/07 13:00,	1.0,	0.1274219845,	0.013482693,	0.0145349,
17,	MRL,	01/09/07 13:13,	1.0,	0.4720486371,	0.054136668,	0.0496409,
18,	MBLANK,	01/09/07 13:27,	1.0,	n.a.,	n.a.,	n.a.,
19,	LCS,	01/09/07 13:40,	1.0,	26.18974524,	1.100559223,	2.5100958,
20,	LCSD,	01/09/07 13:54,	1.0,	25.82977041,	1.059049553,	2.4658049,
21,	2701080257,	01/09/07 14:08,	2.0,	27.84504921,	n.a.,	5.049602,
22,	2701080257MS,	01/09/07 14:21,	2.0,	53.98122481,	1.0793842,	7.4863413,
23,	2701080257MSD,	01/09/07 14:35,	2.0,	54.26125692,	1.078454764,	7.4961426,
24,	2701080258_1/2,	01/09/07 15:24,	2.0,	27.63327392,	n.a.,	5.0722536,
25,	2701080260_1/2,	01/09/07 15:37,	2.0,	20.59238906,	n.a.,	8.1587137,
26,	2701080261_1/2,	01/09/07 15:51,	2.0,	9.197676215,	n.a.,	2.8362275,
27,	2701080262_1/2,	01/09/07 16:18,	2.0,	26.8734689,	n.a.,	4.9329686,
28,	2701080426_1/10,	01/09/07 16:32,	10.0,	307.9708112,	n.a.,	11.000558,
29,	2701080427,	01/09/07 16:45,	1.0,	54.40084407,	n.a.,	8.4228952,
30,	2701080428,	01/09/07 16:59,	1.0,	60.44641941,	n.a.,	9.1963906,
31,	2701080429_1/10,	01/09/07 17:13,	10.0,	58.09290534,	n.a.,	8.9006658,
32,	2701080430_1/10,	01/09/07 17:26,	10.0,	329.6623977,	1.178076804,	2.869387,
33,	MCV,	01/09/07 17:40,	1.0,	20.92805649,	2.033613667,	2.0107094,
34,	CCB,	01/09/07 17:53,	1.0,	n.a.,	n.a.,	n.a.,
35,	2701080263,	01/09/07 18:07,	2.0,	41.27780745,	n.a.,	3.238045,
36,	2701080263MS,	01/09/07 18:21,	2.0,	67.54324992,	1.060854466,	5.7369904,
37,	2701080431_1/10,	01/09/07 18:34,	10.0,	332.9796706,	1.267239844,	2.7035842,
38,	2701080432_1/10,	01/09/07 18:48,	10.0,	319.6920512,	1.234110009,	10.29973,
39,	2701080433_1/10,	01/09/07 19:02,	10.0,	322.2419255,	1.178079161,	10.170648,
40,	2701080434_1/10,	01/09/07 19:15,	10.0,	321.5064693,	0.951721934,	10.330947,
41,	2701090304_1/50,	01/09/07 19:29,	50.0,	1961.269061,	n.a.,	18.198547,
42,	2701090303_1/50,	01/09/07 19:43,	50.0,	2312.195661,	n.a.,	n.a.,
43,	2701090265,	01/09/07 19:56,	1.0,	6.958167529,	0.029094269,	0.0680896,
44,	2701090258,	01/09/07 20:10,	1.0,	6.443457947,	n.a.,	0.0831876,

45,	2701090266,	01/09/07 20:23,	1.0,	6.806260234,	n.a.,	0.0648275,	0.64430451,
46,	HCV2,	01/09/07 20:37,	1.0,	78.08086391,	8.378464056,	8.4128434,	158.66789,
47,	HCV1,	01/09/07 20:51,	1.0,	52.39645649,	5.223388199,	5.3395827,	105.053588,
48,	CCB,	01/09/07 21:04,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
49,	LOWRL,	01/09/07 21:18,	1.0,	0.1378209298,	0.016383998,	0.014145,	0.24851583,
50,	MRL,	01/09/07 21:32,	1.0,	0.4772565345,	0.061674731,	0.053038,	1.03012839,
51,	MBLANK,	01/09/07 21:45,	1.0,	0.0272454005,	n.a.,	n.a.,	n.a.,
52,	LCS,	01/09/07 21:59,	1.0,	26.65671255,	1.09461622,	2.5502787,	52.8972459,
53,	LCSD,	01/09/07 22:12,	1.0,	26.31611526,	1.077594051,	2.5117476,	52.186203,
54,	2701090267,	01/09/07 22:26,	1.0,	6.838367064,	n.a.,	0.0751319,	0.65102156,
55,	2701090267MS,	01/09/07 22:40,	1.0,	20.75290581,	0.458173102,	1.4116029,	26.0967844,
56,	2701090267MSD,	01/09/07 22:53,	1.0,	20.76557872,	0.457481037,	1.4292552,	26.0857417,
57,	2701090268,	01/09/07 23:07,	1.0,	7.043173066,	n.a.,	0.0749681,	0.68273739,
58,	2701090260,	01/09/07 23:21,	1.0,	6.465453845,	n.a.,	0.0840251,	0.52617808,
59,	2701090269,	01/09/07 23:34,	1.0,	7.051896716,	n.a.,	0.0803263,	0.79144537,
60,	2701090270,	01/09/07 23:48,	1.0,	7.4779511,	0.022983404,	0.07147,	0.85262697,
61,	2701090271,	01/10/07 00:01,	1.0,	7.206827388,	n.a.,	0.0828254,	0.71525436,
62,	2701090261,	01/10/07 00:15,	1.0,	6.432814766,	n.a.,	0.0824633,	0.52903726,
63,	2701090262,	01/10/07 00:29,	1.0,	6.782719869,	0.034954374,	0.0652903,	0.60351509,
64,	2701090272,	01/10/07 00:42,	1.0,	7.521938462,	0.021589154,	0.102209,	0.756949,
65,	2701090263,	01/10/07 00:56,	1.0,	6.716467075,	n.a.,	0.0766008,	0.61655533,
66,	MCV,	01/10/07 01:10,	1.0,	21.62618223,	2.085422499,	2.0876533,	42.8879399,
67,	CCB,	01/10/07 01:23,	1.0,	0.01020897235,	n.a.,	n.a.,	n.a.,
68,	2701090400,	01/10/07 01:37,	2.0,	27.21794341,	n.a.,	4.0321125,	33.1387642,
69,	2701090400MS,	01/10/07 01:51,	2.0,	53.81030378,	1.09634978,	6.5909394,	84.1859095,
70,	2701090401_1/2,	01/10/07 02:04,	2.0,	27.12826345,	n.a.,	3.6409552,	31.8599856,
71,	2701090264,	01/10/07 02:18,	1.0,	6.646406556,	n.a.,	0.0636471,	0.60664963,
72,	2701090305_1/2,	01/10/07 02:31,	2.0,	63.53244677,	n.a.,	3.6858761,	42.4806715,
73,	2701090306,	01/10/07 02:45,	1.0,	60.35136232,	n.a.,	3.7987821,	41.2835066,
74,	2701090307,	01/10/07 02:59,	1.0,	50.25712471,	0.244392671,	5.8319282,	39.8954692,
75,	2701090308_1/2,	01/10/07 03:12,	2.0,	85.00557346,	n.a.,	5.6318653,	13.3617504,
76,	2701090310_1/2,	01/10/07 03:26,	2.0,	18.70681656,	n.a.,	13.88858,	23.670229,
77,	2701090309_1/2,	01/10/07 03:40,	2.0,	102.7168705,	n.a.,	2.7305686,	9.66354701,
78,	2701090330_1/2,	01/10/07 03:53,	2.0,	17.89795918,	n.a.,	4.9576643,	37.0715945,
79,	HCV2,	01/10/07 04:07,	1.0,	78.77758893,	8.28176349,	8.4192053,	159.362515,
80,	HCV1,	01/10/07 04:20,	1.0,	52.86715387,	5.252904652,	5.3199607,	105.426253,
81,	CCB,	01/10/07 04:34,	1.0,	0.01972296484,	n.a.,	n.a.,	n.a.,
82,	LOWRL,	01/10/07 04:48,	1.0,	0.1376411737,	0.014219252,	0.0177823,	0.31862352,
83,	MRL,	01/10/07 05:01,	1.0,	0.4722928251,	0.053902708,	0.0502382,	1.03166521,
84,	MBLANK,	01/10/07 05:15,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
85,	LCS,	01/10/07 05:29,	1.0,	26.9967917,	1.06198145,	2.5705271,	52.7915958,
86,	LCSD,	01/10/07 05:42,	1.0,	26.06138845,	0.993456456,	2.5010907,	51.9529316,
87,	2701090332,	01/10/07 05:56,	2.0,	17.95767873,	n.a.,	4.8863395,	37.6996297,
88,	2701090332MS,	01/10/07 06:10,	2.0,	45.04703138,	1.08120528,	7.4418022,	89.269012,
89,	2701090332MSD,	01/10/07 06:23,	2.0,	45.1155704,	1.084018149,	7.4276214,	89.3580355,
90,	2701090351_1/2,	01/10/07 06:37,	2.0,	24.66764822,	n.a.,	6.641169,	37.4925046,
91,	2701090354,	01/10/07 08:11,	1.0,	105.8366783,	n.a.,	0.7707044,	n.a.,
92,	2701090355,	01/10/07 08:24,	1.0,	107.200072,	n.a.,	0.8267958,	n.a.,

93,	2701090652_1/2,	01/10/07 08:38,	2.0,	39.43442151,	n.a.,	4.1344656,	190.738493,
94,	2701090656_1/2,	01/10/07 08:51,	2.0,	39.47008815,	n.a.,	3.8862243,	190.51329,
95,	2701090654_1/2,	01/10/07 09:05,	2.0,	39.58065821,	n.a.,	3.8838767,	190.44919,
96,	2701090669_1/2,	01/10/07 09:19,	2.0,	39.56777463,	n.a.,	3.8866091,	189.85606,
97,	2701090657_1/2,	01/10/07 09:32,	2.0,	39.51721299,	n.a.,	3.8670727,	190.502301,
98,	2701090670_1/2,	01/10/07 09:46,	2.0,	39.33770261,	n.a.,	3.7095098,	188.90983,
99,	MCV,	01/10/07 10:00,	1.0,	21.57566863,	2.126910882,	2.0985096,	42.8291383,
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Title: Anion by EPA 300.0

Datasource: IC-SERVER-3_local

Location: 2007Jan

Timebase: IC3

#Samples: 100

Created: 1/9/2007 8:48:19 AM by jkz

Last Update: 1/10/2007 10:24:23 AM by jkz

No.	Name	Sample ID	Dil. Factor	Type	Program	Method
1	autocal1		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
2	autocal2		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
3	autocal3		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
4	autocal4		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
5	autocal5		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
6	autocal6		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
7	autocal7		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
8	autocal8		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
9	autocal9		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
10	autocal10		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
11	autocal11		1.0000	Standard	IC#3-ANION TTL2	ANION-IC#3
12	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
13	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
14	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
15	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
16	LOWRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
17	MRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
18	MBLANK		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
19	LCS		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
20	LCSD		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
21	2701080257	RIV-UNIV HGTS_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
22	2701080257MS	RIV-UNIV HGTS_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
23	2701080257MSD	RIV-UNIV HGTS_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
24	2701080258_1/2	RIV-SUGARLOAF	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
25	2701080260_1/2	RIV-GAGE 29-3	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
26	2701080261_1/2	RIV-GAGE 92-1	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
27	2701080262_1/2	RIV-4351 HOUGHTON	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
28	2701080426_1/10	CH2M-INFLOW 1	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
29	2701080427	CH2M-RO-P-1	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
30	2701080428	CH2M-RO-P-2	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
31	2701080429_1/10	CH2M-RO-P-3	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
32	2701080430_1/10	CH2M-WETLAND-1	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
33	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
34	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
35	2701080263	STETSON-DELTA EFF_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
36	2701080263MS	STETSON-DELTA EFF_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
37	2701080431_1/10	CH2M-WETLAND-2	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
38	2701080432_1/10	CH2M-KATCHALL 1	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
39	2701080433_1/10	CH2M-KATCHALL 2	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
40	2701080434_1/10	CH2M-KATCHALL 3	10.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
41	2701090304_1/50	KERR-INFLUENT	50.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
42	2701090303_1/50	KERR-EFFLUENT	50.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3

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Title: Anion by EPA 300.0

Datasource: IC-SERVER-3_local

Location: 2007UJan

Timebase: IC3

#Samples: 100

Created: 1/9/2007 8:48:19 AM by jkz

Last Update: 1/10/2007 10:24:23 AM by jkz

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2	autocal2	Finished	JKZ070109-1	1/9/2007 9:49:13 AM	jkz	JKZ
3	autocal3	Finished	JKZ070109-2	1/9/2007 10:02:51 AM	jkz	JKZ
4	autocal4	Finished	JKZ070109-3	1/9/2007 10:16:29 AM	jkz	JKZ
5	autocal5	Finished	JKZ070109-4	1/9/2007 10:30:06 AM	jkz	JKZ
6	autocal6	Finished	JKZ070109-5	1/9/2007 10:43:44 AM	jkz	JKZ
7	autocal7	Finished	JKZ070109-6	1/9/2007 10:57:21 AM	jkz	JKZ
8	autocal8	Finished	JKZ070109-7	1/9/2007 11:10:59 AM	jkz	JKZ
9	autocal9	Finished	JKZ070109-8	1/9/2007 11:24:38 AM	jkz	JKZ
10	autocal10	Finished	JKZ070109-9	1/9/2007 11:38:17 AM	jkz	JKZ
11	autocal11	Finished	JKZ070109-10	1/9/2007 11:51:55 AM	jkz	JKZ
12	HCV2	Finished		1/9/2007 12:05:33 PM	jkz	JKZ
13	HCV1	Finished		1/9/2007 12:19:11 PM	jkz	JKZ
14	MCV	Finished		1/9/2007 12:32:48 PM	jkz	JKZ
15	CCB	Finished		1/9/2007 12:46:26 PM	jkz	JKZ
16	LOWRL	Finished		1/9/2007 1:00:06 PM	jkz	JKZ
17	MRL	Finished		1/9/2007 1:13:45 PM	jkz	JKZ
18	MBLANK	Finished		1/9/2007 1:27:22 PM	jkz	JKZ
19	LCS	Finished		1/9/2007 1:40:58 PM	jkz	JKZ
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25	2701080260_1/2	Finished		1/9/2007 3:37:39 PM	jkz	JKZ
26	2701080261_1/2	Finished		1/9/2007 3:51:16 PM	jkz	JKZ
27	2701080262_1/2	Finished		1/9/2007 4:18:34 PM	jkz	JKZ
28	2701080426_1/10	Finished		1/9/2007 4:32:12 PM	jkz	JKZ
29	2701080427	Finished		1/9/2007 4:45:49 PM	jkz	JKZ
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37	2701080431_1/10	Finished		1/9/2007 6:34:52 PM	jkz	JKZ
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Title: Anion by EPA 300.0

Datasource: IC-SERVER-3_local

Location: 2007Jan

Timebase: IC3

#Samples: 100

Created: 1/9/2007 8:48:19 AM by jkz
Last Update: 1/10/2007 10:24:23 AM by jkz

No.	Name	Sample ID	Dil. Factor	Type	Program	Method
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44	2701090258	MAUI-U KULA	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
45	2701090266	MAUI-POLIPOLI	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
46	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
47	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
48	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
49	LOWRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
50	MRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
51	MBLANK		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
52	LCS		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
53	LCSD		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
54	2701090267	MAUI-KAMAOLE INLET	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
55	2701090267MS	MAUI-KAMAOLE INLET	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
56	2701090267MSD	MAUI-KAMAOLE INLET	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
57	2701090268	MAUI-KAMAOLE TANK	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
58	2701090260	MAUI-OLINDA	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
59	2701090269	MAUI-KAMAOLE OUTLET	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
60	2701090270	MAUI-THOMPSON	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
61	2701090271	MAUI-ULUPALAKUA	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
62	2701090261	MAUI-OMAOPIO INLET	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
63	2701090262	MAUI-OMAOPIO OUTLET	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
64	2701090272	MAUI-KANAIO TANK	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
65	2701090263	MAUI-U KIMO	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
66	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
67	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
68	2701090400	MONR-WELLS BL_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
69	2701090400MS	MONR-WELLS BL_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
70	2701090401_1/2	MONR-CITY HALL	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
71	2701090264	MAUI-MECO	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
72	2701090305_1/2	CHINO-RES # 3	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
73	2701090306	CHINO-RES # 4	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
74	2701090307	CHINO-RES # 5	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
75	2701090308_1/2	CHINO-RES # 7	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
76	2701090310_1/2	CHINO-WELL 13	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
77	2701090309_1/2	CHINO-DESALTER	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
78	2701090330_1/2	SPAS-GARFIELD	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
79	HCV2		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
80	HCV1		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
81	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
82	LOWRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
83	MRL		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
84	MBLANK		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3

Sequence: 010907AN
Operator: jkz

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Printed: 1/10/2007 11:42:41 AM

