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Level IV Data Package

MWH Group 245247

Method: EPA 300

2806240538
2806240540

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

Analysis Date: 6/24/08 Analyst: KK

QC'd by MA Date 2/30/08

Instrument: IC7

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

N/A NO3-LOW1

SO4-LOW1

NO39056

CL-LF

SO4-LF

— 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

✓ for NO2-N, MCL = 1 ppm ✓ for NO3, MCL = 10 ppm

Received by Supervisor on 26-jun-2008
QIR initiated by: sxk

QUALITY INVESTIGATION REPORT **QIR No.:** INOR_245472

Analysis date: 062408
Analyst: sxk
Method reference: ML-EPA 300
Analytical instrument: INIC
Extraction Date: NA
Prepared By: NA

Group	Sample#	Sample ID	Customer	QC Ref	Test	PM
245247	2806240538	EFFLUENT	KERRMCGEE-MP	434054	NO3	ADE
245247	2806240540	INFLUENT	KERRMCGEE-MP	434054	NO3	ADE
245261	2806240582	585-003 TREATED WATE	[redacted]	434048	CL	ADE
245261	2806240582	585-003 TREATED WATE	[redacted]	434054	NO3	ADE
245261	2806240582	585-003 TREATED WATE	[redacted]	434043	SO4	ADE
245245	2806240529	193EF:ENTMAN RESERVO	[redacted]	434054	NO3	DEB
245245	2806240532	19477:PIEDMONT RESER	[redacted]	434054	NO3	DEB
245245	2806240534	193F6:UNIVERSITY CIT	[redacted]	434054	NO3	DEB
245245	2806240535	193F7:ROSS RESERVOIR	[redacted]	434054	NO3	DEB
245245	2806240533	19473:ALESSANDRO RES	[redacted]	434054	NO3	DEB
245245	2806240541	193F2:CREST BOOSTER	[redacted]	434054	NO3	DEB
245245	2806240536	19488:HEUSTIS RESERV	[redacted]	434054	NO3	DEB
245252	2806240560	1941D:GRAND TERRACE	[redacted]	434054	NO3	DEB
245252	2806240559	1941F:NORTH ORANGE F	[redacted]	434054	NO3	DEB
245252	2806240553	19498:7TH AND CHICAG	[redacted]	434054	NO3	DEB
245120	2806240013	2058 EIGHT ST	[redacted]	434054	NO3	YOM
245120	2806240014	457 FAYECROFT ST	[redacted]	434054	NO3	YOM
245120	2806240016	2008 GLENOAKS	[redacted]	434054	NO3	YOM
245120	2806240015	WELL 3	[redacted]	434054	NO3	YOM

Brief Description:(include reason for non-compliance-Root Cause)

MS/MSD recoveries were 0%/232% for CL; 0%/230% for SO4 and 0%/213% for NO3 for 2806240582. LCS/LCSD recoveries for each analyte are 106%/108% for SO4; 106%/108% for CL; and 101%/102%.

Corrective Action Taken/Prevention:

Results reported. MS was not spiked and MSD was double spiked for CL, NO3, SO4.
No flag was placed on the spiked sample as it is clear from the recoveries that the sample was double spiked with the CL/NO3/SO4 solution.

Impact on Data Quality:

No impact to data quality is LCS/LCSD pairs can be used to assess precision for the batches.
LIMS user:lmr Date/time stamp:02-jul-2008 21:45:52

Data Disposition/Acceptable/Method/Regulations:

Data acceptable for compliance based on passing LCSs and other QC. Report MSD data with corrected True Value and retrain analyst. Report data with comment that accuracy and precision can be obtained from the LCS/LCSD pair due

to analyst spiking error of MS/MSD.
LIMS user:lxg Date/time stamp:03-jul-2008 08:49:42

Client Contact:

ok to report with comment
LIMS user:ade Date/time stamp:03-jul-2008 10:04:32

annotate Batch QC and report.
LIMS user:deb Date/time stamp:03-jul-2008 11:50:27

Report data with batch comment. yom 7/7/08
LIMS user:yom Date/time stamp:07-jul-2008 16:49:58

Detail Report for QIR group# 245472

Group	Sample#	Sample ID	Customer	QC Ref	Test	Analyst	Analysis Date	Prep	Prep Date	Inst
245120	2806240013	2058 EIGHT ST	SANFERNANDO	434054	NO3	sxk	06/24/08 17:13			INIC
245120	2806240014	457 FAYECROFT ST	SANFERNANDO	434054	NO3	sxk	06/24/08 17:26			INIC
245120	2806240015	WELL 3	SANFERNANDO	434054	NO3	sxk	06/24/08 17:00			INIC
245120	2806240016	2008 GLENOAKS	SANFERNANDO	434054	NO3	sxk	06/24/08 17:39			INIC
245245	2806240529	193EF:ENTMAN RESERVO	RIVERSIDE	434054	NO3	sxk	06/24/08 21:25			INIC
245245	2806240532	19477:PIEDMONT RESER	RIVERSIDE	434054	NO3	sxk	06/24/08 21:38			INIC
245245	2806240533	19473:ALESSANDRO RES	RIVERSIDE	434054	NO3	sxk	06/24/08 22:17			INIC
245245	2806240534	193F6:UNIVERSITY CIT	RIVERSIDE	434054	NO3	sxk	06/24/08 20:33			INIC
245245	2806240535	193F7:ROSS RESERVOIR	RIVERSIDE	434054	NO3	sxk	06/24/08 20:59			INIC
245245	2806240536	19488:HEUSTIS RESERV	RIVERSIDE	434054	NO3	sxk	06/24/08 21:12			INIC
245245	2806240541	193F2:CREST BOOSTER	RIVERSIDE	434054	NO3	sxk	06/24/08 20:46			INIC
245247	2806240538	EFFLUENT	KERRMCGEE-MP	434054	NO3	sxk	06/24/08 18:05			INIC
245247	2806240540	INFLUENT	KERRMCGEE-MP	434054	NO3	sxk	06/24/08 17:52			INIC
245252	2806240553	19498:7TH AND CHICAG	RIVERSIDE	434054	NO3	sxk	06/24/08 22:04			INIC
245252	2806240559	1941F:NORTH ORANGE F	RIVERSIDE	434054	NO3	sxk	06/24/08 22:30			INIC
245252	2806240560	1941D:GRAND TERRACE	RIVERSIDE	434054	NO3	sxk	06/24/08 21:51			INIC
245261	2806240582	585-003 TREATED WATE	CMPL-CC-TN	434048	CL	sxk	06/24/08 18:18			INIC
245261	2806240582	585-003 TREATED WATE	CMPL-CC-TN	434054	NO3	sxk	06/24/08 18:18			INIC
245261	2806240582	585-003 TREATED WATE	CMPL-CC-TN	434043	SO4	sxk	06/24/08 18:18			INIC

Batch# 434043 SO4

Analyte	QC	Actual	Found	Lower	Yield	Upper	Statu
Sulfate	LCS1	50	52.8	90.0	105.6	110.0	OK
Sulfate	LCS2	50	53.8	90.0	107.6	110.0	OK
Sulfate	MBLK	ND	ND	0.0		1.0	OK
Sulfate	MRL_CHK	0.25	0.237	50.0	94.8	150.0	OK
Sulfate	MS	25	NA	83.0		115.0	OK
Sulfate	MSD	25	NA	83.0		115.0	OK
Sulfate	RPD_LCS	105.6	107.6	0.0	1.88	20.0	OK
Sulfate	RPD_MS		NA	0.0	NA	20.0	OK

Batch# 434048 CL

Analyte	QC	Actual	Found	Lower	Yield	Upper	Statu
Chloride	LCS1	25	26.4	90.0	105.6	110.0	OK
Chloride	LCS2	25	26.9	90.0	107.6	110.0	OK
Chloride	MBLK	ND	ND	0.0		0.5	OK
Chloride	MRL_CHK	0.500	0.649	50.0	129.8	150.0	OK
Chloride	MS	12.5	NA	74.0		126.0	OK
Chloride	MSD	12.5	NA	74.0		126.0	OK

Chloride	RPD_LCS	105.6	107.6	0.0	1.88	20.0	OK
Chloride	RPD_MS		NA	0.0	NA	20.0	OK

Batch# 434054 NO3

Analyte	QC	Actual	Found	Lower	Yield	Upper	Statu
Nitrate as Nitrogen by IC	LCS1	2.5	2.52	90.0	100.8	110.0	OK
Nitrate as Nitrogen by IC	LCS2	2.5	2.55	90.0	102.0	110.0	OK
Nitrate as Nitrogen by IC	MBLK	ND	ND	0.0		0.0	OK
Nitrate as Nitrogen by IC	MRL_CHK	0.050	0.048	50.0	97.6	150.0	OK
Nitrate as Nitrogen by IC	MS	1.25	NA	80.0		112.0	OK
Nitrate as Nitrogen by IC	MSD	1.25	NA	80.0		112.0	OK
Nitrate as Nitrogen by IC	RPD_LCS	100.8	102.0	0.0	1.18	20.0	OK
Nitrate as Nitrogen by IC	RPD_MS		NA	0.0	NA	20.0	OK

SUMMARY SHEET

File ID: 062408BN
Date Started: 06/24/08
Analyst ID: sxk

SAMPLE ID

AUTOCAL1	(08:15)	AUTOCAL2	(08:28)	AUTOCAL3	(08:41)
AUTOCAL4	(08:54)	AUTOCAL5	(09:07)	AUTOCAL6	(09:20)
AUTOCAL7	(09:33)	AUTOCAL8	(09:46)	AUTOCAL9	(09:59)
AUTOCAL10	(10:12)	AUTOCAL11	(10:25)	20 PPM	(06:50)
LOWRL	(08:34)	2806230228	(09:39)	2806230230_1	(09:52)
2806230247_1	(10:05)	2806240009_1	(10:18)	2806240012_1	(10:31)
2806240005_1	(10:44)	2806240010_1	(10:57)	2806240003_1	(11:10)
2806240008_1	(11:23)	2806240011	(11:36)	2806230261_1	(12:41)
2806230098	(12:54)	2806230100_1	(13:07)	2806230099_1	(13:20)
2806240007_1	(13:33)	2806240006_1	(13:46)	2806240002_1	(13:59)
2806240004_1	(14:11)	2806230262_1	(14:24)	2806230263	(14:37)
LOWRL	(15:55)	2806240015_1	(17:00)	2806240013_1	(17:13)
2806240014_1	(17:26)	2806240016_1	(17:39)	2806240540_1	(17:52)
2806240538_1	(18:05)	2806240582	(18:18)	X2806100748	(18:57)
2806240534_1	(20:33)	2806240541_1	(20:46)	2806240535_1	(20:59)
2806240536_1	(21:12)	2806240529_1	(21:25)	2806240532_1	(21:38)
2806240560_1	(21:51)	2806240553_1	(22:04)	2806240533_1	(22:17)
2806240559	(22:30)	LOWRL	(23:48)	2806240558_1	(00:53)
2806250043_1	(01:06)	2806240570_1	(01:19)	2806240577_1	(01:32)
2806240578_1	(01:45)	2806240579_1	(01:58)	2806240580_1	(02:11)
2806240581_1	(02:24)	2806250120_1	(02:37)	2806250117	(02:50)
2806240508_1	(03:57)	x2806240582	(04:10)	2806240665_1	(04:23)
2806240667_1	(04:36)	2806240669_1	(04:49)	2806240670_1	(05:02)
2806240671_1	(05:15)	2806250203_1	(05:28)	2806240672_1	(05:41)
2806240676	(05:54)		()		

COMMENT:

Analyst: SXK

Approved By: [illegible]

File ID: 062408BN RUN - LOG

Sample ID	Date	Time	Dil
AUTOCAL1	06/17/08	08:15	1
AUTOCAL2	06/17/08	08:28	1
AUTOCAL3	06/17/08	08:41	1
AUTOCAL4	06/17/08	08:54	1
AUTOCAL5	06/17/08	09:07	1
AUTOCAL6	06/17/08	09:20	1
AUTOCAL7	06/17/08	09:33	1
AUTOCAL8	06/17/08	09:46	1
AUTOCAL9	06/17/08	09:59	1
AUTOCAL10	06/17/08	10:12	1
AUTOCAL11	06/17/08	10:25	1
20 PPM	06/24/08	06:50	1
HCV2	06/24/08	07:03	1
HCV1	06/24/08	07:16	1
MCV	06/24/08	07:28	1
CCB	06/24/08	08:21	1
LOWRL	06/24/08	08:34	1
MRL	06/24/08	08:47	1
MBLK	06/24/08	09:00	1
LCS	06/24/08	09:13	1
LCSD	06/24/08	09:26	1
2806230228_1/2	06/24/08	09:39	2
2806230230_1/2	06/24/08	09:52	2
2806230247_1/2	06/24/08	10:05	2
2806240009_1/2	06/24/08	10:18	2
2806240012_1/2	06/24/08	10:31	2
2806240005_1/2	06/24/08	10:44	2
2806240010_1/2	06/24/08	10:57	2
2806240003_1/2	06/24/08	11:10	2
2806240008_1/2	06/24/08	11:23	2
2806240011	06/24/08	11:36	2
2806240011MS	06/24/08	11:49	2
2806240011MSD	06/24/08	12:02	2
MCV	06/24/08	12:15	1
CCB	06/24/08	12:28	1
2806230261_1/2	06/24/08	12:41	2
2806230098_1/2	06/24/08	12:54	2
2806230100_1/2	06/24/08	13:07	2
2806230099_1/2	06/24/08	13:20	2
2806240007_1/2	06/24/08	13:33	2
2806240006_1/2	06/24/08	13:46	2
2806240002_1/2	06/24/08	13:59	2
2806240004_1/2	06/24/08	14:11	2
2806230262_1/2	06/24/08	14:24	2
2806230263	06/24/08	14:37	2
2806230263MS	06/24/08	14:50	2
HCV2	06/24/08	15:03	1
HCV1	06/24/08	15:16	1
MCV	06/24/08	15:29	1

File ID: 062408BN RUN - LOG

Sample ID	Date	Time	Dil
CCB	06/24/08	15:42	1
LOWRL	06/24/08	15:55	1
MRL	06/24/08	16:08	1
MBLK	06/24/08	16:21	1
LCS	06/24/08	16:34	1
LCSD	06/24/08	16:47	1
2806240015_1/2	06/24/08	17:00	2
2806240013_1/2	06/24/08	17:13	2
2806240014_1/2	06/24/08	17:26	2
2806240016_1/2	06/24/08	17:39	2
2806240540_1/50	06/24/08	17:52	50
2806240538_1/50	06/24/08	18:05	50
2806240582	06/24/08	18:18	1
2806240582MS	06/24/08	18:31	1
2806240582MSD	06/24/08	18:44	1
X2806100748_1/2	06/24/08	18:57	2
HCV2	06/24/08	19:10	1
HCV1	06/24/08	19:23	1
CCB	06/24/08	19:36	1
MCV	06/24/08	20:07	1
CCB	06/24/08	20:20	1
2806240534_1/2	06/24/08	20:33	2
2806240541_1/2	06/24/08	20:46	2
2806240535_1/2	06/24/08	20:59	2
2806240536_1/2	06/24/08	21:12	2
2806240529_1/2	06/24/08	21:25	2
2806240532_1/2	06/24/08	21:38	2
2806240560_1/2	06/24/08	21:51	2
2806240553_1/2	06/24/08	22:04	2
2806240533_1/2	06/24/08	22:17	2
2806240559	06/24/08	22:30	2
2806240559MS	06/24/08	22:43	2
HCV2	06/24/08	22:56	1
HCV1	06/24/08	23:09	1
MCV	06/24/08	23:22	1
CCB	06/24/08	23:35	1
LOWRL	06/24/08	23:48	1
MRL	06/25/08	00:01	1
MBLK	06/25/08	00:14	1
LCS	06/25/08	00:27	1
LCSD	06/25/08	00:40	1
2806240558_1/2	06/25/08	00:53	2
2806250043_1/2	06/25/08	01:06	2
2806240570_1/2	06/25/08	01:19	2
2806240577_1/2	06/25/08	01:32	2
2806240578_1/2	06/25/08	01:45	2
2806240579_1/2	06/25/08	01:58	2
2806240580_1/2	06/25/08	02:11	2
2806240581_1/2	06/25/08	02:24	2
2806250120_1/2	06/25/08	02:37	2

File ID: 062408BN RUN - LOG

Sample ID	Date	Time	Dil
2806250117	06/25/08	02:50	2
2806250117MS	06/25/08	03:03	2
2806250117MSD	06/25/08	03:16	2
MCV	06/25/08	03:29	1
CCB	06/25/08	03:43	1
2806240508_1/2	06/25/08	03:57	2
x2806240582	06/25/08	04:10	1
2806240665_1/2	06/25/08	04:23	2
2806240667_1/2	06/25/08	04:36	2
2806240669_1/2	06/25/08	04:49	2
2806240670_1/2	06/25/08	05:02	2
2806240671_1/2	06/25/08	05:15	2
2806250203_1/2	06/25/08	05:28	2
2806240672_1/2	06/25/08	05:41	2
2806240676	06/25/08	05:54	2
2806240676MS	06/25/08	06:07	2
HCV2	06/25/08	06:20	1
HCV1	06/25/08	06:33	1
CCB	06/25/08	06:46	1
			0

BATCH NUMBER for 062408BN

Test Parameter:

CL NO2-N NO3 SO4 NO3A

Batch ID: 2806240011

2806230228_1/2	2806230230_1/2	2806230247_1/2
2806240009_1/2	2806240012_1/2	2806240005_1/2
2806240010_1/2	2806240003_1/2	2806240008_1/2
2806240011	2806230261_1/2	2806230098_1/2
2806230100_1/2	2806230099_1/2	2806240007_1/2
2806240006_1/2	2806240002_1/2	2806240004_1/2
2806230262_1/2	2806230263	

Batch ID: 2806240582

2806240015_1/2	2806240013_1/2	2806240014_1/2
2806240016_1/2	2806240540_1/50	2806240538_1/50
2806240582	2806240534_1/2	2806240541_1/2
2806240535_1/2	2806240536_1/2	2806240529_1/2
2806240532_1/2	2806240560_1/2	2806240553_1/2
2806240533_1/2	2806240559	

Batch ID: 2806250117

2806240558_1/2	2806250043_1/2	2806240570_1/2
2806240577_1/2	2806240578_1/2	2806240579_1/2
2806240580_1/2	2806240581_1/2	2806250120_1/2
2806250117	2806240508_1/2	2806240665_1/2
2806240667_1/2	2806240669_1/2	2806240670_1/2
2806240671_1/2	2806250203_1/2	2806240672_1/2
2806240676		

File ID: 062408BN

NO3

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
AUTOCAL1	06/17/08	08:15	1	0	ND		
AUTOCAL2	06/17/08	08:28	1	.01615784	ND		
AUTOCAL3	06/17/08	08:41	1	.02309066	ND		
AUTOCAL4	06/17/08	08:54	1	.04405974	ND		
AUTOCAL5	06/17/08	09:07	1	9.951251999999999D-02	.1		
AUTOCAL6	06/17/08	09:20	1	.18867	0.19		
AUTOCAL7	06/17/08	09:33	1	.48542	0.49		
AUTOCAL8	06/17/08	09:46	1	.96872	0.97		
AUTOCAL9	06/17/08	09:59	1	2.4839	2.5		
AUTOCAL10	06/17/08	10:12	1	5.0239	5.0		
AUTOCAL11	06/17/08	10:25	1	9.9959	10		
20 PPM	06/24/08	06:50	1	18.851	19		
HCV2	06/24/08	07:03	1	8.1936	8.19	90-110	102%
HCV1	06/24/08	07:16	1	5.1794	5.18	90-110	103%
MCV	06/24/08	07:28	1	2.0083	2.01	90-110	100%
CCB	06/24/08	08:21	1	0	ND		
LOWRL	06/24/08	08:34	1	.01333348	ND → 107%		
MRL	06/24/08	08:47	1	.04882783	ND	50-150	97.6%
MBLK	06/24/08	09:00	1	0	ND		
LCS	06/24/08	09:13	1	2.4105	2.41	90-110	96.4%
LCSD	06/24/08	09:26	1	2.5343	2.53	90-110	101%
2806230228_1/2	06/24/08	09:39	2	5.7778	5.8		
2806230230_1/2	06/24/08	09:52	2	5.7566	5.8		
2806230247_1/2	06/24/08	10:05	2	7.9682	8.0		
2806240009_1/2	06/24/08	10:18	2	8.7384	8.7		
2806240012_1/2	06/24/08	10:31	2	.82572	0.83		
2806240005_1/2	06/24/08	10:44	2	4.3235	4.3		
2806240010_1/2	06/24/08	10:57	2	.03040297	ND		
2806240003_1/2	06/24/08	11:10	2	5.1975	5.2		
2806240008_1/2	06/24/08	11:23	2	0	ND		
2806240011	06/24/08	11:36	2	1.4608	1.5		
2806240011MS	06/24/08	11:49	2	4.2044	4.2	[~~2.744~~]	109%
2806240011MSD	06/24/08	12:02	2	4.2578	4.26	[~~2.797~~]	111%
2806240011T	06/24/08	12:02	2		2.50	80 - 112	
MCV	06/24/08	12:15	1	2.0530	2.05	90-110	102%
CCB	06/24/08	12:28	1	0	ND		
2806230261_1/2	06/24/08	12:41	2	7.3654	7.4		
2806230098_1/2	06/24/08	12:54	2	3.5984	3.6		
2806230100_1/2	06/24/08	13:07	2	1.1162	1.1		
2806230099_1/2	06/24/08	13:20	2	2.0491	2.0		
2806240007_1/2	06/24/08	13:33	2	20.596	21		

+ve 1.25

1.372

1.3985

File ID: 062408BN NO3

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
2806240006_1/2	06/24/08	13:46	2	1.5484	1.5		
2806240002_1/2	06/24/08	13:59	2	.25747	0.26		
2806240004_1/2	06/24/08	14:11	2	4.1215	4.1		
2806230262_1/2	06/24/08	14:24	2	7.3824	7.4	1.2915	
2806230263	06/24/08	14:37	2	.77924	0.78		
2806230263MS	06/24/08	14:50	2	3.5624	3.56	~~[2.783]~~	111%
HCV2	06/24/08	15:03	1	8.3789	8.38	90-110	104%
HCV1	06/24/08	15:16	1	5.2716	5.27	90-110	105%
MCV	06/24/08	15:29	1	2.0522	2.05	90-110	102%
CCB	06/24/08	15:42	1	0	ND		
LOWRL	06/24/08	15:55	1	.01345791	ND		
MRL	06/24/08	16:08	1	.05057092	.05	50-150	101%
MBLK	06/24/08	16:21	1	0	ND		
LCS	06/24/08	16:34	1	2.5201	2.52	90-110	100%
LCSD	06/24/08	16:47	1	2.5508	2.55	90-110	102%
2806240015_1/2	06/24/08	17:00	2	9.0007	9.0		
2806240013_1/2	06/24/08	17:13	2	6.8828	6.9		
2806240014_1/2	06/24/08	17:26	2	8.3582	8.4		
2806240016_1/2	06/24/08	17:39	2	7.4588	7.5		
2806240540_1/50	06/24/08	17:52	50	~~84.215~~ 13.863 ~~64~~ 14			
2806240538_1/50	06/24/08	18:05	50	0	ND		
2806240582	06/24/08	18:18	1	.17332	0.17		
2806240582MS	06/24/08	18:31	1	.17241	0.172	[-0.001]	-7.25 Q
2806240582MSD	06/24/08	18:44	1	2.8442	2.84	[2.671]	213 Q
2806240582T	06/24/08	18:44	1		1.25	80 - 112	
X2806100748_1/2	06/24/08	18:57	2	12.986	13		
HCV2	06/24/08	19:10	1	8.4118	8.41	90-110	105%
HCV1	06/24/08	19:23	1	5.2718	5.27	90-110	105%
CCB	06/24/08	19:36	1	0	ND		
MCV	06/24/08	20:07	1	2.0585	2.06	90-110	102%
CCB	06/24/08	20:20	1	0	ND		
2806240534_1/2	06/24/08	20:33	2	5.8081	5.8		
2806240541_1/2	06/24/08	20:46	2	5.7685	5.8		
2806240535_1/2	06/24/08	20:59	2	5.7545	5.8		
2806240536_1/2	06/24/08	21:12	2	5.7666	5.8		
2806240529_1/2	06/24/08	21:25	2	5.7917	5.8		
2806240532_1/2	06/24/08	21:38	2	5.7025	5.7		
2806240560_1/2	06/24/08	21:51	2	4.9707	5.0		
2806240553_1/2	06/24/08	22:04	2	5.6889	5.7		
2806240533_1/2	06/24/08	22:17	2	5.7222	5.7		
2806240559	06/24/08	22:30	2	8.2538	8.3		

+/- 1.25

QR

File ID: 062408BN

NO3

Sample ID	Date	Time	Dil	Raw	Rept.	Limit	Comment
						1.4645	Q1R
2806240559MS	06/24/08	22:43	2	11.182	11.2	[~~2.929~~]	117 Q
HCV2	06/24/08	22:56	1	8.4087	8.41	90-110	105%
HCV1	06/24/08	23:09	1	5.2993	5.3	90-110	105%
MCV	06/24/08	23:22	1	2.0448	2.04	90-110	102%
CCB	06/24/08	23:35	1	0	ND		
LOWRL	06/24/08	23:48	1	.009576698	ND		
MRL	06/25/08	00:01	1	.04940387	ND	50-150	98.8%
MBLK	06/25/08	00:14	1	0	ND		
LCS	06/25/08	00:27	1	2.5438	2.54	90-110	101%
LCSD	06/25/08	00:40	1	2.5791	2.58	90-110	103%
2806240558_1/2	06/25/08	00:53	2	5.7007	5.7		
2806250043_1/2	06/25/08	01:06	2	6.9431	6.9		
2806240570_1/2	06/25/08	01:19	2	6.9096	6.9		
2806240577_1/2	06/25/08	01:32	2	6.9841	7.0		
2806240578_1/2	06/25/08	01:45	2	6.9284	6.9		
2806240579_1/2	06/25/08	01:58	2	6.9098	6.9		
2806240580_1/2	06/25/08	02:11	2	6.9257	6.9		
2806240581_1/2	06/25/08	02:24	2	6.9211	6.9		
2806250120_1/2	06/25/08	02:37	2	2.9172	2.9		
2806250117	06/25/08	02:50	2	2.9108	2.9		
2806250117MS	06/25/08	03:03	2	5.7837	5.78	[~~2.873~~]	114
2806250117MSD	06/25/08	03:16	2	5.6099	5.61	[~~2.699~~]	107%
2806250117T	06/25/08	03:16	2		2.50	80 - 112	
MCV	06/25/08	03:29	1	2.0730	2.07	90-110	103%
CCB	06/25/08	03:43	1	0	ND		
2806240508_1/2	06/25/08	03:57	2	11.881	12		
2806240582	06/25/08	04:10	1	.17351	0.17		
2806240665_1/2	06/25/08	04:23	2	11.903	12		
2806240667_1/2	06/25/08	04:36	2	11.919	12		
2806240669_1/2	06/25/08	04:49	2	6.0301	6.0		
2806240670_1/2	06/25/08	05:02	2	4.3808	4.4		
2806240671_1/2	06/25/08	05:15	2	4.6402	4.6		
2806250203_1/2	06/25/08	05:28	2	4.1988	4.2		
2806240672_1/2	06/25/08	05:41	2	3.6586	3.7		
2806240676	06/25/08	05:54	2	4.8966	4.9		
2806240676MS	06/25/08	06:07	2	7.6984	7.7	[~~2.802~~]	112
HCV2	06/25/08	06:20	1	8.5145	8.51	90-110	106%
HCV1	06/25/08	06:33	1	5.3046	5.3	90-110	106%
CCB	06/25/08	06:46	1	0	ND		
			0	N/A	ND		