Title: Anion by EPA 300.0

Datasource: IC-SERVER-3_local
Location: 2007Jan
Timebase: IC3
#Samples: 100

Created: 1/9/2007 8:48:19 AM by jkz
Last Update: 1/10/2007 10:24:23 AM by jkz

No.	Name	Status	Comment	Inj. Date/Time	*Analyst	*Operator
43	2701090265	Finished		1/9/2007 7:56:38 PM	jkz	JKZ
44	2701090258	Finished		1/9/2007 8:10:16 PM	jkz	JKZ
45	2701090266	Finished		1/9/2007 8:23:53 PM	jkz	JKZ
46	HCV2	Finished		1/9/2007 8:37:31 PM	jkz	JKZ
47	HCV1	Finished		1/9/2007 8:51:09 PM	jkz	JKZ
48	CCB	Finished		1/9/2007 9:04:47 PM	jkz	JKZ
49	LOWRL	Finished		1/9/2007 9:18:25 PM	jkz	JKZ
50	MRL	Finished		1/9/2007 9:32:03 PM	jkz	JKZ
51	MBLANK	Finished		1/9/2007 9:45:41 PM	jkz	JKZ
52	LCS	Finished		1/9/2007 9:59:19 PM	jkz	JKZ
53	LCSD	Finished		1/9/2007 10:12:58 PM	jkz	JKZ
54	2701090267	Finished		1/9/2007 10:26:35 PM	jkz	JKZ
55	2701090267MS	Finished		1/9/2007 10:40:13 PM	jkz	JKZ
56	2701090267MSD	Finished		1/9/2007 10:53:51 PM	jkz	JKZ
57	2701090268	Finished		1/9/2007 11:07:29 PM	jkz	JKZ
58	2701090260	Finished		1/9/2007 11:21:06 PM	jkz	JKZ
59	2701090269	Finished		1/9/2007 11:34:44 PM	jkz	JKZ
60	2701090270	Finished		1/9/2007 11:48:21 PM	jkz	JKZ
61	2701090271	Finished		1/10/2007 12:01:59 AM	jkz	JKZ
62	2701090261	Finished		1/10/2007 12:15:37 AM	jkz	JKZ
63	2701090262	Finished		1/10/2007 12:29:14 AM	jkz	JKZ
64	2701090272	Finished		1/10/2007 12:42:52 AM	jkz	JKZ
65	2701090263	Finished		1/10/2007 12:56:29 AM	jkz	JKZ
66	MCV	Finished		1/10/2007 1:10:07 AM	jkz	JKZ
67	CCB	Finished		1/10/2007 1:23:45 AM	jkz	JKZ
68	2701090400	Finished		1/10/2007 1:37:23 AM	jkz	JKZ
69	2701090400MS	Finished		1/10/2007 1:51:01 AM	jkz	JKZ
70	2701090401_1/2	Finished		1/10/2007 2:04:39 AM	jkz	JKZ
71	2701090264	Finished		1/10/2007 2:18:16 AM	jkz	JKZ
72	2701090305_1/2	Finished		1/10/2007 2:31:53 AM	jkz	JKZ
73	2701090306	Finished		1/10/2007 2:45:31 AM	jkz	JKZ
74	2701090307	Finished		1/10/2007 2:59:09 AM	jkz	JKZ
75	2701090308_1/2	Finished		1/10/2007 3:12:47 AM	jkz	JKZ
76	2701090310_1/2	Finished		1/10/2007 3:26:25 AM	jkz	JKZ
77	2701090309_1/2	Finished		1/10/2007 3:40:03 AM	jkz	JKZ
78	2701090330_1/2	Finished		1/10/2007 3:53:40 AM	jkz	JKZ
79	HCV2	Finished		1/10/2007 4:07:18 AM	jkz	JKZ
80	HCV1	Finished		1/10/2007 4:20:56 AM	jkz	JKZ
81	CCB	Finished		1/10/2007 4:34:34 AM	jkz	JKZ
82	LOWRL	Finished		1/10/2007 4:48:12 AM	jkz	JKZ
83	MRL	Finished		1/10/2007 5:01:50 AM	jkz	JKZ
84	MBLANK	Finished		1/10/2007 5:15:28 AM	jkz	JKZ

Sequence: 010907AN
Operator: jkz

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Printed: 1/10/2007 11:42:41 AM

Title: Anion by EPA 300.0

Datasource: IC-SERVER-3_local

Location: 2007Uan

Timebase: IC3

#Samples: 100

Created: 1/9/2007 8:48:19 AM by jkz
Last Update: 1/10/2007 10:24:23 AM by jkz

No.	Name	Sample ID	Dil. Factor	Type	Program	Method
85	LCS		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
86	LCSD		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
87	2701090332	SPAS-WILSON_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
88	2701090332MS	SPAS-WILSON_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
89	2701090332MSD	SPAS-WILSON_1/2	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
90	2701090351_1/2	LAPUENTE-SP 1	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
91	2701090354	LAPUENTE-SP 4	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
92	2701090355	LAPUENTE-SP 6	1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
93	2701090652_1/2	MONTPK-006	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
94	2701090656_1/2	MONTPK-027	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
95	2701090654_1/2	MONTPK-028	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
96	2701090669_1/2	MONTPK-029	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
97	2701090657_1/2	MONTPK-030	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
98	2701090670_1/2	MONTPK-032	2.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
99	MCV		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3
100	CCB		1.0000	Unknown	IC#3-ANION TTL2	ANION-IC#3

Sequence: 010907AN
Operator: jkz

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Printed: 1/10/2007 11:42:41 AM

Title: Anion by EPA 300.0

Datasource: IC-SERVER-3_local

Location: 2007Uan

Timebase: IC3

#Samples: 100

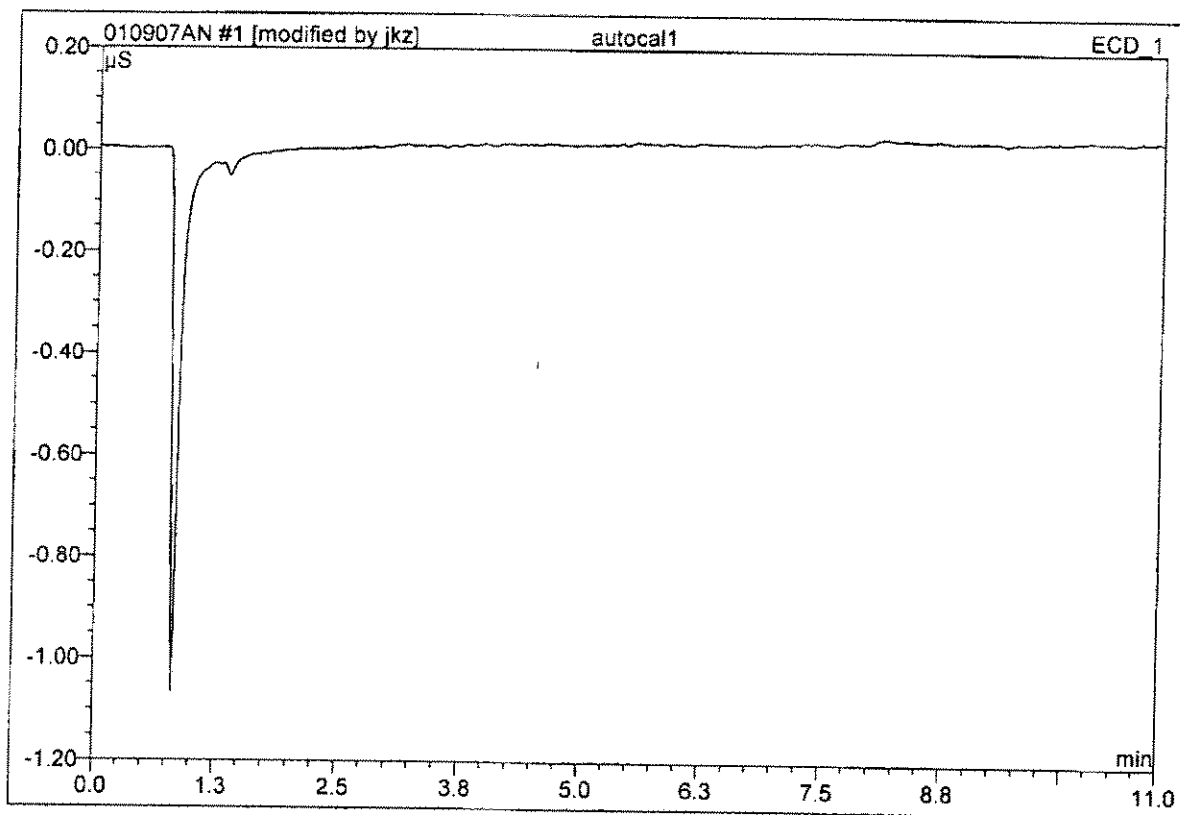
Created: 1/9/2007 8:48:19 AM by jkz

Last Update: 1/10/2007 10:24:23 AM by jkz

No.	Name	Status	Comment	Inj. Date/Time	*Analyst	*Operator
85	LCS	Finished		1/10/2007 5:29:06 AM	jkz	JKZ
86	LCSD	Finished		1/10/2007 5:42:44 AM	jkz	JKZ
87	2701090332	Finished		1/10/2007 5:56:22 AM	jkz	JKZ
88	2701090332MS	Finished		1/10/2007 6:10:00 AM	jkz	JKZ
89	2701090332MSD	Finished		1/10/2007 6:23:37 AM	jkz	JKZ
90	2701090351_1/2	Finished		1/10/2007 6:37:15 AM	jkz	JKZ
91	2701090354	Finished		1/10/2007 8:11:06 AM	jkz	JKZ
92	2701090355	Finished		1/10/2007 8:24:43 AM	jkz	JKZ
93	2701090652_1/2	Finished		1/10/2007 8:38:21 AM	jkz	JKZ
94	2701090656_1/2	Finished		1/10/2007 8:51:59 AM	jkz	JKZ
95	2701090654_1/2	Finished		1/10/2007 9:05:37 AM	jkz	JKZ
96	2701090669_1/2	Finished		1/10/2007 9:19:14 AM	jkz	JKZ
97	2701090657_1/2	Finished		1/10/2007 9:32:53 AM	jkz	JKZ
98	2701090670_1/2	Finished		1/10/2007 9:46:31 AM	jkz	JKZ
99	MCV	Finished		1/10/2007 10:00:08 AM	jkz	JKZ
100	CCB	Finished		1/10/2007 10:13:46 AM	jkz	JKZ

1 autocal1

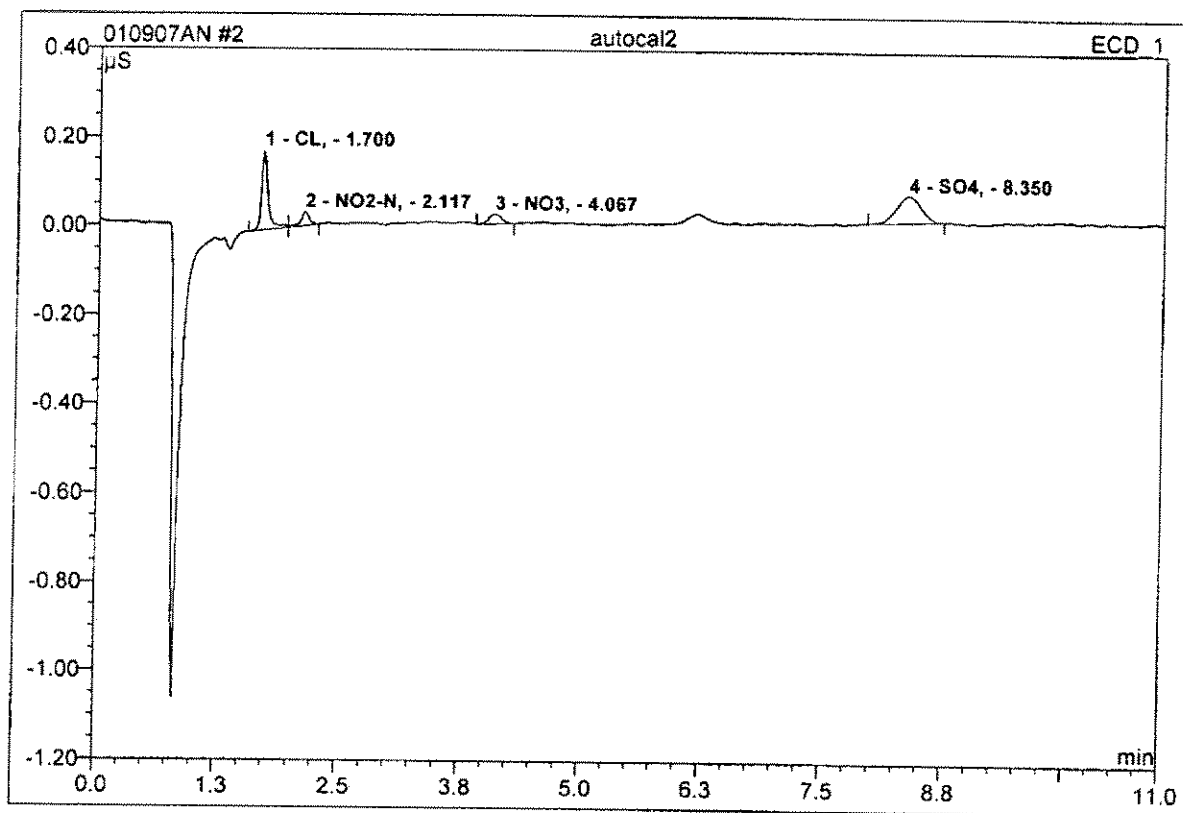
Sample Name:	autocal1	Injection Volume:	1000.0
Vial Number:	5	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 9:35	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	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	

2 autocal2**JKZ070109-1**

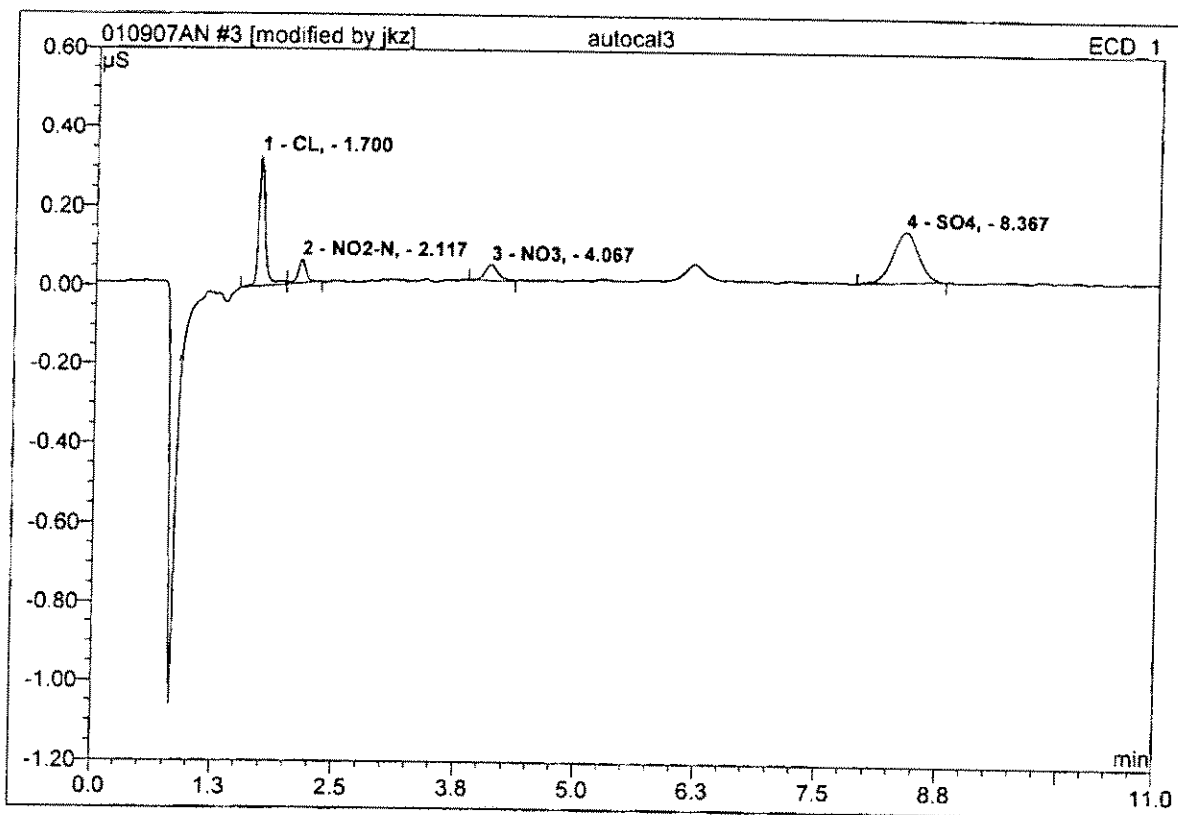
Sample Name:	autocal2	Injection Volume:	1000.0
Vial Number:	4	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 9:49	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.70	CL,	0.180	0.014	36.70	0.130	BM
2	2.12	NO2-N,	0.032	0.003	8.27	0.015	MB
3	4.07	NO3,	0.022	0.003	8.70	0.014	BMB
4	8.35	SO4,	0.060	0.018	46.33	0.247	BMB
Total:			0.295	0.039	100.00	0.405	

3 autocal3**JKZ070109-2**

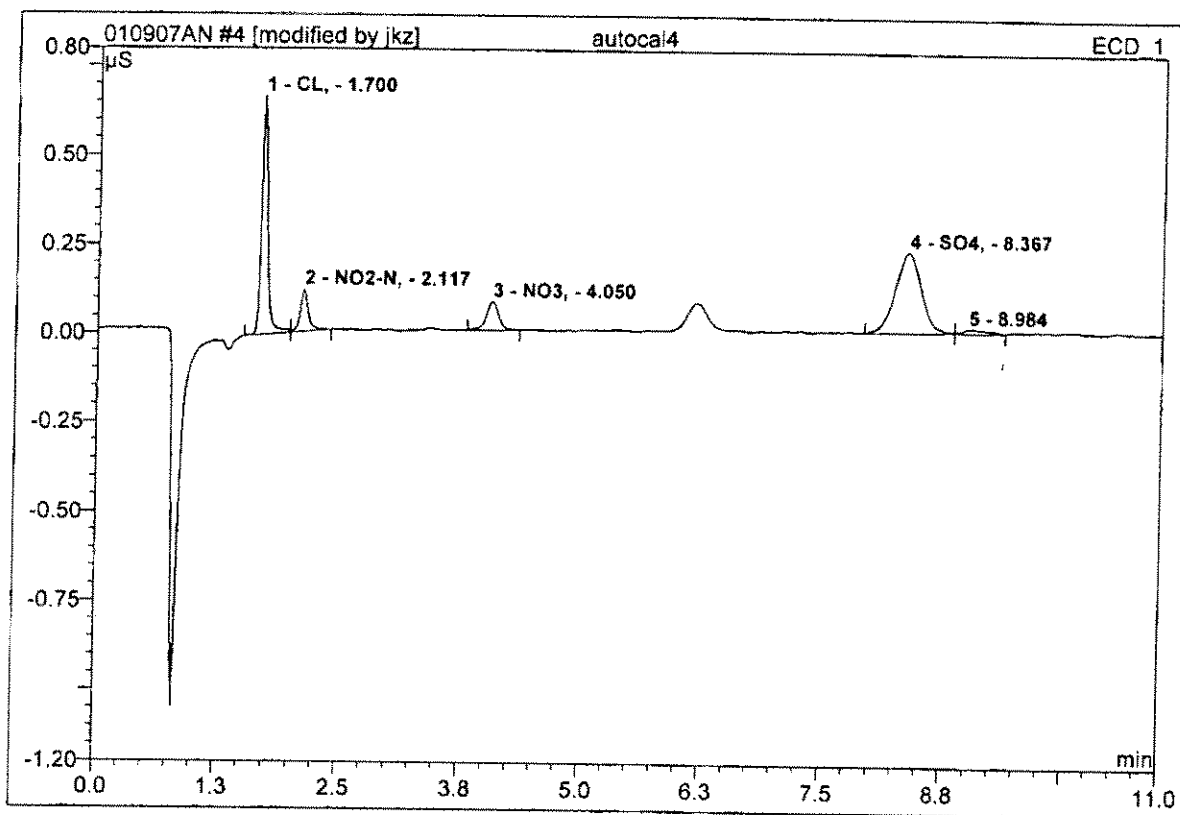
Sample Name:	autocal3	Injection Volume:	1000.0
Vial Number:	2	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 10:02	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.70	CL,	0.330	0.025	32.11	0.227	BM *
2	2.12	NO2-N,	0.059	0.006	7.25	0.026	MB*
3	4.07	NO3,	0.040	0.006	8.11	0.026	BMB
4	8.37	SO4,	0.130	0.041	52.52	0.560	BMB
Total:			0.558	0.077	100.00	0.839	