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,	06/17/08 08:15,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
2,	AUTOCAL2,	06/17/08 08:28,	1.0,	0.153630546,	0.011493944,	0.0161578,	0.23673771,
3,	AUTOCAL3,	06/17/08 08:41,	1.0,	0.218119605,	0.023039733,	0.0230907,	0.45821987,
4,	AUTOCAL4,	06/17/08 08:54,	1.0,	0.423566707,	0.046008462,	0.0440597,	0.94712747,
5,	AUTOCAL5,	06/17/08 09:07,	1.0,	0.84900465,	0.088519103,	0.0995125,	1.90242217,
6,	AUTOCAL6,	06/17/08 09:20,	1.0,	1.663084608,	0.187432292,	0.1886758,	3.66277625,
7,	AUTOCAL7,	06/17/08 09:33,	1.0,	4.514806971,	0.467485594,	0.4854206,	9.67483388,
8,	AUTOCAL8,	06/17/08 09:46,	1.0,	9.547467347,	0.923331517,	0.9687239,	19.5753452,
9,	AUTOCAL9,	06/17/08 09:59,	1.0,	25.46095211,	2.449237117,	2.4839645,	50.3932587,
10,	AUTOCAL10,	06/17/08 10:12,	1.0,	49.91986452,	5.068303579,	5.0239544,	99.9323379,
11,	AUTOCAL11,	06/17/08 10:25,	1.0,	91.35546018,	9.987949074,	9.9959177,	184.944309,
12,	20 PPM,	06/24/08 06:50,	1.0,	159.5194502,	n.a.,	18.851137,	330.796444,
13,	HCV2,	06/24/08 07:03,	1.0,	77.44889793,	8.175712097,	8.1936456,	156.531982,
14,	HCV1,	06/24/08 07:16,	1.0,	51.22009181,	5.176017696,	5.1794103,	102.655669,
15,	MCV,	06/24/08 07:28,	1.0,	20.6427961,	1.975366371,	2.0083125,	40.92558,
16,	CCB,	06/24/08 08:21,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
17,	LOWRL,	06/24/08 08:34,	1.0,	0.140279076,	0.012720215,	0.0133335,	0.23729975,
18,	MRL,	06/24/08 08:47,	1.0,	0.64973022,	0.048333192,	0.0488278,	0.93983243,
19,	MBLK,	06/24/08 09:00,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
20,	LCS,	06/24/08 09:13,	1.0,	25.46083392,	0.918320973,	2.4105091,	51.01458,
21,	LCSD,	06/24/08 09:26,	1.0,	26.58010211,	0.958306527,	2.5343227,	53.1790988,
22,	2806230228 _1/2,	06/24/08 09:39,	2.0,	29.93558149,	n.a.,	5.7778178,	75.7376409,
23,	2806230230_1/2,	06/24/08 09:52,	2.0,	29.52112632,	n.a.,	5.7566034,	75.1963256,
24,	2806230247_1/2,	06/24/08 10:05,	2.0,	9.362701255,	n.a.,	7.968235,	44.72240,
25,	2806240009_1/2,	06/24/08 10:18,	2.0,	53.84509744,	n.a.,	8.7384252,	0.10959859,
26,	2806240012_1/2,	06/24/08 10:31,	2.0,	85.40074066,	n.a.,	0.8257283,	54.5894352,
27,	2806240005_1/2,	06/24/08 10:44,	2.0,	6.883557583,	n.a.,	4.3235057,	26.8406065,
28,	2806240010_1/2,	06/24/08 10:57,	2.0,	94.74279013,	n.a.,	0.030403,	n.a.,
29,	2806240003_1/2,	06/24/08 11:10,	2.0,	6.6957423,	n.a.,	5.1975242,	18.300699,
30,	2806240008_1/2,	06/24/08 11:23,	2.0,	115.0693794,	n.a.,	n.a.,	n.a.,
31,	2806240011,	06/24/08 11:36,	2.0,	99.38006021,	n.a.,	1.4608881,	1.291008,
32,	2806240011MS,	06/24/08 11:49,	2.0,	122.11471,	0.953826779,	4.2044849,	58.02760,
33,	2806240011MSD,	06/24/08 12:02,	2.0,	122.4477823,	0.951759933,	4.2578918,	59.22679,
34,	MCV,	06/24/08 12:15,	1.0,	20.99073658,	2.001967851,	2.0530967,	41.61833,
35,	CCB,	06/24/08 12:28,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
36,	2806230261_1/2,	06/24/08 12:41,	2.0,	96.90258074,	n.a.,	7.3654035,	159.428543,
37,	2806230098 _1/2,	06/24/08 12:54,	2.0,	66.41962755,	n.a.,	3.5984972,	68.23922,
38,	2806230100_1/2,	06/24/08 13:07,	2.0,	186.8561353,	n.a.,	1.1162097,	n.a.,
39,	2806230099_1/2,	06/24/08 13:20,	2.0,	176.1740931,	n.a.,	2.049167,	0.0614891,
40,	2806240007_1/2,	06/24/08 13:33,	2.0,	14.60235027,	n.a.,	20.596358,	61.5813424,
41,	2806240006_1/2,	06/24/08 13:46,	2.0,	48.60278231,	n.a.,	1.5484645,	41.9936761,
42,	2806240002_1/2,	06/24/08 13:59,	2.0,	2.280569903,	n.a.,	0.2574727,	19.9937827,
43,	2806240004_1/2,	06/24/08 14:11,	2.0,	6.730182681,	n.a.,	4.1215515,	26.5373327,
44,	2806230262_1/2,	06/24/08 14:24,	2.0,	95.60862377,	n.a.,	7.3824051,	157.7256,

45,	2806230263,	06/24/08 14:37,	2.0,	77.08268235,	n.a.,	0.7792488,	54.96790
46,	2806230263MS,	06/24/08 14:50,	2.0,	102.3960419,	0.908673009,	3.5624944,	111.9081
47,	HCV2,	06/24/08 15:03,	1.0,	78.49075925,	8.307621184,	8.3789775,	158.268
48,	HCV1,	06/24/08 15:16,	1.0,	51.98179131,	5.24775684,	5.271637,	104.036
49,	MCV,	06/24/08 15:29,	1.0,	21.08330585,	2.002997866,	2.0522672,	41.791693
50,	CCB,	06/24/08 15:42,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
51,	LOWRL,	06/24/08 15:55,	1.0,	0.180652601,	0.011505767,	0.0134579,	0.30160803,
52,	MRL,	06/24/08 16:08,	1.0,	0.48890089,	0.046080542,	0.0505709,	0.954524
53,	MBLK,	06/24/08 16:21,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
54,	LCS,	06/24/08 16:34,	1.0,	26.41158971,	0.961038581,	2.5201024,	52.758990
55,	LCSD,	06/24/08 16:47,	1.0,	26.90521232,	0.956490774,	2.550879,	53.77551
56,	2806240015_1/2,	06/24/08 17:00,	2.0,	36.76147457,	n.a.,	9.0007684,	71.50267
57,	2806240013_1/2,	06/24/08 17:13,	2.0,	32.51932636,	n.a.,	6.8828753,	60.12100
58,	2806240014_1/2,	06/24/08 17:26,	2.0,	36.16255825,	n.a.,	8.3582323,	63.67371
59,	2806240016_1/2,	06/24/08 17:39,	2.0,	33.32127075,	n.a.,	7.4588731,	60.12639
60,	2806240540_1/50,	06/24/08 17:52,	50.0,	2234.370025,	0.520224608,	64.215430,	1733.258
61,	2806240538_1/50,	06/24/08 18:05,	50.0,	2482.33513,	n.a.,	n.a.,	1639.7585
62,	2806240582,	06/24/08 18:18,	1.0,	8.108985922,	n.a.,	0.1733222,	1.6429382
63,	2806240582MS,	06/24/08 18:31,	1.0,	8.071844633,	0.48889237,	0.1724155,	1.7262409
64,	2806240582MSD,	06/24/08 18:44,	1.0,	37.11541557,	0.490110605,	2.844251,	59.18725
65,	X2806100748_1/2,	06/24/08 18:57,	2.0,	46.51895121,	n.a.,	12.986057,	59.6877753,
66,	HCV2,	06/24/08 19:10,	1.0,	78.59152925,	8.319618377,	8.4118971,	158.7214
67,	HCV1,	06/24/08 19:23,	1.0,	51.80585617,	5.262170973,	5.2718311,	103.8699
68,	CCB,	06/24/08 19:36,	1.0,	0.009022676,	n.a.,	n.a.,	n.a.,
69,	MCV,	06/24/08 20:07,	1.0,	21.13202486,	1.998041394,	2.0585581,	41.96460
70,	CCB,	06/24/08 20:20,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
71,	2806240534_1/2,	06/24/08 20:33,	2.0,	29.5352287,	n.a.,	5.8081429,	76.11109
72,	2806240541_1/2,	06/24/08 20:46,	2.0,	29.55707778,	n.a.,	5.7685175,	75.37728
73,	2806240535_1/2,	06/24/08 20:59,	2.0,	29.40312114,	n.a.,	5.7545862,	75.32196
74,	2806240536_1/2,	06/24/08 21:12,	2.0,	29.40054245,	n.a.,	5.7666279,	75.53300
75,	2806240529_1/2,	06/24/08 21:25,	2.0,	29.55141055,	n.a.,	5.791725,	75.78338
76,	2806240532_1/2,	06/24/08 21:38,	2.0,	29.51180111,	n.a.,	5.7025745,	75.05041
77,	2806240560_1/2,	06/24/08 21:51,	2.0,	23.18487731,	n.a.,	4.9707794,	83.5745517,
78,	2806240553_1/2,	06/24/08 22:04,	2.0,	28.78516914,	n.a.,	5.6889944,	75.09034
79,	2806240533_1/2,	06/24/08 22:17,	2.0,	29.13041477,	n.a.,	5.7222495,	75.43831
80,	2806240559,	06/24/08 22:30,	2.0,	57.1117468,	n.a.,	8.253861,	70.46299
81,	2806240559MS,	06/24/08 22:43,	2.0,	86.14410588,	1.083950929,	11.182576,	131.8300
82,	HCV2,	06/24/08 22:56,	1.0,	78.471417,	8.2879303,	8.4087734,	158.5393
83,	HCV1,	06/24/08 23:09,	1.0,	52.12621249,	5.273962643,	5.2993879,	104.3449
84,	MCV,	06/24/08 23:22,	1.0,	20.90632358,	1.994710428,	2.0448824,	41.54555
85,	CCB,	06/24/08 23:35,	1.0,	0.023122228,	n.a.,	n.a.,	n.a.,
86,	LOWRL,	06/24/08 23:48,	1.0,	0.182366847,	0.013521071,	0.0095767,	0.266992
87,	MRL,	06/25/08 00:01,	1.0,	0.44546671,	0.046356307,	0.0494039,	1.00657
88,	MBLK,	06/25/08 00:14,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,
89,	LCS,	06/25/08 00:27,	1.0,	26.63345778,	0.962818423,	2.5438003,	53.21254
90,	LCSD,	06/25/08 00:40,	1.0,	26.95661584,	0.958510782,	2.5791967,	53.93101
91,	2806240558_1/2,	06/25/08 00:53,	2.0,	25.10602505,	n.a.,	5.7007249,	68.49223
92,	2806250043_1/2,	06/25/08 01:06,	2.0,	16.92944259,	n.a.,	6.9431181,	94.53188

93,	2806240570_1/2,	06/25/08 01:19,	2.0,	16.09928047,	n.a.,	6.909631,	94.5034032,
94,	2806240577_1/2,	06/25/08 01:32,	2.0,	16.18446232,	n.a.,	6.9841609,	94.89821[illegible],
95,	2806240578_1/2,	06/25/08 01:45,	2.0,	16.1317945,	n.a.,	6.9284485,	94.57587[illegible],
96,	2806240579_1/2,	06/25/08 01:58,	2.0,	16.13212264,	n.a.,	6.9098217,	94.79155[illegible],
97,	2806240580_1/2,	06/25/08 02:11,	2.0,	16.17730512,	n.a.,	6.9257968,	94.7109172,
98,	2806240581_1/2,	06/25/08 02:24,	2.0,	16.17916401,	n.a.,	6.9211454,	94.7395258,
99,	2806250120_1/2,	06/25/08 02:37,	2.0,	77.47252788,	n.a.,	2.9172103,	122.8926[illegible],
100,	2806250117,	06/25/08 02:50,	2.0,	90.603804,	n.a.,	2.9108642,	122.126038,
101,	2806250117MS,	06/25/08 03:03,	2.0,	116.23212,	0.968114173,	5.7837188,	178.3385,
102,	28062501[illegible]7MSD,	06/25/08 03:16,	2.0,	114.9968577,	0.940990393,	5.6099902,	175.4664[illegible],
103,	MCV,	06/25/08 03:29,	1.0,	21.15432441,	2.020275049,	2.0730506,	42.06165[illegible]4,
104,	CCB,	06/25/08 03:43,	1.0,	0.047479464,	n.a.,	n.a.,	n.a.,
105,	2806240508_1/2,	06/25/08 03:57,	2.0,	78.78235265,	n.a.,	11.881037,	42.51077[illegible]3,
106,	x2806240582,	06/25/08 04:10,	1.0,	8.128745566,	n.a.,	0.1735152,	1.750917[illegible]3,
107,	2806240665_1/2,	06/25/08 04:23,	2.0,	31.10601613,	n.a.,	11.903714,	64.51183[illegible]1,
108,	2806240667_1/2,	06/25/08 04:36,	2.0,	31.15262393,	n.a.,	11.919477,	64.51394[illegible]2,
109,	2806240669_1/2,	06/25/08 04:49,	2.0,	52.05599647,	n.a.,	6.0301307,	49.86740[illegible]9,
110,	2806240670_1/2,	06/25/08 05:02,	2.0,	59.36018287,	n.a.,	4.3808531,	46.85008[illegible]8,
111,	2806240671_1/2,	06/25/08 05:15,	2.0,	66.39930288,	n.a.,	4.6402076,	43.65453[illegible]8,
112,	2806250203_1/2,	06/25/08 05:28,	2.0,	33.07464985,	n.a.,	4.198854,	76.713888,
113,	2806240672_1/2,	06/25/08 05:41,	2.0,	52.68546632,	n.a.,	3.658674,	44.542423,
114,	2806240676,	06/25/08 05:54,	2.0,	25.70779519,	n.a.,	4.8966666,	50.65804[illegible]3,
115,	2806240676MS,	06/25/08 06:07,	2.0,	55.52558067,	1.005029221,	7.6984988,	109.2163[illegible]5,
116,	HCV2,	06/25/08 06:20,	1.0,	79.52379697,	8.319754015,	8.5145783,	160.3264[illegible]7,
117,	HCV1,	06/25/08 06:33,	1.0,	51.99067786,	5.268355719,	5.304603,	104.1766[illegible]7,
118,	CCB,	06/25/08 06:46,	1.0,	n.a.,	n.a.,	n.a.,	n.a.,

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Title:
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC7_anions spare\2008\June
Timebase: IC7
#Samples: 118
Created: 6/23/2008 7:11:46 AM by sxk
(Modified, not saved)

No.	Name	Sample ID	Dil. Factor	Type	Program
1	AUTOCAL1	DiH2O	1.0000	Standard	IC7-ANIONS PROGRAM
2	AUTOCAL2	SXK080528-1	1.0000	Standard	IC7-ANIONS PROGRAM
3	AUTOCAL3	SXK080528-2	1.0000	Standard	IC7-ANIONS PROGRAM
4	AUTOCAL4	SXK080528-3	1.0000	Standard	IC7-ANIONS PROGRAM
5	AUTOCAL5	SXK080528-4	1.0000	Standard	IC7-ANIONS PROGRAM
6	AUTOCAL6	SXK080528-5	1.0000	Standard	IC7-ANIONS PROGRAM
7	AUTOCAL7	SXK080528-6	1.0000	Standard	IC7-ANIONS PROGRAM
8	AUTOCAL8	SXK080528-7	1.0000	Standard	IC7-ANIONS PROGRAM
9	AUTOCAL9	SXK080528-8	1.0000	Standard	IC7-ANIONS PROGRAM
10	AUTOCAL10	SXK080528-9	1.0000	Standard	IC7-ANIONS PROGRAM
11	AUTOCAL11	SXK080528-10	1.0000	Standard	IC7-ANIONS PROGRAM
12	20 PPM		1.0000	Unknown	IC7-ANIONS PROGRAM
13	HCV2		1.0000	Unknown	IC7-ANIONS PROGRAM
14	HCV1		1.0000	Unknown	IC7-ANIONS PROGRAM
15	MCV		1.0000	Unknown	IC7-ANIONS PROGRAM
16	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
17	LOWRL		1.0000	Unknown	IC7-ANIONS PROGRAM
18	MRL		1.0000	Unknown	IC7-ANIONS PROGRAM
19	MBLK		1.0000	Unknown	IC7-ANIONS PROGRAM
20	LCS		1.0000	Unknown	IC7-ANIONS PROGRAM
21	LCSD		1.0000	Unknown	IC7-ANIONS PROGRAM
22	2806230228 _1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
23	2806230230_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
24	2806230247_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
25	2806240009_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
26	2806240012_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
27	280624C005_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
28	2806240010_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
29	2806240003_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
30	2806240008_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
31	2806240011	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
32	2806240011MS	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
33	2806240011MSD	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
34	MCV		1.0000	Unknown	IC7-ANIONS PROGRAM
35	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
36	2806230261_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
37	2806230098 _1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
38	2806230100_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
39	2806230099_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
40	2806240007_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
41	2806240006_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
42	2806240002_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM

Title:
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC7_anions spare\2008\June
Timebase: IC7
#Samples: 118
Created: 6/23/2008 7:11:46 AM by sxk
(Modified, not saved)

No.	Name	Method	Status	Comment	Inj. Date/Time	*Analyst
1	AUTOCAL1	ANION-IC#7	Finished		6/17/2008 8:15:35 AM	sxk
2	AUTOCAL2	ANION-IC#7	Finished		6/17/2008 8:28:36 AM	sxk
3	AUTOCAL3	ANION-IC#7	Finished		6/17/2008 8:41:42 AM	sxk
4	AUTOCAL4	ANION-IC#7	Finished		6/17/2008 8:54:42 AM	sxk
5	AUTOCAL5	ANION-IC#7	Finished		6/17/2008 9:07:41 AM	sxk
6	AUTOCAL6	ANION-IC#7	Finished		6/17/2008 9:20:41 AM	sxk
7	AUTOCAL7	ANION-IC#7	Finished		6/17/2008 9:33:40 AM	sxk
8	AUTOCAL8	ANION-IC#7	Finished		6/17/2008 9:46:52 AM	sxk
9	AUTOCAL9	ANION-IC#7	Finished		6/17/2008 9:59:53 AM	sxk
10	AUTOCAL10	ANION-IC#7	Finished		6/17/2008 10:12:54 AM	sxk
11	AUTOCAL11	ANION-IC#7	Finished		6/17/2008 10:25:54 AM	sxk
12	20 PPM	ANION-IC#7	Finished		6/24/2008 6:50:03 AM	sxk
13	HCV2	ANION-IC#7	Finished		6/24/2008 7:03:01 AM	sxk
14	HCV1	ANION-IC#7	Finished		6/24/2008 7:16:00 AM	sxk
15	MCV	ANION-IC#7	Finished		6/24/2008 7:28:58 AM	sxk
16	CCB	ANION-IC#7	Finished		6/24/2008 8:21:42 AM	sxk
17	LOWRL	ANION-IC#7	Finished		6/24/2008 8:34:41 AM	sxk
18	MRL	ANION-IC#7	Finished		6/24/2008 8:47:39 AM	sxk
19	MBLK	ANION-IC#7	Finished		6/24/2008 9:00:38 AM	sxk
20	LCS	ANION-IC#7	Finished	R201756	6/24/2008 9:13:36 AM	sxk
21	LCSD	ANION-IC#7	Finished	R201756	6/24/2008 9:26:34 AM	sxk
22	2806230228 _1/2	ANION-IC#7	Finished		6/24/2008 9:39:32 AM	sxk
23	2806230230_1/2	ANION-IC#7	Finished		6/24/2008 9:52:30 AM	sxk
24	2806230247_1/2	ANION-IC#7	Finished		6/24/2008 10:05:28 AM	sxk
25	2806240009_1/2	ANION-IC#7	Finished		6/24/2008 10:18:26 AM	sxk
26	2806240012_1/2	ANION-IC#7	Finished		6/24/2008 10:31:25 AM	sxk
27	2806240005_1/2	ANION-IC#7	Finished		6/24/2008 10:44:23 AM	sxk
28	2806240010_1/2	ANION-IC#7	Finished		6/24/2008 10:57:23 AM	sxk
29	2806240003_1/2	ANION-IC#7	Finished		6/24/2008 11:10:21 AM	sxk
30	2806240008_1/2	ANION-IC#7	Finished	DNR CL	6/24/2008 11:23:19 AM	sxk
31	2806240011	ANION-IC#7	Finished		6/24/2008 11:36:17 AM	sxk
32	2806240011MS	ANION-IC#7	Finished		6/24/2008 11:49:15 AM	sxk
33	2806240011MSD	ANION-IC#7	Finished		6/24/2008 12:02:13 PM	sxk
34	MCV	ANION-IC#7	Finished		6/24/2008 12:15:12 PM	sxk
35	CCB	ANION-IC#7	Finished		6/24/2008 12:28:11 PM	sxk
36	2806230261_1/2	ANION-IC#7	Finished		6/24/2008 12:41:11 PM	sxk
37	2806230098 _1/2	ANION-IC#7	Finished		6/24/2008 12:54:09 PM	sxk
38	2806230100_1/2	ANION-IC#7	Finished	DNR CL	6/24/2008 1:07:08 PM	sxk
39	2806230099_1/2	ANION-IC#7	Finished	DNR CL	6/24/2008 1:20:06 PM	sxk
40	2806240007_1/2	ANION-IC#7	Finished		6/24/2008 1:33:04 PM	sxk
41	2806240006_1/2	ANION-IC#7	Finished		6/24/2008 1:46:02 PM	sxk
42	2806240002_1/2	ANION-IC#7	Finished		6/24/2008 1:59:00 PM	sxk

Title:
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC7_anions spare\2008\June
Timebase: IC7
#Samples: 118
Created: 6/23/2008 7:11:46 AM by sxk
(Modified, not saved)

No.	Name	Sample ID	Dil. Factor	Type	Program
43	2806240004_1/2	[redacted]6 15TH ST RE_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
44	2806230262_1/2	[redacted]014_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
45	2806230263	[redacted]044_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
46	2806230263MS	[redacted]4_1/2MS	2.0000	Unknown	IC7-ANIONS PROGRAM
47	HCV2		1.0000	Unknown	IC7-ANIONS PROGRAM
48	HCV1		1.0000	Unknown	IC7-ANIONS PROGRAM
49	MCV		1.0000	Unknown	IC7-ANIONS PROGRAM
50	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
51	LOWRL		1.0000	Unknown	IC7-ANIONS PROGRAM
52	MRL		1.0000	Unknown	IC7-ANIONS PROGRAM
53	MBLK		1.0000	Unknown	IC7-ANIONS PROGRAM
54	LCS		1.0000	Unknown	IC7-ANIONS PROGRAM
55	LCSD		1.0000	Unknown	IC7-ANIONS PROGRAM
56	2806240015_1/2	[redacted]3_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
57	2806240013_1/2	[redacted]HT ST_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
58	2806240014_1/2	[redacted]1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
59	2806240016_1/2	[redacted]KS_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
60	2806240540_1/50	KMG INFLUENT_1/50	50.0000	Unknown	IC7-ANIONS PROGRAM
61	2806240538_1/50	KMG EFFLUENT_1/50	50.0000	Unknown	IC7-ANIONS PROGRAM
62	2806240582	[redacted]65-003	1.0000	Unknown	IC7-ANIONS PROGRAM
63	2806240582MS	[redacted]5-003MS	1.0000	Unknown	IC7-ANIONS PROGRAM
64	2806240582MSD	[redacted]65-003MSD	1.0000	Unknown	IC7-ANIONS PROGRAM
65	X2806100748_1/2	[redacted]008_1/2	2.0000	Unknown	IC7-ANIONS PROGRAM
66	HCV2		1.0000	Unknown	IC7-ANIONS PROGRAM
67	HCV1		1.0000	Unknown	IC7-ANIONS PROGRAM
68	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
69	MCV		1.0000	Unknown	IC7-ANIONS PROGRAM
70	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
71	2806240534_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
72	2806240541_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
73	2806240535_1/2	[redacted]X	2.0000	Unknown	IC7-ANIONS PROGRAM
74	2806240536_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
75	2806240529_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
76	2806240532_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
77	2806240560_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
78	2806240553_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
79	2806240533_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
80	2806240559	[redacted]X	2.0000	Unknown	IC7-ANIONS PROGRAM
81	2806240559MS	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
82	HCV2		1.0000	Unknown	IC7-ANIONS PROGRAM
83	HCV1		1.0000	Unknown	IC7-ANIONS PROGRAM
84	MCV		1.0000	Unknown	IC7-ANIONS PROGRAM

Title:
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC7_anions spare\2008\June
Timebase: IC7
#Samples: 118
Created: 6/23/2008 7:11:46 AM by sxk
(Modified, not saved)

No.	Name	Method	Status	Comment	Inj. Date/Time	*Analyst
43	2806240004_1/2	ANION-IC#7	Finished		6/24/2008 2:11:58 PM	sxk
44	2806230262_1/2	ANION-IC#7	Finished		6/24/2008 2:24:56 PM	sxk
45	2806230263	ANION-IC#7	Finished		6/24/2008 2:37:54 PM	sxk
46	2806230263MS	ANION-IC#7	Finished		6/24/2008 2:50:52 PM	sxk
47	HCV2	ANION-IC#7	Finished		6/24/2008 3:03:51 PM	sxk
48	HCV1	ANION-IC#7	Finished		6/24/2008 3:16:49 PM	sxk
49	MCV	ANION-IC#7	Finished		6/24/2008 3:29:47 PM	sxk
50	CCB	ANION-IC#7	Finished		6/24/2008 3:42:45 PM	sxk
51	LOWRL	ANION-IC#7	Finished		6/24/2008 3:55:43 PM	sxk
52	MRL	ANION-IC#7	Finished		6/24/2008 4:08:42 PM	sxk
53	MBLK	ANION-IC#7	Finished		6/24/2008 4:21:40 PM	sxk
54	LCS	ANION-IC#7	Finished		6/24/2008 4:34:38 PM	sxk
55	LCSD	ANION-IC#7	Finished		6/24/2008 4:47:37 PM	sxk
56	2806240015_1/2	ANION-IC#7	Finished		6/24/2008 5:00:35 PM	sxk
57	2806240013_1/2	ANION-IC#7	Finished		6/24/2008 5:13:33 PM	sxk
58	2806240014_1/2	ANION-IC#7	Finished		6/24/2008 5:26:31 PM	sxk
59	2806240016_1/2	ANION-IC#7	Finished		6/24/2008 5:39:31 PM	sxk
60	2806240540_1/50	ANION-IC#7	Finished		6/24/2008 5:52:29 PM	sxk
61	2806240538_1/50	ANION-IC#7	Finished		6/24/2008 6:05:27 PM	sxk
62	2806240582	ANION-IC#7	Finished		6/24/2008 6:18:25 PM	sxk
63	2806240582MS	ANION-IC#7	Finished		6/24/2008 6:31:25 PM	sxk
64	2806240582MSD	ANION-IC#7	Finished		6/24/2008 6:44:24 PM	sxk
65	X2806100748_1/2	ANION-IC#7	Finished	VERIFICATION BY TLH	6/24/2008 6:57:24 PM	sxk
66	HCV2	ANION-IC#7	Finished		6/24/2008 7:10:25 PM	sxk
67	HCV1	ANION-IC#7	Finished		6/24/2008 7:23:25 PM	sxk
68	CCB	ANION-IC#7	Finished		6/24/2008 7:36:24 PM	sxk
69	MCV	ANION-IC#7	Finished		6/24/2008 8:07:18 PM	sxk
70	CCB	ANION-IC#7	Finished		6/24/2008 8:20:17 PM	sxk
71	2806240534_1/2	ANION-IC#7	Finished		6/24/2008 8:33:17 PM	sxk
72	2806240541_1/2	ANION-IC#7	Finished		6/24/2008 8:46:17 PM	sxk
73	2806240535_1/2	ANION-IC#7	Finished		6/24/2008 8:59:17 PM	sxk
74	2806240536_1/2	ANION-IC#7	Finished		6/24/2008 9:12:17 PM	sxk
75	2806240529_1/2	ANION-IC#7	Finished		6/24/2008 9:25:17 PM	sxk
76	2806240532_1/2	ANION-IC#7	Finished		6/24/2008 9:38:17 PM	sxk
77	2806240560_1/2	ANION-IC#7	Finished		6/24/2008 9:51:17 PM	sxk
78	2806240553_1/2	ANION-IC#7	Finished		6/24/2008 10:04:17 PM	sxk
79	2806240533_1/2	ANION-IC#7	Finished		6/24/2008 10:17:17 PM	sxk
80	2806240559	ANION-IC#7	Finished		6/24/2008 10:30:17 PM	sxk
81	2806240559MS	ANION-IC#7	Finished		6/24/2008 10:43:17 PM	sxk
82	HCV2	ANION-IC#7	Finished		6/24/2008 10:56:17 PM	sxk
83	HCV1	ANION-IC#7	Finished		6/24/2008 11:09:17 PM	sxk
84	MCV	ANION-IC#7	Finished		6/24/2008 11:22:17 PM	sxk

Title:
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC7_anions spare\2008\June
Timebase: IC7
#Samples: 118
Created: 6/23/2008 7:11:46 AM by sxk
(Modified, not saved)

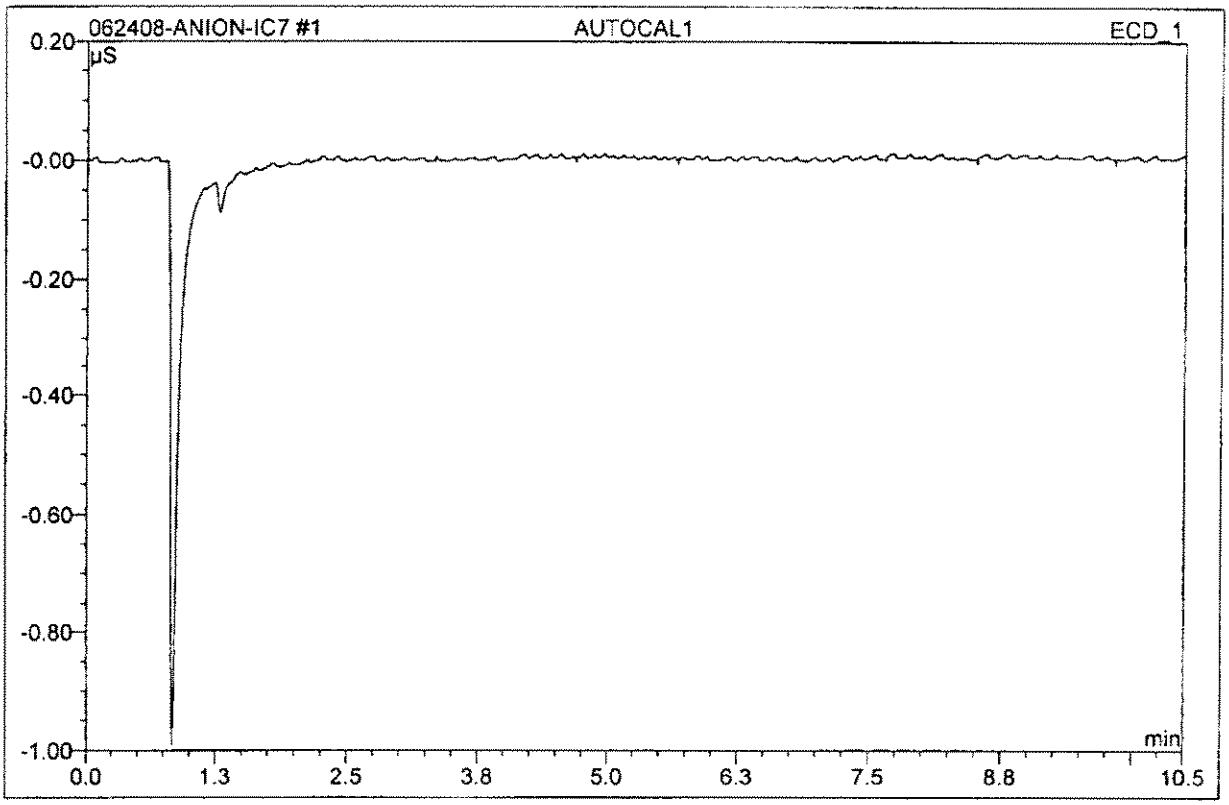
No.	Name	Sample ID	Dil. Factor	Type	Program
85	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
86	LOWRL		1.0000	Unknown	IC7-ANIONS PROGRAM
87	MRL		1.0000	Unknown	IC7-ANIONS PROGRAM
88	MBLK		1.0000	Unknown	IC7-ANIONS PROGRAM
89	LCS		1.0000	Unknown	IC7-ANIONS PROGRAM
90	LCSD		1.0000	Unknown	IC7-ANIONS PROGRAM
91	2806240558_1/2	[redacted]DEL 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
92	2806250043_1/2	[redacted]SP8 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
93	2806240570_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
94	2806240577_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
95	2806240578_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
96	2806240579_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
97	2806240580_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
98	2806240581_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
99	2806250120_1/2	[redacted]	2.0000	Unknown	IC7-ANIONS PROGRAM
100	2806250117	[redacted]LD 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
101	2806250117MS	[redacted]BLD 2X MS	2.0000	Unknown	IC7-ANIONS PROGRAM
102	2806250117MSD	[redacted]BLD 2X MSD	2.0000	Unknown	IC7-ANIONS PROGRAM
103	MCV		1.0000	Unknown	IC7-ANIONS PROGRAM
104	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM
105	2806240508_1/2	[redacted]GOLF COURSE	2.0000	Unknown	IC7-ANIONS PROGRAM
106	x2806240582	[redacted]-003	1.0000	Unknown	IC7-ANIONS PROGRAM
107	2806240665_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
108	2806240667_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
109	2806240669_1/2	[redacted] 2X	2.0000	Unknown	IC7-ANIONS PROGRAM
110	2806240670_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
111	2806240671_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
112	2806250203_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
113	2806240672_1/2	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
114	2806240676	[redacted]2X	2.0000	Unknown	IC7-ANIONS PROGRAM
115	2806240676MS	[redacted]S	2.0000	Unknown	IC7-ANIONS PROGRAM
116	HCV2		1.0000	Unknown	IC7-ANIONS PROGRAM
117	HCV1		1.0000	Unknown	IC7-ANIONS PROGRAM
118	CCB		1.0000	Unknown	IC7-ANIONS PROGRAM

Title:
Datasource: Dionex_USPAS2SDIO2
Location: IC\IC7_anions spare\2008\June
Timebase: IC7
#Samples: 118
Created: 6/23/2008 7:11:46 AM by sxk
(Modified, not saved)

No.	Name	Method	Status	Comment	Inj. Date/Time	*Analyst
85	CCB	ANION-IC#7	Finished		6/24/2008 11:35:17 PM	sxk
86	LOWRL	ANION-IC#7	Finished		6/24/2008 11:48:17 PM	sxk
87	MRL	ANION-IC#7	Finished		6/25/2008 12:01:17 AM	sxk
88	MBLK	ANION-IC#7	Finished		6/25/2008 12:14:17 AM	sxk
89	LCS	ANION-IC#7	Finished		6/25/2008 12:27:17 AM	sxk
90	LCSD	ANION-IC#7	Finished		6/25/2008 12:40:17 AM	sxk
91	2806240558_1/2	ANION-IC#7	Finished		6/25/2008 12:53:17 AM	sxk
92	2806250043_1/2	ANION-IC#7	Finished		6/25/2008 1:06:17 AM	sxk
93	2806240570_1/2	ANION-IC#7	Finished		6/25/2008 1:19:17 AM	sxk
94	2806240577_1/2	ANION-IC#7	Finished		6/25/2008 1:32:17 AM	sxk
95	2806240578_1/2	ANION-IC#7	Finished		6/25/2008 1:45:17 AM	sxk
96	2806240579_1/2	ANION-IC#7	Finished		6/25/2008 1:58:17 AM	sxk
97	2806240580_1/2	ANION-IC#7	Finished		6/25/2008 2:11:17 AM	sxk
98	2806240581_1/2	ANION-IC#7	Finished		6/25/2008 2:24:17 AM	sxk
99	2806250120_1/2	ANION-IC#7	Finished		6/25/2008 2:37:17 AM	sxk
100	2806250117	ANION-IC#7	Finished		6/25/2008 2:50:17 AM	sxk
101	2806250117MS	ANION-IC#7	Finished		6/25/2008 3:03:17 AM	sxk
102	2806250117MSD	ANION-IC#7	Finished		6/25/2008 3:16:17 AM	sxk
103	MCV	ANION-IC#7	Finished		6/25/2008 3:29:17 AM	sxk
104	CCB	ANION-IC#7	Finished		6/25/2008 3:43:58 AM	sxk
105	2806240508_1/2	ANION-IC#7	Finished		6/25/2008 3:57:10 AM	sxk
106	x2806240582	ANION-IC#7	Finished		6/25/2008 4:10:13 AM	sxk
107	2806240665_1/2	ANION-IC#7	Finished		6/25/2008 4:23:15 AM	sxk
108	2806240667_1/2	ANION-IC#7	Finished		6/25/2008 4:36:17 AM	sxk
109	2806240669_1/2	ANION-IC#7	Finished		6/25/2008 4:49:19 AM	sxk
110	2806240670_1/2	ANION-IC#7	Finished		6/25/2008 5:02:20 AM	sxk
111	2806240671_1/2	ANION-IC#7	Finished		6/25/2008 5:15:22 AM	sxk
112	2806250203_1/2	ANION-IC#7	Finished		6/25/2008 5:28:24 AM	sxk
113	2806240672_1/2	ANION-IC#7	Finished		6/25/2008 5:41:26 AM	sxk
114	2806240676	ANION-IC#7	Finished		6/25/2008 5:54:10 AM	sxk
115	2806240676MS	ANION-IC#7	Finished		6/25/2008 6:07:10 AM	sxk
116	HCV2	ANION-IC#7	Finished		6/25/2008 6:20:11 AM	sxk
117	HCV1	ANION-IC#7	Finished		6/25/2008 6:33:12 AM	sxk
118	CCB	ANION-IC#7	Finished		6/25/2008 6:46:14 AM	sxk

1 AUTOCAL1

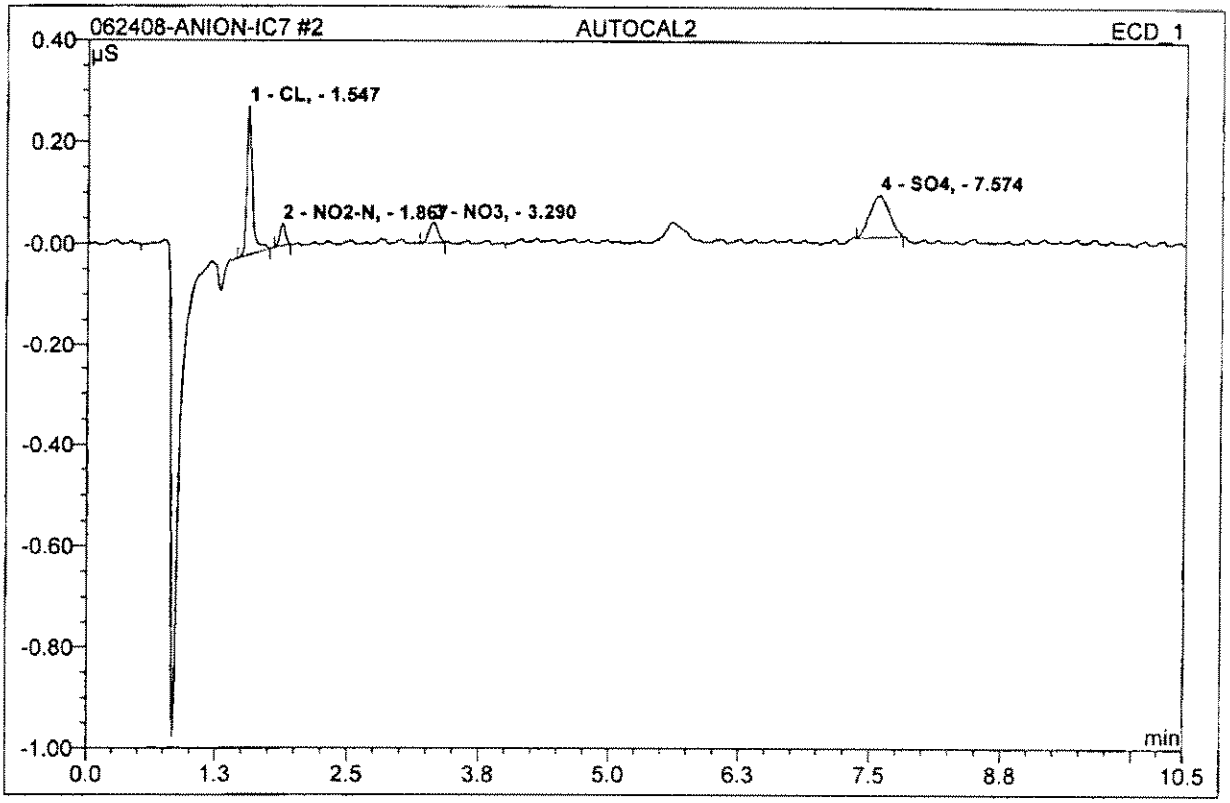
Sample Name:	**AUTOCAL1**	*Injection Volume:*	**500.0**
Vial Number:	**15**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 8:15**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*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

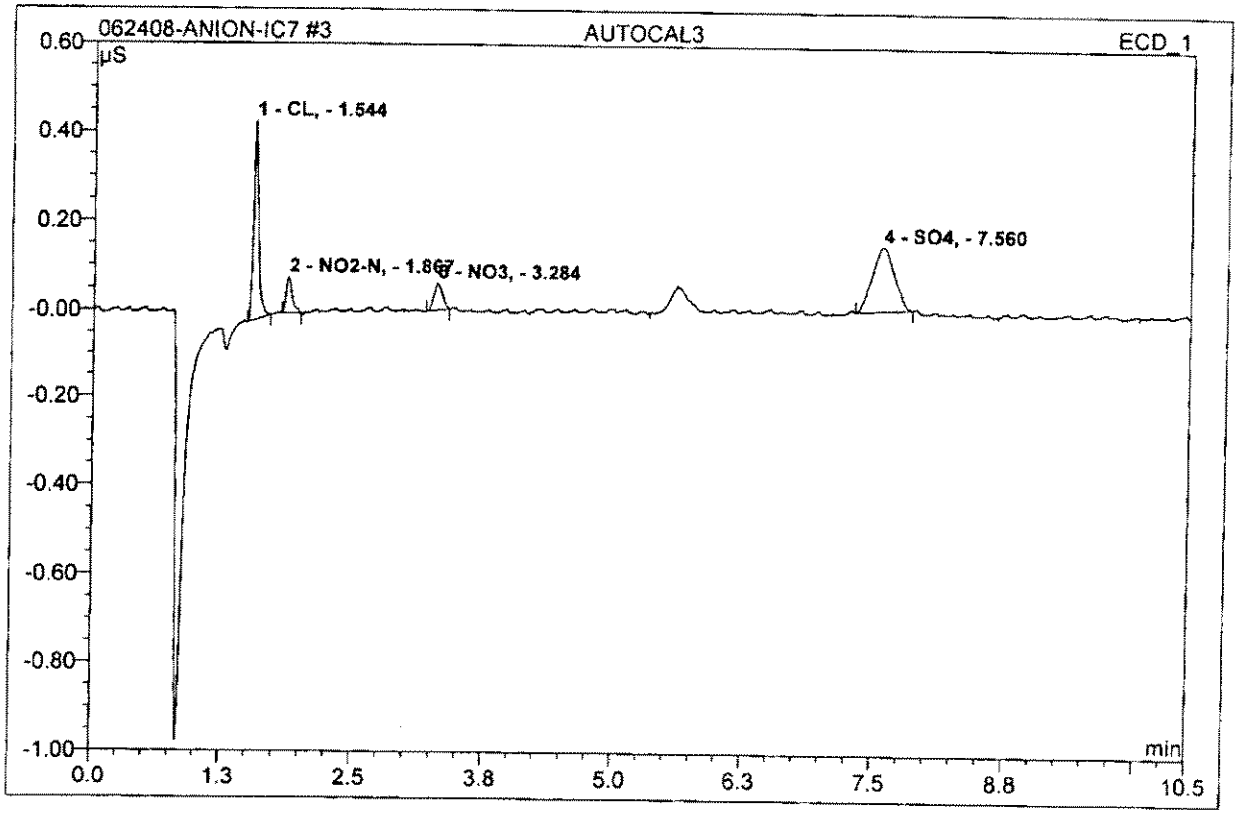
Sample Name:	**AUTOCAL2**	*Injection Volume:*	**500.0**
Vial Number:	**16**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 8:28**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.55	CL,	0.292	0.018	42.17	0.154	BMB
2	1.87	NO2-N,	0.044	0.003	6.27	0.011	BMB
3	3.29	NO3,	0.040	0.004	9.33	0.016	BMB
4	7.57	SO4,	0.084	0.018	42.24	0.237	BMB
Total:			0.460	0.043	100.00	0.418	

3 AUTOCAL3

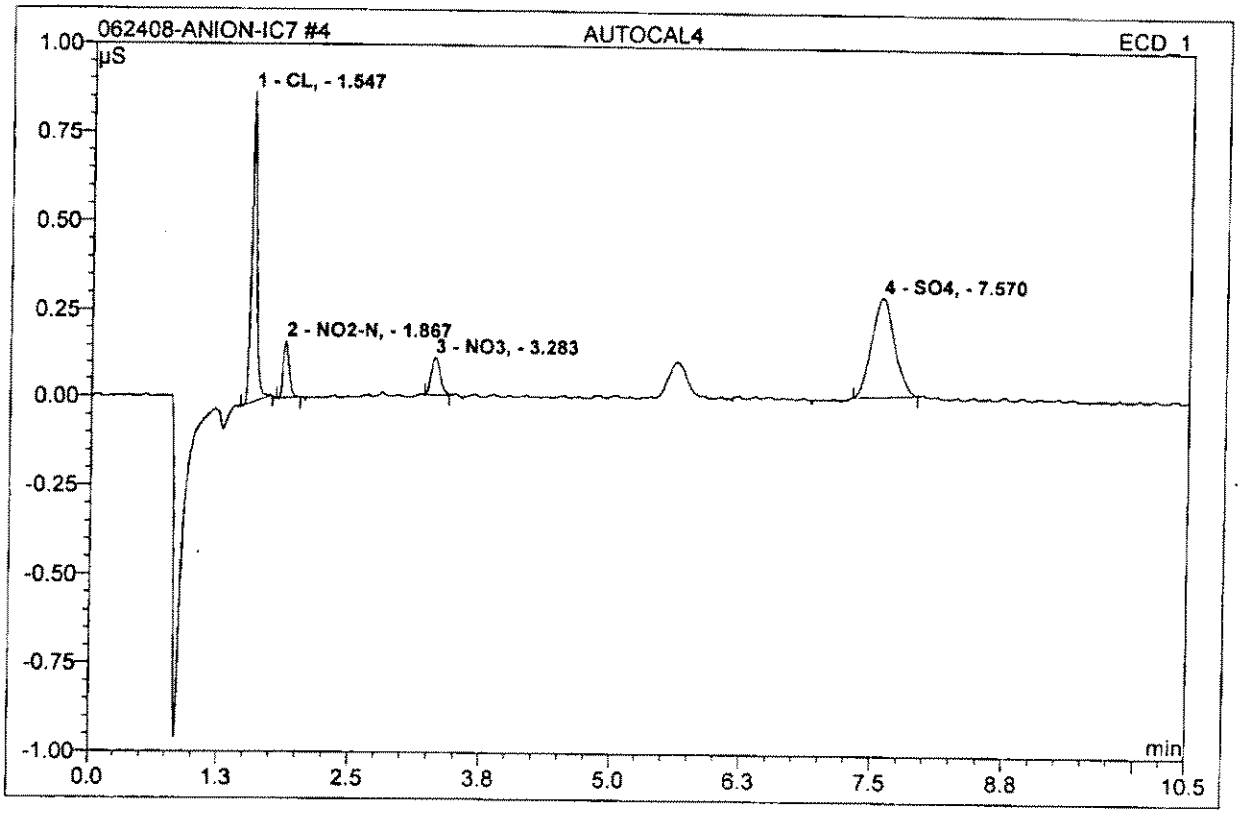
Sample Name:	**AUTOCAL3**	*Injection Volume:*	**500.0**
Vial Number:	**17**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 8:41**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.54	CL,	0.446	0.026	35.74	0.218	BMB
2	1.87	NO2-N,	0.081	0.005	7.50	0.023	BMB
3	3.28	NO3,	0.061	0.006	7.95	0.023	BMB
4	7.56	SO4,	0.145	0.035	48.81	0.458	BMB
Total:			0.733	0.072	100.00	0.722	

4 AUTOCAL4

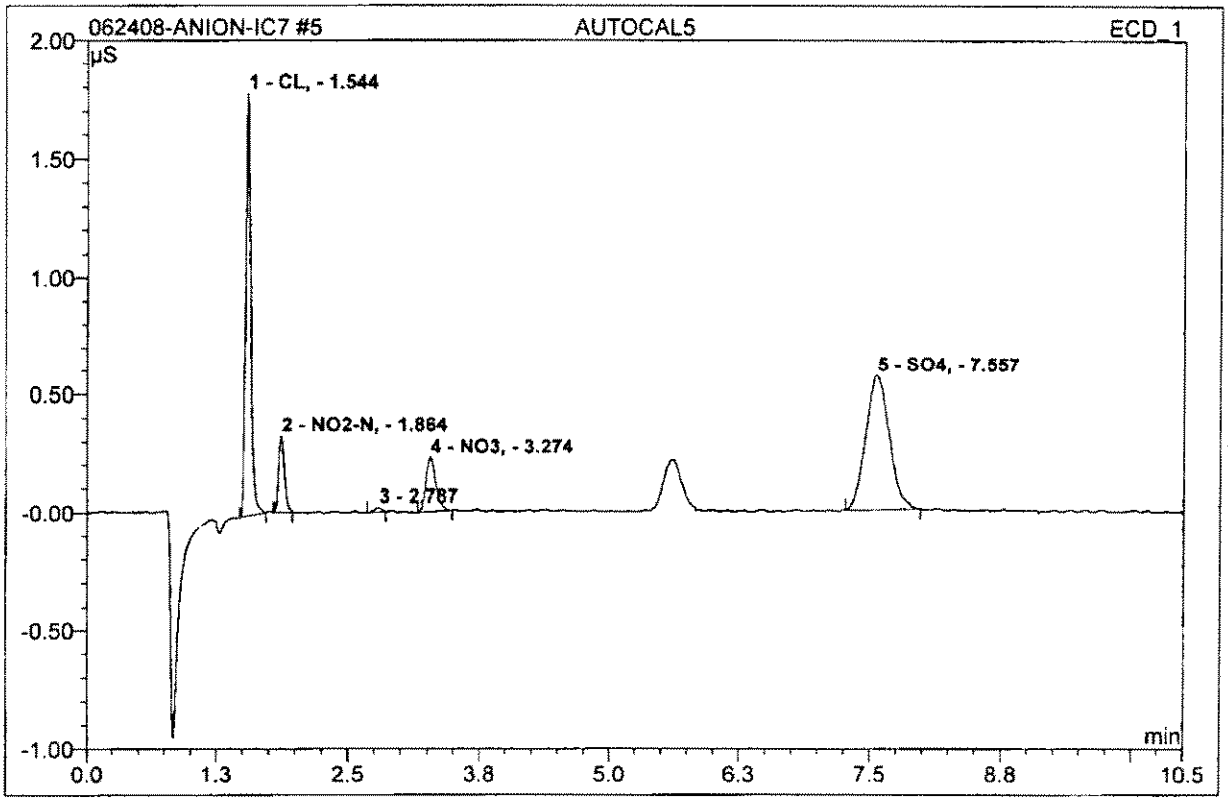
Sample Name:	**AUTOCAL4**	*Injection Volume:*	**500.0**
Vial Number:	**18**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 8:54**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.55	CL,	0.879	0.050	34.62	0.424	BMB
2	1.87	NO2-N,	0.167	0.011	7.46	0.046	BMB
3	3.28	NO3,	0.112	0.011	7.57	0.044	BMB
4	7.57	SO4,	0.287	0.072	50.34	0.947	BMB
Total:			1.444	0.144	100.00	1.461	