4 autocal4**JKZ070109-3**

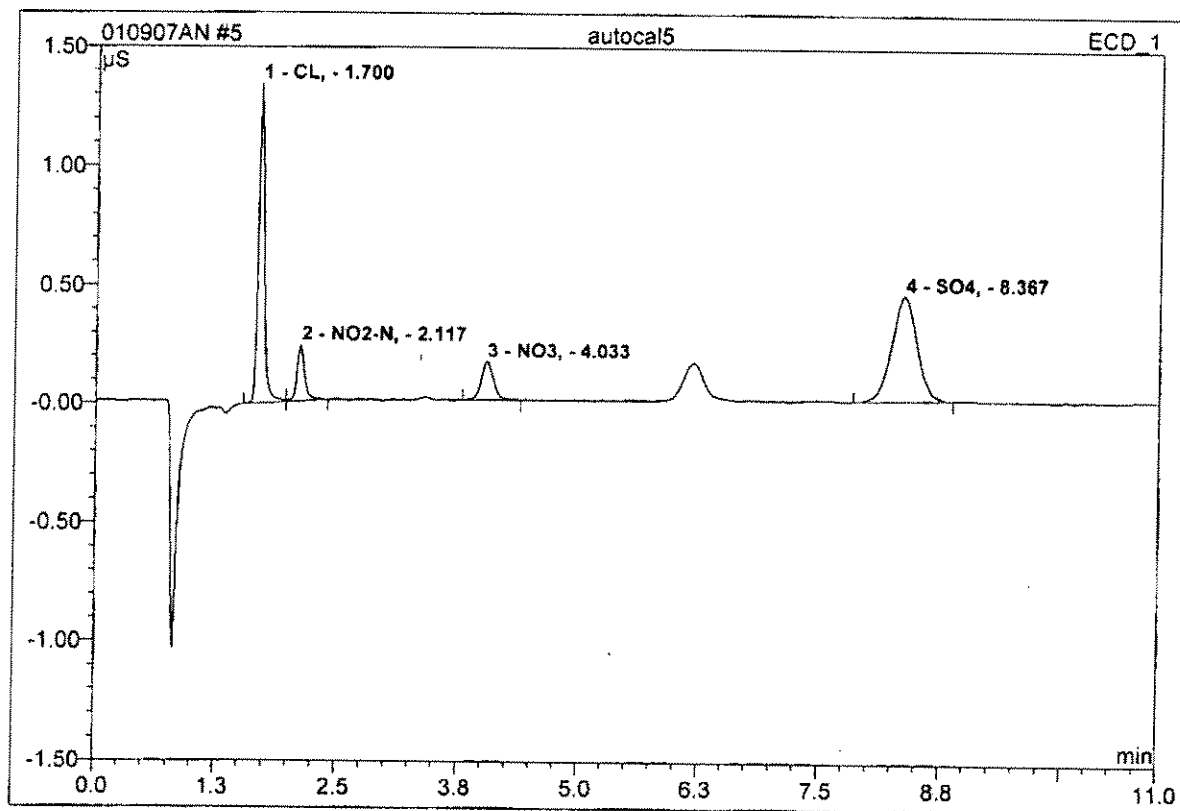
Sample Name:	autocal4	Injection Volume:	1000.0
Vial Number:	3	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 10:16	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.70	CL,	0.669	0.048	32.87	0.439	BM *
2	2.12	NO2-N,	0.120	0.011	7.72	0.053	MB*
3	4.05	NO3,	0.081	0.012	8.32	0.050	BMB
4	8.37	SO4,	0.228	0.071	48.36	0.975	BM
5	8.98	n.a.	0.013	0.004	2.73	n.a.	MB
Total:			1.112	0.146	100.00	1.517	

5 autocal5**JKZ070109-4**

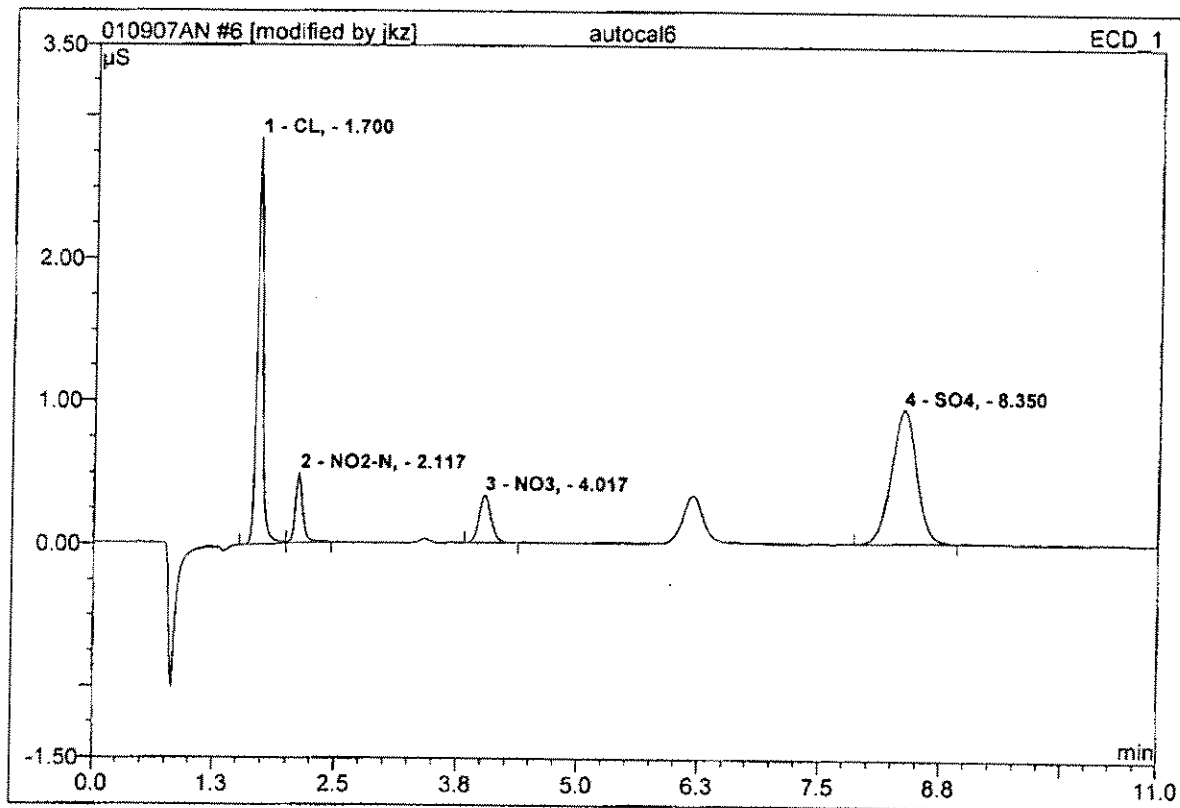
Sample Name:	autocal5	Injection Volume:	1000.0
Vial Number:	4	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 10:30	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.70	CL,	1.342	0.094	34.07	0.861	BM
2	2.12	NO ₂ -N,	0.240	0.022	7.88	0.103	MB
3	4.03	NO ₃ ,	0.165	0.024	8.82	0.101	BMB
4	8.37	SO ₄ ,	0.447	0.136	49.24	1.879	BMB
Total:			2.194	0.277	100.00	2.944	

6 autocal6**JKZ070109-5**

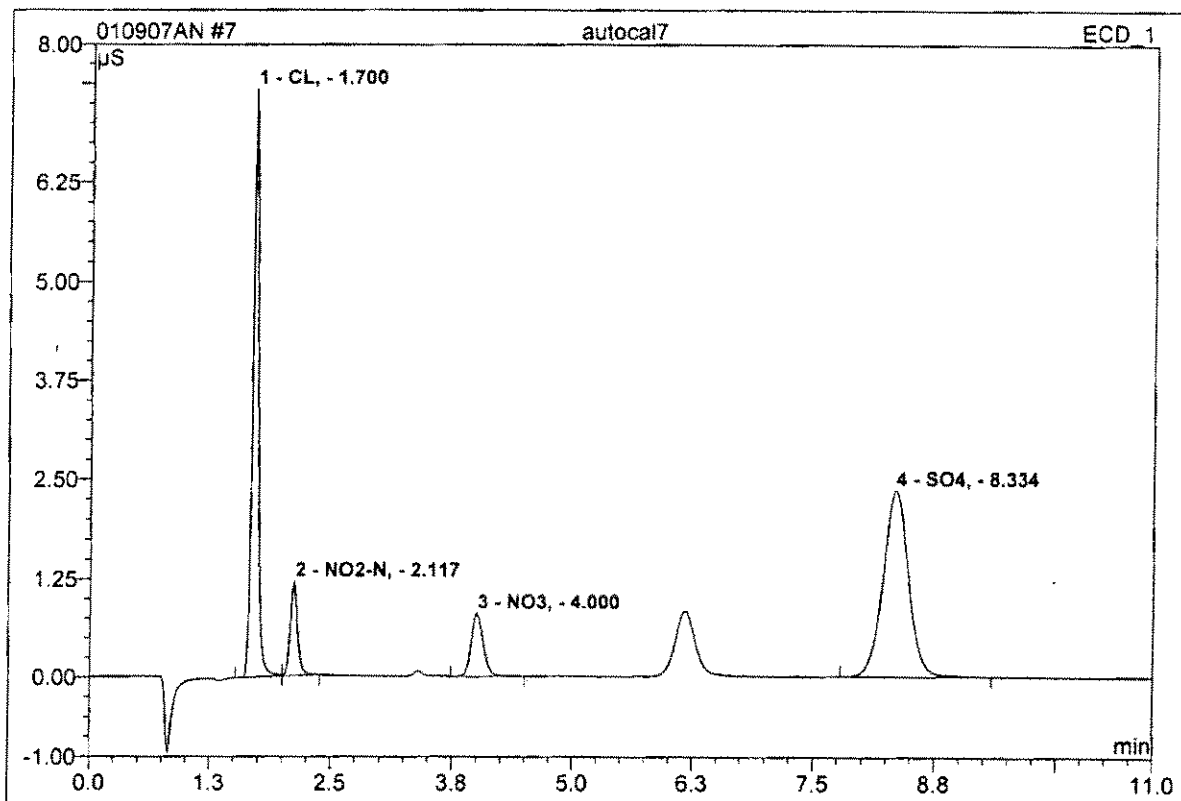
Sample Name:	autocal6	Injection Volume:	1000.0
Vial Number:	5	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 10:43	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.70	CL,	2.850	0.198	34.69	1.795	BM *
2	2.12	NO2-N,	0.489	0.043	7.59	0.204	MB*
3	4.02	NO3,	0.331	0.046	8.07	0.190	BMB
4	8.35	SO4,	0.935	0.283	49.65	3.880	BMB
Total:			4.604	0.570	100.00	6.070	

7 autocal7**JKZ070109-6**

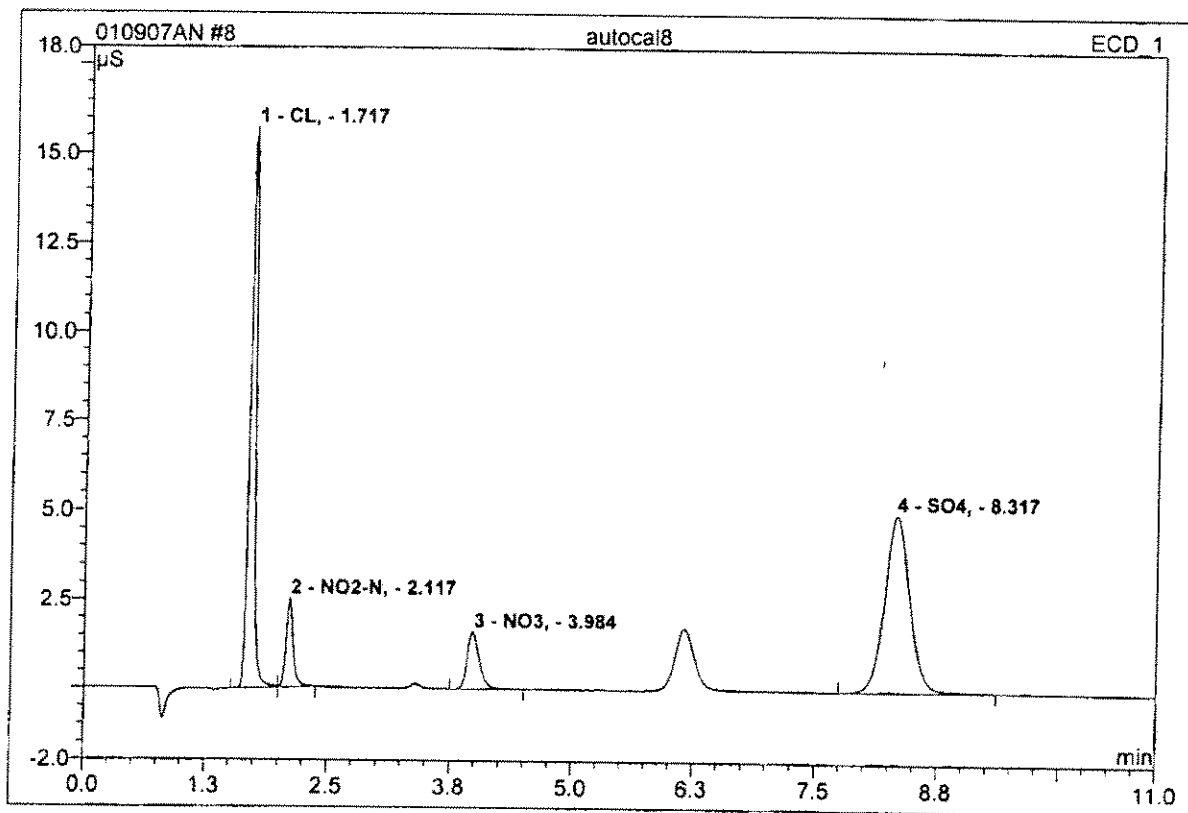
Sample Name:	autocal7	Injection Volume:	1000.0
Vial Number:	6	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 10:57	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.70	CL,	7.431	0.506	35.10	4.534	BM
2	2.12	NO2-N,	1.207	0.104	7.20	0.487	MB
3	4.00	NO3,	0.810	0.115	8.00	0.475	BMB
4	8.33	SO4,	2.359	0.717	49.70	9.700	BMB
Total:			11.807	1.442	100.00	15.196	

8 autocal8**JKZ070109-7**

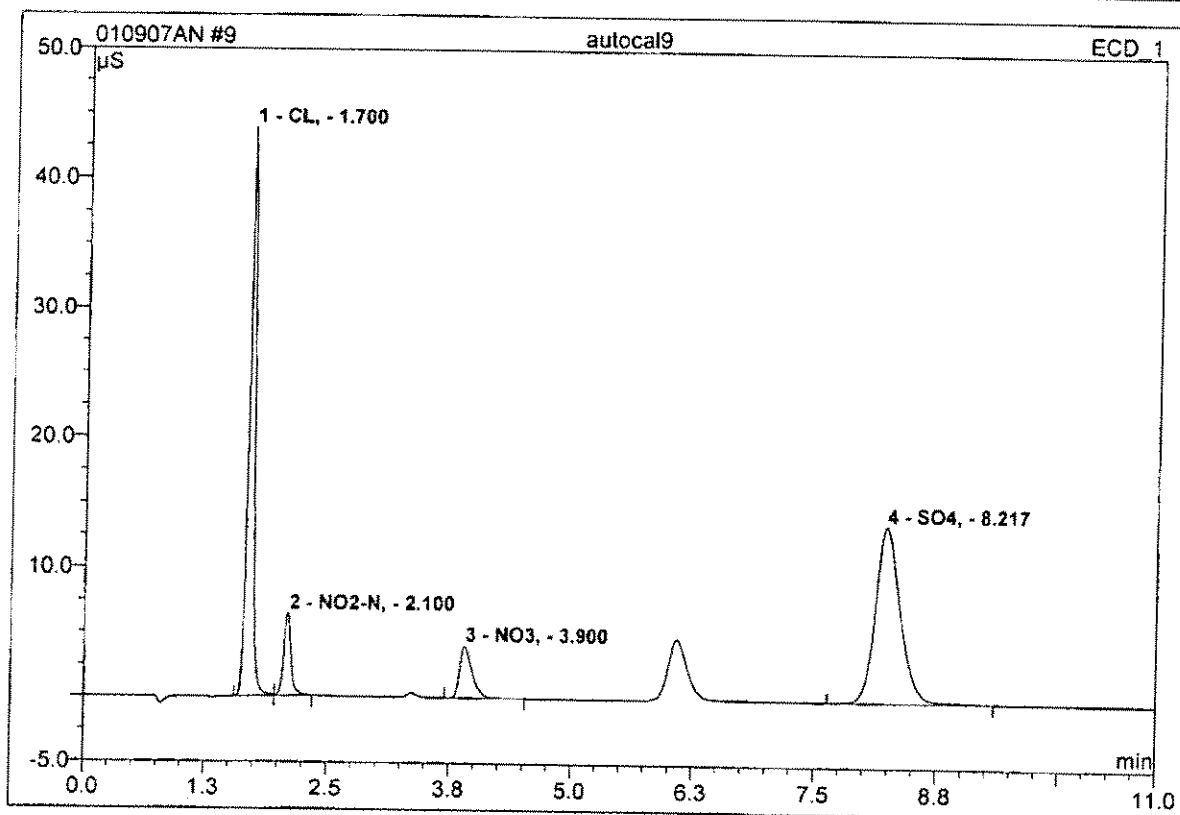
Sample Name:	autocal8	Injection Volume:	1000.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 11:10	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.72	CL,	15.730	1.102	36.18	9.630	BM
2	2.12	NO2-N,	2.515	0.214	7.01	0.993	MB
3	3.98	NO3,	1.621	0.236	7.74	0.966	BMB
4	8.32	SO4,	4.978	1.495	49.07	19.790	BMB
Total:			24.844	3.047	100.00	31.379	