5 AUTOCAL5

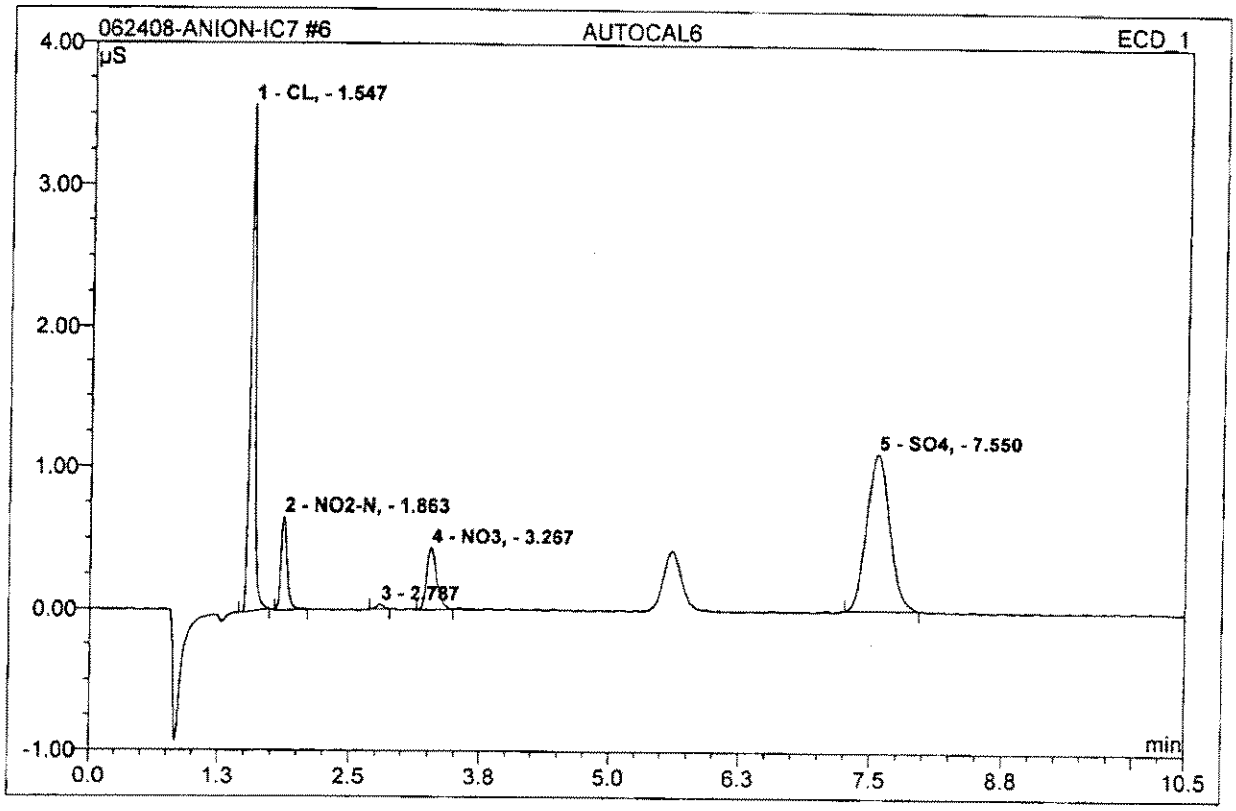
Sample Name:	**AUTOCAL5**	*Injection Volume:*	**500.0**
Vial Number:	**19**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 9:07**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.54	CL,	1.790	0.100	34.20	0.849	BMB
2	1.86	NO2-N,	0.323	0.021	7.07	0.089	BMB
4	3.27	NO3,	0.228	0.025	8.42	0.100	BMB
5	7.56	SO4,	0.566	0.146	49.84	1.902	BMB
Total:			2.907	0.291	99.53	2.939	

6 AUTOCAL6

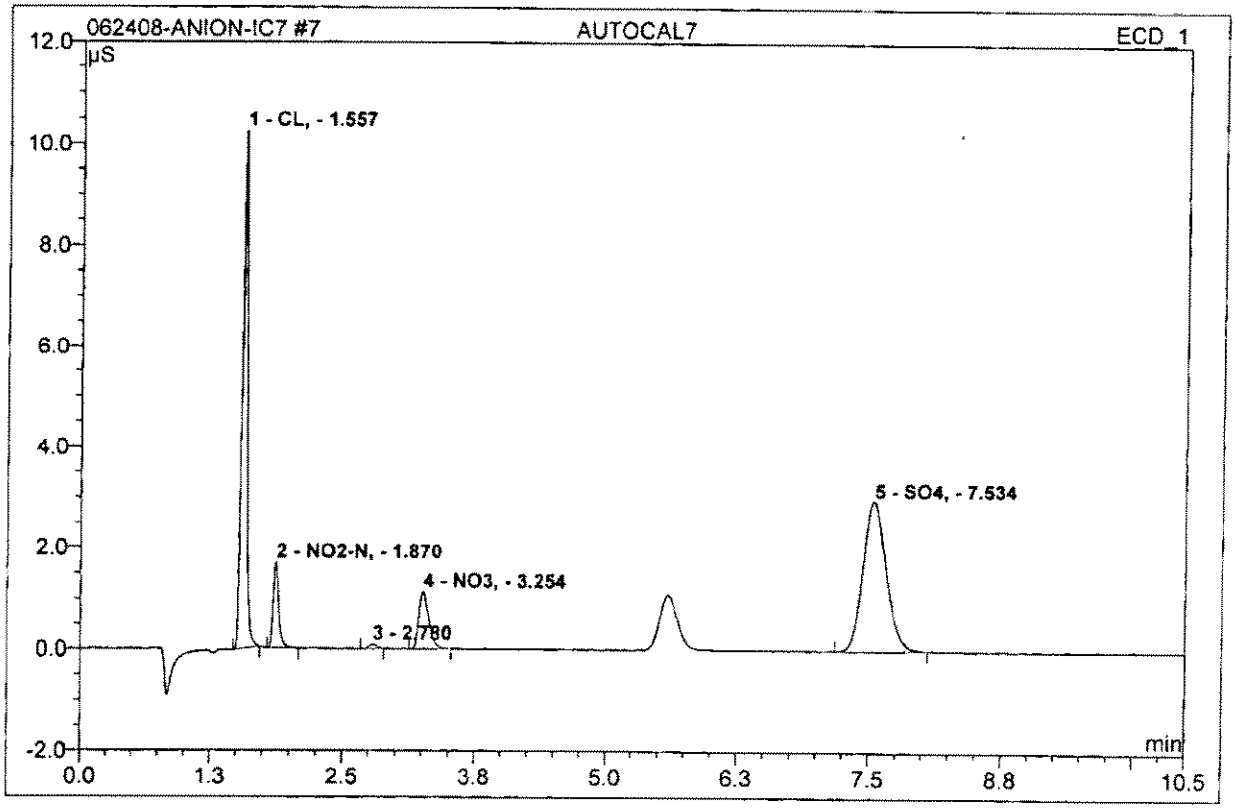
Sample Name:	**AUTOCAL6**	*Injection Volume:*	**500.0**
Vial Number:	**20**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 9:20**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.55	CL,	3.581	0.197	34.41	1.663	BMB
2	1.86	NO2-N,	0.657	0.044	7.67	0.187	BMB
4	3.27	NO3,	0.434	0.047	8.18	0.189	BMB
5	7.55	SO4,	1.111	0.282	49.30	3.663	BMB
Total:			5.784	0.569	99.56	5.702	

7 AUTOCAL7

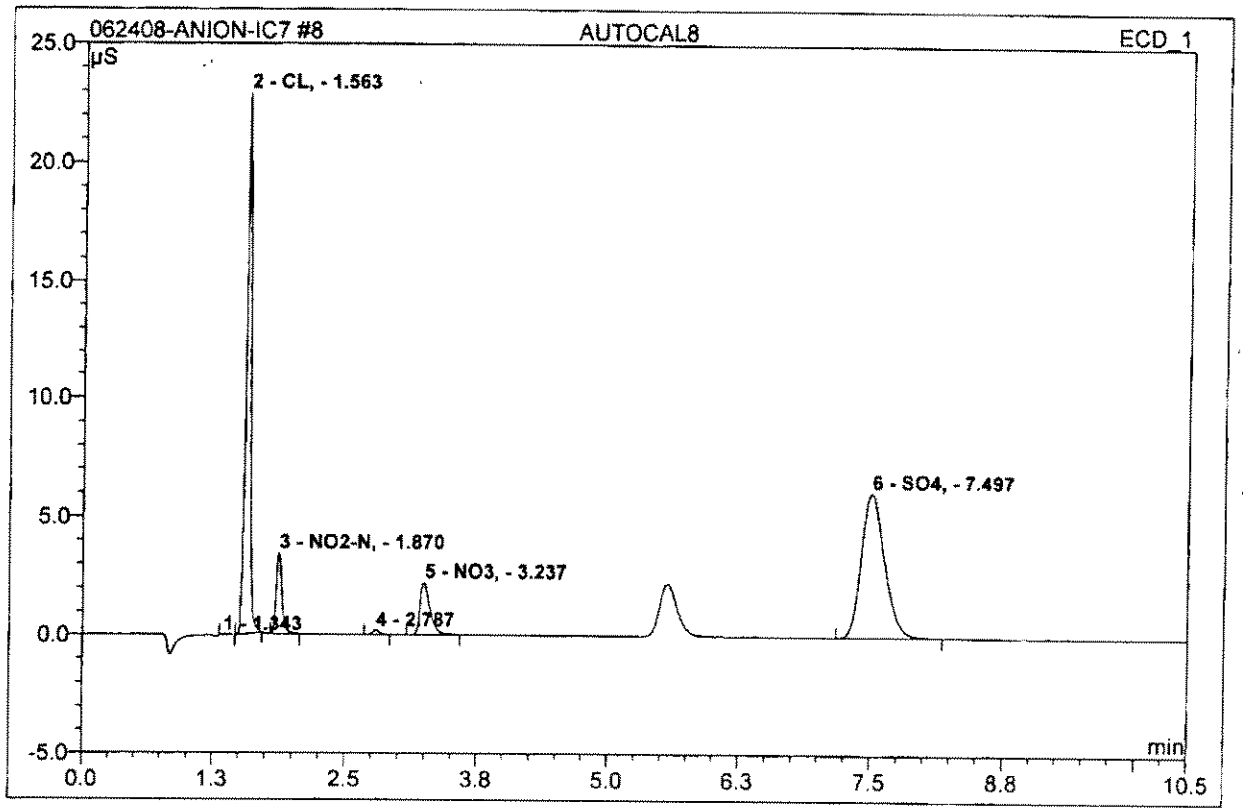
Sample Name:	**AUTOCAL7**	*Injection Volume:*	**500.0**
Vial Number:	**21**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 9:33**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.56	CL,	10.251	0.541	35.25	4.515	BMB
2	1.87	NO2-N,	1.696	0.110	7.15	0.467	BMB
4	3.25	NO3,	1.128	0.121	7.89	0.485	BMB
5	7.53	SO4,	2.950	0.755	49.18	9.675	BMB
Total:			16.025	1.526	99.46	15.143	

8 AUTOCAL8

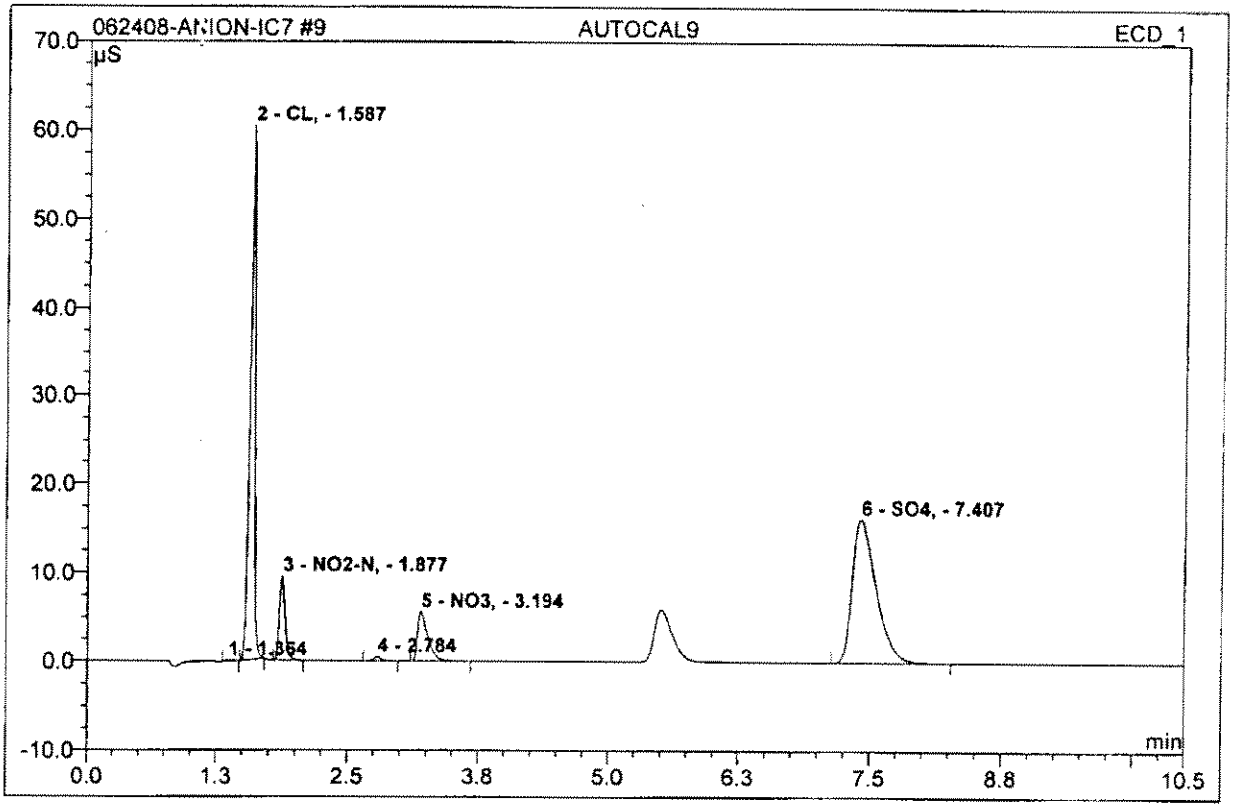
Sample Name:	**AUTOCAL8**	*Injection Volume:*	**500.0**
Vial Number:	**22**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 9:46**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.56	CL,	22.862	1.169	36.42	9.547	BMB
3	1.87	NO2-N,	3.419	0.218	6.79	0.923	BMB
5	3.24	NO3,	2.218	0.244	7.60	0.969	BMB
6	7.50	SO4,	6.092	1.560	48.61	19.575	BMB
Total:			34.591	3.191	99.41	31.015	

9 AUTOCAL9

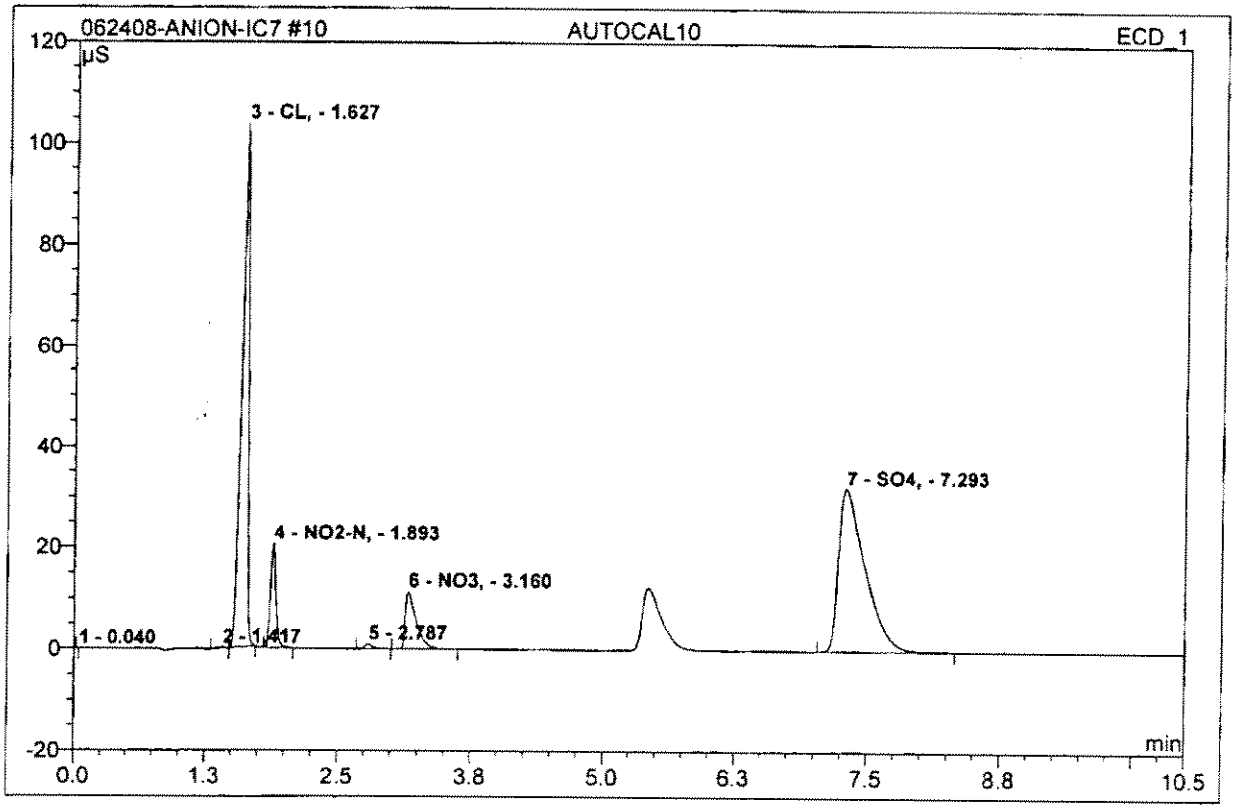
Sample Name:	**AUTOCAL9**	*Injection Volume:*	**500.0**
Vial Number:	**23**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 9:59**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.59	CL,	60.374	3.329	37.42	25.461	BMB
3	1.88	NO2-N,	9.523	0.588	6.61	2.449	BMB
5	3.19	NO3,	5.623	0.644	7.24	2.484	BMB
6	7.41	SO4,	16.277	4.281	48.12	50.393	BMB
Total:			91.797	8.843	99.40	80.787	

10 AUTOCAL10

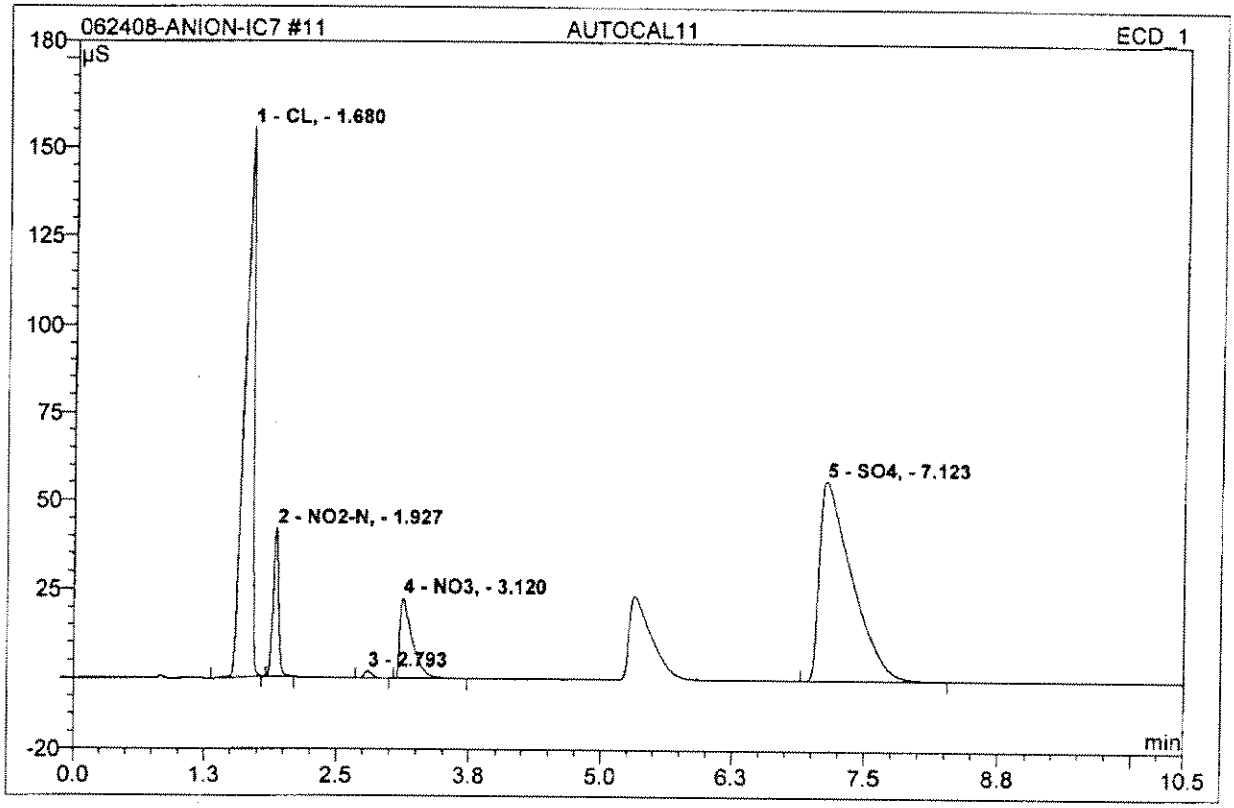
Sample Name:	**AUTOCAL10**	*Injection Volume:*	**500.0**
Vial Number:	**24**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 10:12**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
3	1.63	CL,	103.572	7.165	37.27	49.920	BMB
4	1.89	NO2-N,	20.553	1.252	6.51	5.068	BMB
6	3.16	NO3,	11.329	1.367	7.11	5.024	BMB
7	7.29	SO4,	32.039	9.335	48.55	99.932	BMB
Total:			167.493	19.119	99.45	159.944	

11 AUTOCAL11

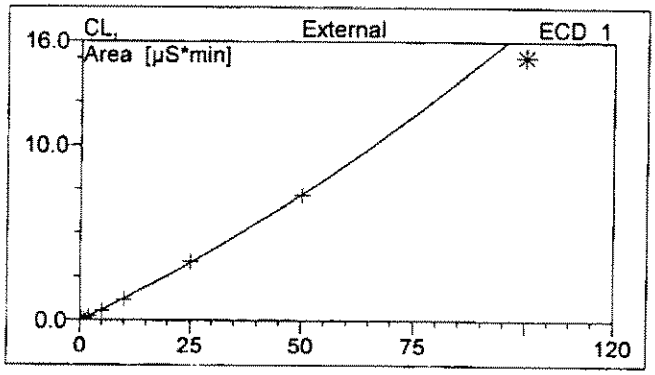
Sample Name:	**AUTOCAL11**	*Injection Volume:*	**500.0**
Vial Number:	**22**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 10:25**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**

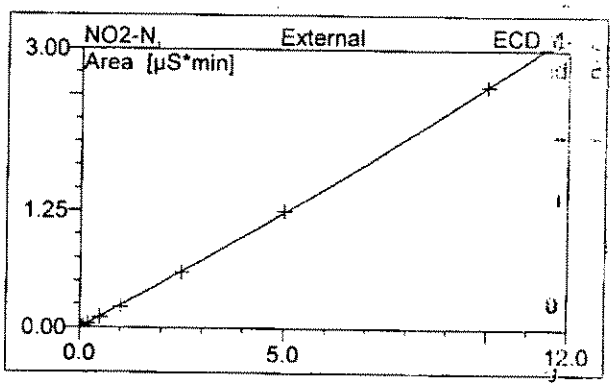


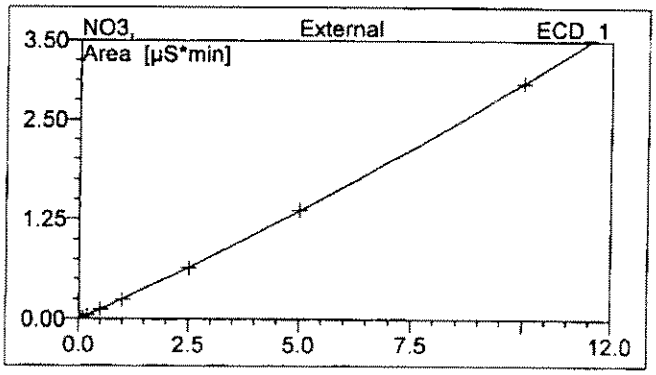
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.68	CL,	155.281	15.091	37.00	91.355	BMB
2	1.93	NO2-N,	41.867	2.601	6.38	9.988	BMB
4	3.12	NO3,	22.658	2.968	7.28	9.996	BMB
5	7.12	SO4,	56.403	19.958	48.93	184.944	BMB
Total:			276.209	40.618	99.57	296.284	

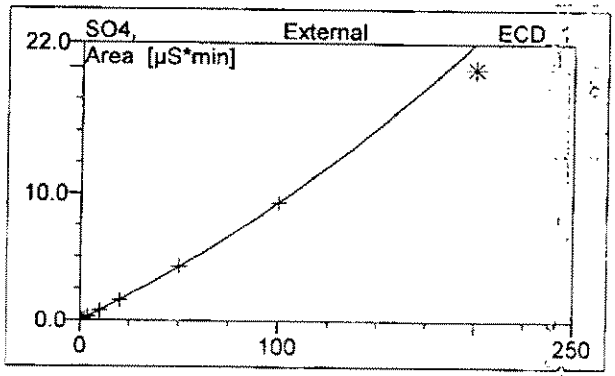
11 AUTOCAL11

Sample Name:	**AUTOCAL11**	*Injection Volume:*	**500.0**
Vial Number:	**22**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/17/2008 10:25**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**





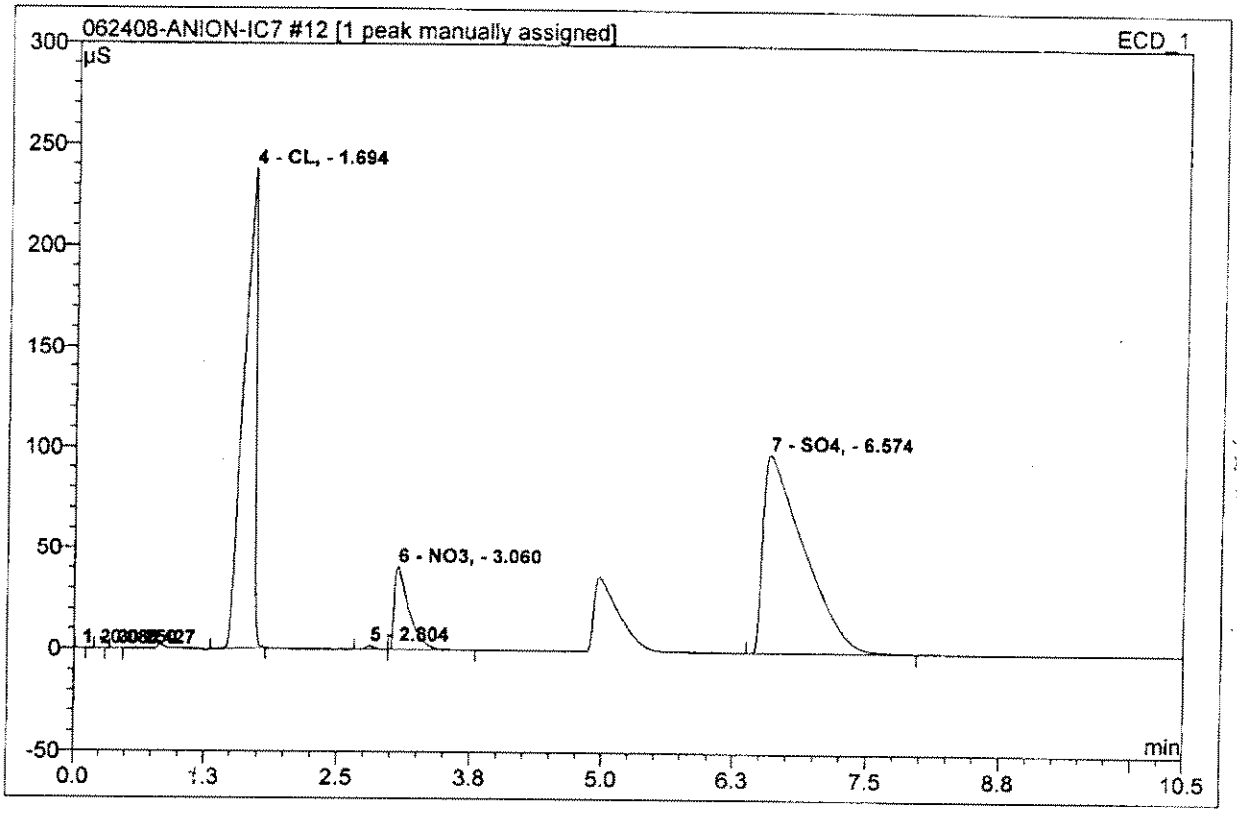




No.	Ret.Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
1	1.68	CL,	Quad	7	99.9138	0.0000	0.1175	0.0005
2	1.93	NO2-N,	Quad	10	99.9624	0.0000	0.2334	0.0027
3	2.79	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4	3.12	NO3,	Quad	10	99.9026	0.0000	0.2471	0.0050
5	7.12	SO4,	Quad	9	99.8970	0.0000	0.0764	0.0002
Average:					99.9190	0.0000	0.1686	0.0021