9 autocal9**JKZ070109-8**

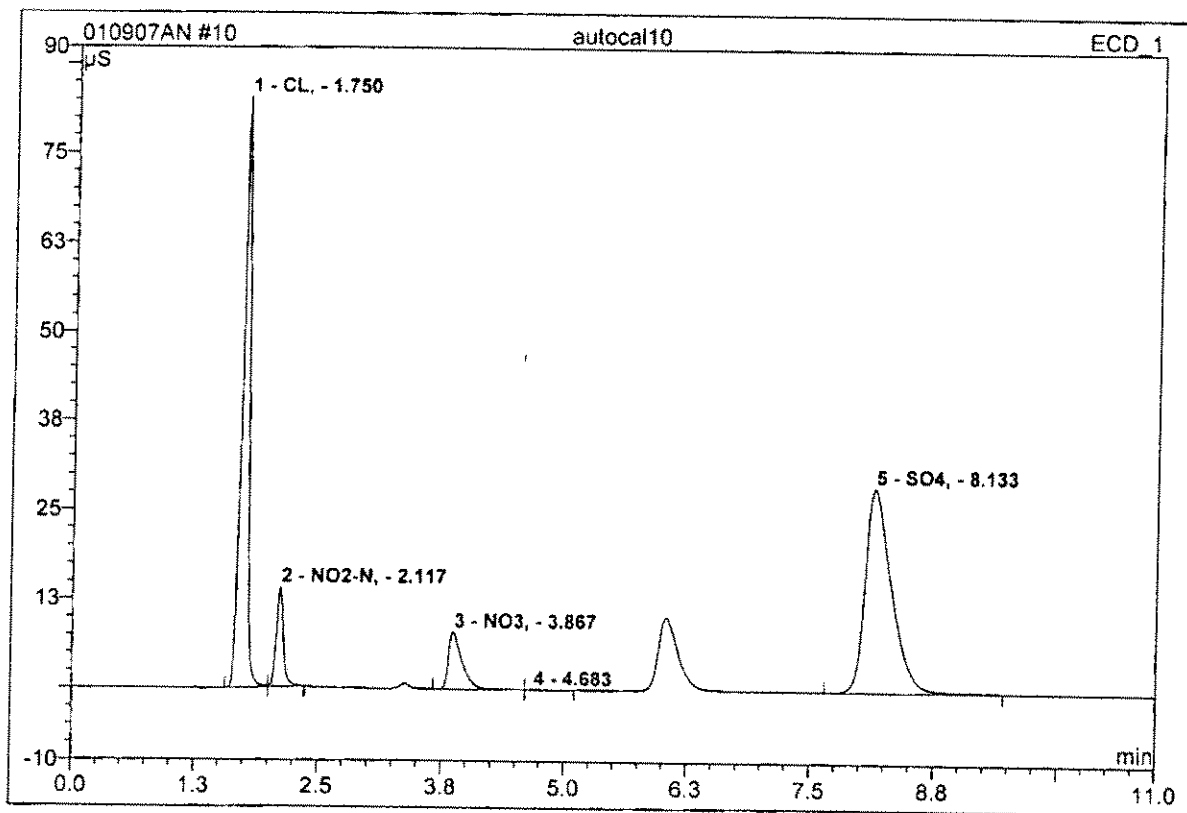
Sample Name:	autocal9	Injection Volume:	1000.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 11:24	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.70	CL,	43.872	3.126	37.51	25.384	BM
2	2.10	NO2-N,	6.391	0.550	6.60	2.487	MB
3	3.90	NO3,	4.058	0.609	7.31	2.453	BMB
4	8.22	SO4,	13.637	4.048	48.58	50.234	BMB
Total:			67.958	8.333	100.00	80.557	

10 autocal10**JKZ070109-9**

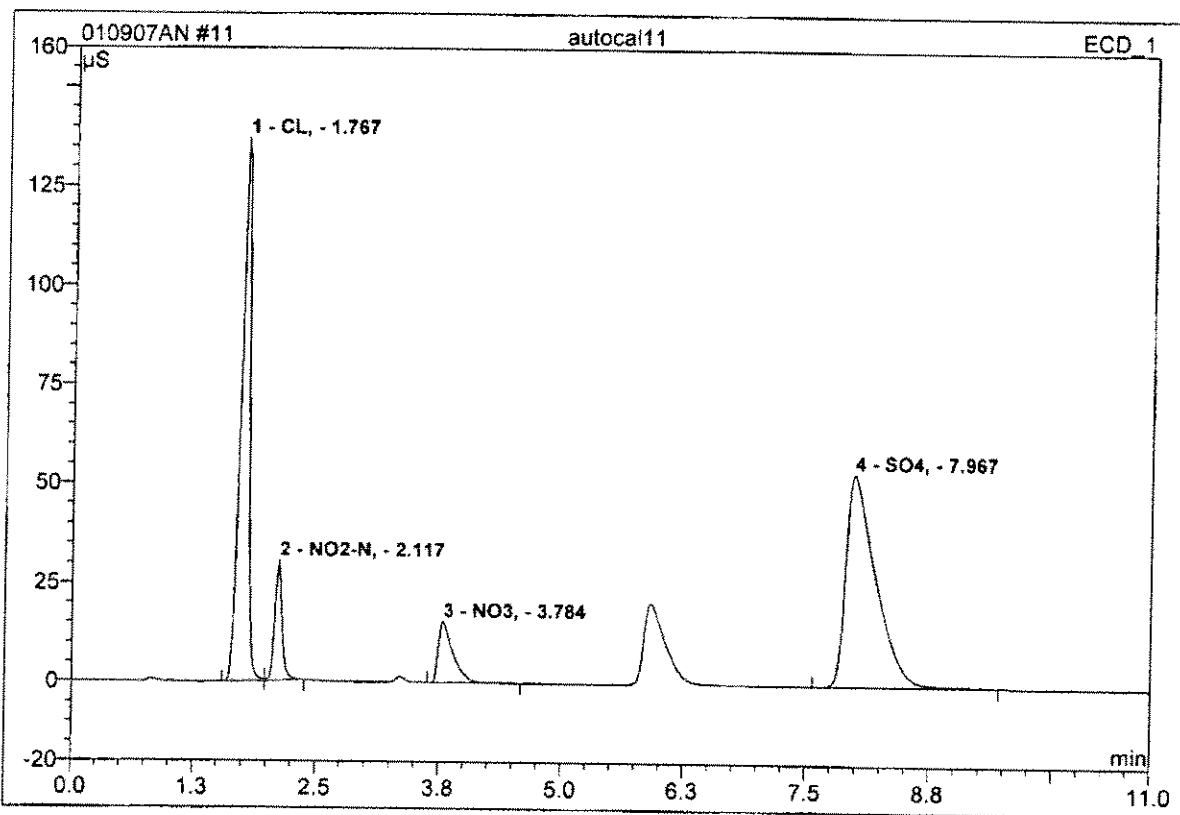
Sample Name:	autocal10	Injection Volume:	1000.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 11:38	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



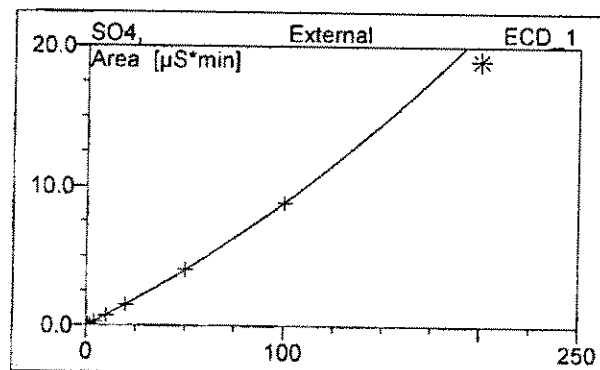
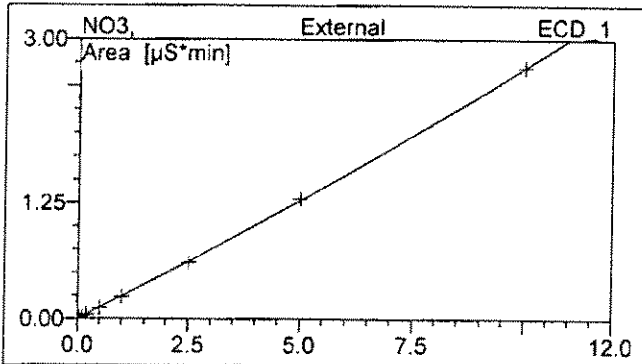
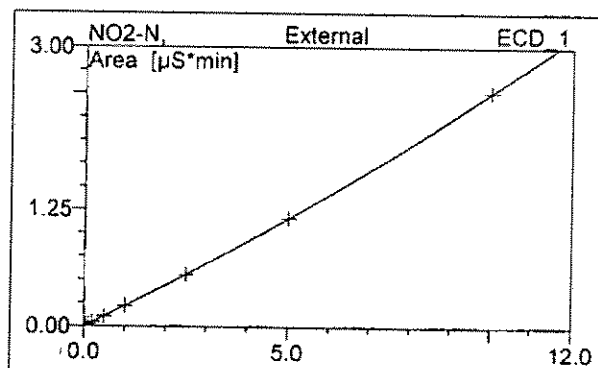
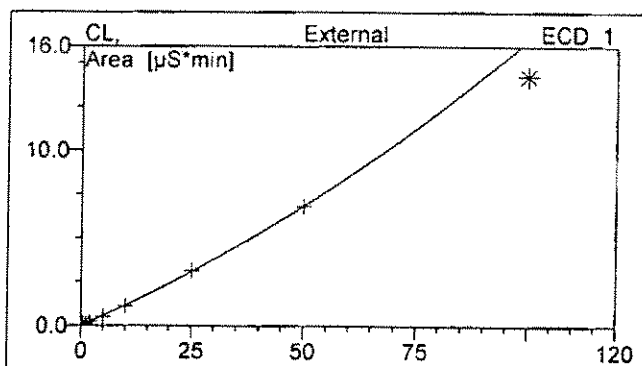
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.75	CL,	82.785	6.824	37.59	49.934	BM
2	2.12	NO2-N,	14.051	1.159	6.38	5.013	MB
3	3.87	NO3,	7.989	1.292	7.11	5.050	BM
4	4.68	n.a.	0.027	0.007	0.04	n.a.	MB
5	8.13	SO4,	28.652	8.875	48.88	99.959	BMB
Total:			133.505	18.157	100.00	159.956	

11 autocal11**JKZ070109-10**

Sample Name:	autocal11	Injection Volume:	1000.0
Vial Number:	10	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:	1/9/2007 11:51	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



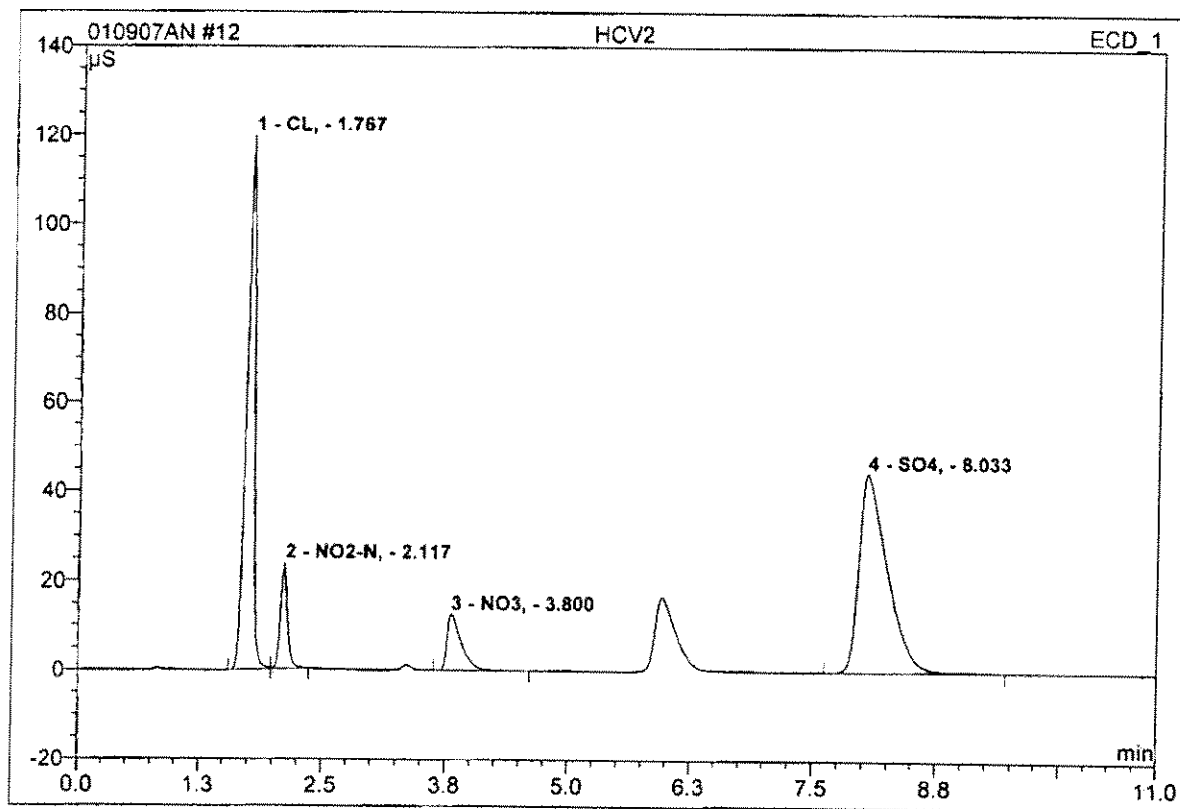
No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.77	CL,	137.012	14.255	37.09	89.847	BM
2	2.12	NO2-N,	30.242	2.512	6.54	9.998	MB
3	3.78	NO3,	15.475	2.696	7.02	9.992	BMB
4	7.97	SO4,	53.490	18.965	49.35	184.587	BMB
Total:			236.219	38.429	100.00	294.423	

11 autocal11**JKZ070109-10**Sample Name: **autocal11**Vial Number: **10**Sample Type: **standard**Control Program: **IC#3-ANION TTL2**Quantif. Method: **ANION-IC#3**Recording Time: **1/9/2007 11:51**Run Time (min): **11.00**Injection Volume: **1000.0**Channel: **ECD_1**Wavelength: **n.a.**Bandwidth: **n.a.**Dilution Factor: **1.0000**Sample Weight: **1.0000**Sample Amount: **1.0000**

No.	Ret. Time min	Peak Name	Cal. Type	Points	Corr. Coeff. %	Offset	Slope	Curve
1	1.77	CL _i	Quad	7	99.8893	0.0000	0.1092	0.0006
2	2.12	NO ₂ -N _i	Quad	10	99.9091	0.0000	0.2111	0.0040
3	3.78	NO ₃ _i	Quad	10	99.9609	0.0000	0.2414	0.0029
4	7.97	SO ₄ _i	Quad	9	99.8904	0.0000	0.0723	0.0002
Average:					99.9124	0.0000	0.1585	0.0019

12 HCV2

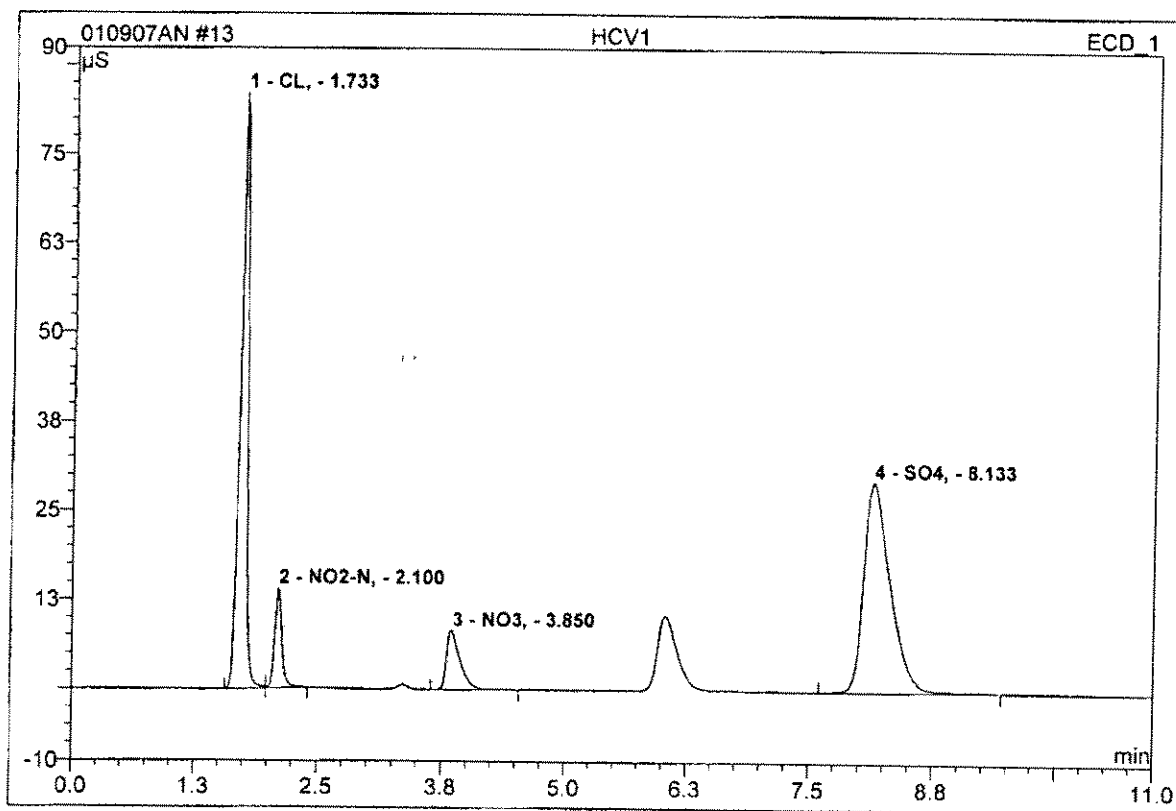
Sample Name:	HCV2	Injection Volume:	1000.0
Vial Number:	44	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 12:05	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.77	CL,	119.739	11.315	37.32	75.152	BM
2	2.12	NO2-N,	23.598	1.943	6.41	7.990	MB
3	3.80	NO3,	12.558	2.129	7.02	8.055	BMB
4	8.03	SO4,	44.464	14.935	49.25	153.100	BMB
Total:			200.359	30.322	100.00	244.297	

13 HCV1

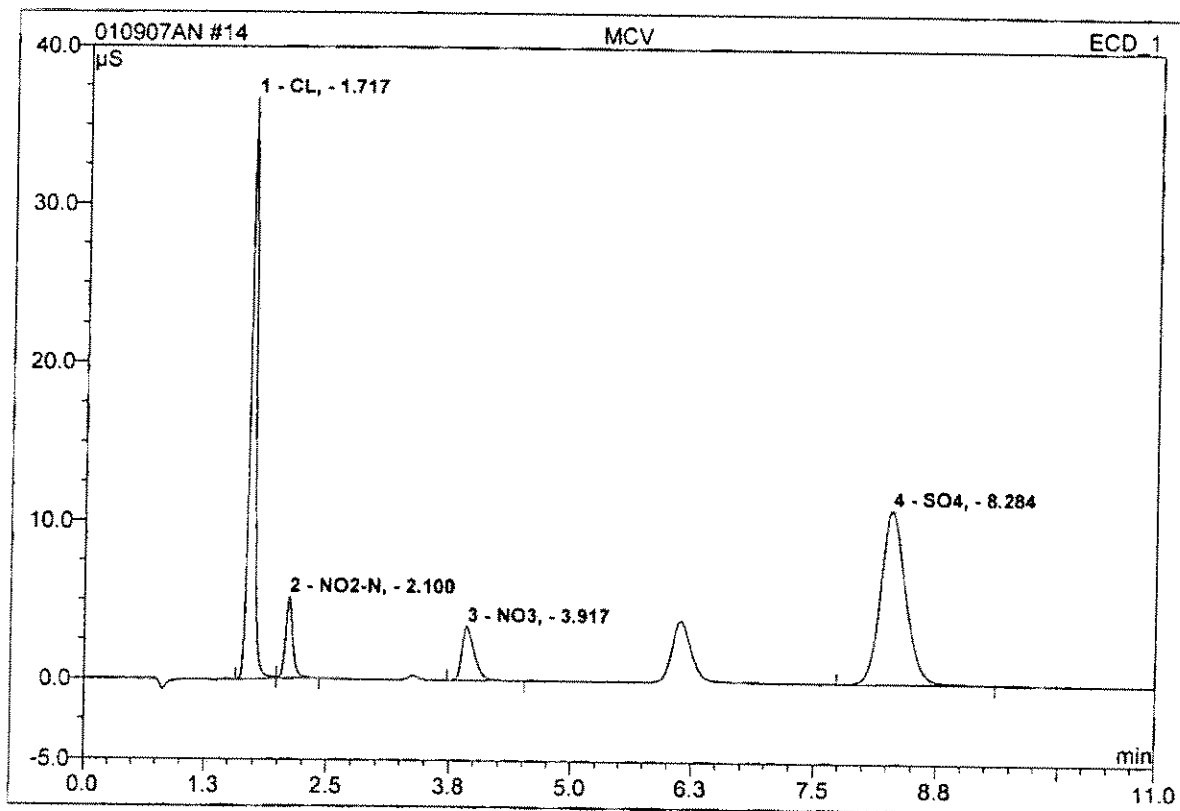
Sample Name:	HCV1	Injection Volume:	1000.0
Vial Number:	103	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 12:19	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.73	CL,	83.567	7.027	37.62	51.162	BM
2	2.10	NO2-N,	13.970	1.182	6.33	5.105	MB
3	3.85	NO3,	8.262	1.328	7.11	5.185	BMB
4	8.13	SO4,	29.401	9.141	48.94	102.478	BMB
Total:			135.200	18.678	100.00	163.929	

14 MCV

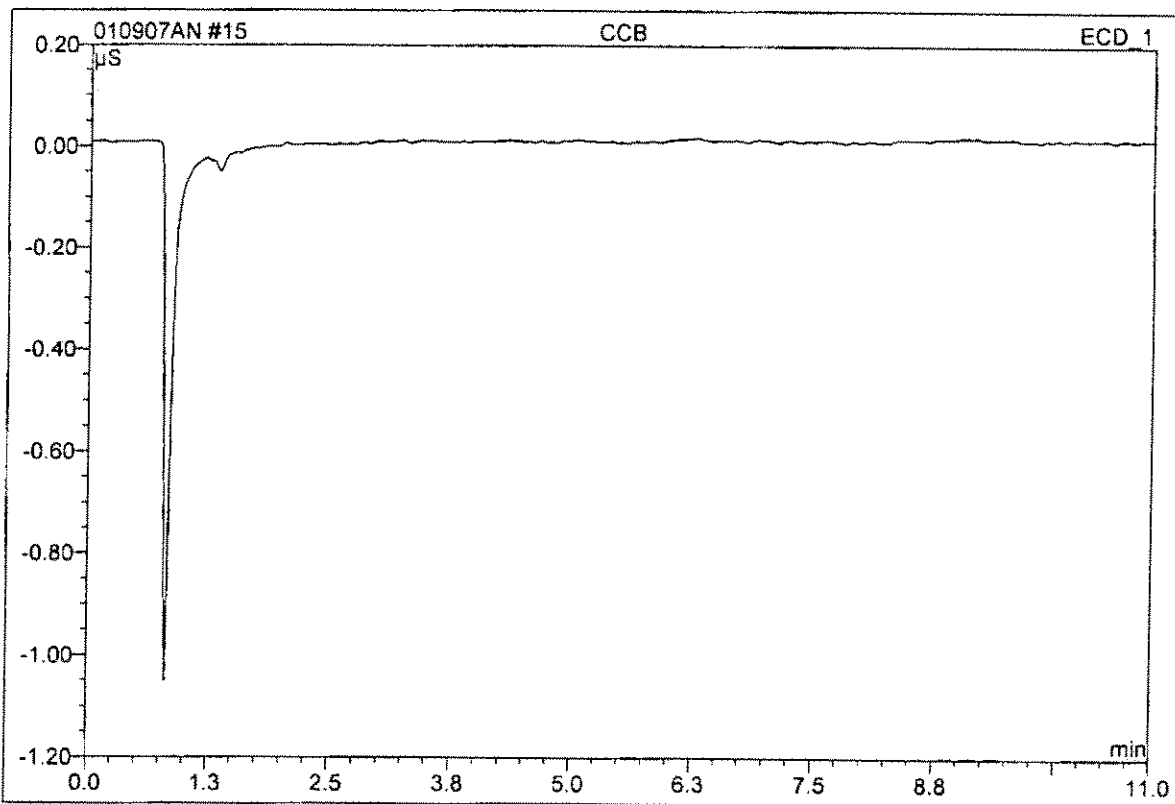
Sample Name:	MCV	Injection Volume:	1000.0
Vial Number:	104	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 12:32	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.72	CL,	36.714	2.530	37.42	20.961	BM
2	2.10	NO2-N,	5.164	0.449	6.64	2.046	MB
3	3.92	NO3,	3.388	0.499	7.38	2.018	BMB
4	8.28	SO4,	11.027	3.283	48.56	41.492	BMB
Total:			56.292	6.761	100.00	66.517	

15 CCB

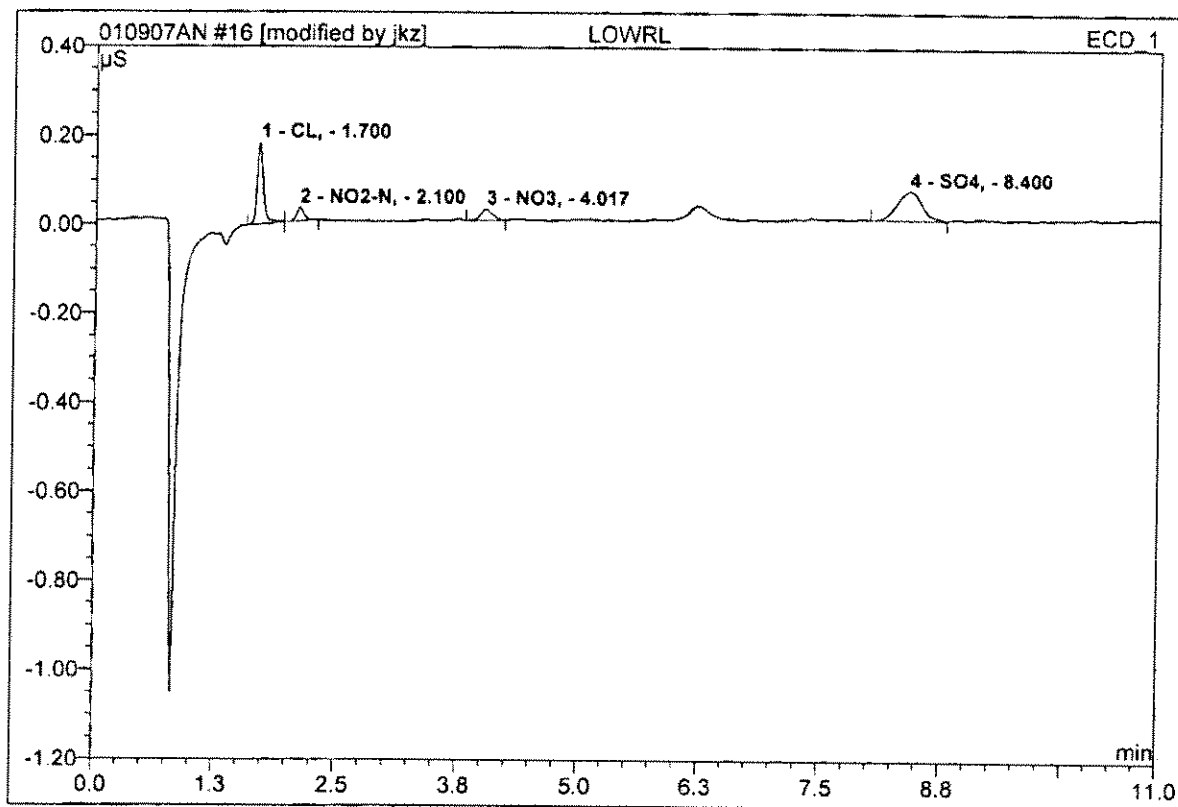
Sample Name:	CCB	Injection Volume:	1000.0
Vial Number:	105	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 12:46	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



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

16 LOWRL

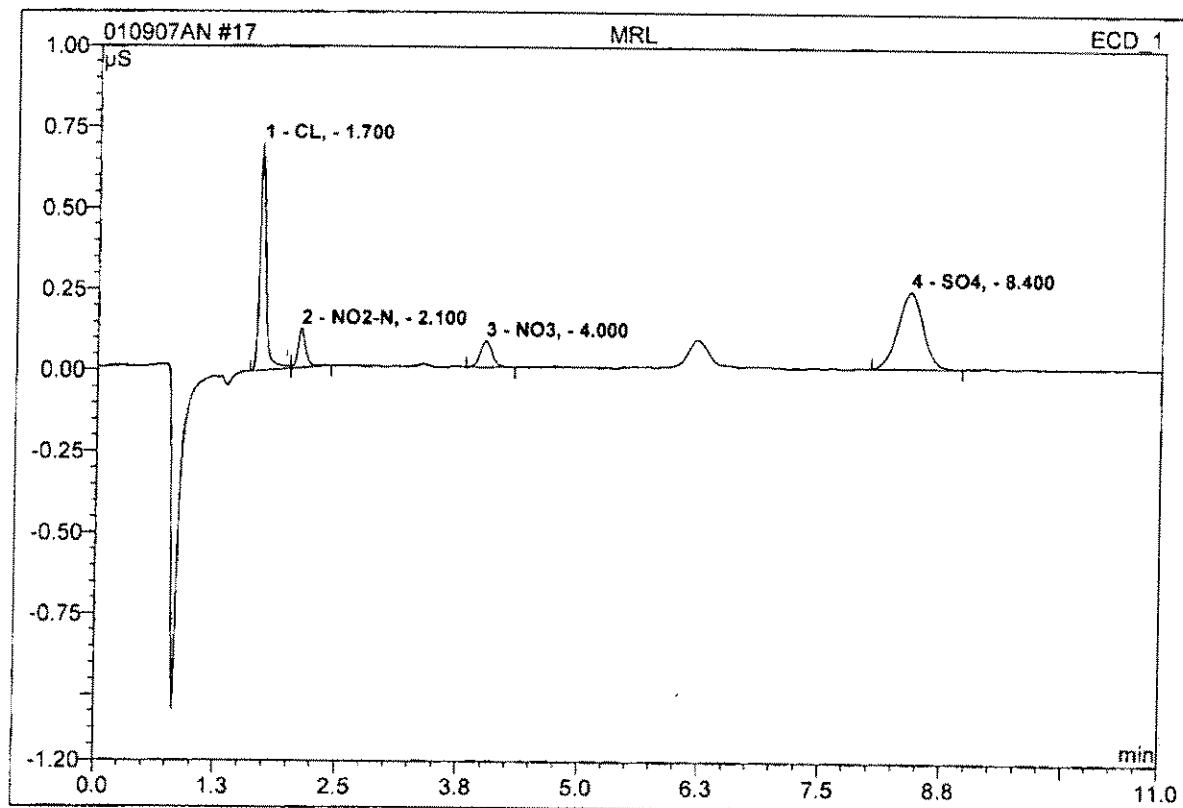
Sample Name:	LOWRL	Injection Volume:	1000.0
Vial Number:	105	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 13:00	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.70	CL,	0.186	0.014	34.98	0.127	BM *
2	2.10	NO2-N,	0.031	0.003	7.16	0.013	MB*
3	4.02	NO3,	0.025	0.004	8.82	0.015	BMB
4	8.40	SO4,	0.066	0.020	49.04	0.270	BMB
Total:			0.308	0.040	100.00	0.425	

17 MRL

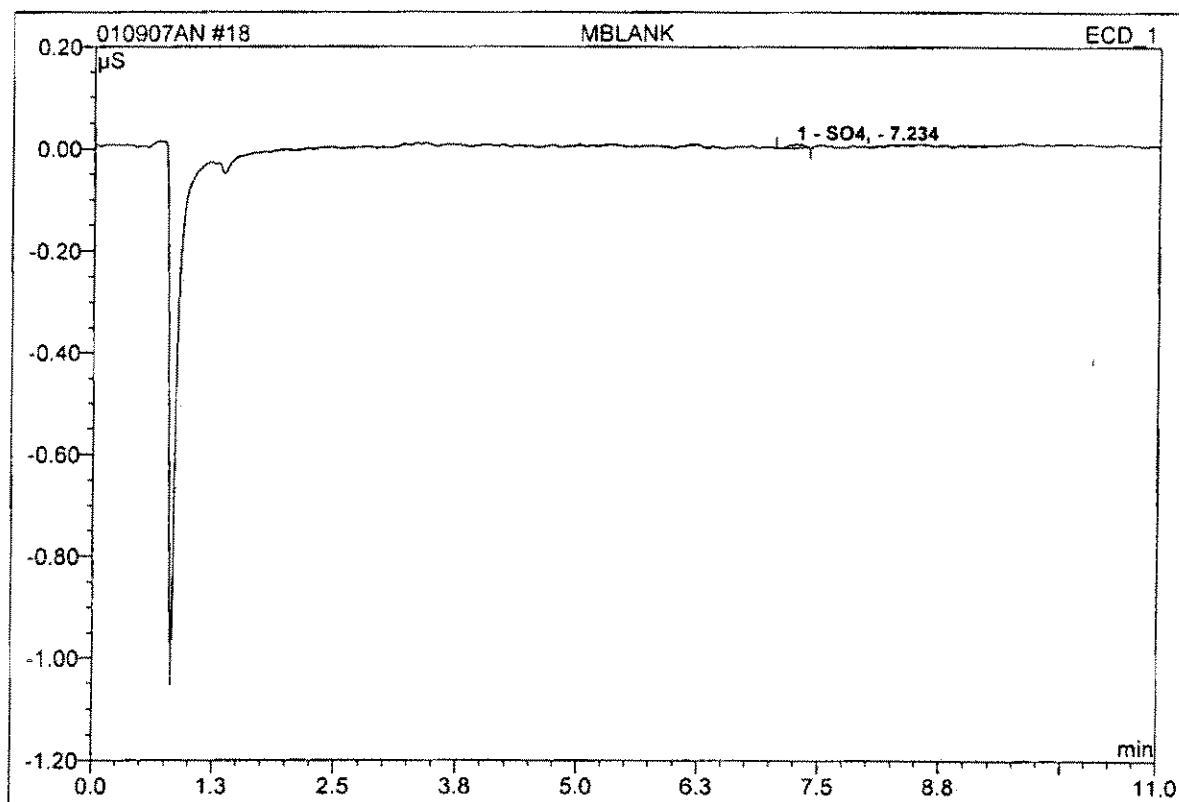
Sample Name:	MRL	Injection Volume:	1000.0
Vial Number:	106	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 13:13	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.70	CL,	0.702	0.052	35.01	0.472	BM
2	2.10	NO2-N,	0.123	0.011	7.76	0.054	MB
3	4.00	NO3,	0.084	0.012	8.13	0.050	BMB
4	8.40	SO4,	0.239	0.072	49.11	1.000	BMB
Total:			1.148	0.148	100.00	1.576	