12 20 PPM

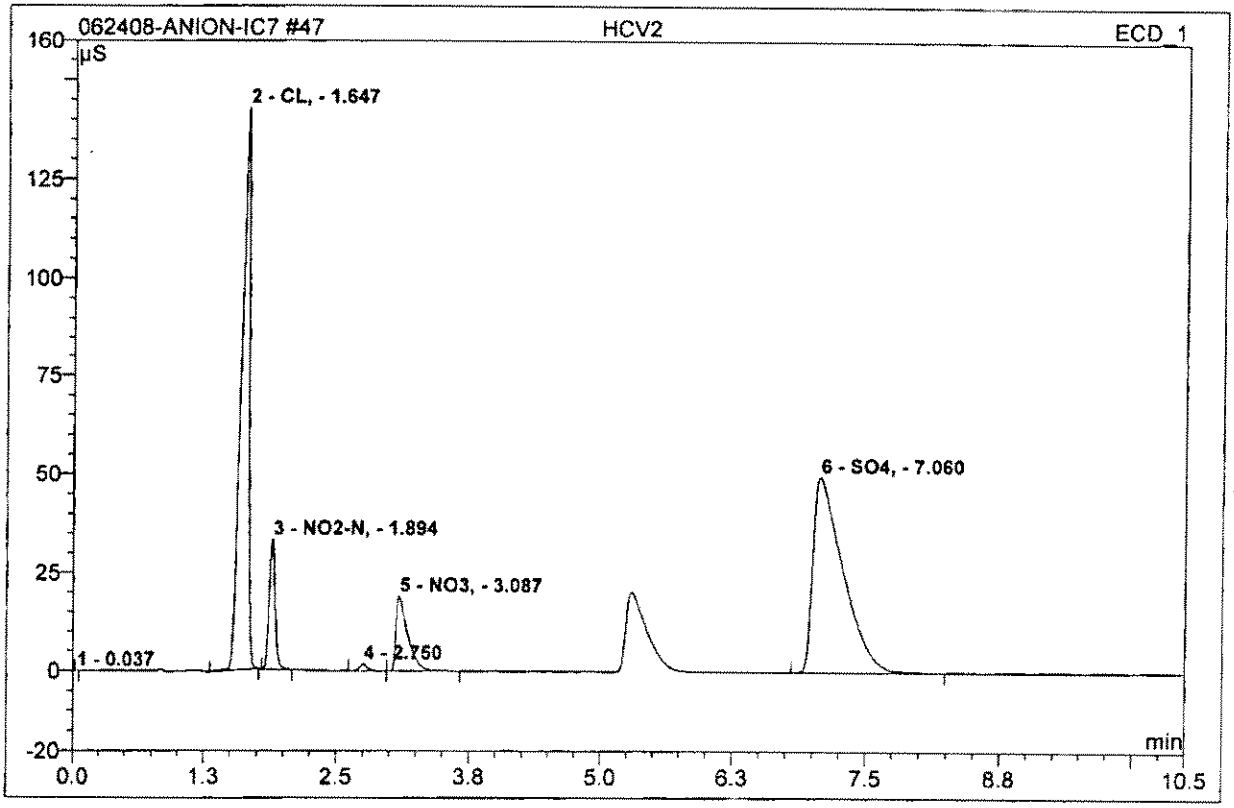
Sample Name:	**20 PPM**	*Injection Volume:*	**1000.0**
Vial Number:	**233**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 6:50**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
4	1.69	CL,	237.751	32.033	38.79	159.519	BMB
6	3.06	NO3,	40.948	6.430	7.79	18.851	BMB
7	6.57	SO4,	98.312	43.931	53.20	330.796	BMB^
Total:			377.011	82.395	99.78	509.167	

47 HCV2

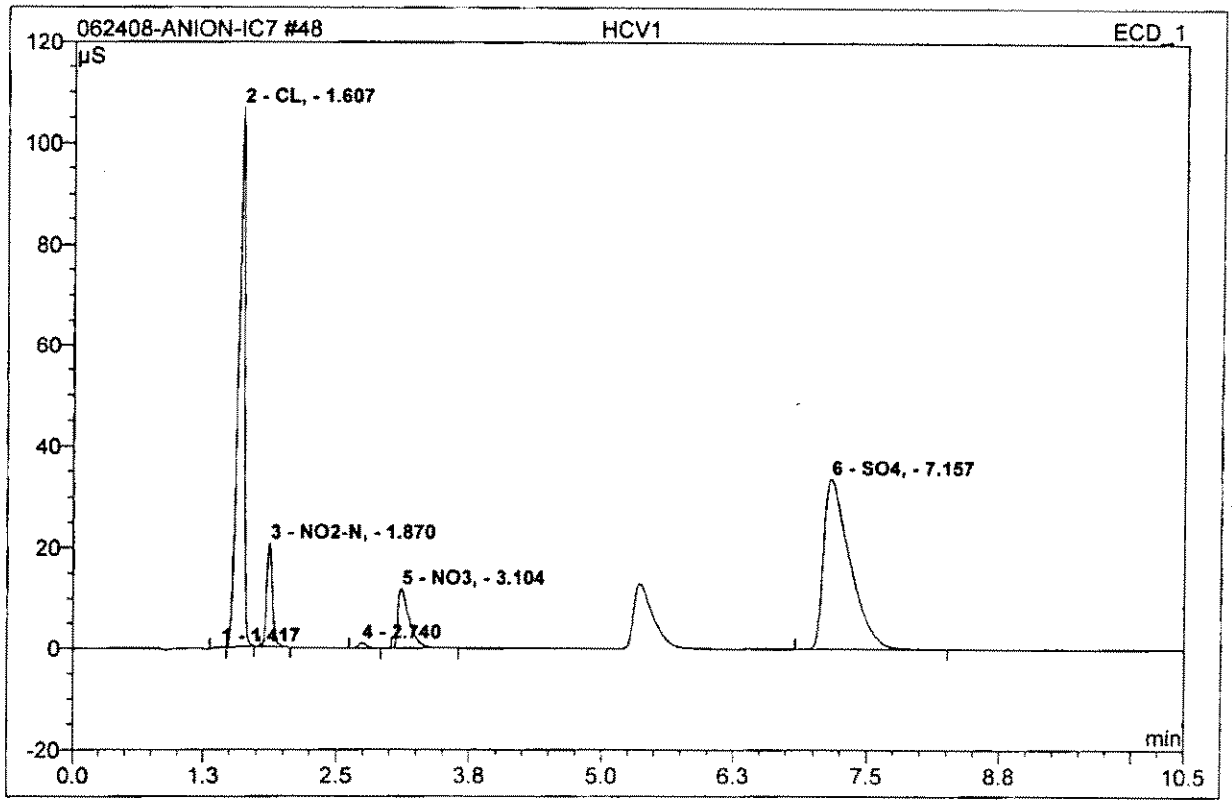
Sample Name:	**HCV2**	*Injection Volume:*	**1000.0**
Vial Number:	**253**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 15:03**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.65	CL,	142.619	12.438	37.14	78.491	BMB
3	1.89	NO2-N,	33.197	2.125	6.35	8.308	BMB
5	3.09	NO3,	19.018	2.420	7.23	8.379	BMB
6	7.06	SO4,	49.852	16.359	48.85	158.268	BMB
Total:			244.687	33.343	99.57	253.445	

48 HCV1

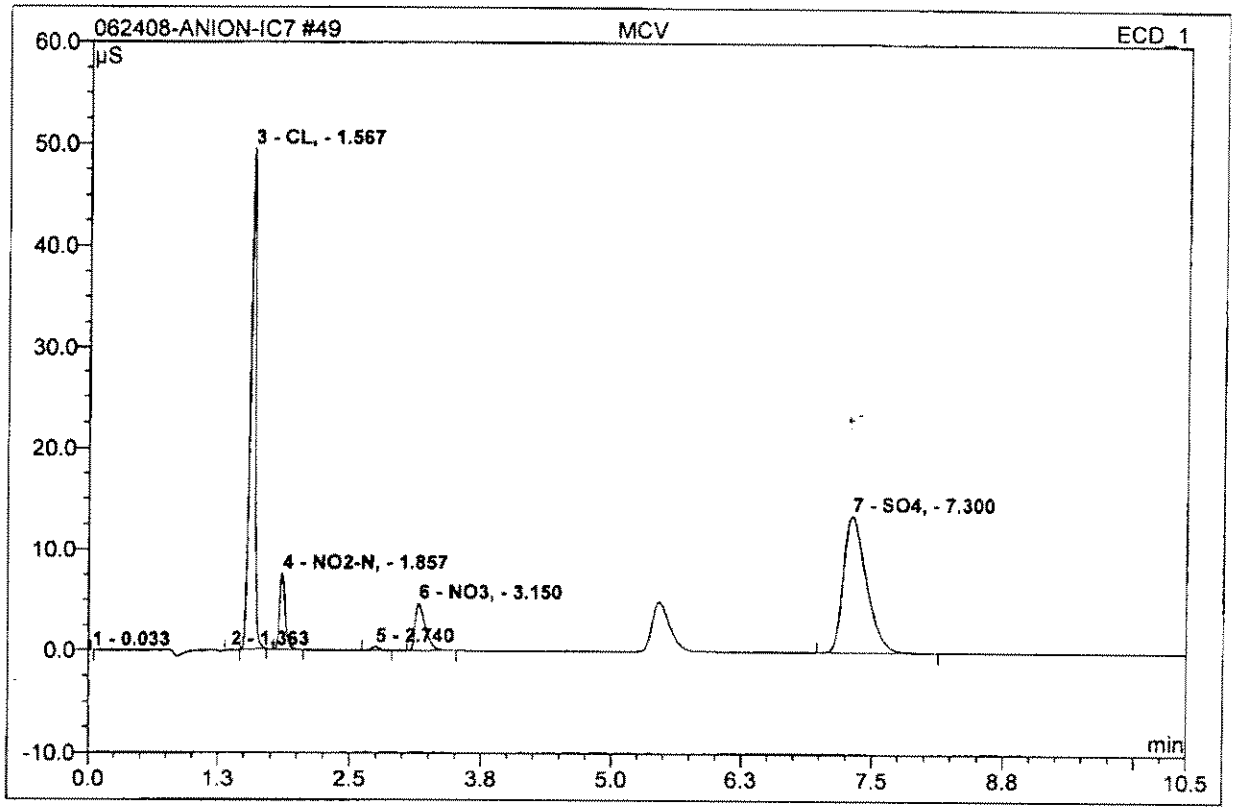
Sample Name:	**HCV1**	*Injection Volume:*	**1000.0**
Vial Number:	**254**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 15:16**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.61	CL,	106.712	7.517	37.30	51.982	bMB
3	1.87	NO2-N,	20.740	1.299	6.45	5.248	BMB
5	3.10	NO3,	11.936	1.441	7.15	5.272	BMB
6	7.16	SO4,	33.724	9.791	48.58	104.037	BMB
Total:			173.112	20.048	99.48	166.538	

49 MCV

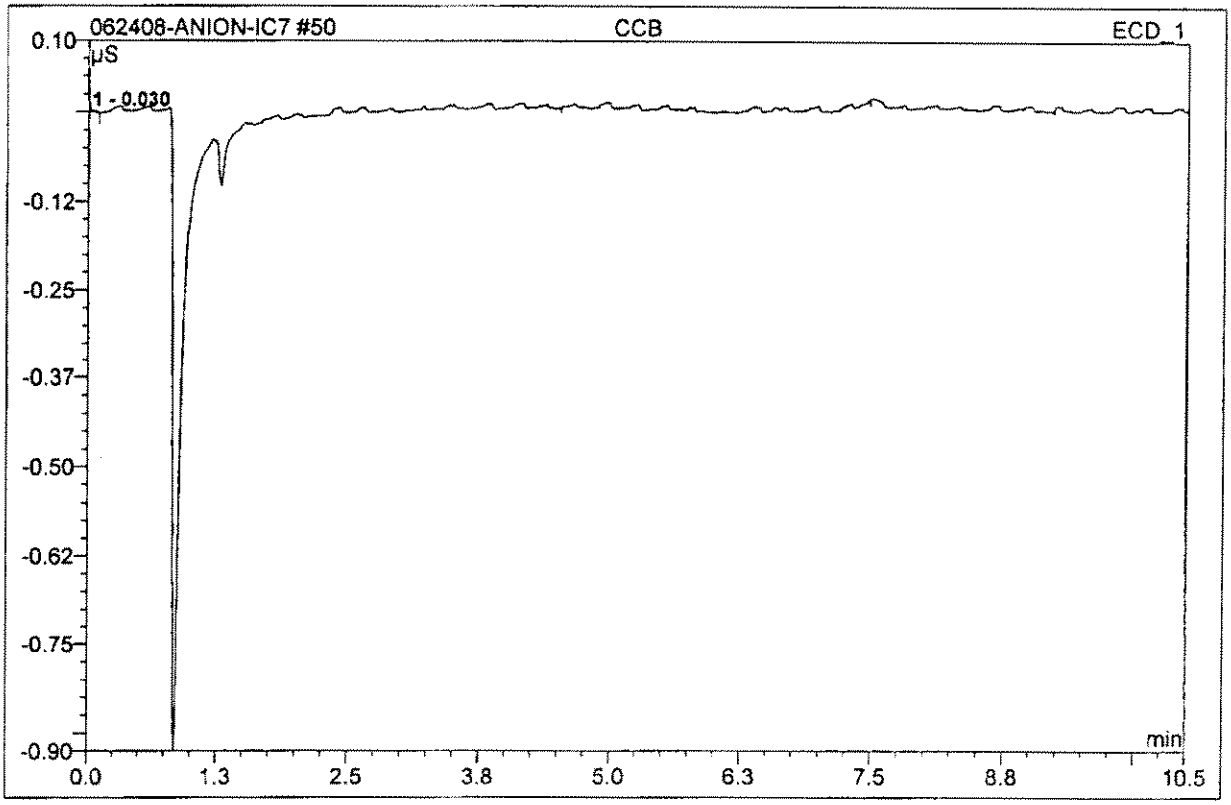
Sample Name:	**MCV**	*Injection Volume:*	**1000.0**
Vial Number:	**255**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 15:29**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
3	1.57	CL,	49.451	2.709	37.38	21.083	BMB
4	1.86	NO2-N,	7.537	0.478	6.60	2.003	BMB
6	3.15	NO3,	4.703	0.528	7.29	2.052	BMB
7	7.30	SO4,	13.570	3.489	48.15	41.792	BMB
Total:			75.261	7.204	99.41	66.930	

50 CCB

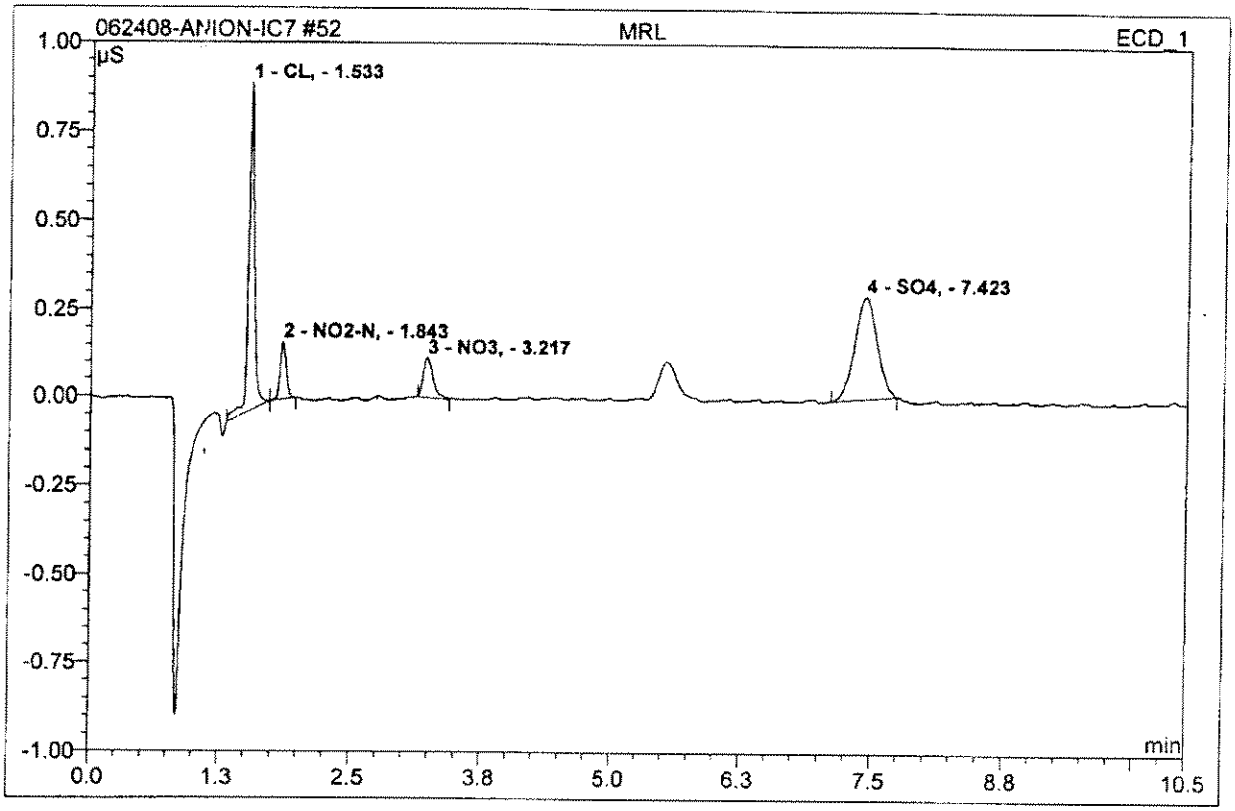
Sample Name:	**CCB**	*Injection Volume:*	**1000.0**
Vial Number:	**256**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 15:42**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*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	

52 MRL

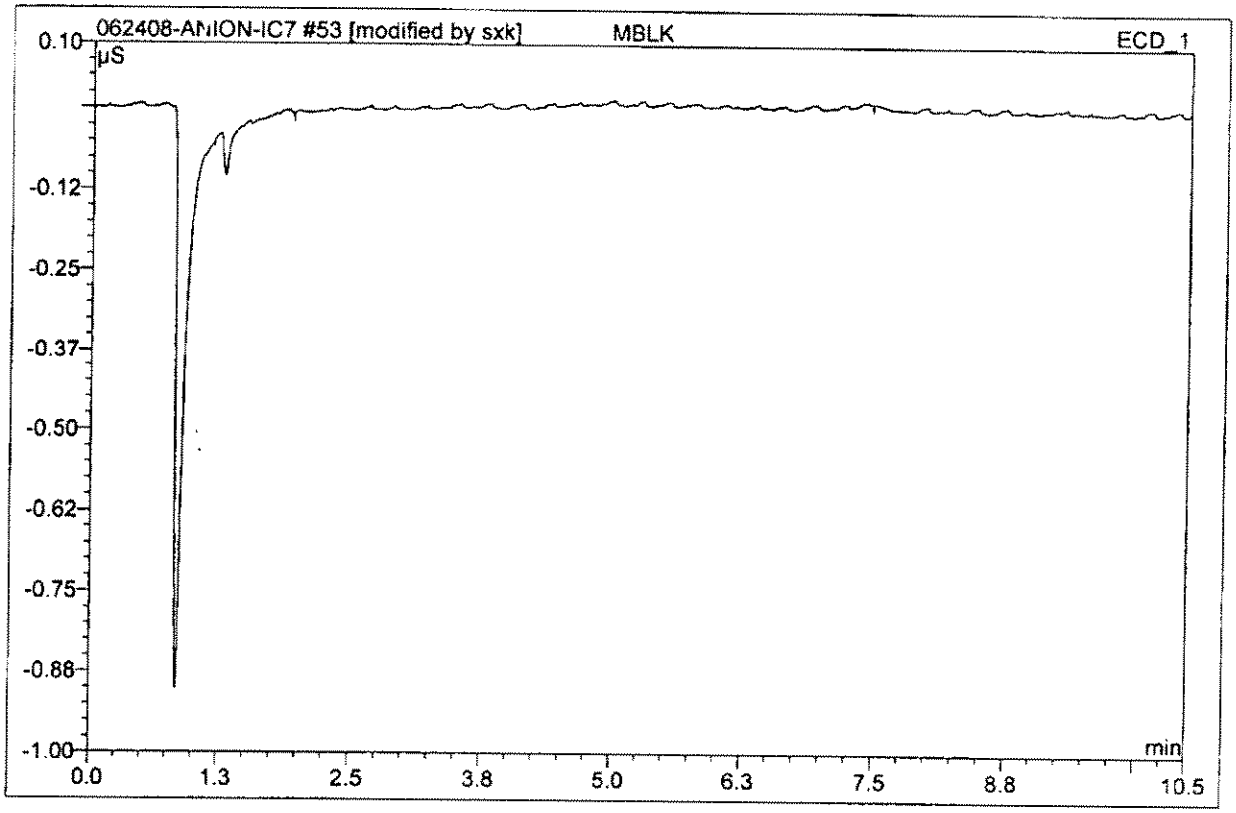
Sample Name:	**MRL**	*Injection Volume:*	**1000.0**
Vial Number:	**258**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 16:08**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	0.924	0.058	37.40	0.489	BMb
2	1.84	NO2-N,	0.167	0.011	6.99	0.046	bMB
3	3.22	NO3,	0.117	0.013	8.13	0.051	BMB
4	7.42	SO4,	0.295	0.073	47.47	0.955	BMB
Total:			1.502	0.154	100.00	1.540	

53 MBLK

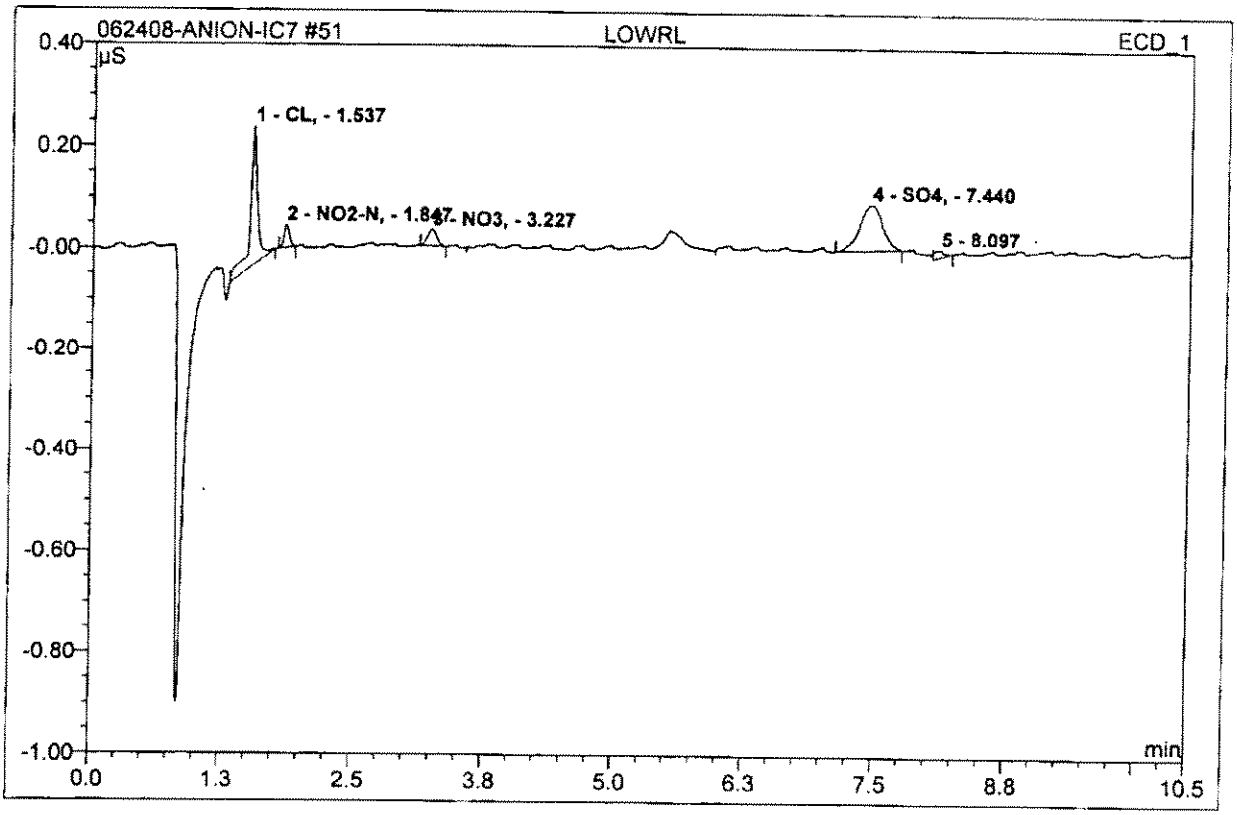
Sample Name:	**MBLK**	*Injection Volume:*	**1000.0**
Vial Number:	**259**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 16:21**	*Sample Weight:*	**1.0000**
Run Time (min):	**2.90**	*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	

51 LOWRL

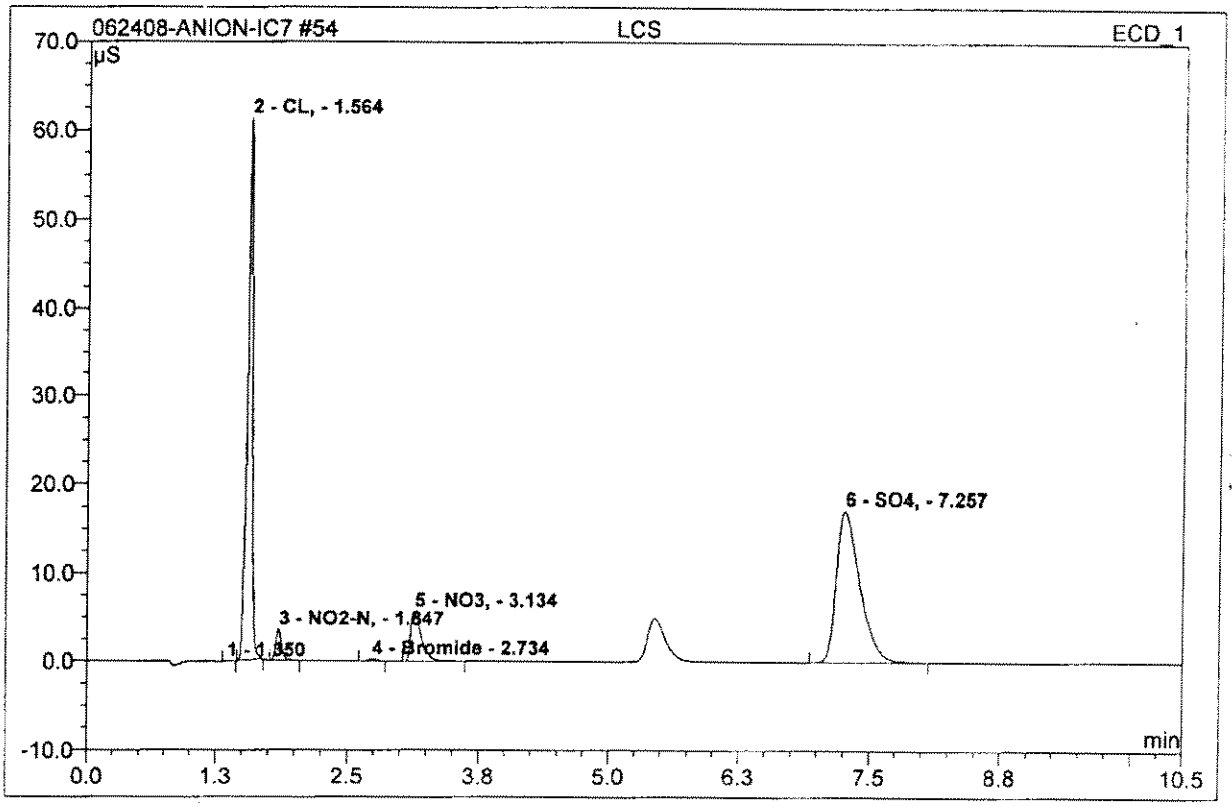
Sample Name:	**LOWRL**	*Injection Volume:*	**1000.0**
Vial Number:	**257**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 15:55**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.54	CL,	0.271	0.021	40.97	0.181	BMB
2	1.85	NO2-N,	0.045	0.003	5.18	0.012	BMB
3	3.23	NO3,	0.033	0.003	6.42	0.013	BMB
4	7.44	SO4,	0.090	0.023	44.46	0.302	BMB
Total:			0.439	0.050	97.03	0.507	