18 MBLANK

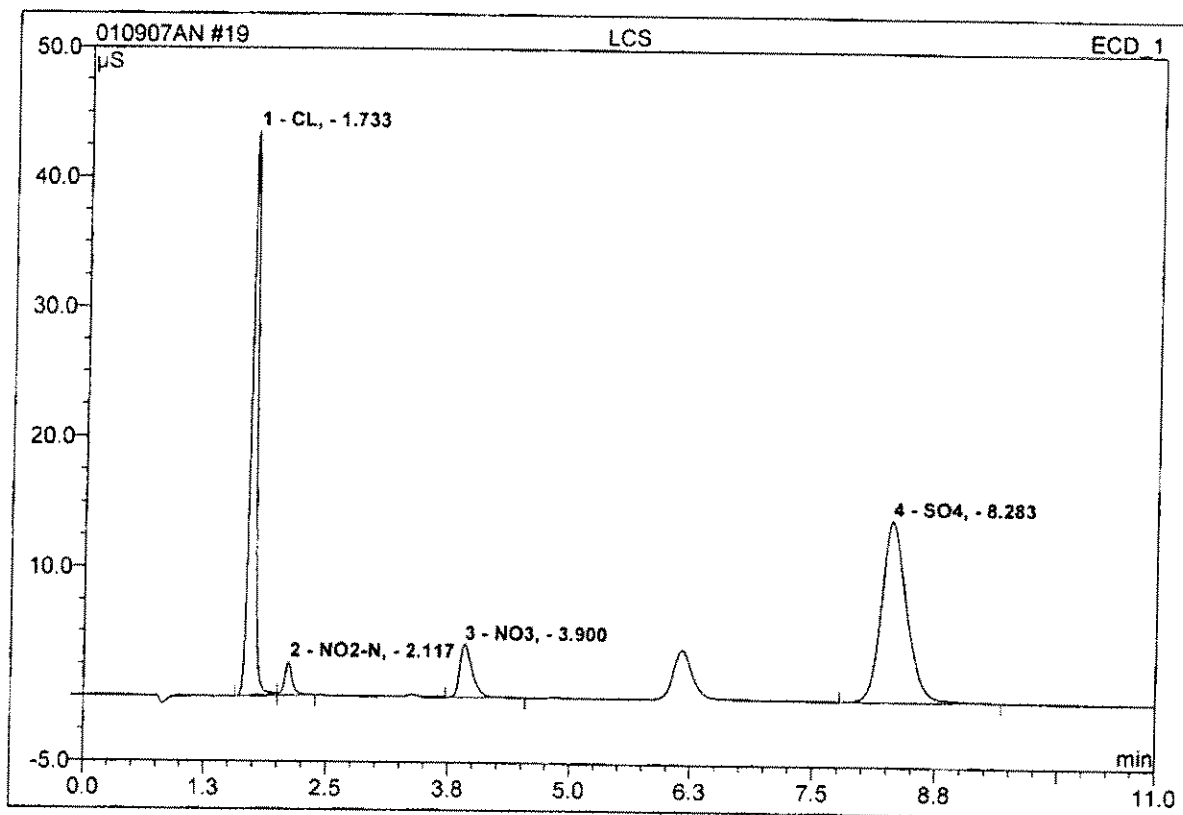
Sample Name:	MBLANK	Injection Volume:	1000.0
Vial Number:	108	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 13:27	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	7.23	SO ₄	0.006	0.001	100.00	0.015	BMB
Total:			0.006	0.001	100.00	0.015	

19 LCS

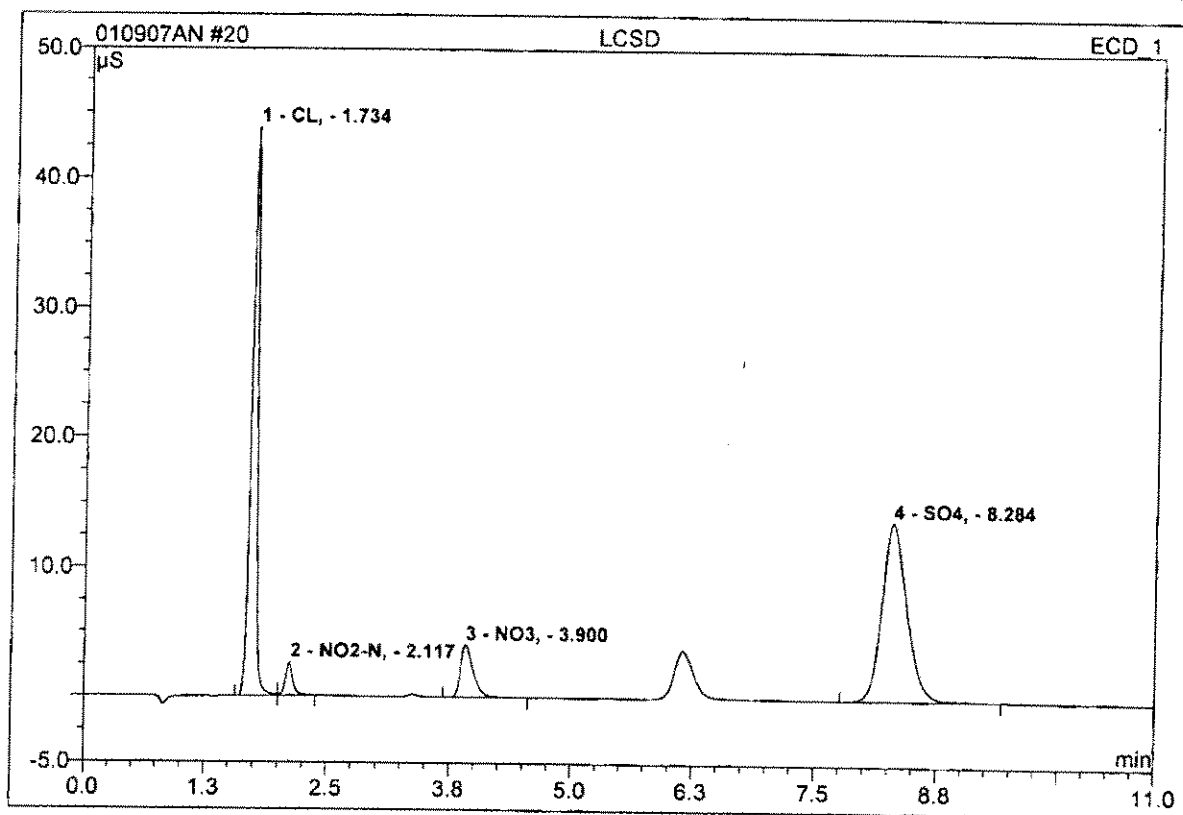
Sample Name:	LCS	Injection Volume:	1000.0
Vial Number:	105	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 13:40	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.73	CL,	43.600	3.237	38.84	26.190	BM
2	2.12	NO ₂ -N,	2.654	0.237	2.85	1.101	MB
3	3.90	NO ₃ ,	4.147	0.624	7.49	2.510	BMB
4	8.28	SO ₄ ,	14.077	4.236	50.83	52.340	BMB
Total:			64.478	8.333	100.00	82.140	

20 LCSD

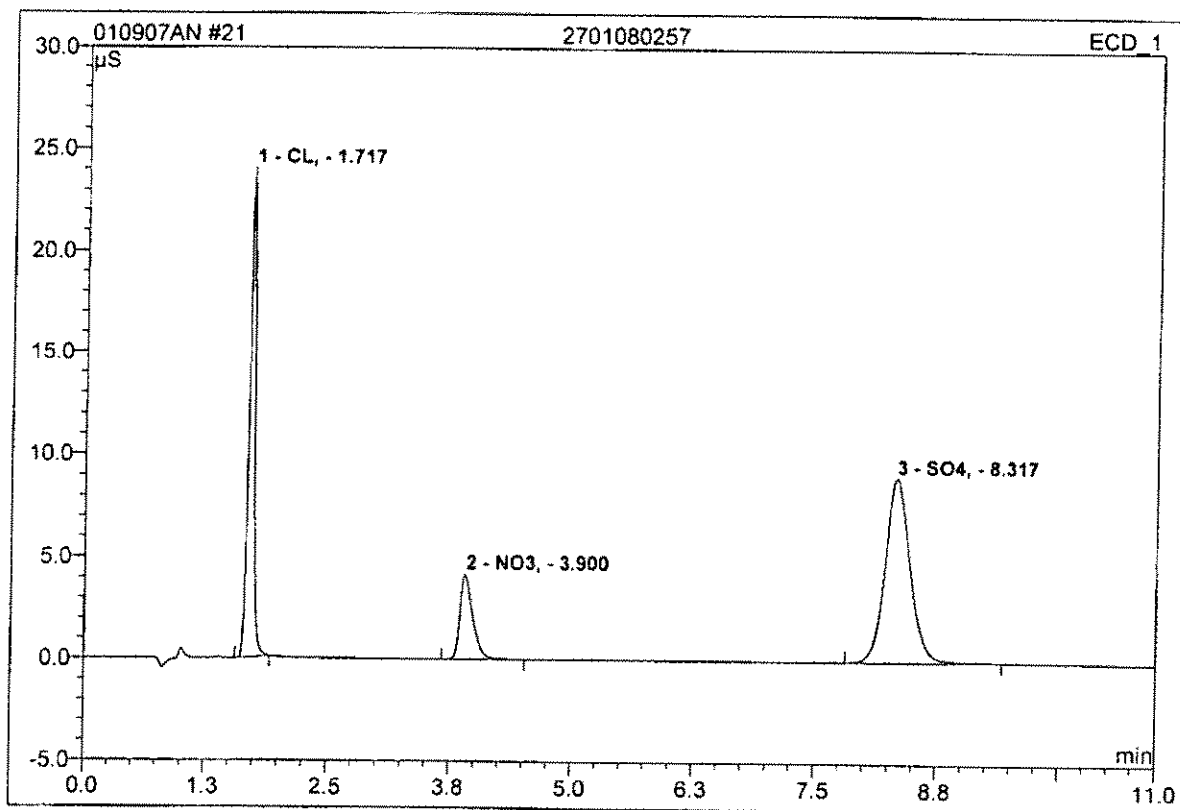
Sample Name:	LCSD	Injection Volume:	1000.0
Vial Number:	106	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 13:54	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.73	CL,	43.882	3.187	39.00	25.830	BM
2	2.12	NO2-N,	2.619	0.228	2.79	1.059	MB
3	3.90	NO3,	4.084	0.613	7.49	2.466	BMB
4	8.28	SO4,	13.864	4.145	50.72	51.325	BMB
Total:			64.449	8.173	100.00	80.680	

21 2701080257

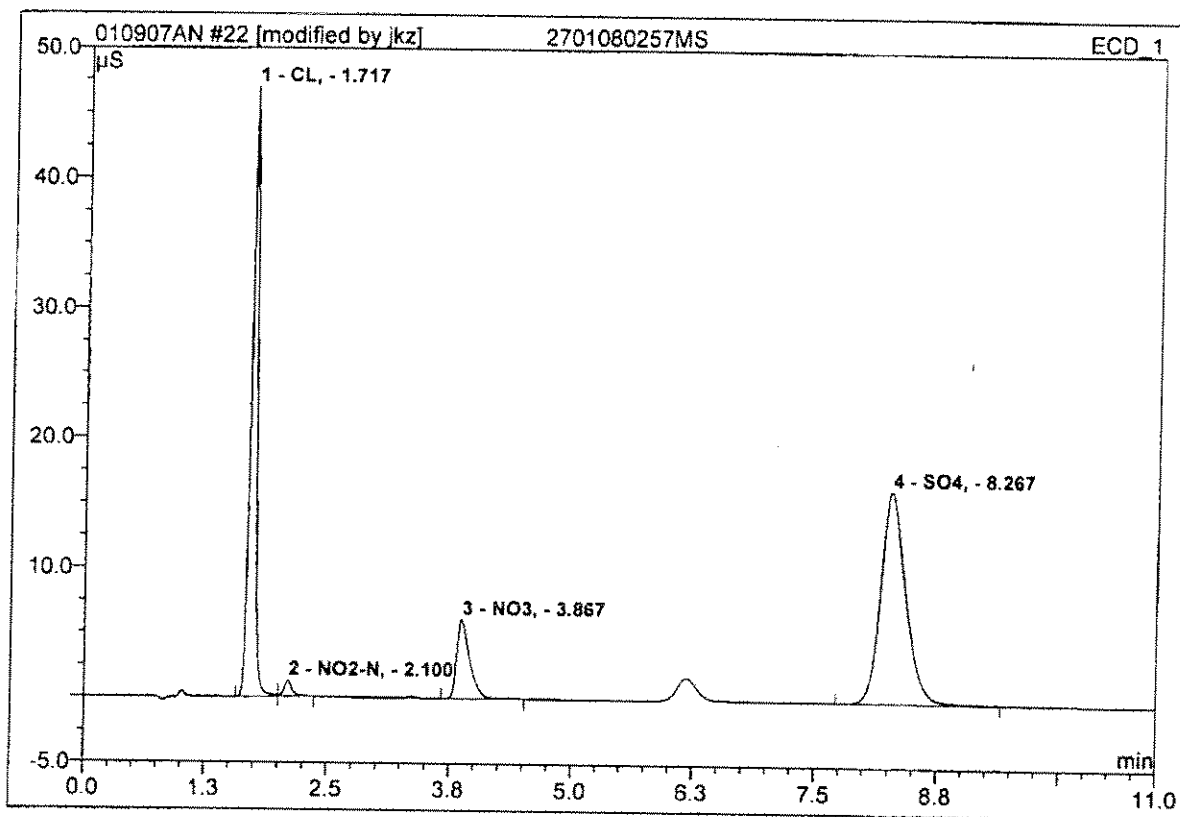
Sample Name:	2701080257	Injection Volume:	1000.0
Vial Number:	106	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	2.0000
Recording Time:	1/9/2007 14:08	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.72	CL,	24.002	1.627	32.83	27.845	BMB
2	3.90	NO3,	4.202	0.628	12.67	5.050	BMB
3	8.32	SO4,	9.014	2.700	54.50	69.242	BMB
Total:			37.218	4.955	100.00	102.137	

22 2701080257MS

Sample Name:	2701080257MS	Injection Volume:	1000.0
Vial Number:	107	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:	1/9/2007 14:21	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000

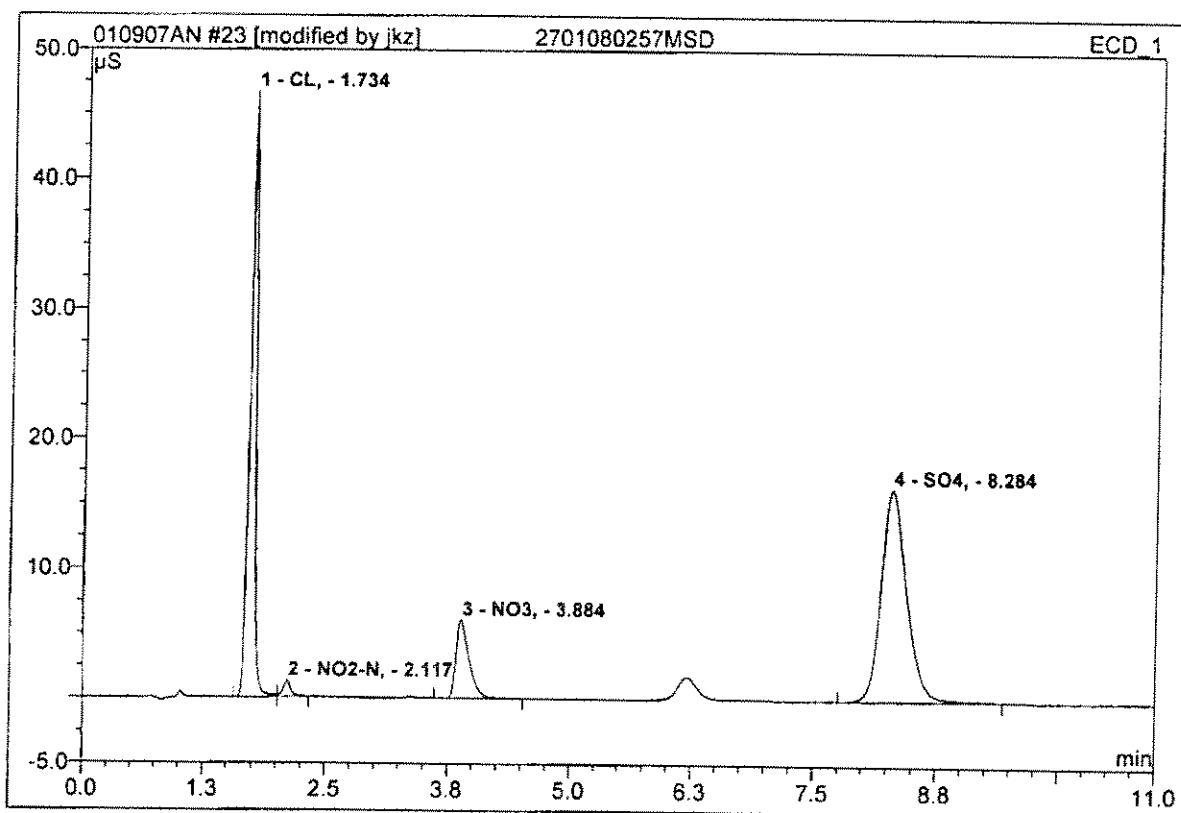


No.	Ret. Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
1	1.72	CL,	46.968	3.348	35.98	53.981	BM *
2	2.10	NO2-N,	1.279	0.115	1.24	1.079	MB*
3	3.87	NO3,	6.139	0.943	10.14	7.486	BMB
4	8.27	SO4,	16.341	4.898	52.64	119.279	BMB
Total:			70.727	9.304	100.00	181.826	

23 2701080257MSD

Sample Name: 2701080257MSD
 Vial Number: 107
 Sample Type: unknown
 Control Program: IC#3-ANION TTL2
 Quantif. Method: ANION-IC#3
 Recording Time: 1/9/2007 14:35
 Run Time (min): 11.00

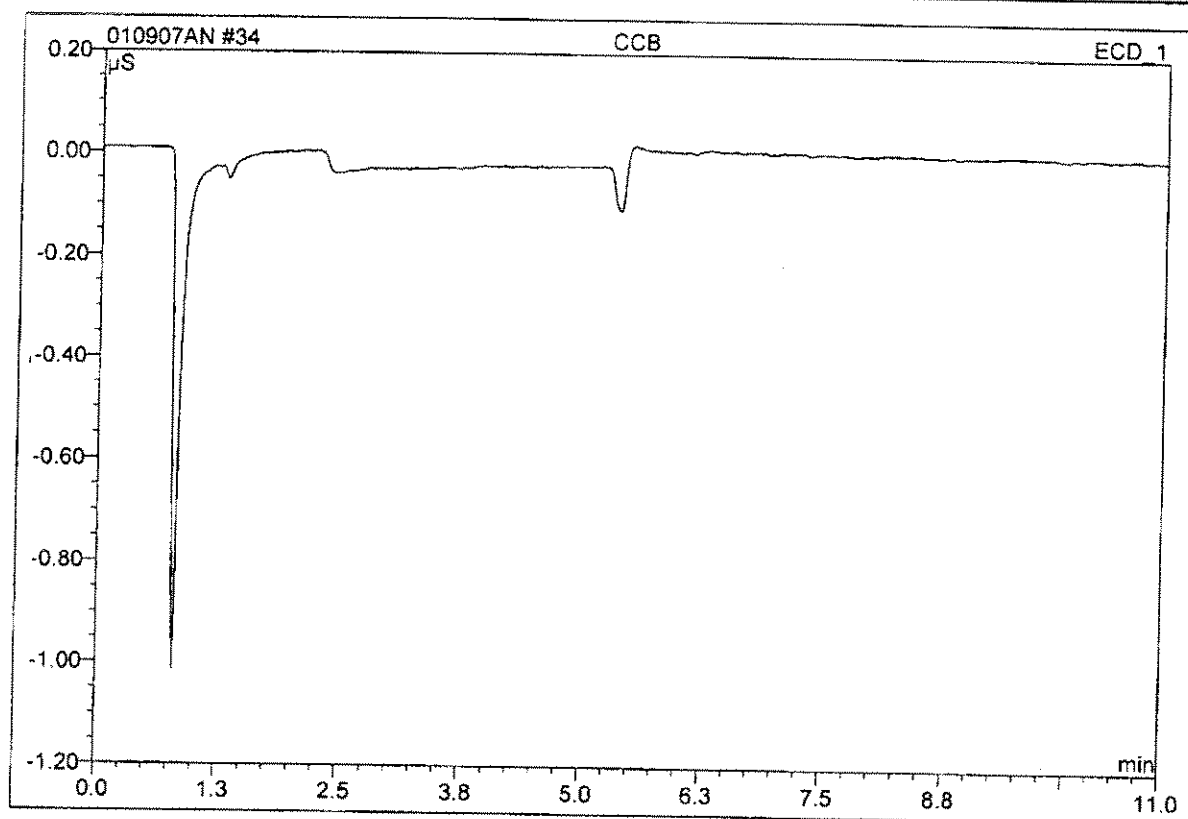
Injection Volume: 1000.0
 Channel: ECD_1
 Wavelength: n.a.
 Bandwidth: n.a.
 Dilution Factor: 2.0000
 Sample Weight: 1.0000
 Sample Amount: 1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.73	CL,	46.645	3.367	35.98	54.261	BM *
2	2.12	NO2-N,	1.274	0.115	1.23	1.078	MB*
3	3.88	NO3,	6.059	0.945	10.09	7.496	BMB
4	8.28	SO4,	16.367	4.932	52.70	120.013	BMB
Total:			70.345	9.359	100.00	182.849	

34 CCB

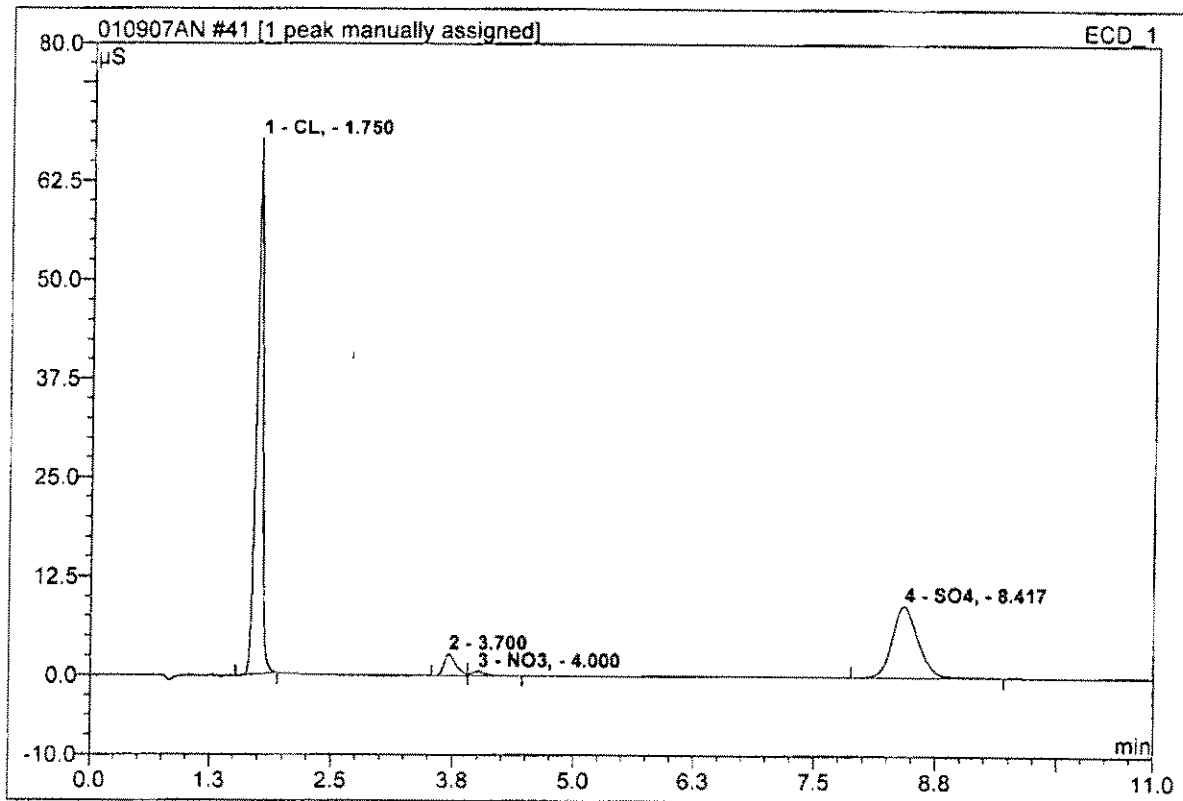
Sample Name:	CCB	Injection Volume:	1000.0
Vial Number:	109	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 17:53	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	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	

41 2701090304_1/50

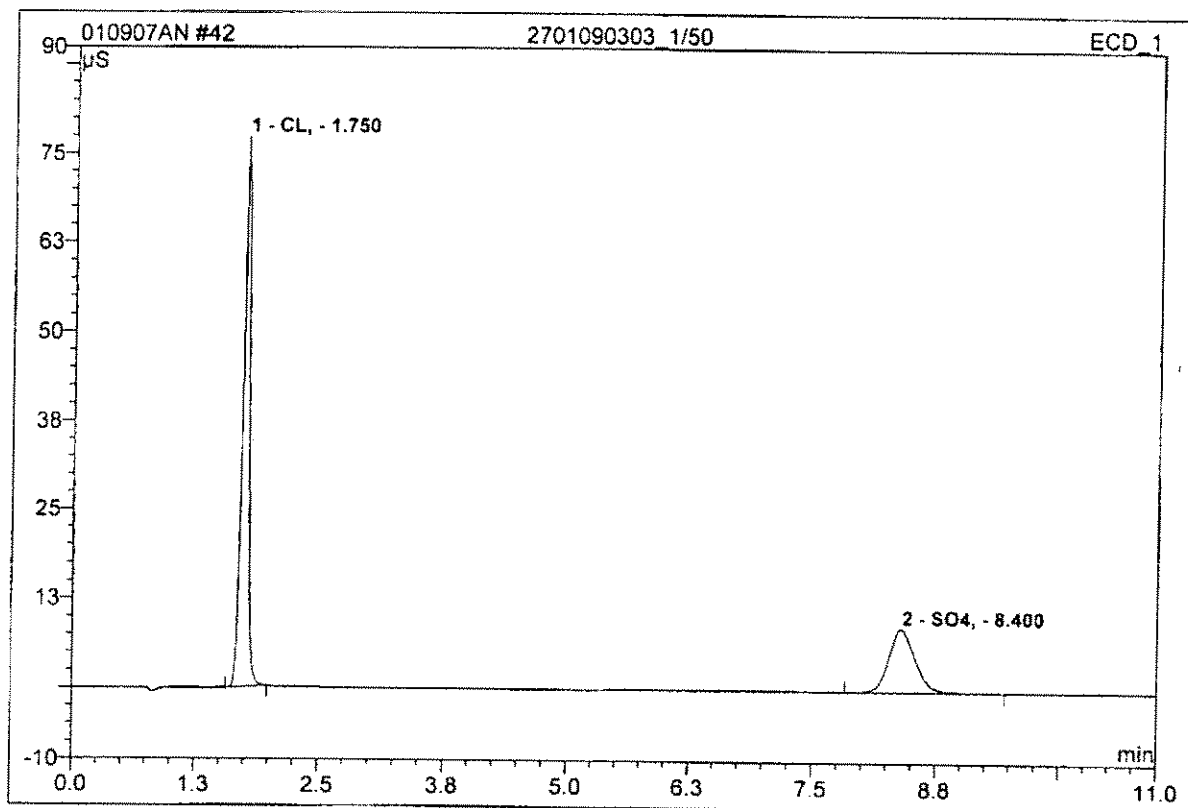
Sample Name:	2701090304_1/50	Injection Volume:	1000.0
Vial Number:	110	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	50.0000
Recording Time:	1/9/2007 19:29	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.75	CL,	67.719	5.130	61.15	1961.269	BMB
2	3.70	n.a.	2.697	0.382	4.55	n.a.	BM
3	4.00	NO3,	0.540	0.088	1.05	18.199	MB^
4	8.42	SO4,	9.052	2.789	33.25	1783.896	BMB
Total:			80.007	8.389	100.00	3763.364	

42 2701090303_1/50

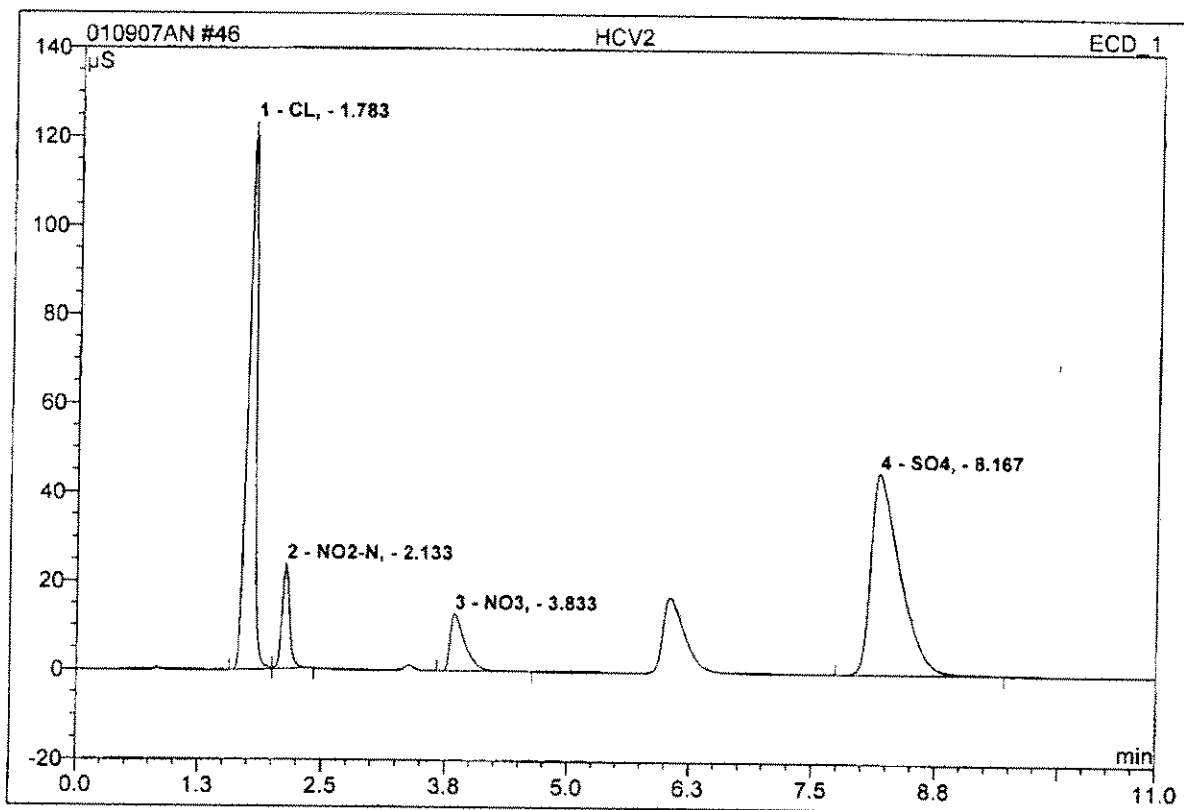
Sample Name:	2701090303_1/50	Injection Volume:	1000.0
Vial Number:	110	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	50.0000
Recording Time:	1/9/2007 19:43	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.75	CL,	77.250	6.226	69.68	2312.196	BMB
2	8.40	SO4,	8.836	2.709	30.32	1736.111	BMB
Total:			86.087	8.935	100.00	4048.307	

46 HCV2

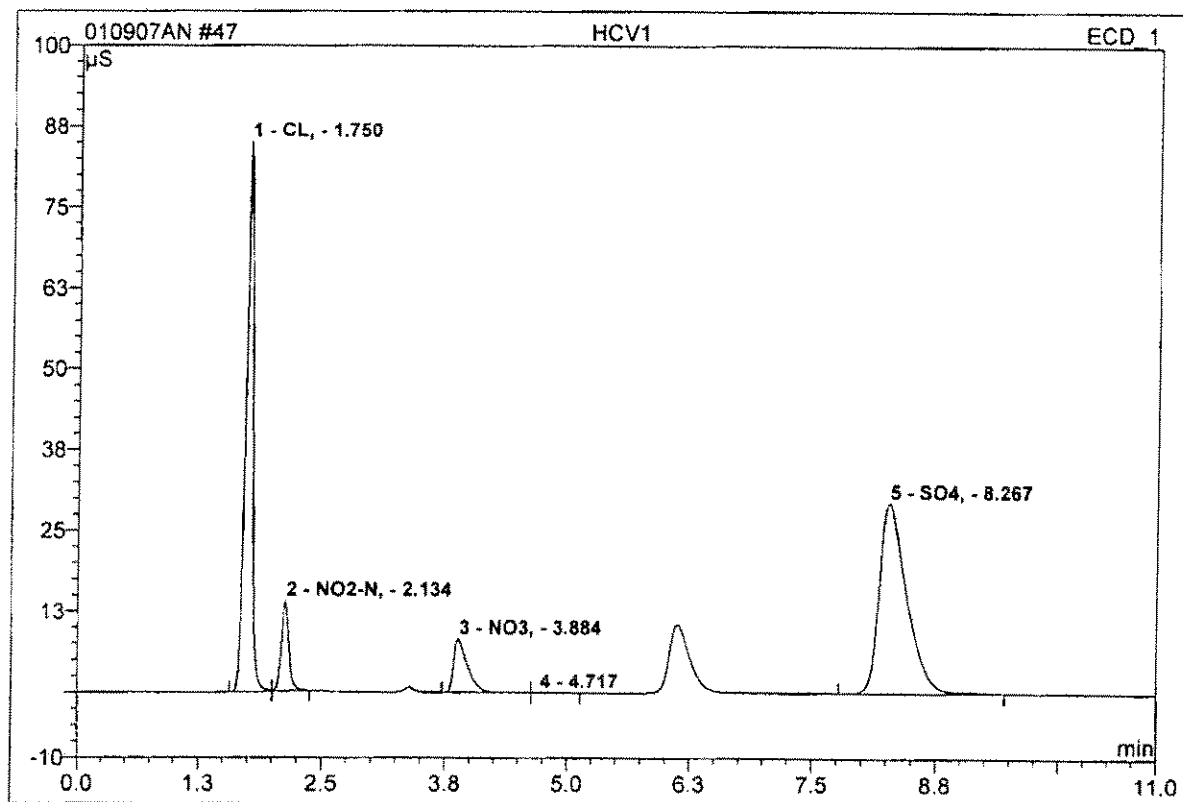
Sample Name:	HCV2	Injection Volume:	1000.0
Vial Number:	124	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 20:37	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.78	CL,	123.197	11.882	37.38	78.081	BM
2	2.13	NO2-N,	23.850	2.051	6.45	8.378	MB
3	3.83	NO3,	12.976	2.232	7.02	8.413	BMB
4	8.17	SO4,	45.408	15.624	49.15	158.668	BMB
Total:			205.431	31.789	100.00	253.540	

47 HCV1

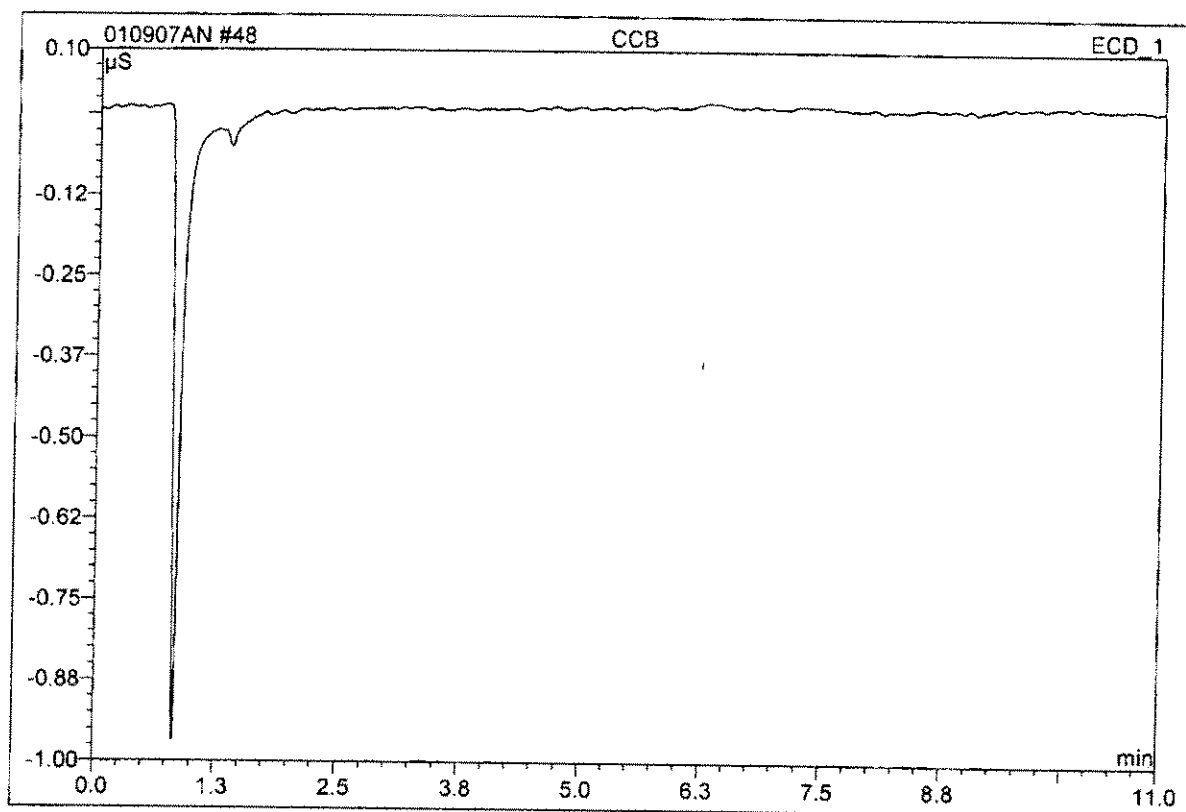
Sample Name:	HCV1	Injection Volume:	1000.0
Vial Number:	129	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 20:51	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.75	CL,	85.077	7.232	37.60	52.396	BM
2	2.13	NO2-N,	14.000	1.212	6.30	5.223	MB
3	3.88	NO3,	8.309	1.370	7.12	5.340	BM
4	4.72	n.a.	0.022	0.006	0.03	n.a.	MB
5	8.27	SO4,	29.489	9.415	48.95	105.054	BMB
Total:			136.898	19.236	100.00	168.013	