54 LCS

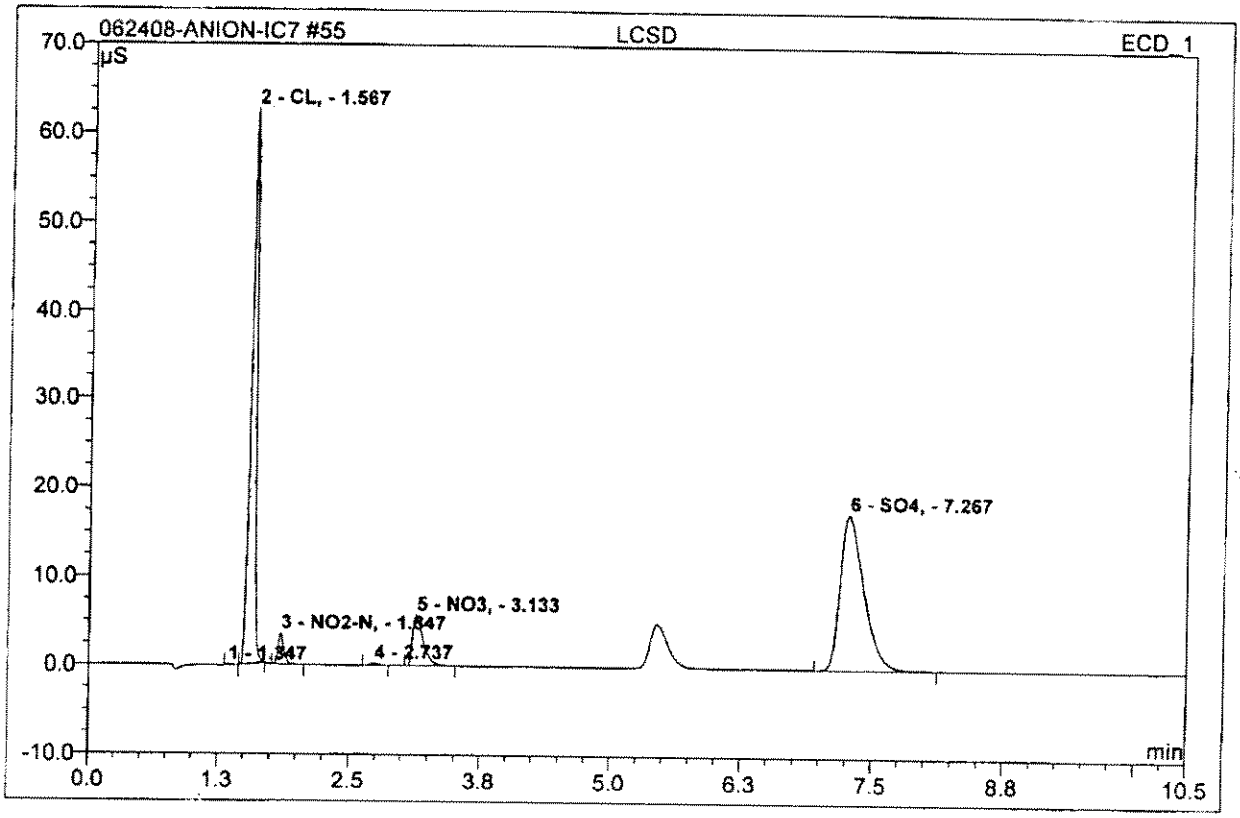
Sample Name:	**LCS**	*Injection Volume:*	**1000.0**
Vial Number:	**260**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 16:34**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.56	CL,	61.238	3.467	39.06	26.412	BMB
3	1.85	NO2-N,	3.550	0.227	2.56	0.961	BMB
4	2.73	Bromide	0.242	0.020	0.23	n.a.	BMB
5	3.13	NO3,	5.710	0.654	7.37	2.520	BMB
6	7.26	SO4,	17.212	4.503	50.74	52.759	BMB
Total:			87.952	8.871	99.96	82.652	

55 LCSD

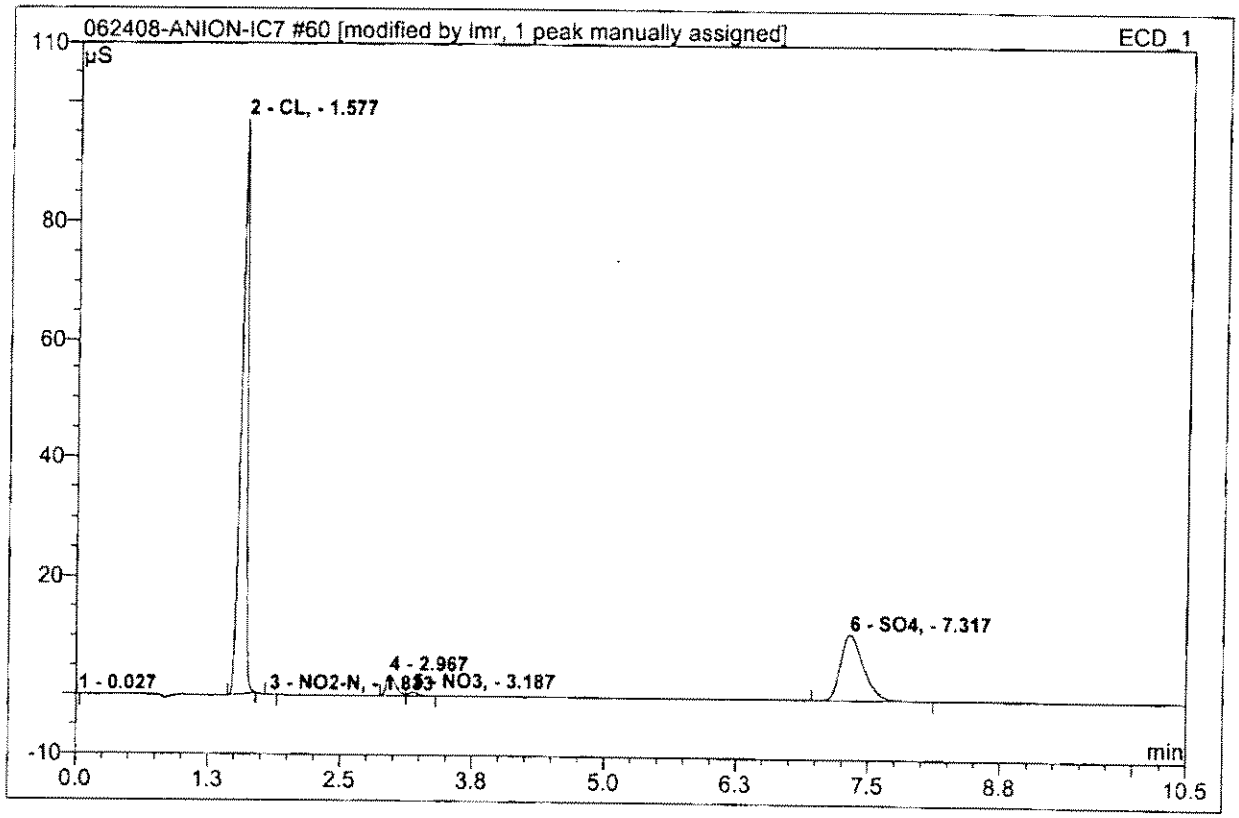
Sample Name:	**LCSD**	*Injection Volume:*	**1000.0**
Vial Number:	**261**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 16:47**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.57	CL,	62.566	3.538	39.09	26.905	BMB
3	1.85	NO2-N,	3.534	0.226	2.49	0.956	BMB
5	3.13	NO3,	5.815	0.663	7.32	2.551	BMB
6	7.27	SO4,	17.512	4.600	50.82	53.776	BMB
Total:			89.427	9.026	99.73	84.188	

60 2806240540_1/50

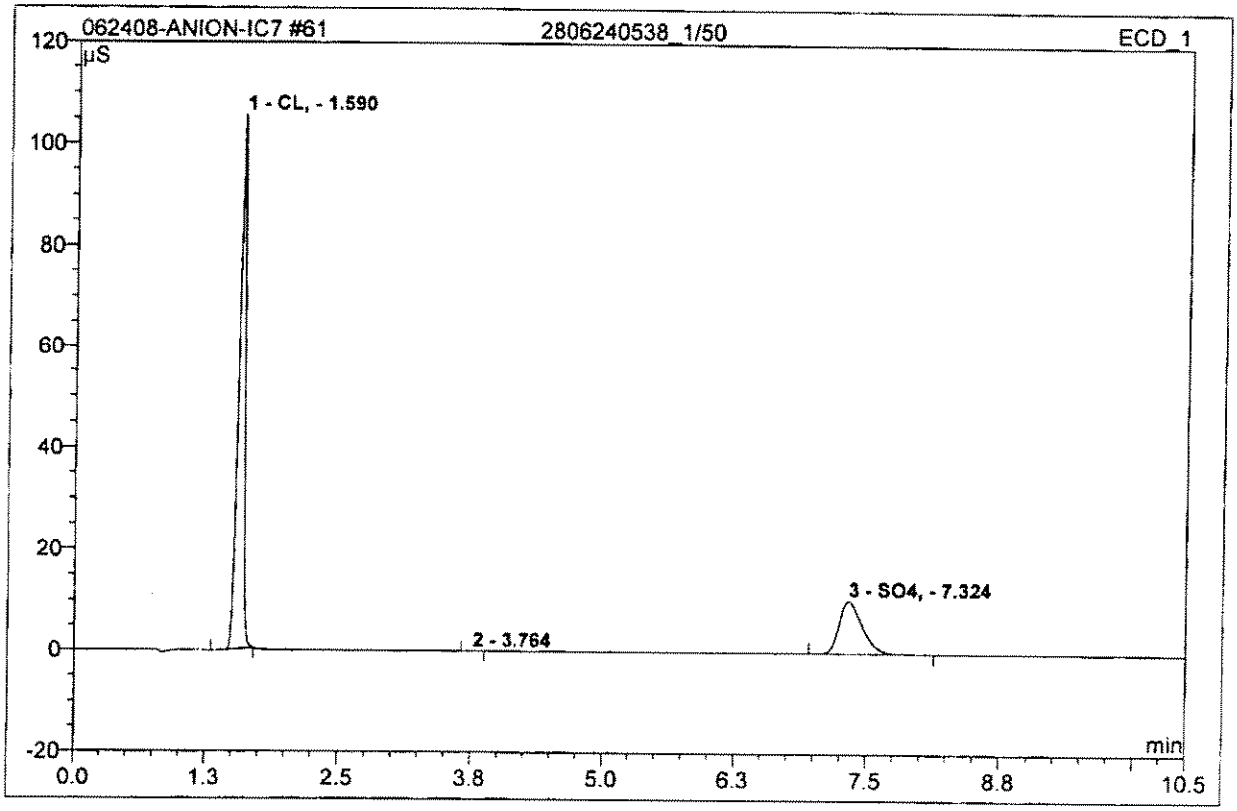
Sample Name:	**2806240540_1/50**	*Injection Volume:*	**1000.0**
Vial Number:	**266**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**50.0000**
Recording Time:	**6/24/2008 17:52**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.58	CL,	96.852	6.292	65.69	2234.370	BMB
3	1.83	NO2-N,	0.045	0.002	0.03	0.520	BMB
5	3.19	NO3,	0.589	0.069	0.72	13.861	MB*^
6	7.32	SO4,	11.127	2.852	29.78	1733.259	BMB
Total:			108.613	9.215	96.21	3982.010	

61 2806240538_1/50

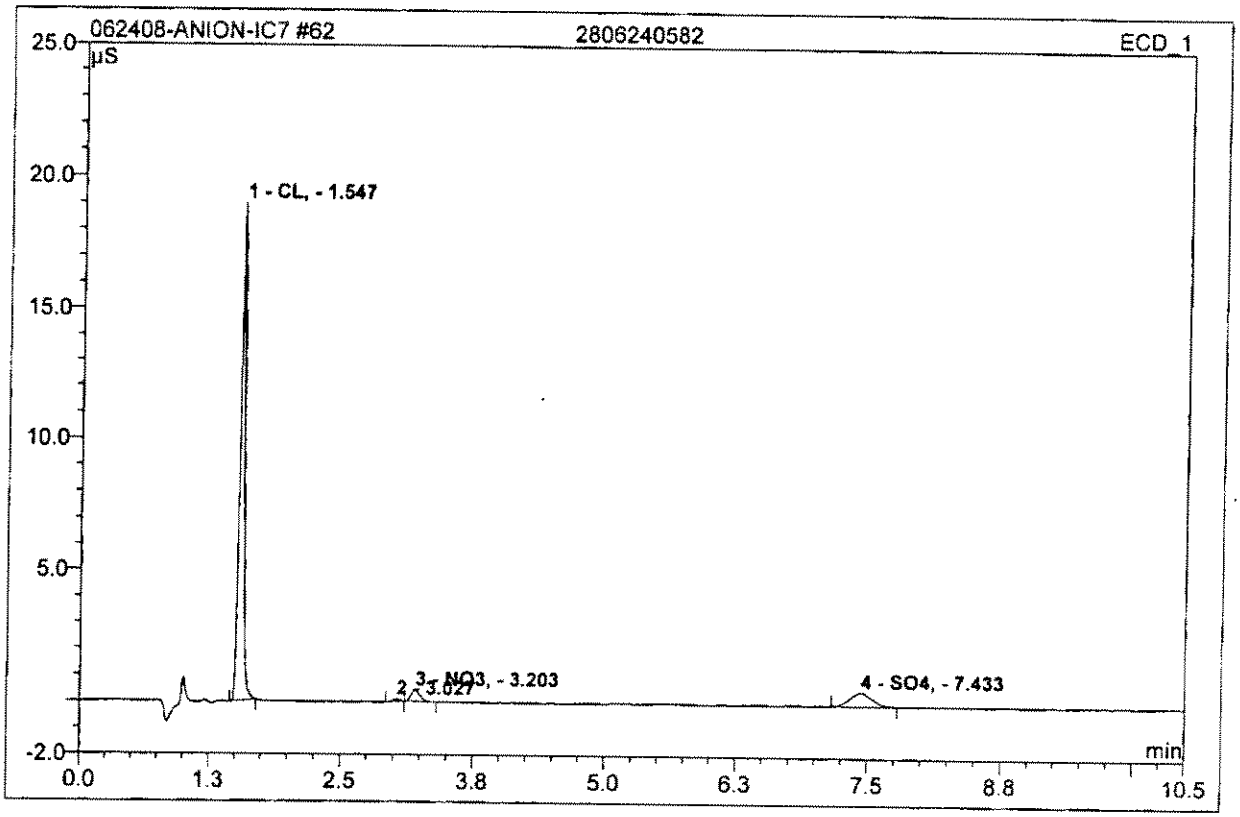
Sample Name:	**2806240538_1/50**	*Injection Volume:*	**1000.0**
Vial Number:	**267**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**50.0000**
Recording Time:	**6/24/2008 18:05**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.59	CL,	105.411	7.119	72.58	2482.335	BMB
3	7.32	SO4,	10.504	2.688	27.40	1639.759	BMB
Total:			115.915	9.807	99.98	4122.094	

62 2806240582

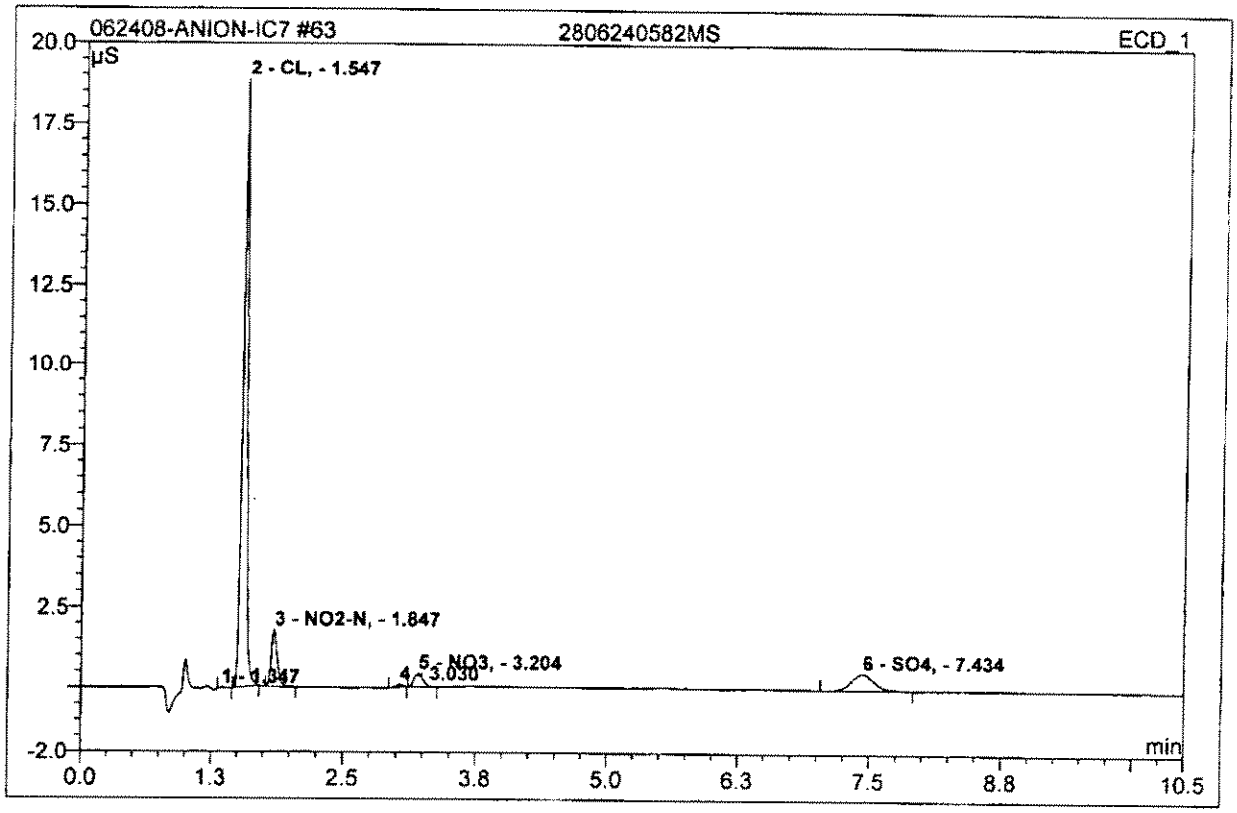
Sample Name:	**2806240582**	*Injection Volume:*	**1000.0**
Vial Number:	**268**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 18:18**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.55	CL,	18.968	0.987	84.84	8.109	BMB
3	3.20	NO3,	0.428	0.043	3.69	0.173	BMB
4	7.43	SO4,	0.509	0.126	10.83	1.643	BMB
Total:			19.906	1.156	99.36	9.925	

63 2806240582MS

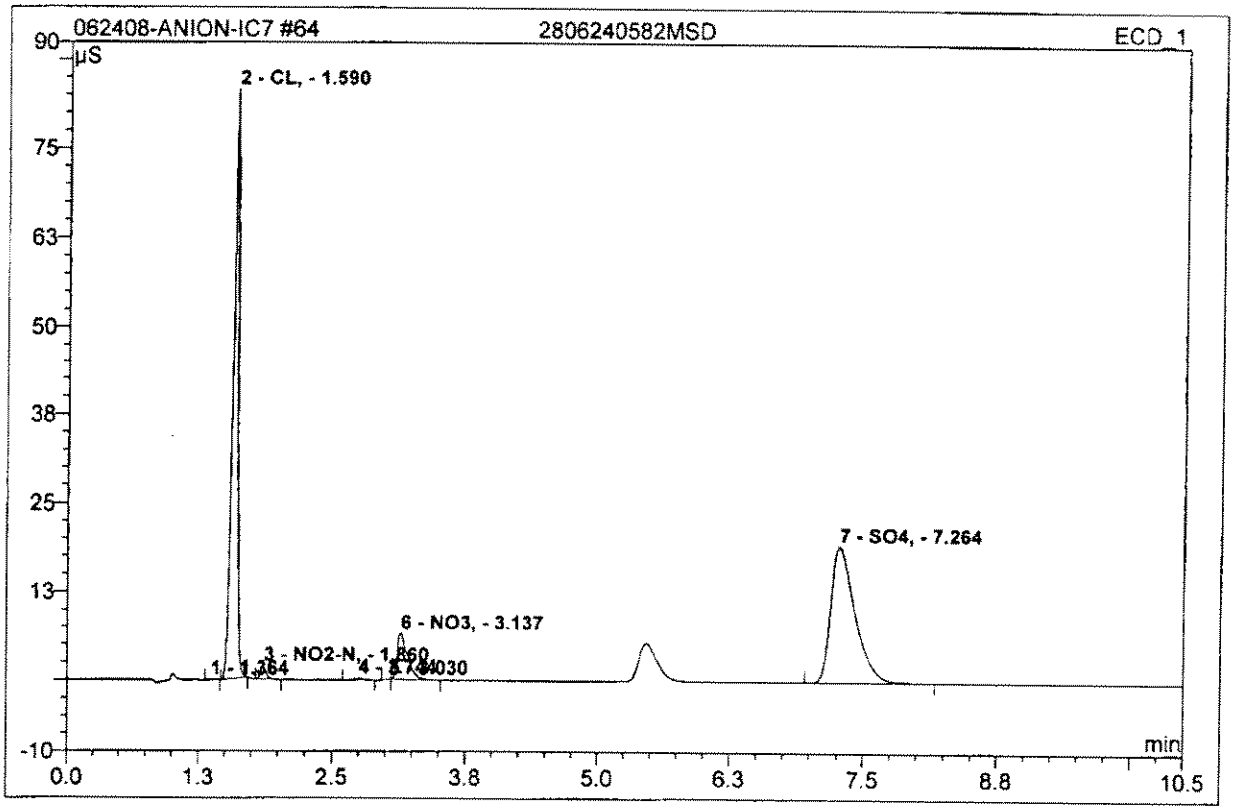
Sample Name:	**2806240582MS**	*Injection Volume:*	**1000.0**
Vial Number:	**269**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 18:31**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.55	CL,	18.857	0.982	76.67	8.072	BMB
3	1.85	NO2-N,	1.784	0.115	8.96	0.489	BMB
5	3.20	NO3,	0.428	0.043	3.34	0.172	BMB
6	7.43	SO4,	0.518	0.132	10.33	1.726	BMB
Total:			21.586	1.272	99.29	10.459	

64 2806240582MSD

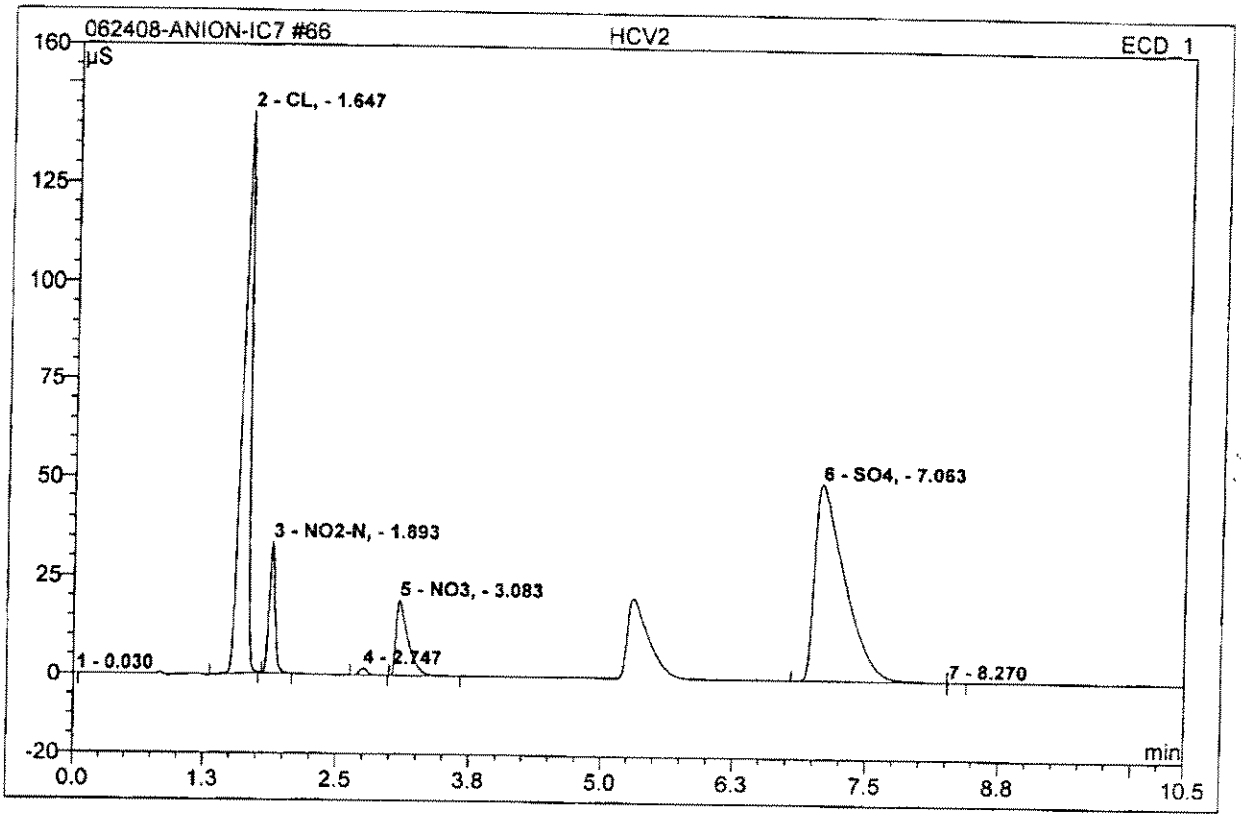
Sample Name:	**2806240582MSD**	*Injection Volume:*	**1000.0**
Vial Number:	**270**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 18:44**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.59	CL,	83.097	5.079	45.81	37.115	BMB
3	1.86	NO2-N,	1.843	0.115	1.04	0.490	BMB
6	3.14	NO3,	6.562	0.743	6.70	2.844	BMB
7	7.26	SO4,	19.288	5.117	46.15	59.187	BMB
Total:			110.791	11.054	99.71	99.637	