48 CCB

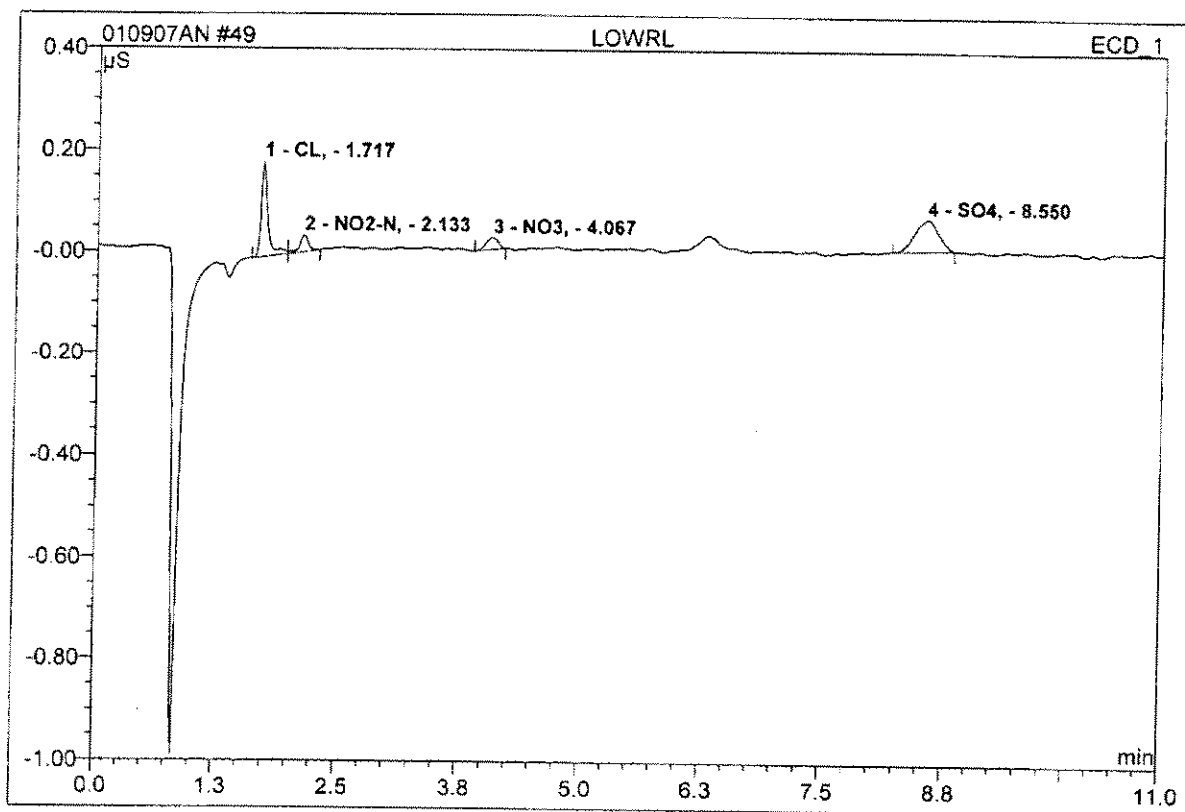
Sample Name:	CCB	Injection Volume:	1000.0
Vial Number:	130	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 21:04	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



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

49 LOWRL

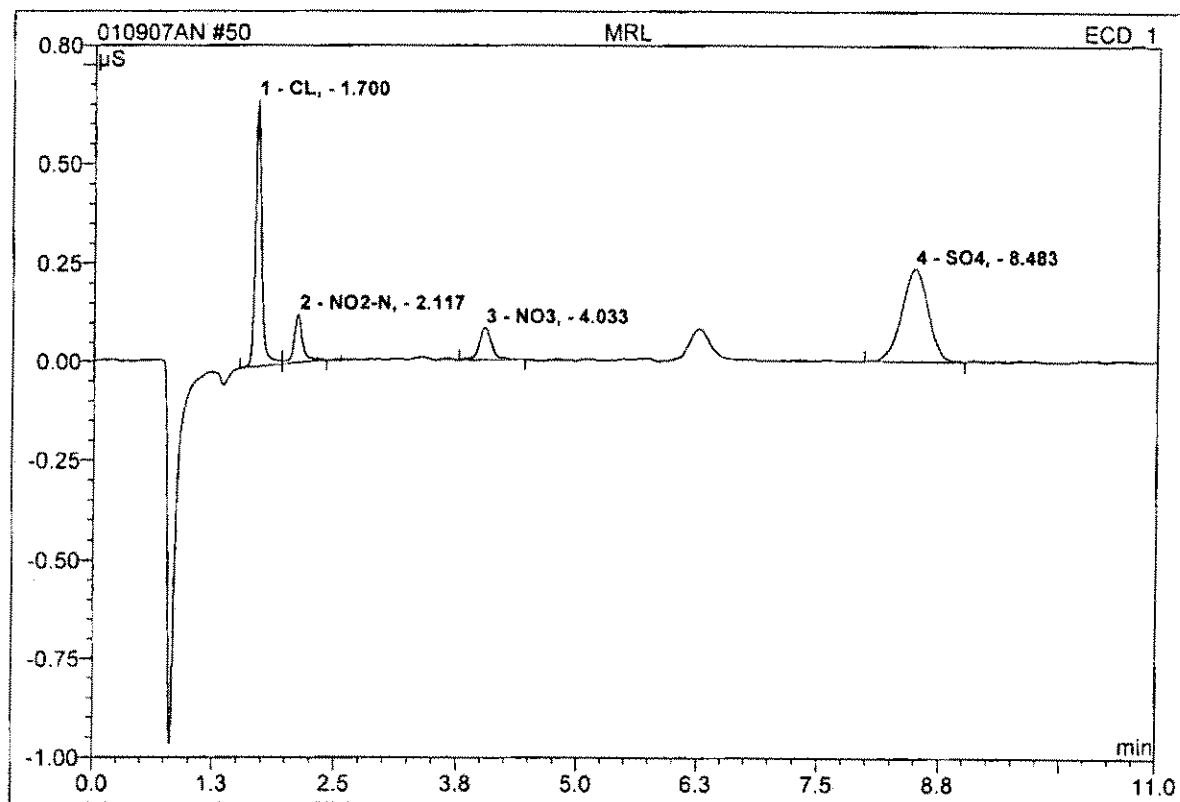
Sample Name:	LOWRL	Injection Volume:	1000.0
Vial Number:	67	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	IC#3-ANION TTL2	Bandwidth:	n.a.
Quantif. Method:	ANION-IC#3	Dilution Factor:	1.0000
Recording Time:	1/9/2007 21:18	Sample Weight:	1.0000
Run Time (min):	11.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.72	CL,	0.188	0.015	37.73	0.138	BM
2	2.13	NO2-N,	0.034	0.003	8.67	0.016	MB
3	4.07	NO3,	0.024	0.003	8.56	0.014	BMB
4	8.55	SO4,	0.063	0.018	45.04	0.249	BMB
Total:			0.309	0.040	100.00	0.417	

50 MRL

Sample Name:	MRL	Injection Volume:	1000.0
Vial Number:	68	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:	1/9/2007 21:32	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	1.70	CL,	0.674	0.052	34.20	0.477	BM
2	2.12	NO2-N,	0.125	0.013	8.54	0.062	MB
3	4.03	NO3,	0.083	0.013	8.39	0.053	BMB
4	8.48	SO4,	0.236	0.075	48.88	1.030	BMB
Total:			1.119	0.153	100.00	1.622	

Standard Preparation Worksheet & Certificate of Analysis

Reagent Pre

Reagent: IC3 Ar

Date Received/Prepped: 11/30/06 1 1 1 1

Date Expired: 05/30/07 1 1 1 1

Manufacturer: _____

Storage Condition: Room Temp

MW #: JKZ 061130-1

By: JKZ

Matrix: ag

Amount: 1 L

Lot #: NA

Component	Comment	Standard	Concentration
	19.09 g g Na ₂ CO ₃	R 200786	
	14.28 g NaHCO ₃	R 201307	
	in 1 L DI H ₂ O		

Comment: _____

Reagent: Autocal 2 / Low RL JKZ 070109-1

Date Received/Prepped: 12/05/06 10/09/07 1 1

Date Expired: 06/05/07 1 1 1 1

Manufacturer: _____

Storage Condition: Fresh every calibration, RT

MW #: JKZ 067205-1

By: JKZ

Matrix: ag

Amount: 100 mL

Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	12.5 μ L	R201405A	
Cl 1000 ppm	} dilute to 100 mL w DI H ₂ O		Cl = 0.125 ppm
NO ₃ 100			NO ₂ = 0.0125
SO ₄ 2000			NO ₃ = 0.0125
Anion Calib Soln B	12.5 μ L	R201405B	SO ₄ = 0.25
NO ₂ 100 ppm	stds. exp. 12/15/07		

Comment: _____

Reagent: Autocal 3 / CLRL JKZ 070109-2

Date Received/Prepped: 12/05/06/01/09/07 1 1 1

Date Expired: 1 1 1 1 1

Manufacturer: _____

Storage Condition: Fresh every calibration, RT

MW #: JKZ 061205-2

By: JKZ

Matrix: ag

Amount: 100 mL

Lot #: NA

Component	Comment	Standard	Concentration
Anion Calib Soln A	25 μ L	R 201405A	
Cl 1000 ppm	} dilute to 100 mL w DI H ₂ O		Cl = 0.25 ppm
NO ₃ 100			NO ₂ = 0.025
SO ₄ 2000			NO ₃ = 0.025
Anion Calib Soln B	25 μ L	R 201405B	SO ₄ = 0.50
NO ₂ 100 ppm	stds. exp. 12/15/07		

Comment: _____

Reagent Preparation Documentation

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Reagent:

Antiscal 4

JKZ 070109-3

Date Received/Prepped:

12/05/04 01/09/07

Date Expired:

Manufacturer:

Storage Condition:

MW #: JKZ 061205-3

By: JKZ

Matrix: ag

Amount: 100 ml

Lot #: NA

Component	Comment	Standard	Concentration
Amin Calib Soln A	50 mL	R201405A	
Cl 1000 ppm	dilute to 100 ml w DI H ₂ O		Cl = 0.50 ppm
NO ₃ 100			NO ₂ = 0.05
SO ₄ 2000			NO ₃ = 0.05
Amin Calib Soln B		R201405B	SO ₄ = 1.00
NO ₂ 100 ppm			
Comment:			

Reagent:

Antiscal 5

JKZ 070109-4

Date Received/Prepped:

12/05/06 01/09/07

Date Expired:

Manufacturer:

Storage Condition:

MW #: JKZ 061205-4

By: JKZ

Matrix: ag

Amount: 100 ml

Lot #: NA

Component	Comment	Standard	Concentration
Amin Calib Soln A	100 mL	R201405A	
Cl 1000 ppm	dilute to 100 ml w DI H ₂ O		Cl = 1.00 ppm
NO ₃ 100			NO ₂ = 0.10
SO ₄ 2000			NO ₃ = 0.10
Amin Calib Soln B		R201405B	SO ₄ = 2.00
NO ₂ 100 ppm			
Comment:			

Reagent:

Antiscal 6

JKZ 070109-5

Date Received/Prepped:

12/05/06 01/09/07

Date Expired:

Manufacturer:

Storage Condition:

MW #: JKZ 061205-5

By: JKZ

Matrix: ag

Amount: 100 ml

Lot #: NA

Component	Comment	Standard	Concentration
Amin Calib Soln A	200 mL	R201405A	
Cl 1000 ppm	dilute to 100 ml w DI H ₂ O		Cl = 2.00 ppm
NO ₃ 100			NO ₂ = 0.20
SO ₄ 2000			NO ₃ = 0.20
Amin Calib Soln B		R201405B	SO ₄ = 4.00
NO ₂ 100 ppm			
Comment:			

Reagent Preparation Documentation

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Reagent: Autocal 7 JKZ 070109-6
 Date Received/Prepped: 12/05/06 101/04/07 1 1 1
 Date Expired: 1 1 1 1 1
 Manufacturer:
 Storage Condition: Fresh every calibration, RT

MW #: JKZ 061205-6
 By: JKZ
 Matrix: aq
 Amount: 100 ml
 Lot #: NA

Component	Comment	Standard	Concentration
Amion Calib Soln A	500 μ l	R201405A	
Cl 1000 ppm	} dilute to 100 ml DI H ₂ O		Cl = 5.00 ppm
NO ₂ 100			NO ₂ = 0.50
SO ₄ 2000			NO ₃ = 0.50
Amion Calib Soln B		R201405B	SO ₄ = 10.0
NO ₂ 100 ppm	stds. expire: 12/15/07		

Comment:

Reagent: Autocal 8 JKZ 070109-7
 Date Received/Prepped: 12/05/06 101/04/07 1 1 1
 Date Expired: 1 1 1 1 1
 Manufacturer:
 Storage Condition: Fresh every calibration, RT

MW #: JKZ 061205-7
 By: JKZ
 Matrix: aq
 Amount: 100 ml
 Lot #: ND

Component	Comment	Standard	Concentration
Amion Calib Soln A	1.00 ml	R201405A	
Cl 1000 ppm	} dilute to 100 ml DI H ₂ O		Cl = 10.0 ppm
NO ₂ 100			NO ₂ = 1.00
SO ₄ 2000			NO ₃ = 1.00
Amion Calib Soln B		R201405B	SO ₄ = 20.0
NO ₂ 100 ppm	stds. expire: 12/15/07		

Comment:

Reagent: Autocal 9 JKZ 070109-8
 Date Received/Prepped: 12/05/06 101/04/07 1 1 1
 Date Expired: 1 1 1 1 1
 Manufacturer:
 Storage Condition: Fresh every calibration, RT

MW #: JKZ 061205-8
 By: JKZ
 Matrix: aq
 Amount: 100 ml
 Lot #: NA

Component	Comment	Standard	Concentration
Amion Calib Soln A	2.50 ml	R201405A	
Cl 1000 ppm	} dilute to 100 ml DI H ₂ O		Cl = 25.0 ppm
NO ₂ 100			NO ₂ = 2.50
SO ₄ 2000			NO ₃ = 2.50
Amion Calib Soln B		R201405B	SO ₄ = 50.0
NO ₂ 100 ppm	stds. expire: 12/15/07		

Comment:

Reagent Preparation Documentation

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Reagent: Autocal 10 JKZ070109-9
 Date Received/Prepped: 12/5/06 10/09/07 1 1 1
 Date Expired: 1 1 1 1 1
 Manufacturer:
 Storage Condition: Fresh every calibration, RT

MW #: JKZ061205-9
 By: JKZ
 Matrix: ag
 Amount: 100 ml
 Lot #: NA

Component	Comment	Standard	Concentration
Amion Calib Soln A	5.00 ml	R201405A	
Cl 1000 ppm	dilute to 100 ml w DI H ₂ O		Cl = 50.0
NO ₃ 100			NO ₃ = 5.00
SO ₄ 2000			NO ₃ = 5.00
Amion Calib Soln B		R201405B	SO ₄ = 100
NO ₂ 100 ppm	std. exp: 12/15/07		

Comment:

Reagent: Autocal 11 JKZ070109-10
 Date Received/Prepped: 12/05/06 10/09/07 1 1 1
 Date Expired: 1 1 1 1 1
 Manufacturer:
 Storage Condition: Fresh every calibration, RT

MW #: JKZ061205-10
 By: JKZ
 Matrix: ag
 Amount: 100 ml
 Lot #: NA

Component	Comment	Standard	Concentration
Amion Calib Soln A	10.0 ml	R201405A	
Cl 1000 ppm	dilute to 100 ml w DI H ₂ O		Cl = 100
NO ₃ 100			NO ₃ = 10.0
MSO ₄ 200			NO ₃ = 10.0
Amion Calib Soln B		R201405B	SO ₄ = 200
NO ₂ 100 ppm	std. exp: 12/15/07		

Comment:

Reagent: IC3: Eluent
 Date Received/Prepped: 01/30/07 1 1 1 1
 Date Expired: 06/30/07 1 1 1 1
 Manufacturer:
 Storage Condition: Room Temp

MW #: JKZ070130-01
 By: JKZ
 Matrix: ag
 Amount: 1 L
 Lot #: NA

Component	Comment	Standard	Concentration
	19.09 g Na ₂ CO ₃	R201472	
	14.28 g NaHCO ₃	R201307	
	in 1L DI H ₂ O		

Comment:

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Technology*

Expiry: 12/15/2007

Rec'd 06/19/06

Certificate of Analysis

Part Number: 4400-050110rh03
Lot Number: 06F133
Shelf Life: 18 months

Solution A

MWH
Anion Calibration Stock Solution
H2O

R201405

Concentrations in ug/mL $\pm$ 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 1000 μ g/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.

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Expiry: 12/15/2007

Certificate of Analysis

Part Number: 4400-050110rh03
Lot Number: 06F133
Shelf Life: 18 months

Solution B

MWH
Anion Calibration Stock Solution
H2O

R201405

Concentrations in ug/mL $\pm$ 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 1000 μ g/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.

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