66 HCV2

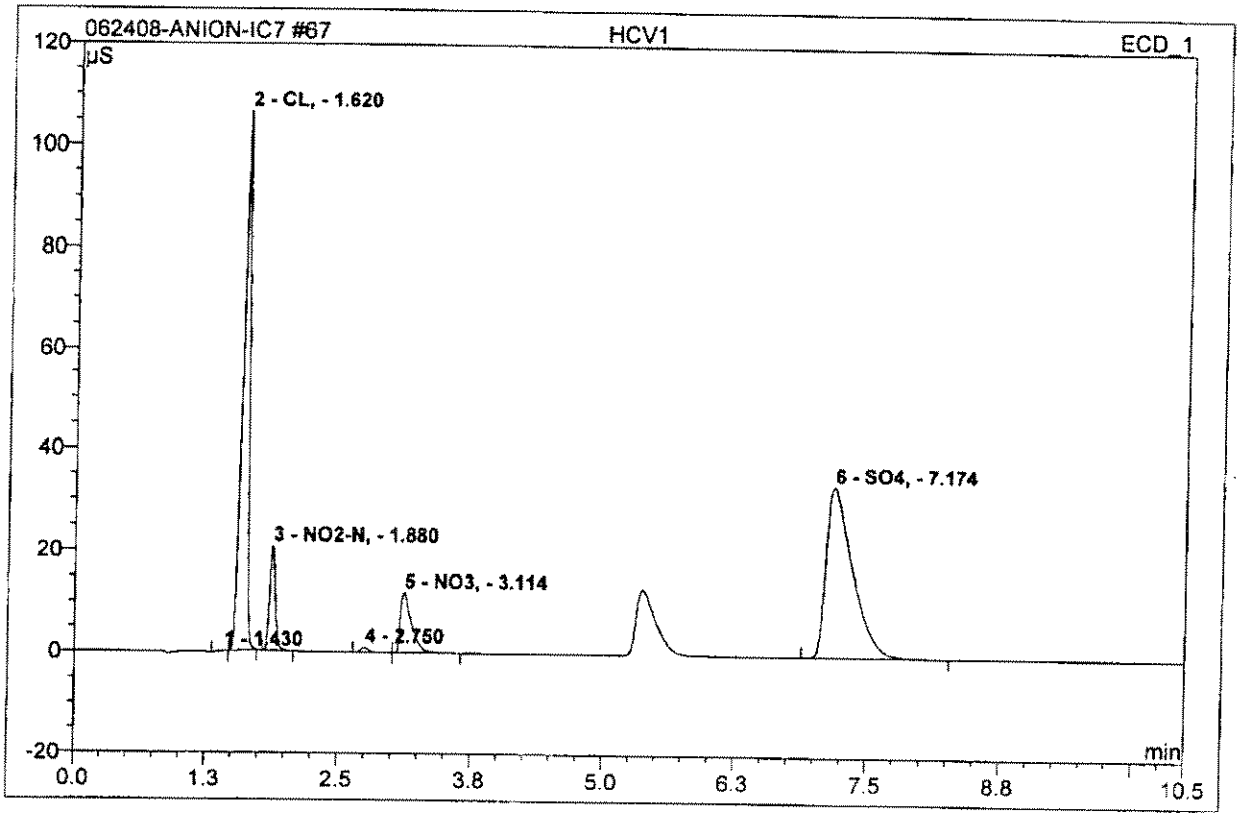
Sample Name:	**HCV2**	*Injection Volume:*	**1000.0**
Vial Number:	**271**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 19:10**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.65	CL,	142.595	12.458	37.10	78.592	BMB
3	1.89	NO2-N,	33.276	2.129	6.34	8.320	BMB
5	3.08	NO3,	19.088	2.431	7.24	8.412	BMB
6	7.06	SO4,	49.901	16.418	48.89	158.721	BMb
Total:			244.860	33.437	99.56	254.045	

67 HCV1

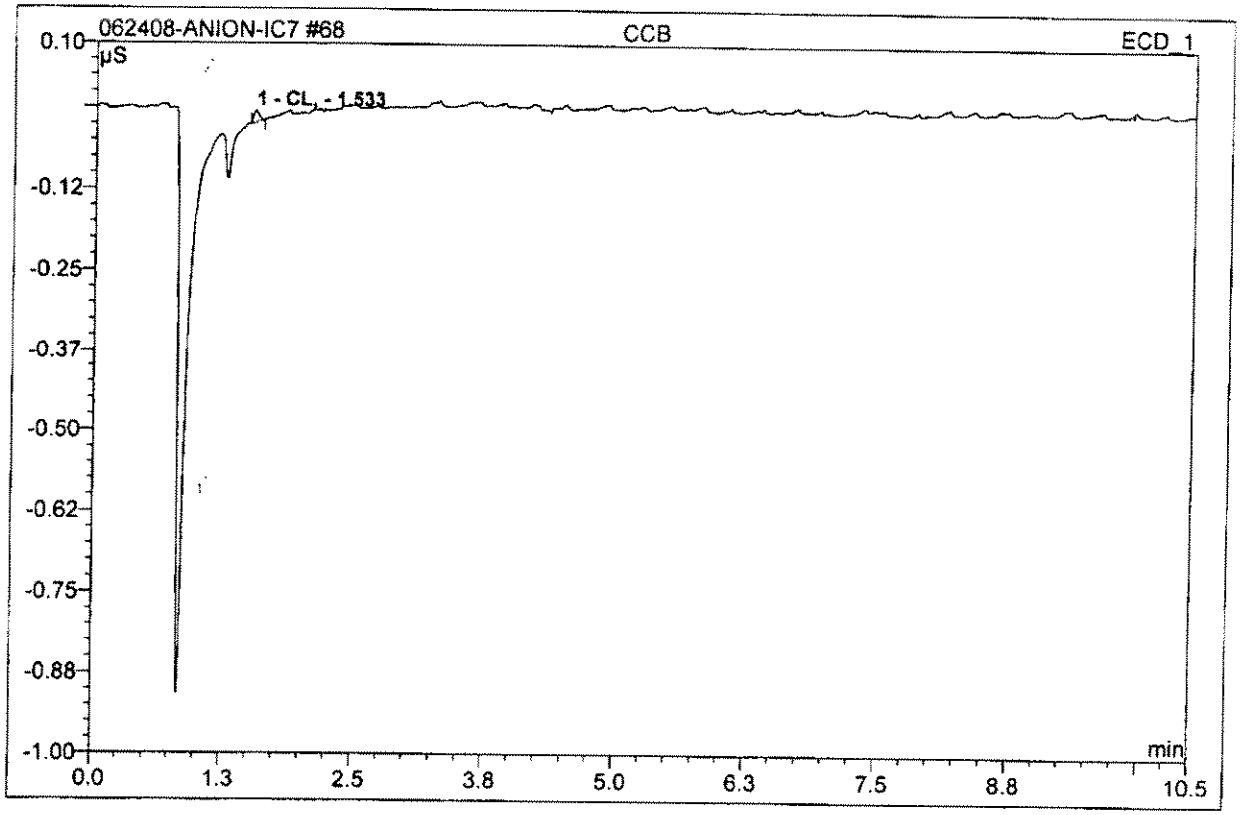
Sample Name:	**HCV1**	*Injection Volume:*	**1000.0**
Vial Number:	**272**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 19:23**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.62	CL,	106.414	7.487	37.23	51.806	BMB
3	1.88	NO2-N,	20.751	1.303	6.48	5.262	BMB
5	3.11	NO3,	11.937	1.441	7.17	5.272	BMB
6	7.17	SO4,	33.658	9.772	48.59	103.870	BMB
Total:			172.760	20.003	99.47	166.210	

68 CCB

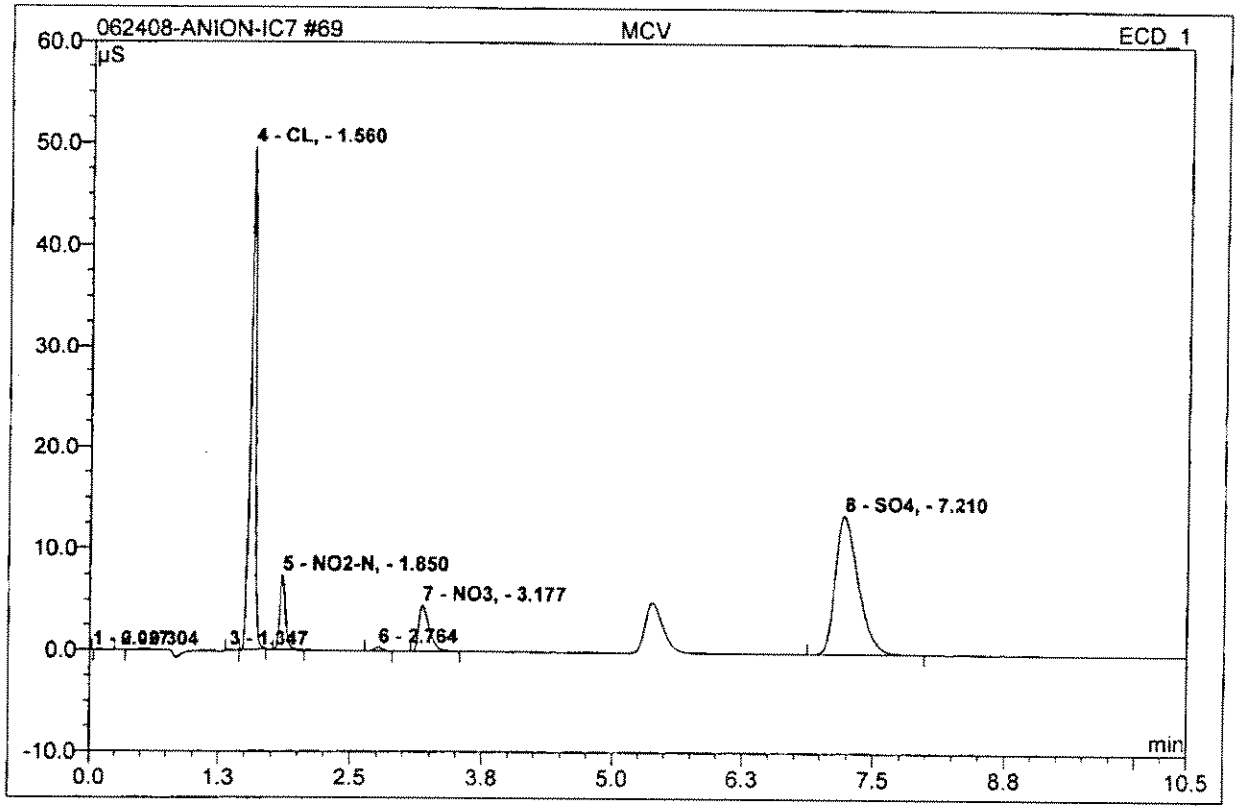
Sample Name:	**CCB**	*Injection Volume:*	**1000.0**
Vial Number:	**273**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 19:36**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	0.019	0.001	100.00	0.009	BMB
Total:			0.019	0.001	100.00	0.009	

69 MCV

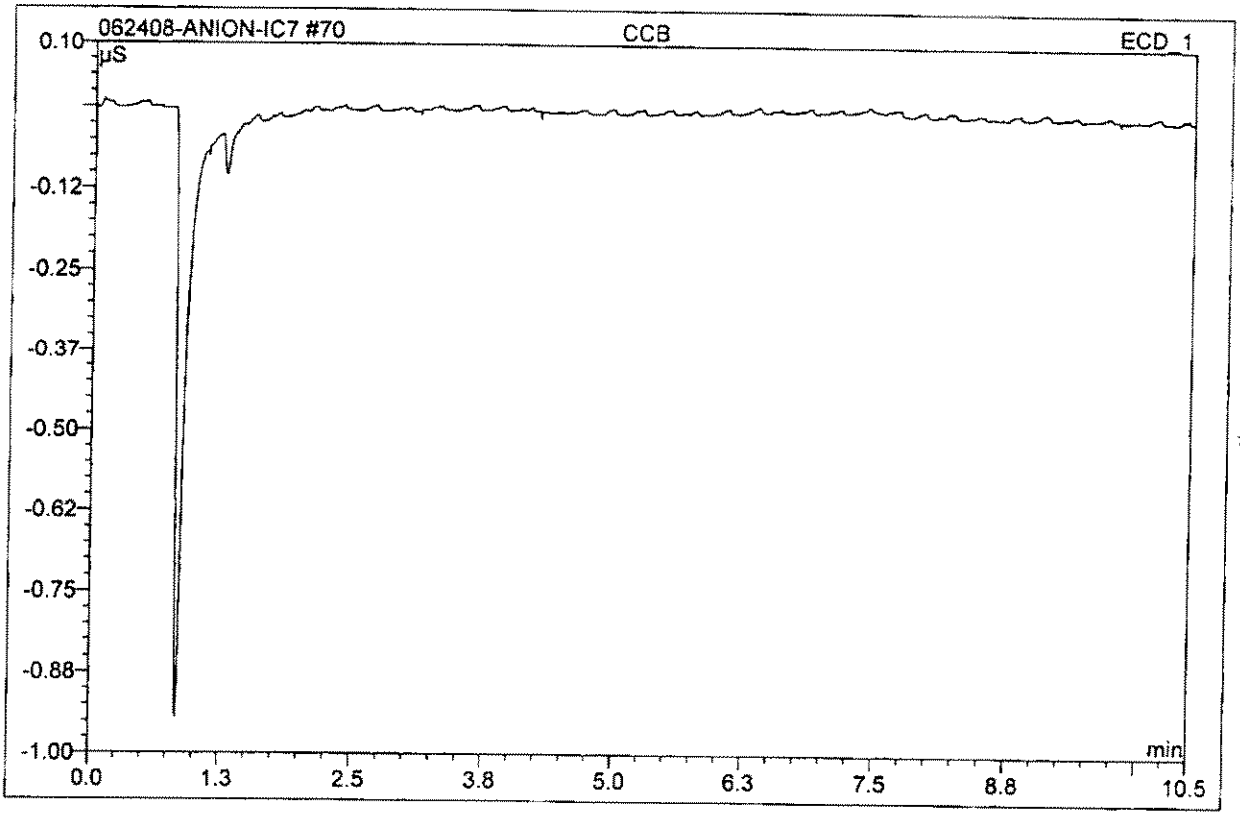
Sample Name:	**MCV**	*Injection Volume:*	**1000.0**
Vial Number:	**275**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 20:07**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
4	1.56	CL,	49.575	2.715	37.36	21.132	BMB
5	1.85	NO2-N,	7.424	0.477	6.56	1.998	BMB
7	3.18	NO3,	4.620	0.530	7.29	2.059	BMB
8	7.21	SO4,	13.648	3.505	48.22	41.965	BMB
Total:			75.267	7.227	99.43	67.153	

70 CCB

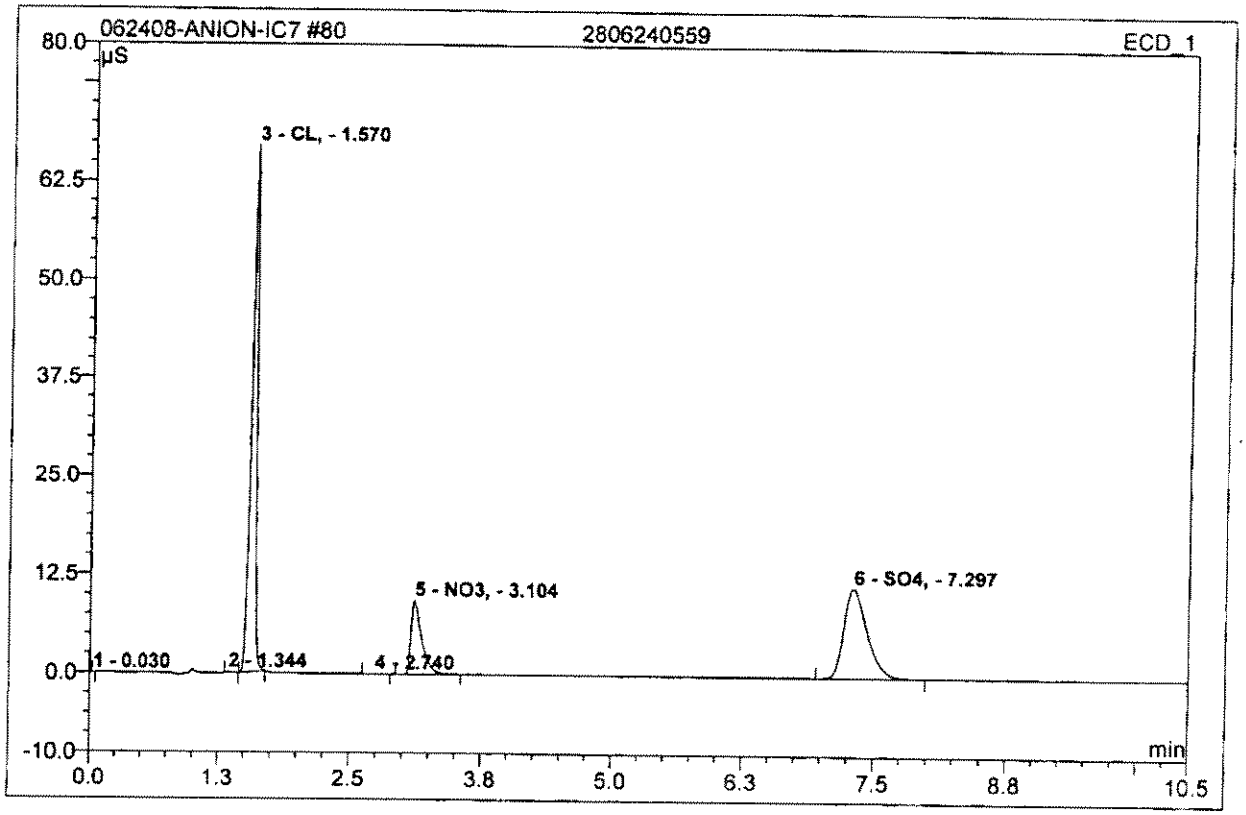
Sample Name:	**CCB**	*Injection Volume:*	**1000.0**
Vial Number:	**276**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 20:20**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*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	

80 2806240559

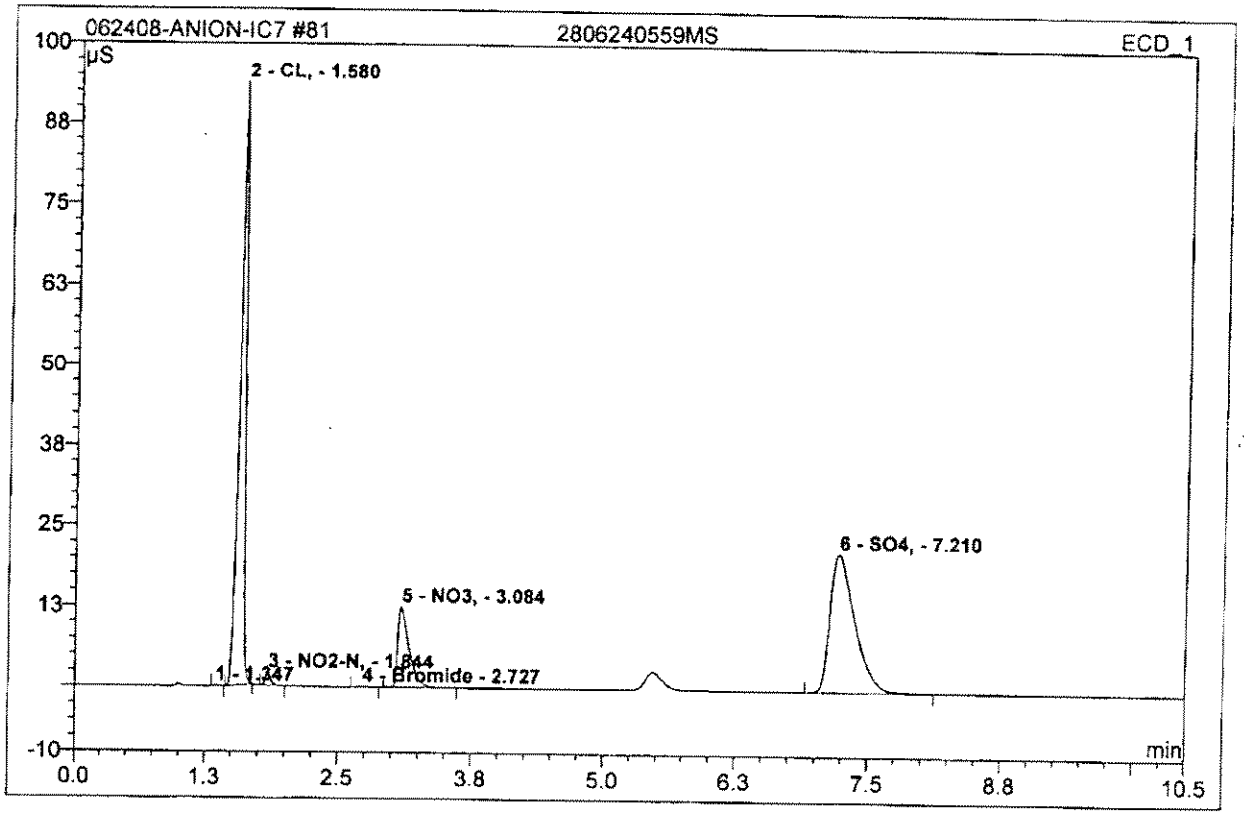
Sample Name:	**2806240559**	*Injection Volume:*	**1000.0**
Vial Number:	**286**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**2.0000**
Recording Time:	**6/24/2008 22:30**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
3	1.57	CL,	66.931	3.780	48.51	57.112	BMB
5	3.10	NO3,	9.303	1.105	14.17	8.254	BMB
6	7.30	SO4,	11.396	2.902	37.24	70.463	BMB
Total:			87.629	7.787	99.92	135.829	

81 2806240559MS

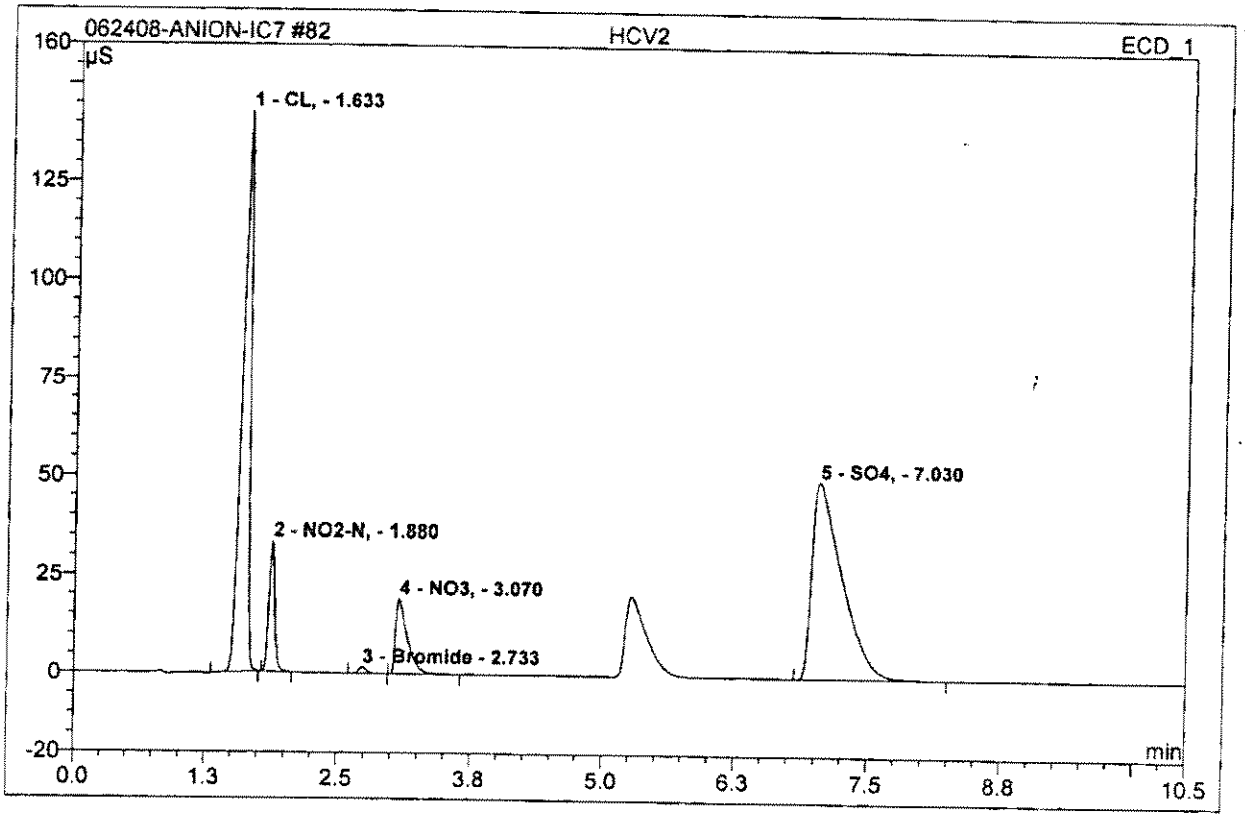
Sample Name:	**2806240559MS**	*Injection Volume:*	**1000.0**
Vial Number:	**287**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**2.0000**
Recording Time:	**6/24/2008 22:43**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.58	CL,	93.702	6.028	44.70	86.144	BMB
3	1.84	NO2-N,	2.070	0.127	0.94	1.084	BMB
4	2.73	Bromide	0.168	0.014	0.11	n.a.	BMB
5	3.08	NO3,	12.519	1.537	11.40	11.183	BMB
6	7.21	SO4,	21.552	5.774	42.81	131.830	BMB
Total:			130.011	13.482	99.96	230.241	

82 HCV2

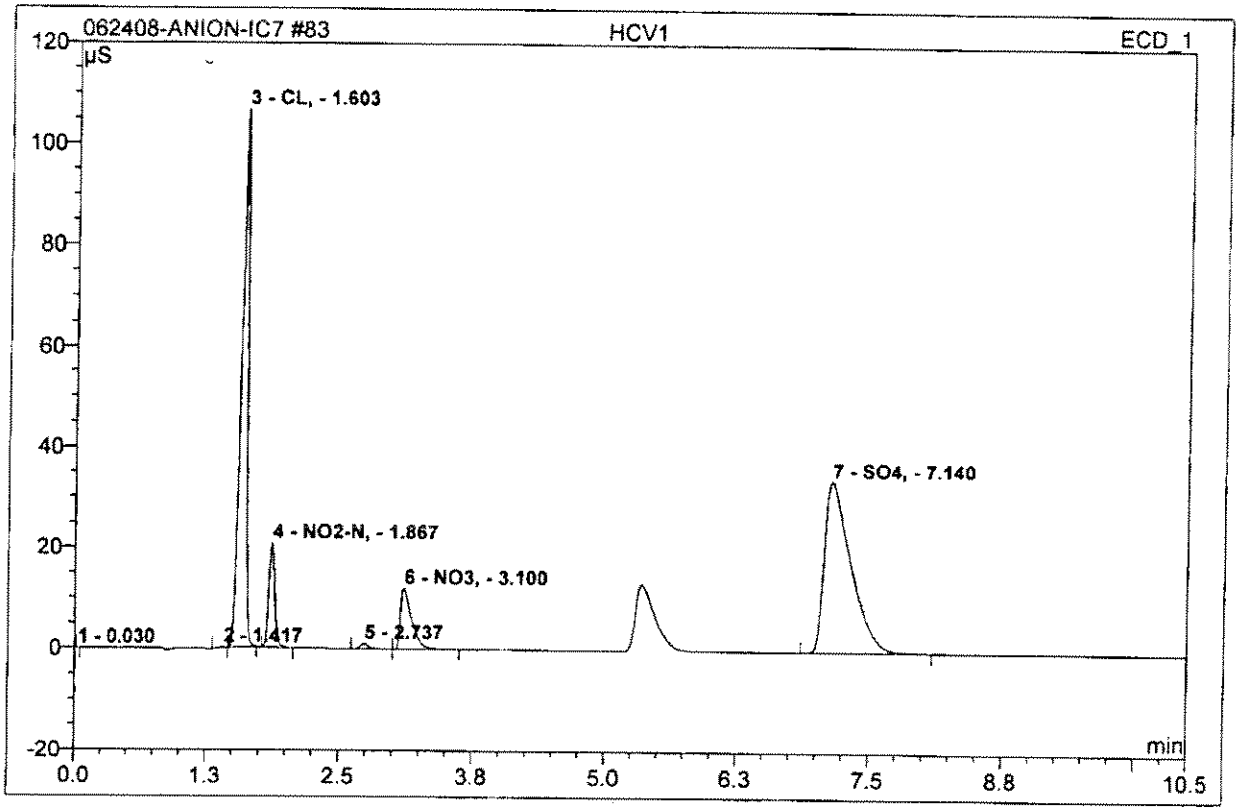
Sample Name:	**HCV2**	*Injection Volume:*	**1000.0**
Vial Number:	**288**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 22:56**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.63	CL,	142.646	12.434	37.09	78.471	BMB
2	1.88	NO2-N,	33.116	2.120	6.32	8.288	BMB
3	2.73	Bromide	1.688	0.145	0.43	n.a.	BMB
4	3.07	NO3,	19.091	2.430	7.25	8.409	BMB
5	7.03	SO4,	50.018	16.395	48.90	158.539	BMB
Total:			246.559	33.524	100.00	253.707	

83 HCV1

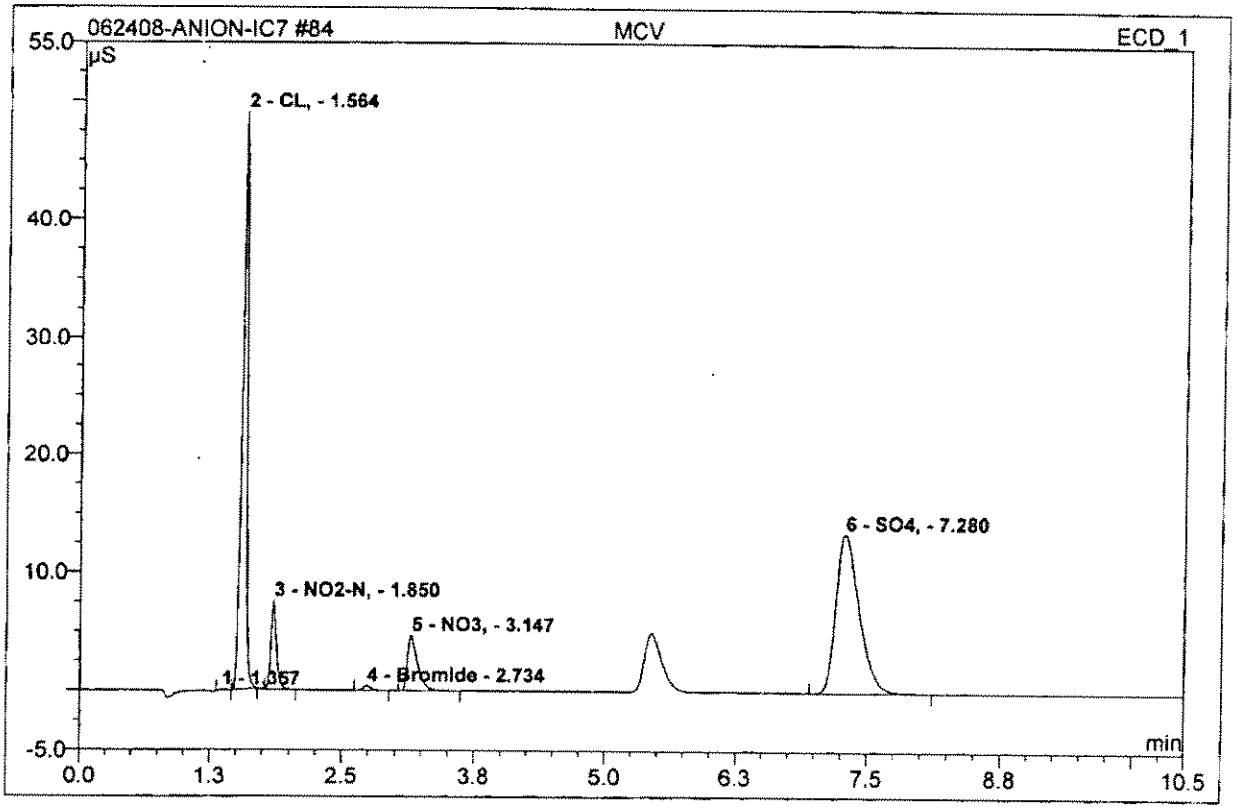
Sample Name:	**HCV1**	*Injection Volume:*	**1000.0**
Vial Number:	**289**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 23:09**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
3	1.60	CL,	106.565	7.542	37.29	52.126	BMB
4	1.87	NO2-N,	20.764	1.306	6.46	5.274	BMB
6	3.10	NO3,	12.002	1.449	7.16	5.299	BMB
7	7.14	SO4,	33.918	9.825	48.57	104.345	BMB
Total:			173.248	20.123	99.48	167.045	

84 MCV

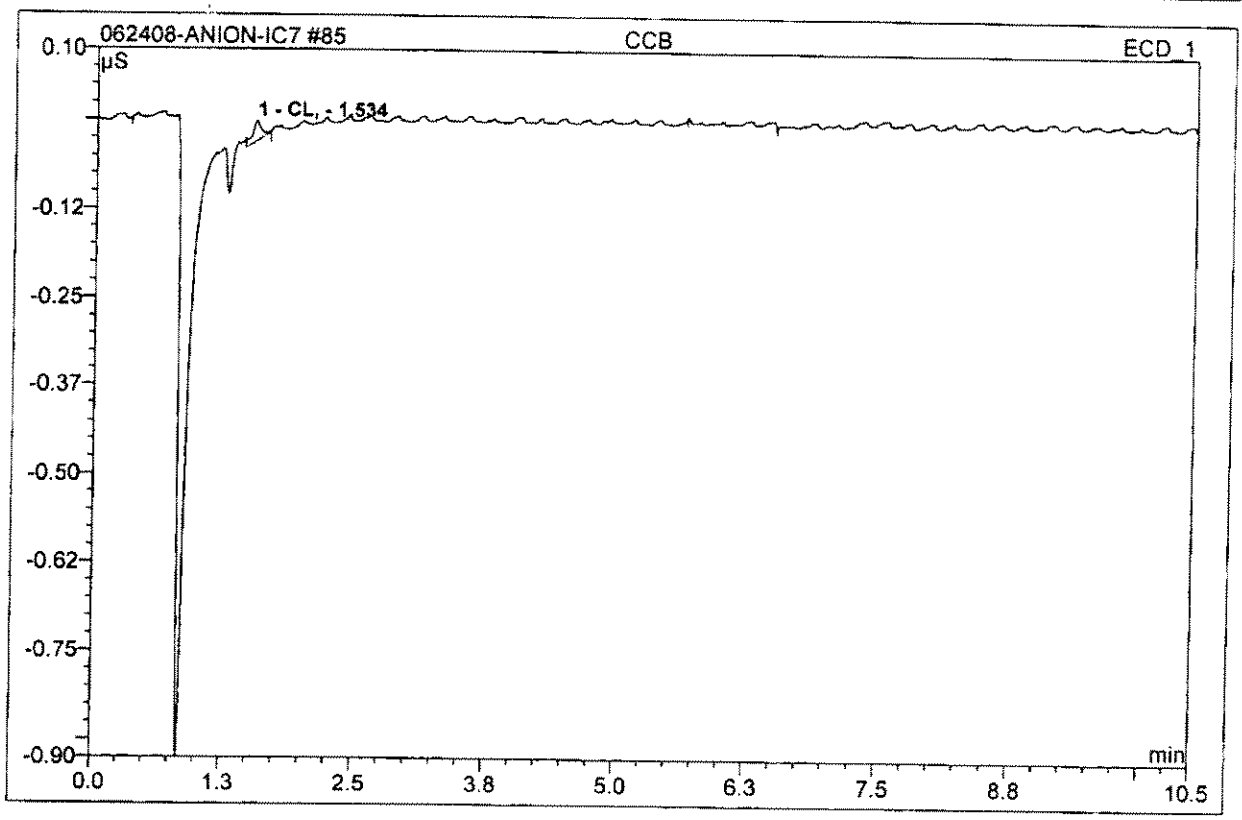
Sample Name:	**MCV**	*Injection Volume:*	**1000.0**
Vial Number:	**291**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 23:22**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
2	1.56	CL,	48.987	2.684	37.30	20.906	BMB
3	1.85	NO2-N,	7.493	0.476	6.62	1.995	BMB
4	2.73	Bromide	0.399	0.035	0.49	n.a.	BMB
5	3.15	NO3,	4.659	0.526	7.31	2.045	BMB
6	7.28	SO4,	13.499	3.467	48.18	41.546	BMB
Total:			75.037	7.188	99.89	66.491	

85 CCB

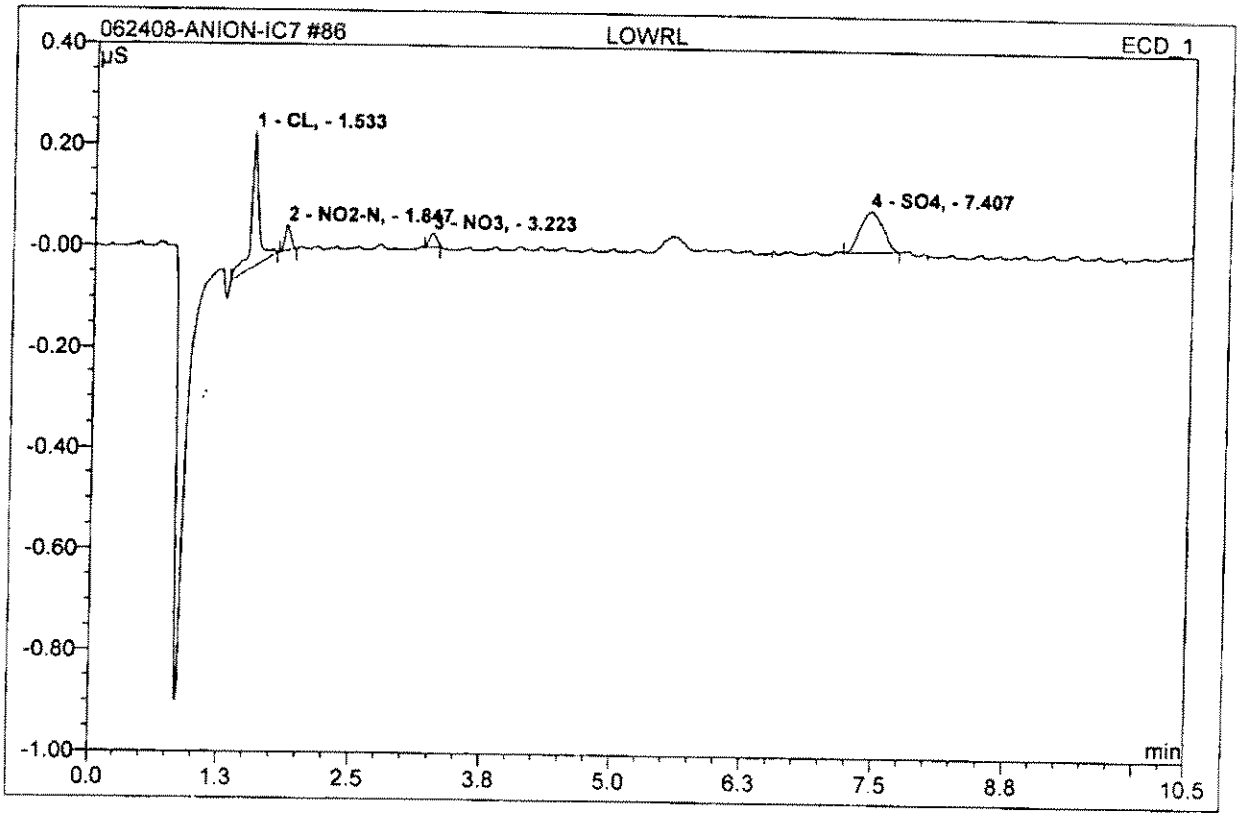
Sample Name:	**CCB**	*Injection Volume:*	**1000.0**
Vial Number:	**292**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 23:35**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL	0.029	0.003	100.00	0.023	BMB
Total:			0.029	0.003	100.00	0.023	

86 LOWRL

Sample Name:	**LOWRL**	*Injection Volume:*	**1000.0**
Vial Number:	**293**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**IC7-ANIONS PROGRAM**	*Bandwidth:*	**n.a.**
Quantif. Method:	**ANION-IC#7**	*Dilution Factor:*	**1.0000**
Recording Time:	**6/24/2008 23:48**	*Sample Weight:*	**1.0000**
Run Time (min):	**10.50**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.53	CL,	0.265	0.021	45.27	0.182	BMB
2	1.85	NO2-N,	0.050	0.003	6.66	0.014	BMB
3	3.22	NO3,	0.028	0.002	5.00	0.010	BMB
4	7.41	SO4,	0.082	0.020	43.07	0.267	BMB
Total:			0.425	0.047	100.00	0.472	

Standard Preparation Worksheet & Certificate of Analysis

Reagent Preparation Documentation

Page: 10

Reagent: Anions Autocal 2 level
Date Received/Prepped: 6/24/08 / 7/8/08 / 7/10/08 / 8/13/08 / / /
Date Expired: / / / / / /
Manufacturer: CPI
Storage Condition: Room temperature

MW #: SXK080624-1
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration mg/L
CPI Stock Std Soln A	12.5 ul } dilute to 100ml w/DIH2O	R20184A	0.125 Cl
			0.025 (NO3)N
CPI Stock Std Soln B	12.5 ul	R20184B	0.025 (NO2)N
			0.250 SO4

Comment: prepare fresh daily

Reagent: Anions autocal 3
Date Received/Prepped: 6/24/08 / 7/8/08 / 7/10/08 / 8/13/08 / / /
Date Expired: / / / / / /
Manufacturer: CPI
Storage Condition: Room temperature

MW #: SXK080624-2
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration mg/L
			0.25 Cl
CPI Stock Std Solution A	25ul } dilute to 100ml w/DIH2O	R20184A	0.025 (NO3)N
			0.025 (NO2)N
Solution B	25ul	R20184B	0.50 SO4

Comment: prepare fresh daily

Reagent: Anions Autocal 4 level
Date Received/Prepped: 6/24/08 7/8/08 / 7/8/08 / 7/10/08 / 8/13/08 /
Date Expired: / / / / / /
Manufacturer: CPI
Storage Condition: Room temperature

MW #: SXK080624-3
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration
			0.50 Cl
CPI Stock Std soln A	50 ul } dilute to 100ml w/DIH2O		0.05 (NO3)N
			0.05 (NO2)N
soln B	50 ul		1.0 SO4

Comment: prepare fresh daily

Reagent Preparation Documentation

Page: 11

Reagent: Anion Autocal 5
Date Received/Prepped: 6/24/08 / 7/8/08 / 8/13/08 / / /
Date Expired: / / / / /
Manufacturer: CPI
Storage Condition: room temperature

MW #: SXK080024-4
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration
			1.0 Cl
CPI standard stock soln A	100 ul	R201844A	0.1 (NO2)N
	dilute to 100ml w DiH2O		0.1 (NO3)N
solution B	100 ul	R201844B	2.0 SO4

mg/L

Comment: Prepare fresh daily.

Reagent: Anion Autocal 6
Date Received/Prepped: 6/24/08 / 7/8/08 / 8/13/08 / / /
Date Expired: / / / / /
Manufacturer: CPI
Storage Condition: room temperature

MW #: SXK080024-5
By: SXK
Matrix: aq
Amount: 150ml
Lot #:

Component	Comment	Standard	Concentration
			2.0 Cl
CPI standard stock soln A	200	R201844A	0.2 (NO2)N
	dilute to 100ml w DiH2O		0.2 (NO3)N
solution B	200	R201844B	4.0 SO4

mg/L

Comment: prepare fresh daily

Reagent: Anion Autocal 7
Date Received/Prepped: 6/24/08 / 7/8/08 / 8/13/08 / / /
Date Expired: / / / / /
Manufacturer: CPI
Storage Condition: Room temperature

MW #: SXK080024-6
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration
CPI standard stock soln A	500 ul	R201844A	5.0 Cl
	dilute to 100ml w DiH2O		0.5 (NO3)N
Solution B	500 ul	R201844B	0.5 (NO2)N
			10.0 SO4

mg/L

Comment: prepare fresh daily

Reagent Preparation Documentation

Reagent: Anion autocal 8 **MW #:** 080624-7
Date Received/Prepped: 6/24/08 / 7/8/08 / 8/13/08 / / **By:** SKK
Date Expired: / / / / / **Matrix:** aq
Manufacturer: CPI **Amount:** 100ml
Storage Condition: room temperature **Lot #:**

Component	Comment	Standard	Concentration
			10.0 Cl
CPI stock std soln A	1.0 ml } dilute to 100ml w/DIH2O	R20081144A	1.0 (NO2)N
			1.0 (NO3)N
soln B	1.0ml	R20081144B	20.0 SO4

mg/L

Comment: Prepare fresh daily.

Reagent: Anion Autocal 9 **MW #:** 080624-8
Date Received/Prepped: 6/24/08 / 7/8/08 / 8/13/08 / / **By:** SKK
Date Expired: / / / / / **Matrix:** aq
Manufacturer: CPI **Amount:** 100ml
Storage Condition: Room temperature **Lot #:**

Component	Comment	Standard	Concentration
			25.0 Cl
CPI stock std soln A	2.5 } dilute to 100ml w/DIH2O	R20184A	5.0 (NO3)N
			5.0 (NO2)N
soln B	2.5	R20184B	50.0 SO4

mg/L

Comment: prepare fresh daily

Reagent: Anion Autocal 10 / HCV1 **MW #:** 080624-9
Date Received/Prepped: 6/24/08 / 7/1/08 / 7/8/08 / 7/10/08 / 8/13/08 **By:** SKK
Date Expired: / / / / / **Matrix:** aq
Manufacturer: CPI **Amount:** 100ml
Storage Condition: room temperature **Lot #:**

Component	Comment	Standard	Concentration
			50.0 Cl
CPI Stnd Stock Soln A	5.0 ml } dilute to 100ml w DIH2O	R20184A	25.0 (NO3)N
			25.0 (NO2)N
soln B	5.0 ml	R20184B	100.0ml SO4

mg/L

Comment: prepare fresh daily

Reagent Preparation Documentation

Reagent: Anions Autocal II
Date Received/Prepped: 6/24/08 / 7/8/08 / 8/13/08 / / / /
Date Expired: / / / / /
Manufacturer: CPI
Storage Condition: room temperature

MW #: SXK080624-10
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration
			100.0
CPI Calibration Solution A	10.0ml	R201844A	510.0
	dilute to 100ml w/ DiH2O		10.0
Solution B	10.0ml	R201844B	200.0

Comment: prepare fresh daily

Reagent: Anions MCV
Date Received/Prepped: 6/24/08 / 7/1/08 / 7/7/08 / 7/9/08 / 8/13/08 /
Date Expired: / / / / /
Manufacturer: CPI
Storage Condition: Room temp

MW #: SXK080624-11
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration (mg/L)
			20.0 Cl
CPI Calibration Soln A	2.0ml	R201844A	2.0 (NO3)N
	dilute to 100ml w/ DiH2O		2.0 (NO2)N
Soln B	2.0ml	R201844B	40.0 SO4

Comment: prepare fresh daily

Reagent: Anions HCV2
Date Received/Prepped: 6/24/08 / 7/1/08 / 7/7/08 / 7/9/08 / 8/13/08 /
Date Expired: / / / / /
Manufacturer: CPI
Storage Condition: Room Temp

MW #: SXK080624-12
By: SXK
Matrix: aq
Amount: 100ml
Lot #:

Component	Comment	Standard	Concentration (mg/L)
			80.0 Cl
CPI Calibration Soln A	8.0 ml	R201844A	8.0 (NO3)N
	dilute to 100ml w/ DiH2O		8.0 (NO2)N
Soln B	8.0ml	R201844B	160.0 SO4

Comment: prepare fresh daily

R201844 rec'd 5-6-08

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The Netherlands www.cpiinternational.com

Innovative Solutions in Analytical Science and Technology

Expiry: 11/1/2009

Certificate of Analysis

Part Number: **4400-050110rh03** **Solution A**
Lot Number: **08E004**
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.

Reagent Documentation

Reagent: Buffer Soln. Custom pH 8.5
Date Received: 06 May 08
Date Expired: 30 April 09
Manufacturer: CPI
Storage Condition: room temp

Reagent #: 201843
By: TJH
Matrix: aq
Amount: 6x500mL
Lot #: 18934

Component	Comment	Standard	Concentration
	CPI #CPI3652-08		

Comment:

Reagent: Anion Calibration Stds. Soln A+B
Date Received: 06 May 08
Date Expired: 01 NOV 09
Manufacturer: CPI
Storage Condition: room temp

Reagent #: 201844
By: TJH
Matrix: aq
Amount: 20x100mL
Lot #: 08EC04

Component	Comment	Standard	Concentration
	CPI #7100-050110-h 03		

Comment:

Reagent: Cyanide 1000µg/mL in 0.5% KOH
Date Received: 06 May 08
Date Expired: 29 Apr. 09
Manufacturer: Hop Purity Std.
Storage Condition: Refrigerator

Reagent #: 201845
By: TJH
Matrix: aq
Amount: 100mL
Lot #: 080952

Component	Comment	Standard	Concentration
	HP# IC-CN-M		

Comment:

INORGANIC™ VENTURES

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

2.0 **DESCRIPTION OF CRM** Ion Chromatography Custom Solution

Catalog No.: MWH-ANION-300.0

Lot Number: **Z-ION21008**

Matrix: H2O

R201520 bottle A

5,000.00 µg/mL each: Sulfate,

2,500.00 µg/mL each: Chloride,

1,000.00 µg/mL each: o-Phosphate as P,

250.00 µg/mL each: Nitrate_ as_ N,

50.00 µg/mL each: Bromide

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ION	CERTIFIED VALUE	ION	CERTIFIED VALUE	ION	CERTIFIED VALUE
Bromide	49.86 ± 0.12 µg/mL	Chloride	2,496 ± 6 µg/mL	Nitrate_ as_ N	250.7 ± 1.0 µg/mL
o-Phosphate as P	1,004 ± 2 µg/mL	Sulfate	5,002 ± 11 µg/mL		

Certified Density: 1.012 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty:

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors
(Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

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2.0 **DESCRIPTION OF CRM** Ion Chromatography Custom Solution

Catalog No.: ICNNO2100

Lot Number: **Z-ION21009**

Matrix: H2O

R201520 bottle B

100.00 µg/mL each: Nitrite_ as_ N

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ION	CERTIFIED VALUE	ION	CERTIFIED VALUE	ION	CERTIFIED VALUE
Nitrite_ as_ N	100.3 ± 0.3 µg/mL				

Certified Density: 0.998 g/mL (measured at 22° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty:

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ $(\bar{x})$ = mean, x_i = individual results, n = number of measurements

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$ Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ION	METHOD	NIST SRM#	SRM LOT#	ION	METHOD	NIST SRM#	SRM LOT#
Nitrite_as_N	IC Assay	40h	40h	Nitrite_as_N	Gravimetric		See Sec. 4.2

Reagent Documentation

gent: Nitrate Buffer
e Received: 15 ~~14~~ 14th Nov 06
e Expired: 26 Sept. 07
ufacturer: CPI
rage Condition:

Reagent #: 201519
By: TLH
Matrix: aq
Amount: 4x 1Kg (500mL)
Lot #: 14566

Component	Comment	Standard	Concentration
	CPI #1400-LAN-6 3F		

nment:

gent: MWH Anion Mix Std LCS Stock
e Received: 17 Nov 06
e Expired: 1 Dec 07
ufacturer: Inorganic Ventures
rage Condition: refrigerate 4±2°C

Reagent #: 201520
By: LMR
Matrix: aq
Amount: 8x125ml A & 8x125ml B
Lot #: Z-ION21008 (A) 21009(B)

Component	Comment	Standard	Concentration
	MWH-Anion-300.0 - bottle A		
	ICNNO2100 - bottle B		

nment:

gent: COD Low Range Vials
e Received: 21 Nov 06 / 25 Jan 07 / 02 May 07
e Expired: Nov 2011 / Jan 2012 / May 2012
ufacturer: WTW
rage Condition: room temperature

Reagent #: 201521
By: TLH
Matrix: aq
Amount: 150 vials / 2x1 Packs
Lot #: 10246

Component	Comment	Standard	Concentration
	WTW #253112		

nment:

Reagent Preparation Documentation

Reagent: Anions LCS/LCSD
Date Received/Prepped: 4/17/08/~~4/22/08~~/5/6/08/5/21/08/5/28/08/
Date Expired: 6/3/08/6/9/08/6/20/08/6/26/08/~~7/11/08~~ 7/7/08
Manufacturer: ~~IC~~ Inorganic ventures
Storage Condition: room temperature

MW #: SXK~~080417~~080417-2
By: SXK
Matrix: aq
Amount: 100mL
Lot #:

Component	Comment	Standard	Concentration
Inorganic ventures Stock Solution A	1.0 mL } dilute to 100mL w/ DIH2O	R201520-A	Cl 25.0 NO3(NO2) 2.50
Stock Solution B	1.0mL }	R201520-B	SO4 50.0 NO3(NO2) 1.00

mg/L

Comment: prepare fresh daily

Reagent: Anions 20 ppm check
Date Received/Prepped: 4/17/08/4/28/08/5/28/08/6/4/08/6/16/08/~~7/11/08~~
Date Expired: 7/8/08 / / / / /
Manufacturer: ~~IC~~ Inorganic ventures
Storage Condition: room temperature

MW #: SXK080417-3
By: SXK
Matrix: aq
Amount: 100mL
Lot #:

Component	Comment	Standard	Concentration
~~Inorganic ventures~~ Stock Solution A	8.0mL dilute to 100mL w/ DIH2O	201756	
Inorganic ventures			

Comment: prepare fresh daily.

Reagent: Anion Eluent Stock SOLN
Date Received/Prepped: 4/18/08/~~4/23/08/4/23/08~~ / /
Date Expired: 5/28/08/ / / / /
Manufacturer:
Storage Condition: room temperature

MW #: SXK080418-1
By: SK
Matrix: aq
Amount: 1L
Lot #:

Component	Comment	Standard	Concentration
Na2CO3	19.09g } dissolve in 1L DIH2O	R201302	
NaHCO3	14.28g	R201472	

Comment: