

Clear table

IC-4 300.0

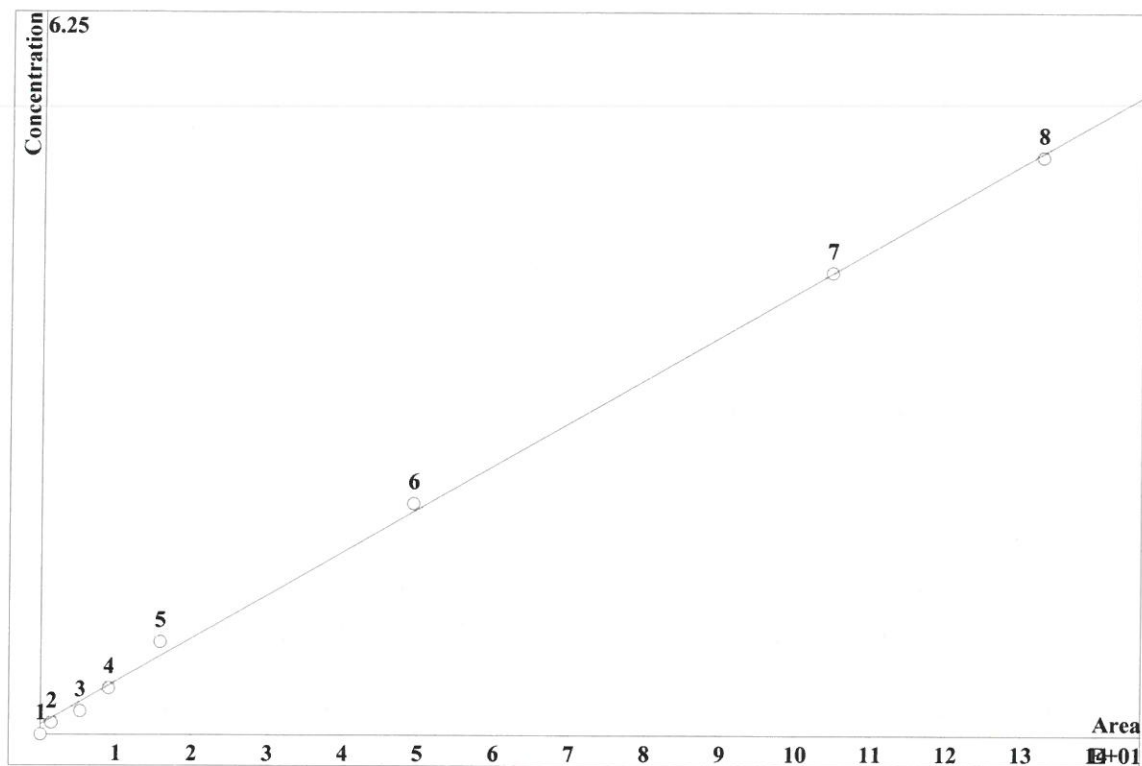
03-04-19 AK

ident	concentrati on F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-02-27_	2/27/19 18:09		AK/AP
STD2	0.1440	0.2190	0.2540	0.7730	0.1980	-0.0420	1.1160	2019-02-27_	2/27/19 18:40		AK/AP
STD3	0.2840	0.3500	0.3710	1.2140	0.3040	0.3760	1.7840	2019-02-27_	2/27/19 19:11		AK/AP
STD4	0.4270	0.6170	0.6190	2.0660	0.5180	1.1000	3.0810	2019-02-27_	2/27/19 19:42		AK/AP
STD5	0.6810	1.1710	1.1770	3.8900	0.9700	2.2710	5.8470	2019-02-27_	2/27/19 20:13		AK/AP
STD6	1.9300	2.8500	2.8070	9.4490	2.3620	5.2240	14.1640	2019-02-27_	2/27/19 20:44		AK/AP
STD7	3.9960	5.9450	5.8180	19.6120	4.8850	9.8520	29.7840	2019-02-27_	2/27/19 21:14		AK/AP
STD8	5.0370	7.5980	7.7020	25.4950	6.3870	12.4680	37.9740	2019-02-27_	2/27/19 21:45		AK/AP
ICV	2.0570	2.9980	2.9520	9.7910	2.4500	5.4480	14.7470	2019-02-27_	2/27/19 22:16		AK/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-02-27_	2/27/19 22:47		AK/AP
CCV	1.9820	3.0350	3.0930	10.0690	2.5190	4.7260	14.7370	2019-03-01_	3/1/19 8:16		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-01_	3/1/19 8:53		AK/AP
LB101136BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-01_	3/1/19 9:24		AK/AP
LB101136BSW	2.0140	2.9350	3.0040	9.8290	2.4430	5.1240	14.8030	2019-03-01_	3/1/19 9:55		AK/AP
K1560-07	0.1150	0.1780	0.1970	0.5730	0.1490	-0.2780	0.8370	2019-03-01_	3/1/19 11:08		AK/AP
K1701-02	0.0000	44.8680	0.0000	0.0000	0.0000	0.0000	2.2520	2019-03-01_	3/1/19 12:41		AK/AP
K1701-04	0.0000	44.9460	0.0000	0.0000	0.0000	0.0000	2.4850	2019-03-01_	3/1/19 13:12		AK/AP
K1701-04DUP	0.0000	45.6070	0.0000	0.0000	0.0000	0.0000	2.4700	2019-03-01_	3/1/19 13:43		AK/AP
K1701-04MS	2.0650	44.0660	2.9520	9.6080	2.4250	5.9170	16.7150	2019-03-01_	3/1/19 14:14		AK/AP
K1701-04MSD	2.1270	43.8470	3.0120	9.9190	2.5080	6.2040	17.5220	2019-03-01_	3/1/19 14:45		AK/AP
CCV	1.8790	3.0920	3.0650	9.9620	2.4830	5.0330	15.0840	2019-03-01_	3/1/19 15:16		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-01_	3/1/19 16:23		AK/AP
K1718-01	0.7140	62.5890	1.7050	0.0000	0.2080	0.0000	358.1420	2019-03-01_	3/1/19 18:58		AK/AP
CCV	1.9620	3.0420	3.1360	10.0450	2.5170	5.3340	15.4730	2019-03-01_	3/1/19 21:23		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-01_	3/1/19 21:54		AK/AP
CCV	1.9780	2.9680	3.0280	9.8980	2.4610	4.1620	15.1100	2019-03-04_	3/4/19 9:22		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-04_	3/4/19 9:53		AK/AP
LB101136BLW2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-04_	3/4/19 10:24		AK/AP
LB101136BSW2	1.9400	3.0010	3.0830	9.7660	2.4850	4.7010	15.2160	2019-03-04_	3/4/19 10:55		AK/AP
K1718-01DLX20	0.0000	2.5990	0.0000	0.0000	0.0000	0.0000	14.4400	2019-03-04_	3/4/19 11:26		AK/AP
CCV	1.9600	2.9660	3.0870	9.7580	2.4810	4.6430	15.2450	2019-03-04_	3/4/19 11:57		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-03-04_	3/4/19 12:28		AK/AP

CALIBRATION OF COMPONENT F-

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 0.746554 \cdot A + 1.7999$
 RSD: 4.352 %
 Correlation coefficient: 0.999358

IC-1
 Cal- 02-27-19
 AR



K3 = 0 K2 = 0 K1 = 0.746554 K0 = 1.7999

Base: Area

Ref.channel: Cond

ISTD:

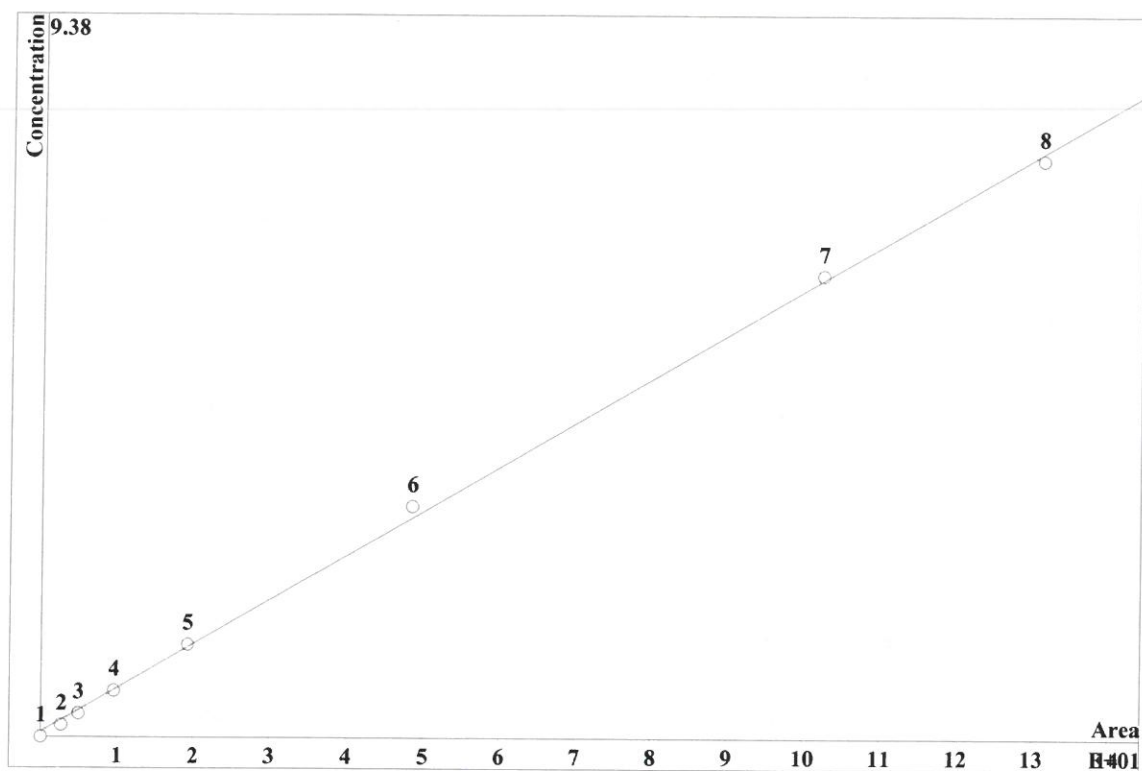
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.05671	1.434	0.1	20	5.913	Yes	
3	0.1522	5.21	0.2	20	5.913	Yes	
4	0.2783	9.028	0.4	20	5.913	Yes	
5	0.5995	15.84	0.8	20	5.913	Yes	
6	1.716	49.29	2	20	5.913	Yes	
7	3.777	104.7	4	20	5.913	Yes	
8	4.789	132.5	5	20	5.913	Yes	

CALIBRATION OF COMPONENT CL-

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 1.14844 \cdot A + 1.34304$
 RSD: 3.474 %
 Correlation coefficient: 0.999591



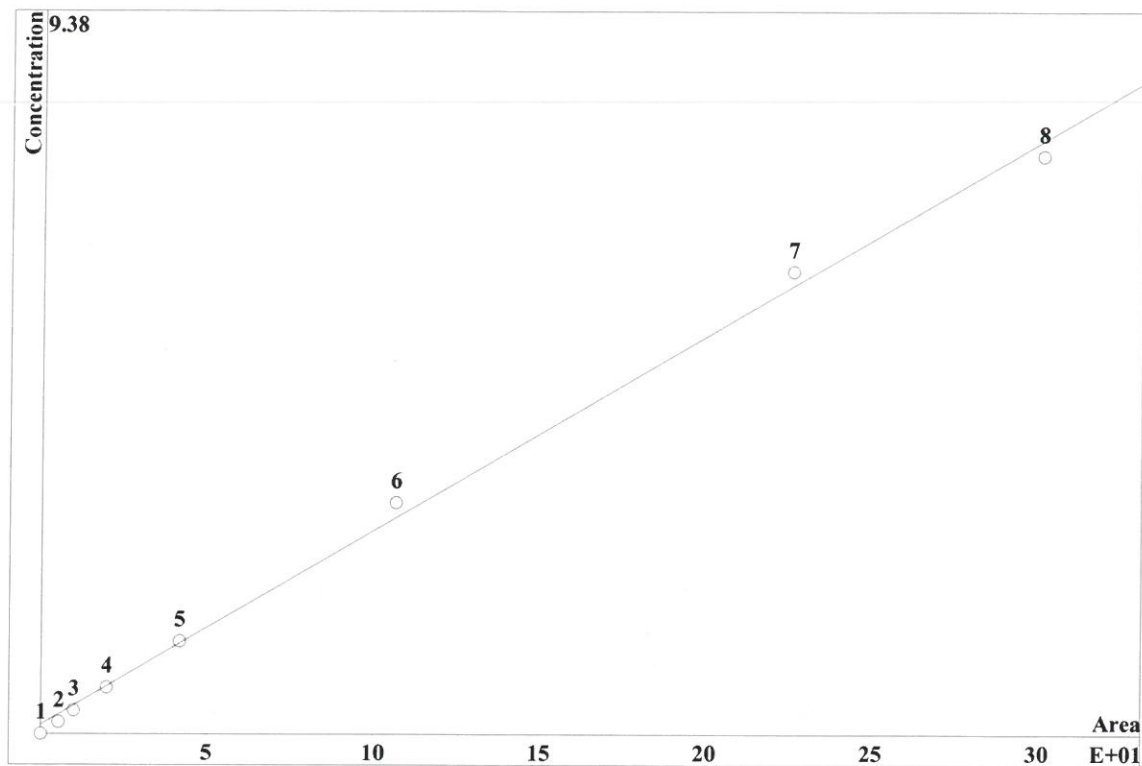
K3 = 0 K2 = 0 K1 = 1.14844 K0 = 1.34304

Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1192	2.642	0.15	20	8.858		Yes
3	0.2214	4.918	0.3	20	8.858		Yes
4	0.4387	9.576	0.6	20	8.858		Yes
5	0.8833	19.23	1.2	20	8.858		Yes
6	2.23	48.47	3	20	8.858		Yes
7	4.737	102.4	6	20	8.858		Yes
8	6.063	131.1	7.5	20	8.858		Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 0.503298 \cdot A + 2.45717$
 RSD: 5.969 %
 Correlation coefficient: 0.998792



K3 = 0 K2 = 0 K1 = 0.503298 K0 = 2.45717

Base: Area

Ref.channel: Cond

ISTD:

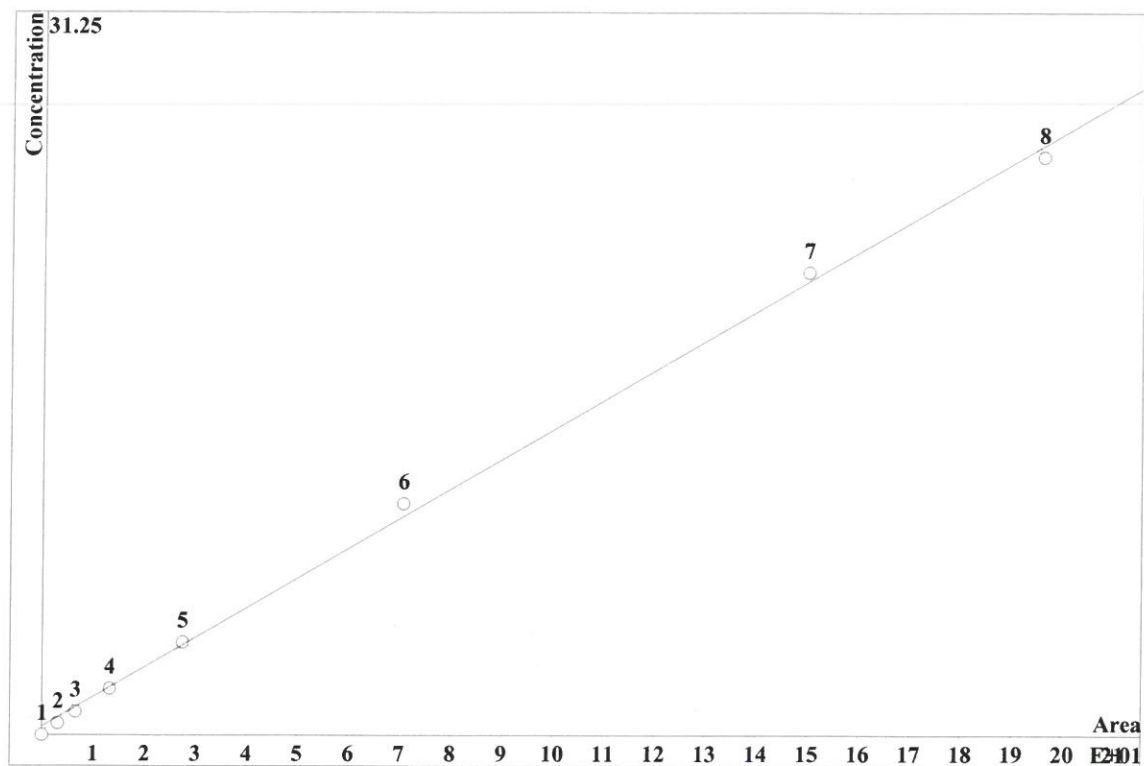
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1964	5.212	0.15	20	10.65		Yes
3	0.3885	9.857	0.3	20	10.65		Yes
4	0.7663	19.73	0.6	20	10.65		Yes
5	1.619	41.91	1.2	20	10.65		Yes
6	4.125	106.7	3	20	10.65		Yes
7	8.718	226.3	6	20	10.65		Yes
8	11.31	301.2	7.5	20	10.65		Yes

CALIBRATION OF COMPONENT BR-

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 2.56444 \cdot A + 7.46077$
 RSD: 4.580 %
 Correlation coefficient: 0.999289



K3 = 0 K2 = 0 K1 = 2.56444 K0 = 7.46077

Base: Area

Ref.channel: Cond

ISTD:

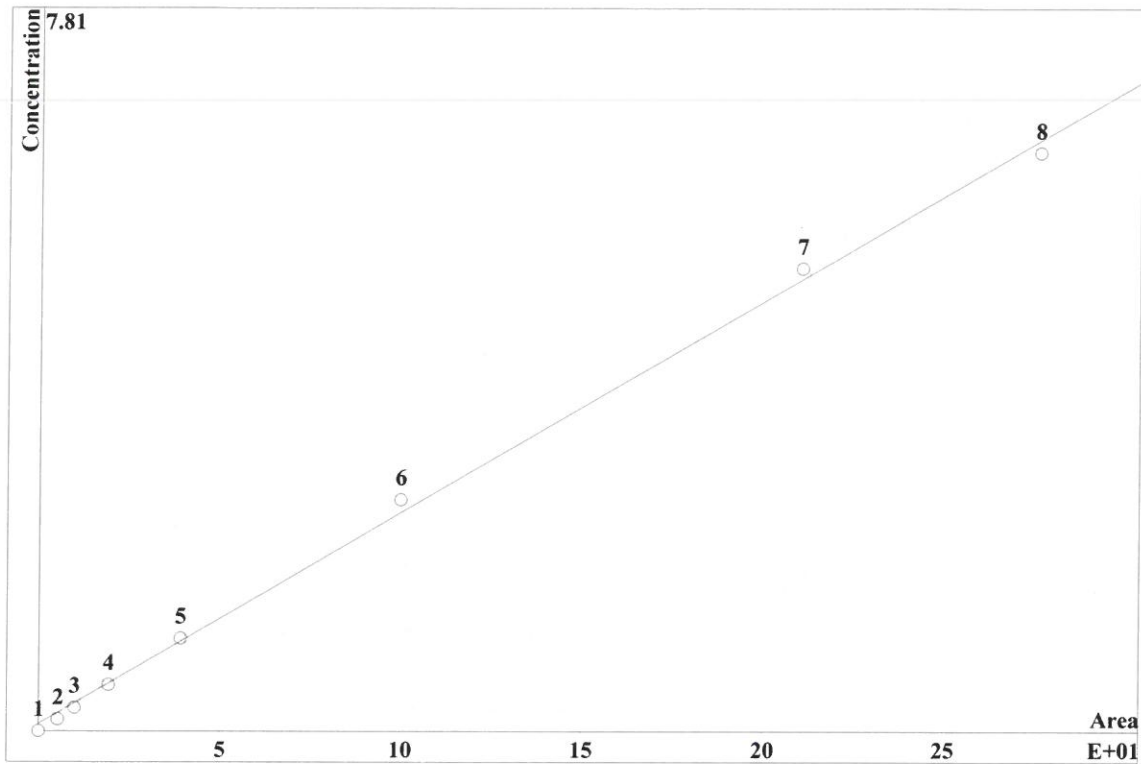
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1098	3.121	0.5	20	13.72		Yes
3	0.2264	6.56	1	20	13.72		Yes
4	0.4552	13.2	2	20	13.72		Yes
5	0.9517	27.43	4	20	13.72		Yes
6	2.48	70.79	10	20	13.72		Yes
7	5.394	150	20	20	13.72		Yes
8	6.943	195.9	25	20	13.72		Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 0.456341 \cdot A + 1.61222$
 RSD: 4.932 %
 Correlation coefficient: 0.999175

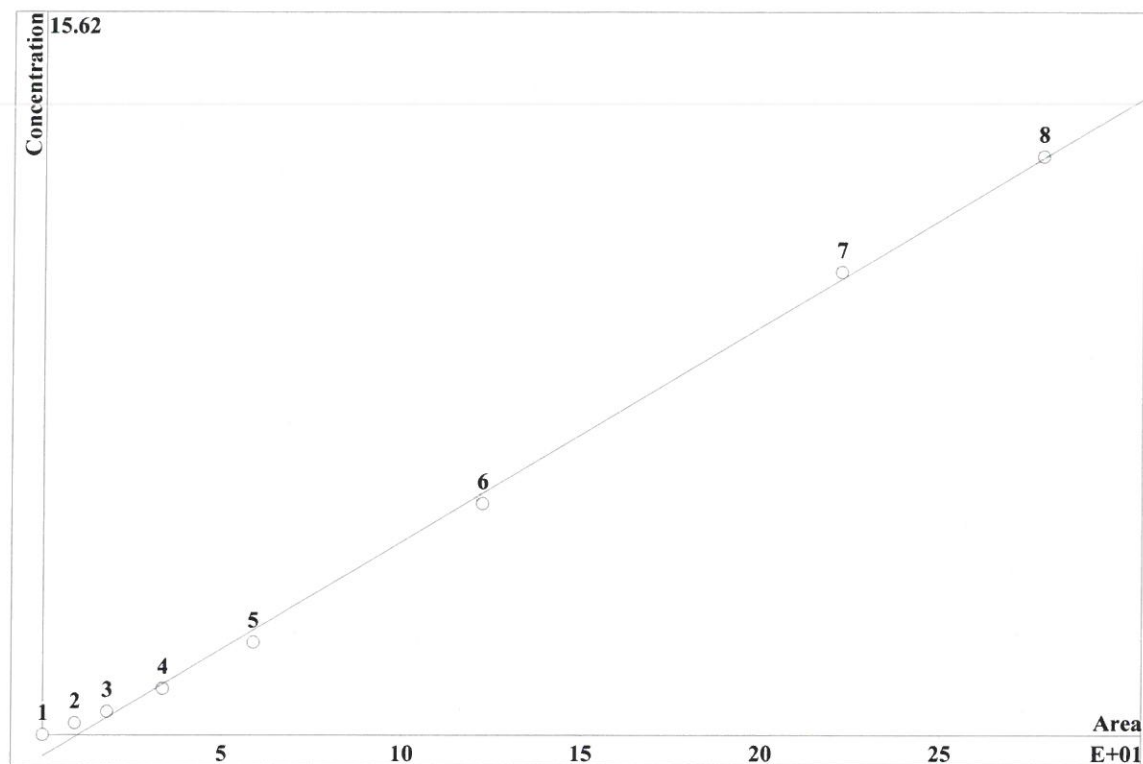


K3 = 0 K2 = 0 K1 = 0.456341 K0 = 1.61222
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.1476	5.151	0.125	20	15.65			Yes
3	0.2813	9.806	0.25	20	15.65			Yes
4	0.5551	19.18	0.5	20	15.65			Yes
5	1.13	38.98	1	20	15.65			Yes
6	2.867	99.99	2.5	20	15.65			Yes
7	6.187	210.6	5	20	15.65			Yes
8	7.974	276.4	6.25	20	15.65			Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 0.928016 \cdot A - 9.15535$
 RSD: 5.079 %
 Correlation coefficient: 0.999125



K3 = 0 K2 = 0 K1 = 0.928016 K0 = -9.15535

Base: Area

Ref.channel: Cond

ISTD:

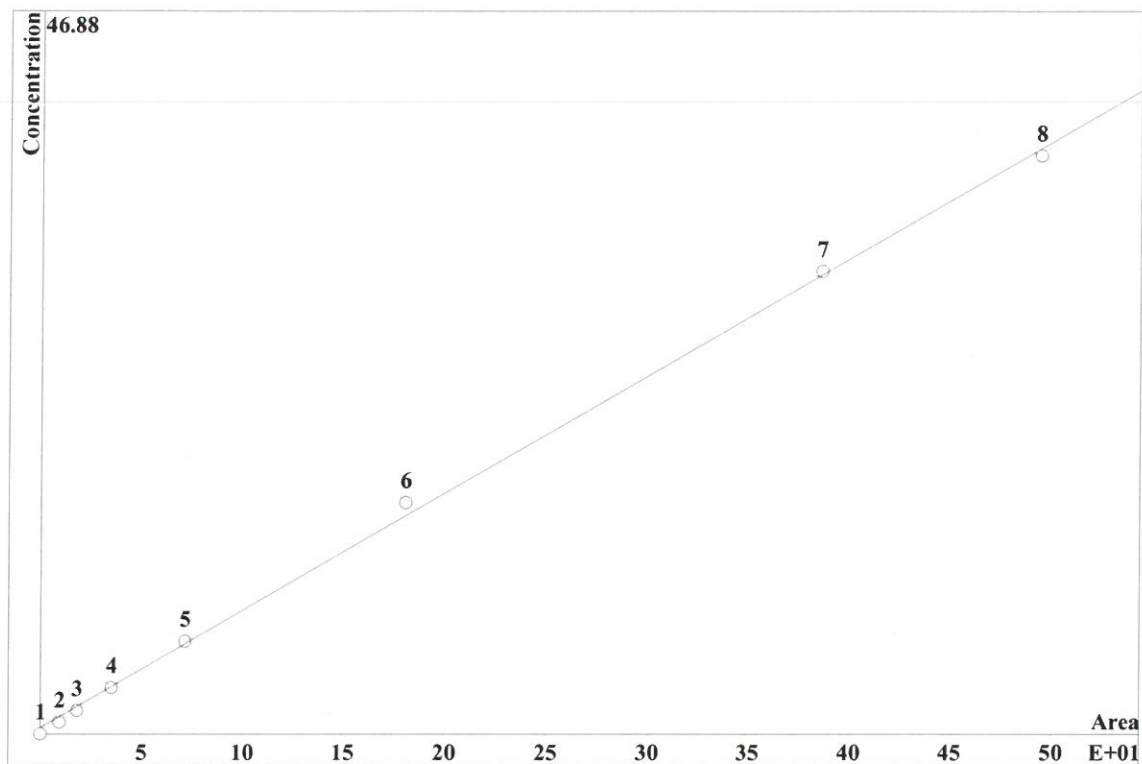
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1587	8.969	0.25	20	21.48		Yes
3	0.3073	17.98	0.5	20	21.48		Yes
4	0.5471	33.58	1	20	21.48		Yes
5	0.9992	58.82	2	20	21.48		Yes
6	2.228	122.4	5	20	21.48		Yes
7	4.203	222.2	10	20	21.48		Yes
8	5.28	278.6	12.5	20	21.48		Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 02-27-19.mtw
 Equation: $Q = 1.51971 \cdot A + 8.28456$
 RSD: 3.682 %
 Correlation coefficient: 0.999541



K3 = 0 K2 = 0 K1 = 1.51971 K0 = 8.28456

Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.196	9.239	0.75	20	25.17		Yes
3	0.3844	18.03	1.5	20	25.17		Yes
4	0.7492	35.1	3	20	25.17		Yes
5	1.532	71.49	6	20	25.17		Yes
6	3.919	180.9	15	20	25.17		Yes
7	8.35	386.5	30	20	25.17		Yes
8	10.65	494.3	37.5	20	25.17		Yes

Report date: 2/28/2019 9:16:50 AM
Printed by: wet

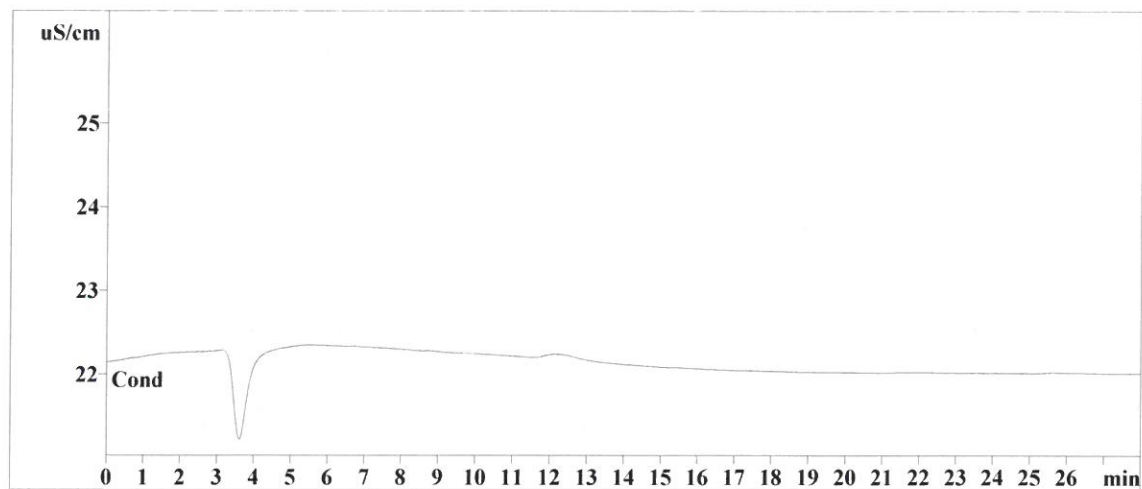
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Analysis from: 2/27/2019 6:09:30 PM
File: _2019-02-27_

Last save: 2/28/2019 8:31:36 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65400

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 2
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
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Report date: 2/28/2019 9:20:43 AM
Printed by: wet

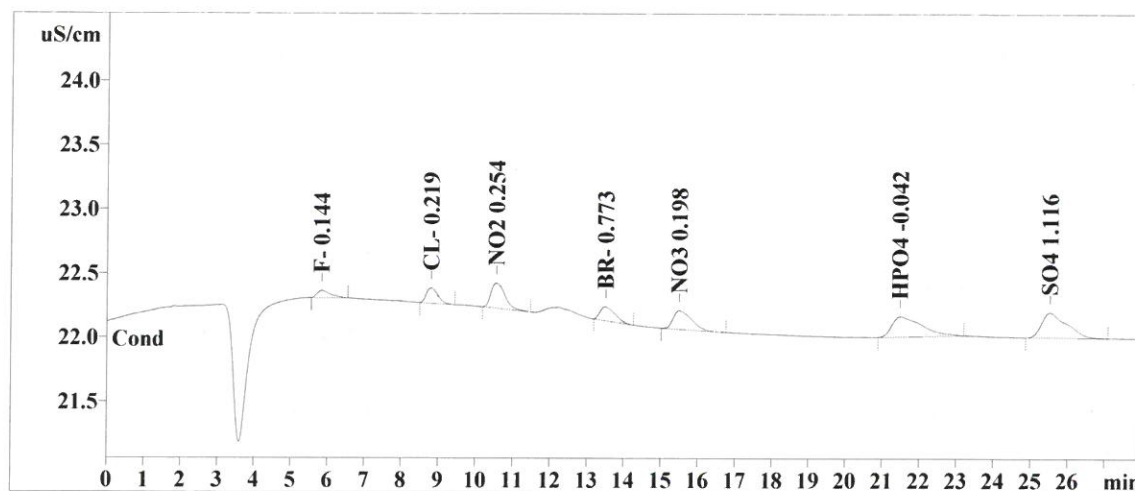
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Analysis from: 2/27/2019 6:40:24 PM
File: _2019-02-27_

Last save: 2/28/2019 9:18:44 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65401

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 3
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.84	0.373	0.06	5.68	1.434	4.01	0.
2	8.80	0.350	0.12	12.01	2.642	7.39	0.
3	10.56	0.411	0.20	19.87	5.212	14.57	0.
4	13.50	0.464	0.11	11.08	3.121	8.73	0.
5	15.49	0.559	0.15	14.88	5.151	14.40	0.
6	21.48	0.891	0.16	16.06	8.969	25.08	0.
7	25.51	0.788	0.20	19.83	9.239	25.83	0.
7	28.00	0.548	0.98	99.42	35.768	100.00	0.

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Report date: 2/28/2019 9:21:24 AM
Printed by: wet

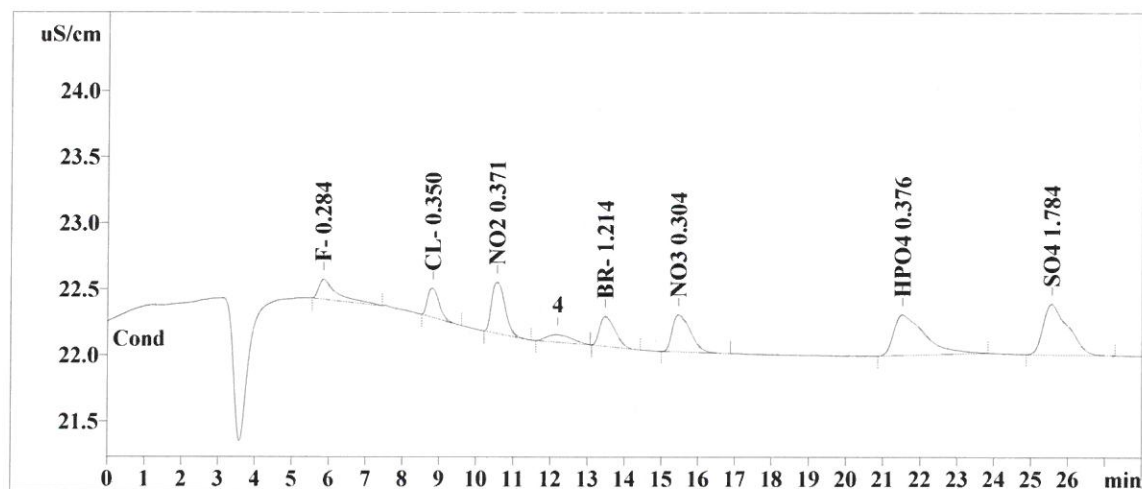
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Analysis from: 2/27/2019 7:11:19 PM
File: _2019-02-27_

Last save: 2/28/2019 9:18:44 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65402

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 4
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.84	0.414	0.15	7.50	5.210	6.94	0.
2	8.80	0.349	0.22	10.94	4.918	6.55	0.
3	10.56	0.403	0.39	19.20	9.857	13.13	0.
4	13.47	0.465	0.23	11.19	6.560	8.74	0.
5	15.45	0.557	0.28	13.91	9.806	13.06	0.
6	21.50	0.881	0.31	15.17	17.977	23.95	0.
7	25.54	0.787	0.38	19.01	18.027	24.02	0.
7	28.00	0.551	1.96	96.91	72.356	96.40	0.

This report has been created by IC Net
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Report date: 2/28/2019 9:23:04 AM
Printed by: wet

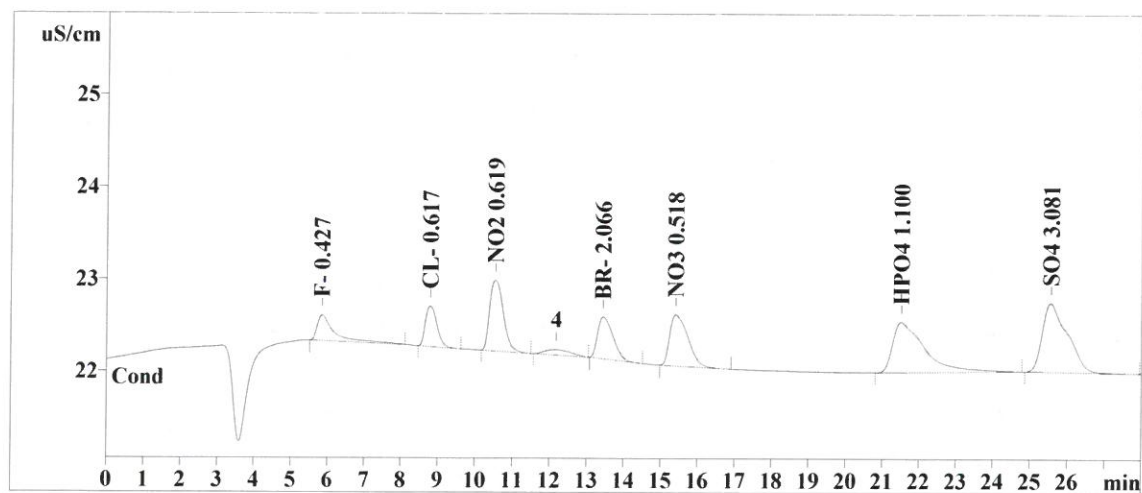
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Analysis from: 2/27/2019 7:42:14 PM
File: _2019-02-27_

Last save: 2/28/2019 9:18:44 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65403

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 5
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.84	0.383	0.28	7.22	9.028	6.34	0.
2	8.79	0.344	0.44	11.38	9.576	6.73	0.
3	10.54	0.405	0.77	19.90	19.733	13.87	0.
4	13.44	0.461	0.45	11.81	13.202	9.28	0.
5	15.40	0.554	0.55	14.40	19.180	13.48	0.
6	21.51	0.882	0.55	14.19	33.578	23.60	0.
7	25.55	0.783	0.75	19.46	35.095	24.66	0.
7	28.00	0.545	3.79	98.36	139.392	97.95	0.

This report has been created by IC Net
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Report date: 2/28/2019 9:24:24 AM
Printed by: wet

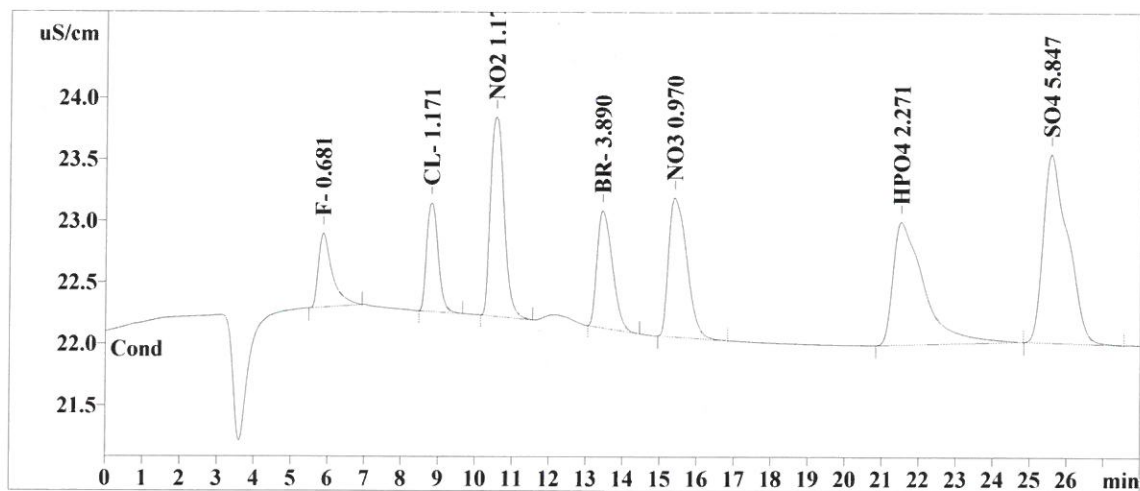
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Analysis from: 2/27/2019 8:13:08 PM
File: _2019-02-27_

Last save: 2/28/2019 9:18:44 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65404

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 6
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.86	0.374	0.60	7.77	15.838	5.79	0.
2	8.80	0.342	0.88	11.44	19.230	7.03	0.
3	10.55	0.406	1.62	20.98	41.906	15.31	0.
4	13.44	0.458	0.95	12.33	27.427	10.02	0.
5	15.37	0.551	1.13	14.64	38.979	14.24	0.
6	21.51	0.851	1.00	12.94	58.818	21.49	0.
7	25.56	0.784	1.53	19.85	71.494	26.12	0.
7	28.00	0.538	7.71	99.96	273.692	100.00	0.

This report has been created by IC Net
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Report date: 2/28/2019 9:24:34 AM
 Printed by: wet

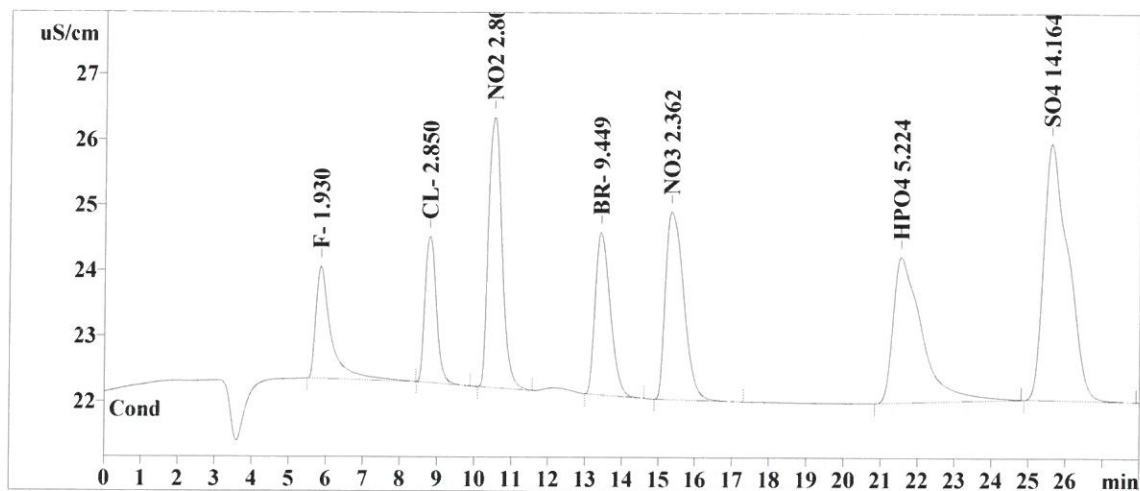
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 Analysis from: 2/27/2019 8:44:02 PM
 File: _2019-02-27_

Last save: 2/28/2019 9:18:44 AM

Method: ANIONS 02-27-19.mtw
 Run operator: wet
 Analysis number: 65405

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
 : AK/AP
 Vial number: 7
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.85	0.367	1.72	8.77	49.291	7.26	0.
2	8.78	0.339	2.23	11.40	48.466	7.14	0.
3	10.52	0.406	4.13	21.09	106.679	15.72	0.
4	13.41	0.449	2.48	12.67	70.786	10.43	0.
5	15.33	0.553	2.87	14.65	99.992	14.73	0.
6	21.53	0.805	2.23	11.39	122.448	18.04	0.
7	25.60	0.775	3.92	20.03	180.950	26.66	0.
7	28.00	0.528	19.56	99.99	678.611	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 2/28/2019 9:24:44 AM
Printed by: wet

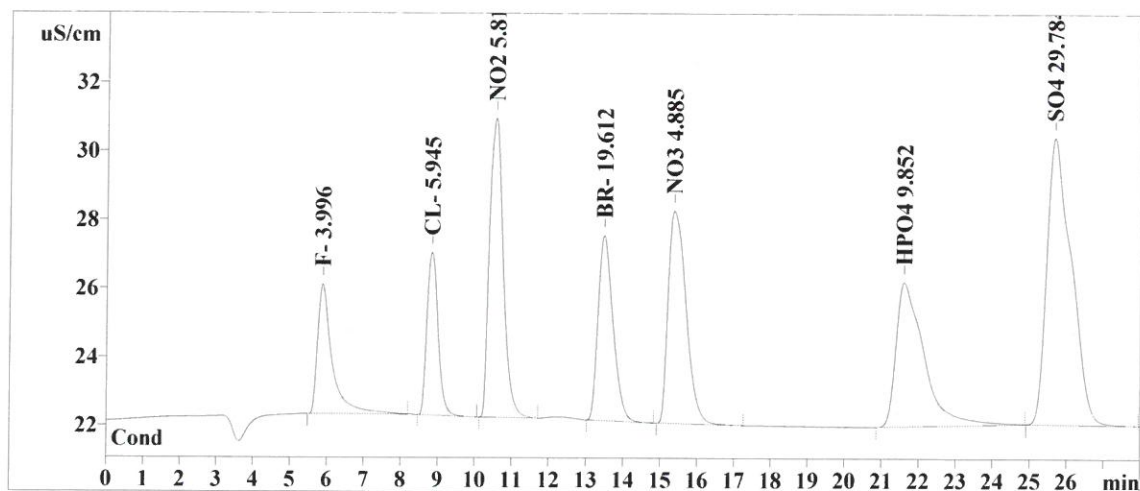
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Analysis from: 2/27/2019 9:14:57 PM
File: _2019-02-27_

Last save: 2/28/2019 9:18:44 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65406

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 8
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.87	0.365	3.78	9.13	104.653	7.46	0.
2	8.82	0.336	4.74	11.45	102.368	7.30	0.
3	10.55	0.408	8.72	21.08	226.326	16.14	0.
4	13.47	0.432	5.39	13.04	150.045	10.70	0.
5	15.35	0.539	6.19	14.96	210.559	15.01	0.
6	21.59	0.784	4.20	10.16	222.191	15.84	0.
7	25.65	0.776	8.35	20.18	386.516	27.56	0.
7	28.00	0.520	41.36	100.00	1402.657	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 2/28/2019 9:25:01 AM
Printed by: wet

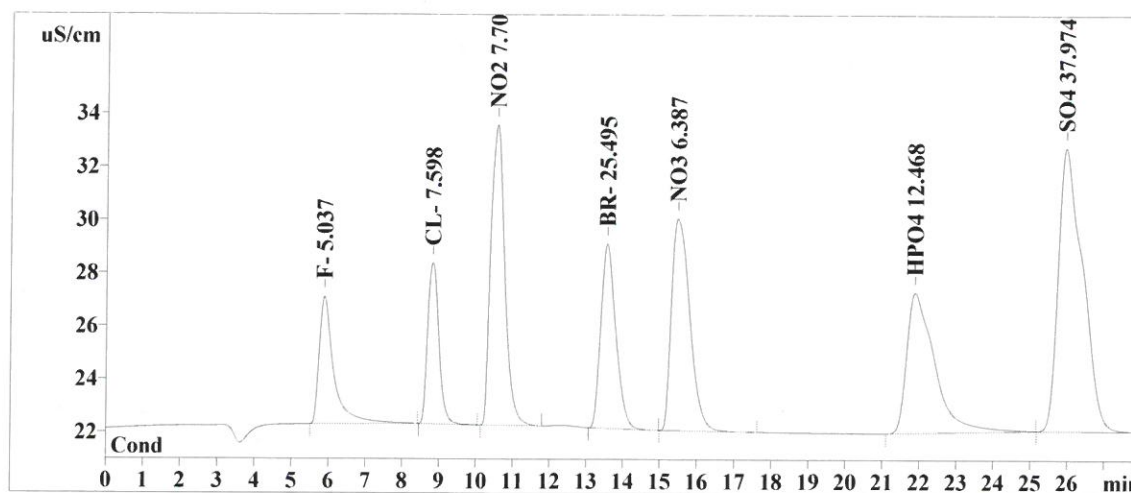
Ident: STD8
Analysis from: 2/27/2019 9:45:52 PM
File: _2019-02-27_

Last save: 2/28/2019 9:19:42 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65407

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 9
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.88	0.364	4.79	9.03	132.541	7.32	0.
2	8.81	0.337	6.06	11.44	131.145	7.25	0.
3	10.55	0.418	11.31	21.33	301.198	16.64	0.
4	13.55	0.435	6.94	13.10	195.929	10.82	0.
5	15.46	0.547	7.97	15.04	276.399	15.27	0.
6	21.87	0.789	5.28	9.96	278.558	15.39	0.
7	25.94	0.781	10.65	20.09	494.306	27.31	0.
7	28.00	0.525	53.00	99.99	1810.075	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 2/28/2019 9:29:26 AM
Printed by: wet

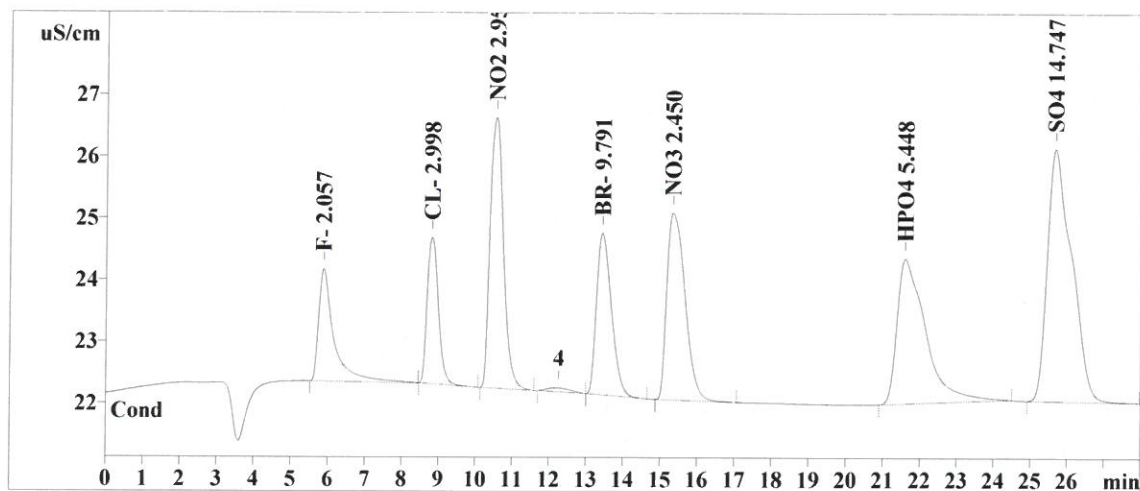
Ident: ICV
Analysis from: 2/27/2019 10:16:46 PM
File: _2019-02-27_

Last save: 2/28/2019 9:19:42 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65408

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 10
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.87	0.368	1.82	8.77	52.700	7.40	0.
2	8.81	0.336	2.37	11.43	51.043	7.17	0.
3	10.55	0.402	4.38	21.16	112.435	15.79	0.
4	13.43	0.440	2.62	12.64	73.453	10.31	0.
5	15.32	0.543	3.03	14.61	103.839	14.58	0.
6	21.59	0.808	2.35	11.33	127.283	17.87	0.
7	25.65	0.777	4.09	19.73	188.626	26.49	0.
7	28.00	0.525	20.65	99.67	709.379	99.61	0.

This report has been created by IC Net
METROHM LTD

Report date: 2/28/2019 9:29:36 AM
Printed by: wet

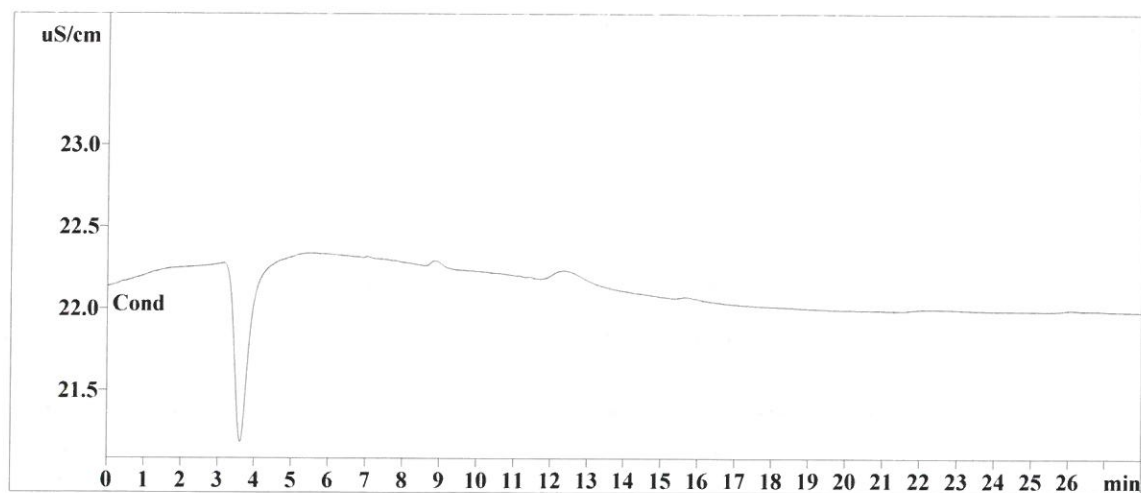
Ident: ICB
Analysis from: 2/27/2019 10:47:41 PM
File: _2019-02-27_

Last save: 2/28/2019 9:19:42 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65409

Last save: 2/27/2019 9:42:46 PM

SAMPLE:
: AK/AP
Vial number: 11
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:34:45 PM
 Printed by: wet

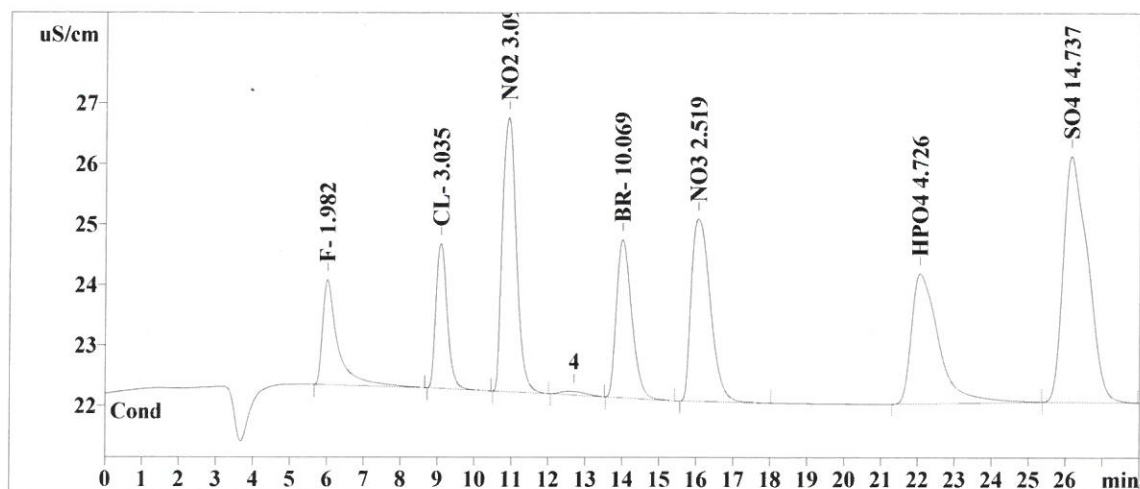
Ident: CCV
 Analysis from: 3/1/2019 8:16:40 AM
 File: _2019-03-01_

Last save: 3/1/2019 8:44:30 AM

Method: ANIONS 02-27-19.mtw
 Run operator: wet
 Analysis number: 65438

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
 : AK/AP
 Vial number: 2
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	6.00	0.374	1.73	8.44	50.697	7.18	0.
2	9.08	0.335	2.39	11.62	51.686	7.32	0.
3	10.91	0.408	4.53	22.04	118.045	16.72	0.
4	13.99	0.452	2.61	12.69	75.619	10.71	0.
5	16.04	0.555	3.01	14.65	106.871	15.14	0.
6	22.05	0.756	2.15	10.47	111.707	15.82	0.
7	26.15	0.766	4.06	19.78	188.496	26.70	0.
7	28.00	0.521	20.48	99.69	703.120	99.60	0.

This report has been created by IC Net
 METROHM LTD

Report date: 3/4/2019 12:34:55 PM
Printed by: wet

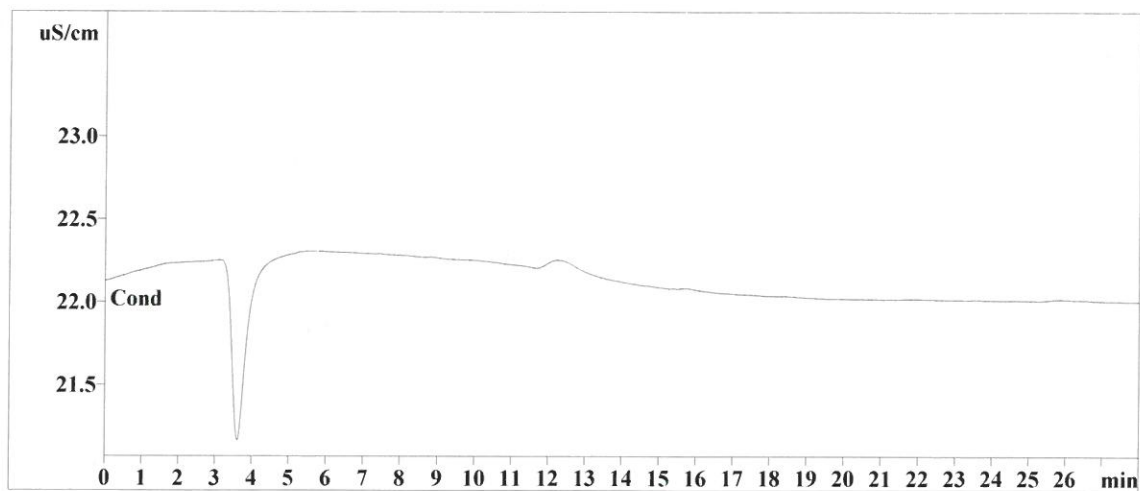
Ident: CCB
Analysis from: 3/1/2019 8:53:21 AM
File: _2019-03-01_

Last save: 3/1/2019 9:21:10 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65439

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:38:02 PM
Printed by: wet

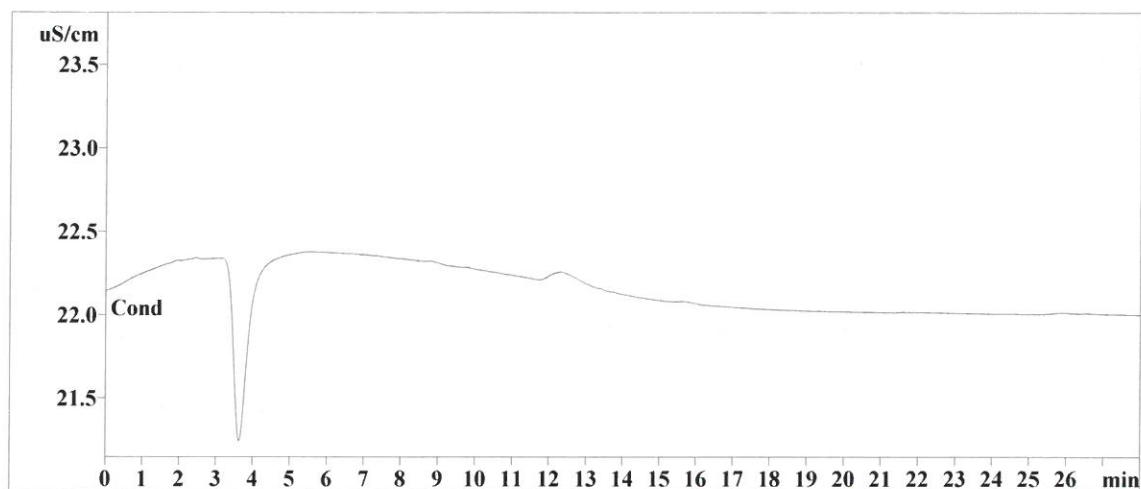
Ident: LB101136BLW
Analysis from: 3/1/2019 9:24:16 AM
File: _2019-03-01_

Last save: 3/4/2019 12:38:04 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65440

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 4
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:38:09 PM
Printed by: wet

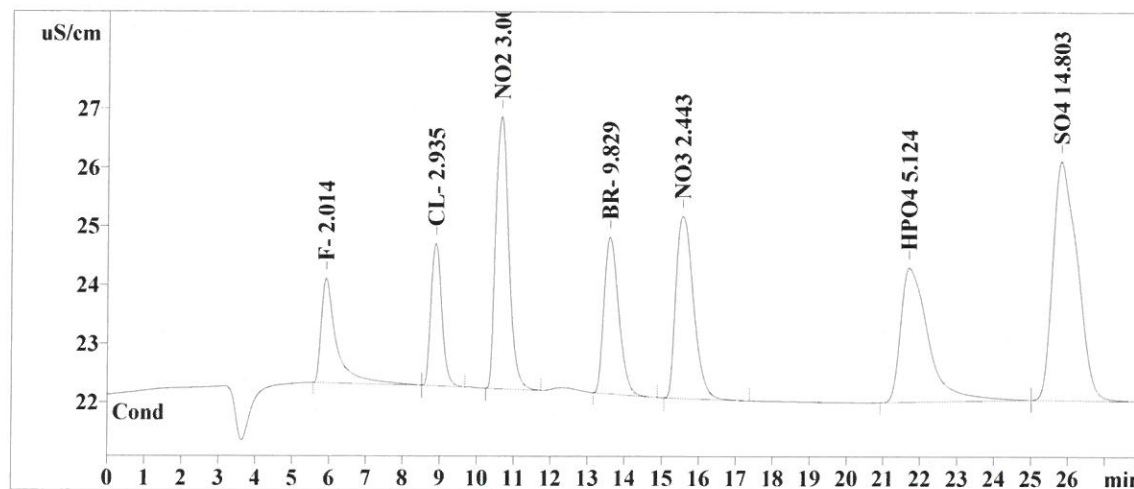
Ident: LB101136BSW
Analysis from: 3/1/2019 9:55:10 AM
File: _2019-03-01_

Last save: 3/4/2019 12:29:44 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65441

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 5
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.91	0.364	1.78	8.49	51.555	7.33	0.
2	8.88	0.321	2.42	11.54	49.946	7.11	0.
3	10.65	0.385	4.63	22.11	114.478	16.29	0.
4	13.59	0.430	2.67	12.73	73.743	10.49	0.
5	15.54	0.524	3.10	14.79	103.526	14.73	0.
6	21.70	0.762	2.29	10.91	120.288	17.11	0.
7	25.80	0.766	4.07	19.41	189.361	26.94	0.
7	28.00	0.507	20.95	99.99	702.897	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:39:59 PM
Printed by: wet

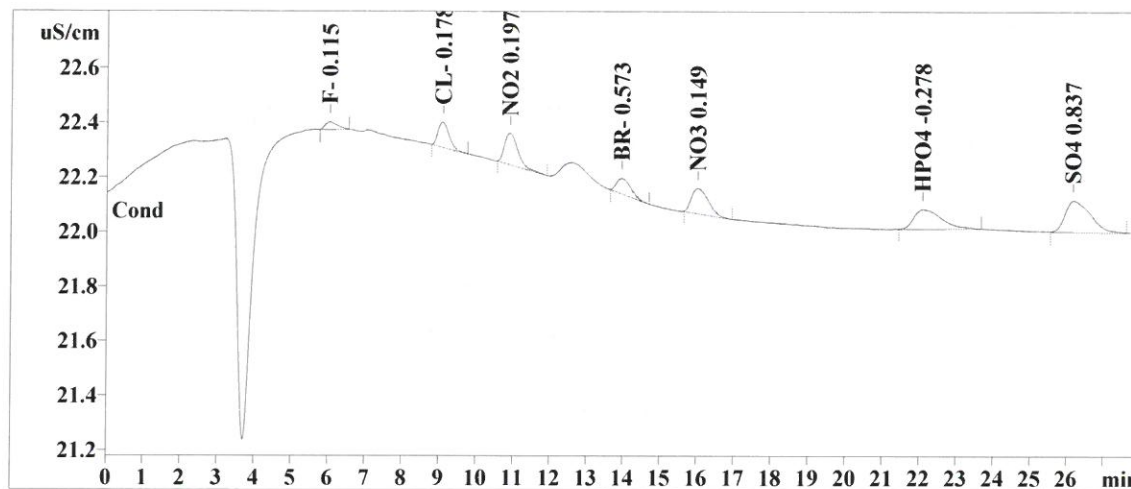
Ident: K1560-07
Analysis from: 3/1/2019 11:08:44 AM
File: _2019-03-01_

Last save: 3/4/2019 12:39:46 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65444

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 14
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	6.02	0.383	0.03	5.00	0.670	3.43	0.
2	9.09	0.327	0.09	15.83	1.922	9.84	0.
3	10.90	0.387	0.12	19.88	2.944	15.08	0.
4	13.96	0.437	0.06	9.86	1.560	7.99	0.
5	16.03	0.509	0.09	16.09	2.986	15.29	0.
6	22.09	0.817	0.07	12.49	3.881	19.87	0.
7	26.18	0.780	0.11	19.81	5.565	28.49	0.
7	28.00	0.520	0.57	98.95	19.529	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:41:22 PM
Printed by: wet

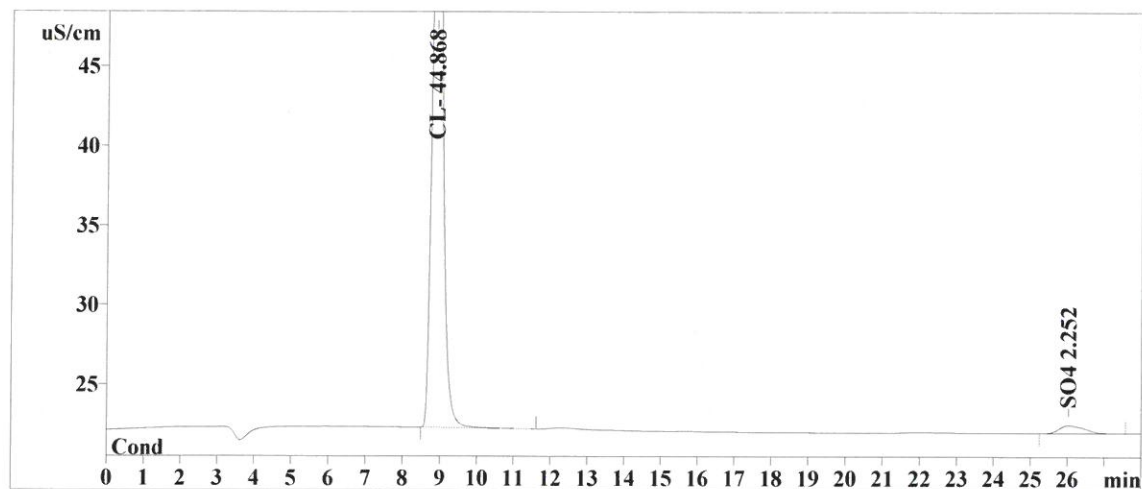
Ident: K1701-02
Analysis from: 3/1/2019 12:41:28 PM
File: _2019-03-01_

Last save: 3/4/2019 12:41:20 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65447

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 16
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.88	0.300	39.88	98.76	780.197	96.99	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	26.03	0.787	0.50	1.24	24.182	3.01	0.
7	28.00	0.155	40.38	100.00	804.379	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:41:54 PM
 Printed by: wet

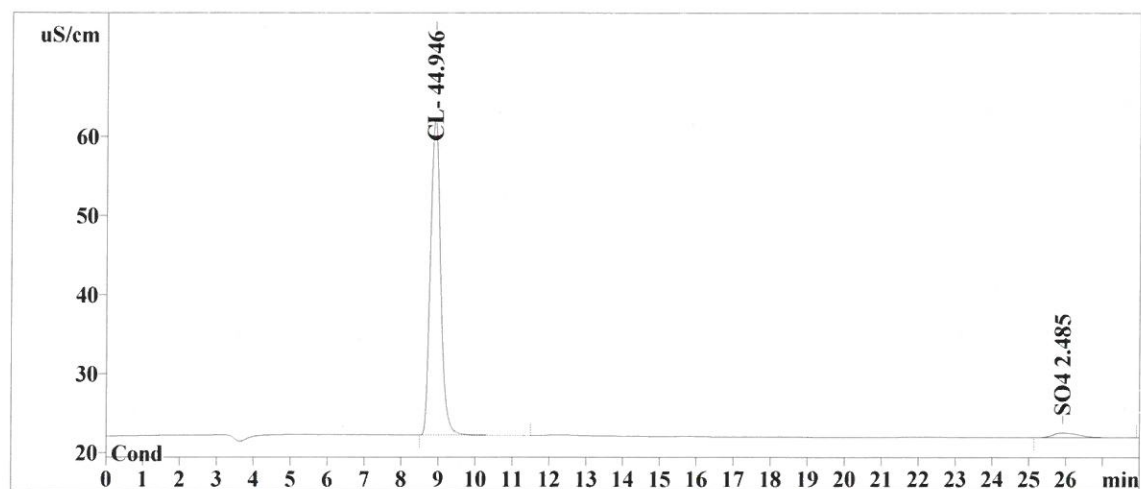
Ident: K1701-04
 Analysis from: 3/1/2019 1:12:23 PM
 File: _2019-03-01_

Last save: 3/4/2019 12:41:54 PM

Method: ANIONS 02-27-19.mtw
 Run operator: wet
 Analysis number: 65448

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
 : AK/AP
 Vial number: 17
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.89	0.300	40.09	98.57	781.557	96.63	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.91	0.758	0.58	1.43	27.255	3.37	0.
7	28.00	0.151	40.67	100.00	808.812	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 3/4/2019 12:42:10 PM
Printed by: wet

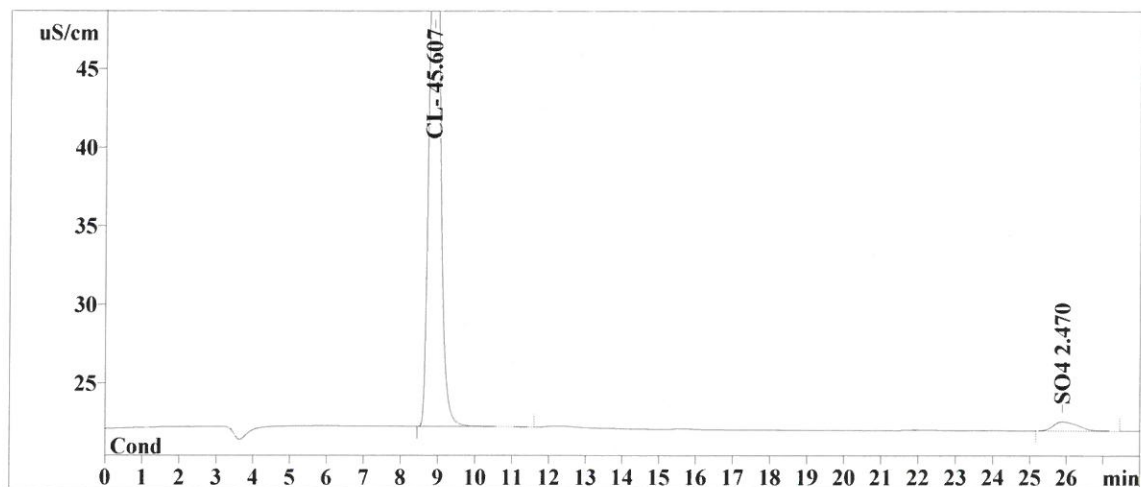
Ident: K1701-04DUP
Analysis from: 3/1/2019 1:43:18 PM
File: _2019-03-01_

Last save: 3/4/2019 12:42:10 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65449

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 18
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.87	0.303	40.33	98.57	793.075	96.70	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.88	0.755	0.58	1.43	27.056	3.30	0.
7	28.00	0.151	40.92	100.00	820.131	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:42:17 PM
 Printed by: wet

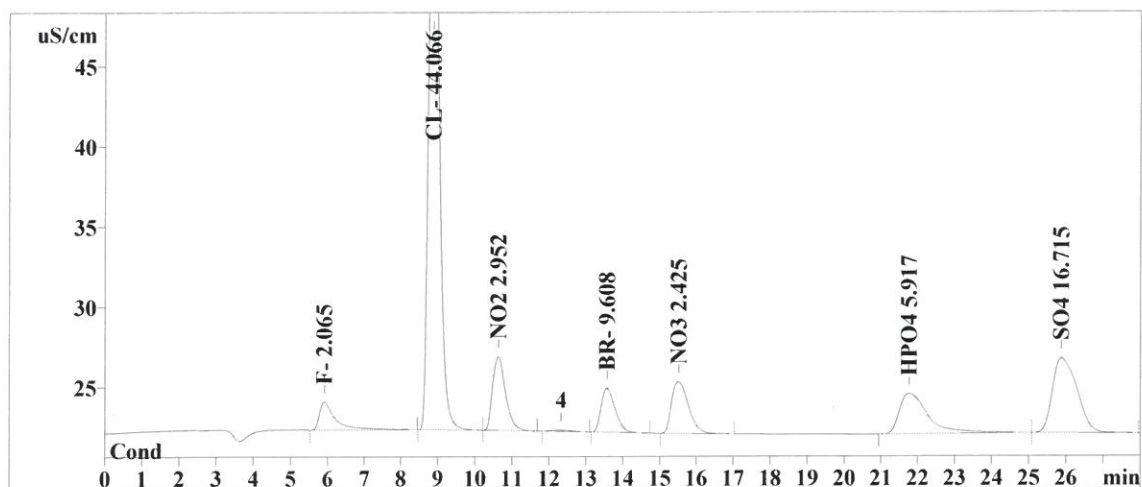
Ident: K1701-04MS
 Analysis from: 3/1/2019 2:14:12 PM
 File: _2019-03-01_

Last save: 3/1/2019 2:42:02 PM

Method: ANIONS 02-27-19.mtw
 Run operator: wet
 Analysis number: 65450

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
 : AK/AP
 Vial number: 19
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.91	0.384	1.73	2.92	52.907	3.62	0.
2	8.87	0.298	39.62	66.95	766.240	52.43	0.
3	10.63	0.379	4.59	7.76	112.408	7.69	0.
4	13.57	0.408	2.75	4.64	72.023	4.93	0.
5	15.52	0.501	3.22	5.44	102.768	7.03	0.
6	21.76	0.764	2.52	4.25	137.390	9.40	0.
7	25.87	0.744	4.68	7.90	214.524	14.68	0.
7	28.00	0.497	59.11	99.87	1458.260	99.78	0.

This report has been created by IC Net
 METROHM LTD

Report date: 3/4/2019 12:42:25 PM
Printed by: wet

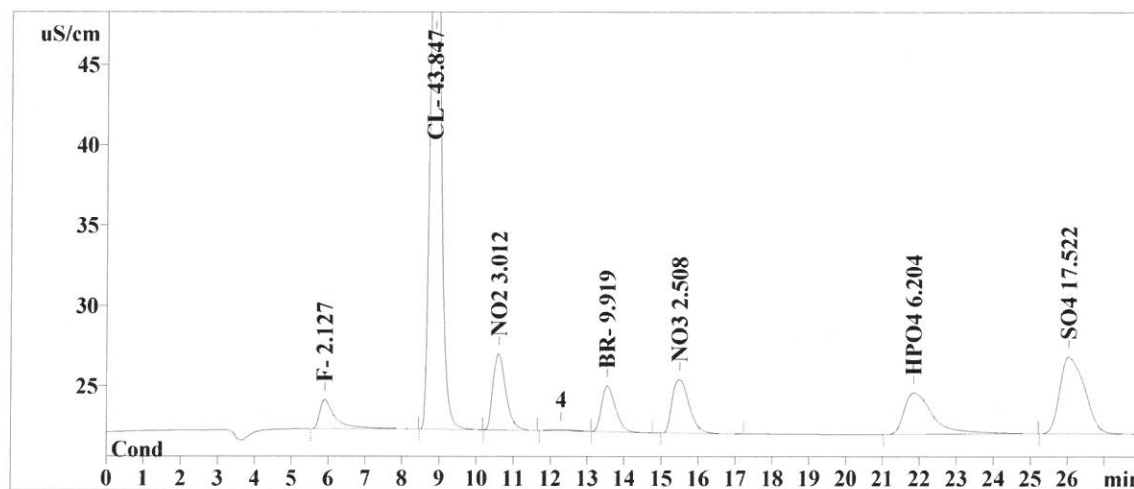
Ident: K1701-04MSD
Analysis from: 3/1/2019 2:45:07 PM
File: _2019-03-01_

Last save: 3/1/2019 3:12:56 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65451

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 20
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.90	0.377	1.81	3.02	54.559	3.67	0.
2	8.86	0.297	39.56	66.24	762.422	51.35	0.
3	10.60	0.376	4.74	7.93	114.805	7.73	0.
4	13.54	0.408	2.84	4.75	74.451	5.01	0.
5	15.48	0.500	3.33	5.58	106.370	7.16	0.
6	21.85	0.776	2.58	4.32	143.574	9.67	0.
7	26.03	0.765	4.78	8.01	225.145	15.16	0.
7	28.00	0.500	59.63	99.86	1481.325	99.76	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:42:32 PM
Printed by: wet

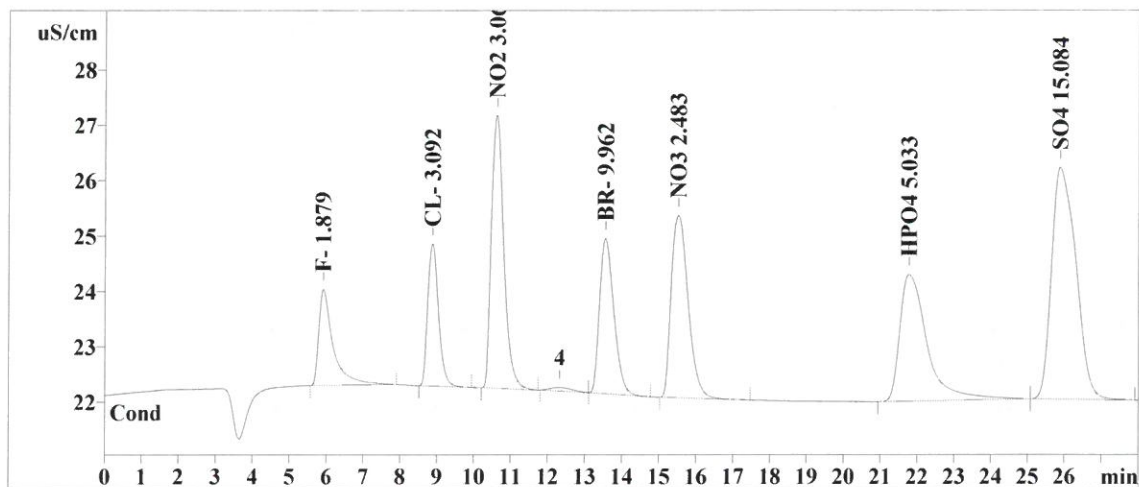
Ident: CCV
Analysis from: 3/1/2019 3:16:02 PM
File: _2019-03-01_

Last save: 3/1/2019 3:43:52 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65452

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 2
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.91	0.364	1.73	7.92	47.926	6.73	0.
2	8.88	0.317	2.56	11.73	52.684	7.40	0.
3	10.62	0.367	4.93	22.54	116.915	16.43	0.
4	13.56	0.415	2.80	12.81	74.783	10.51	0.
5	15.51	0.500	3.29	15.05	105.297	14.79	0.
6	21.77	0.733	2.29	10.47	118.335	16.63	0.
7	25.88	0.748	4.19	19.16	193.058	27.12	0.
7	28.00	0.492	21.79	99.68	708.998	99.61	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:42:47 PM
Printed by: wet

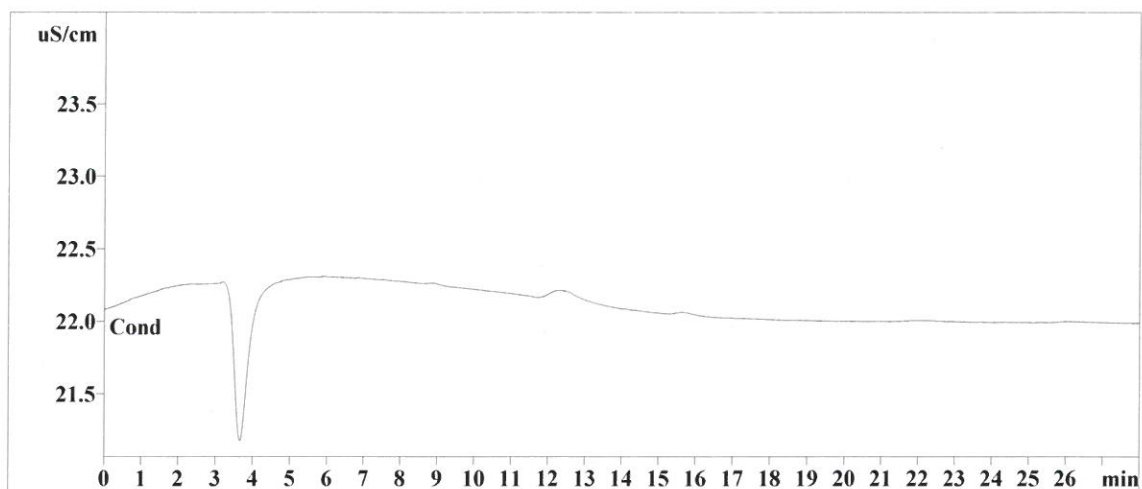
Ident: CCB
Analysis from: 3/1/2019 4:23:43 PM
File: _2019-03-01_

Last save: 3/4/2019 12:42:46 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65453

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:43:32 PM
Printed by: wet

Ident: K1718-01
Analysis from: 3/1/2019 6:58:42 PM
File: _2019-03-01_

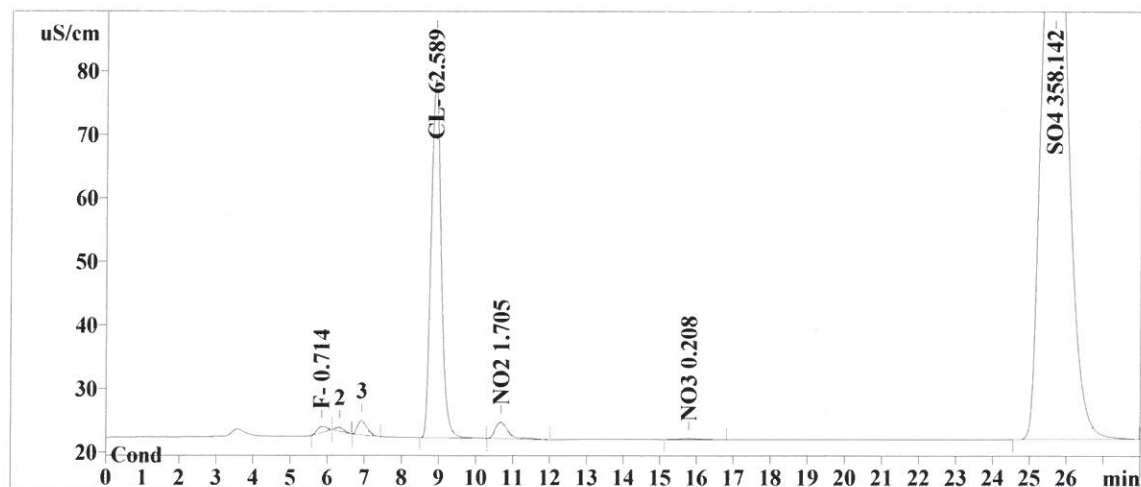
Last save: 3/4/2019 12:43:06 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65456

Last save: 2/28/2019 9:19:28 AM

SAMPLE:

: AK/AP
Vial number: 25
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.83	0.298	0.95	0.58	16.704	0.28	0.
2	8.89	0.299	56.35	34.61	1088.806	18.35	0.
3	10.68	0.349	2.57	1.58	62.876	1.06	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.79	0.568	0.15	0.10	5.590	0.09	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.65	0.757	99.92	61.36	4707.837	79.36	0.
7	28.00	0.324	159.95	98.23	5881.813	99.14	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:43:40 PM
Printed by: wet

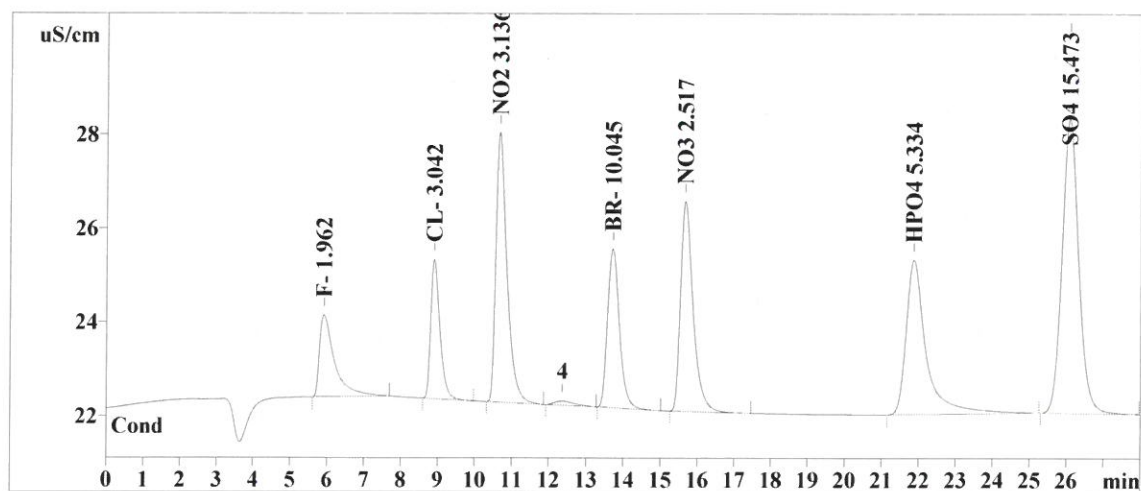
Ident: CCV
Analysis from: 3/1/2019 9:23:20 PM
File: _2019-03-01_

Last save: 3/4/2019 8:57:40 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65460

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 2
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.91	0.388	1.74	6.23	50.156	6.87	0.
2	8.89	0.260	2.97	10.62	51.802	7.09	0.
3	10.66	0.307	5.74	20.55	119.733	16.39	0.
4	13.70	0.339	3.38	12.09	75.431	10.33	0.
5	15.65	0.353	4.47	16.00	106.760	14.62	0.
6	21.86	0.493	3.28	11.75	124.827	17.09	0.
7	26.07	0.475	6.27	22.42	198.178	27.13	0.
7	28.00	0.374	27.85	99.66	726.887	99.52	0.

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Report date: 3/4/2019 12:43:57 PM
Printed by: wet

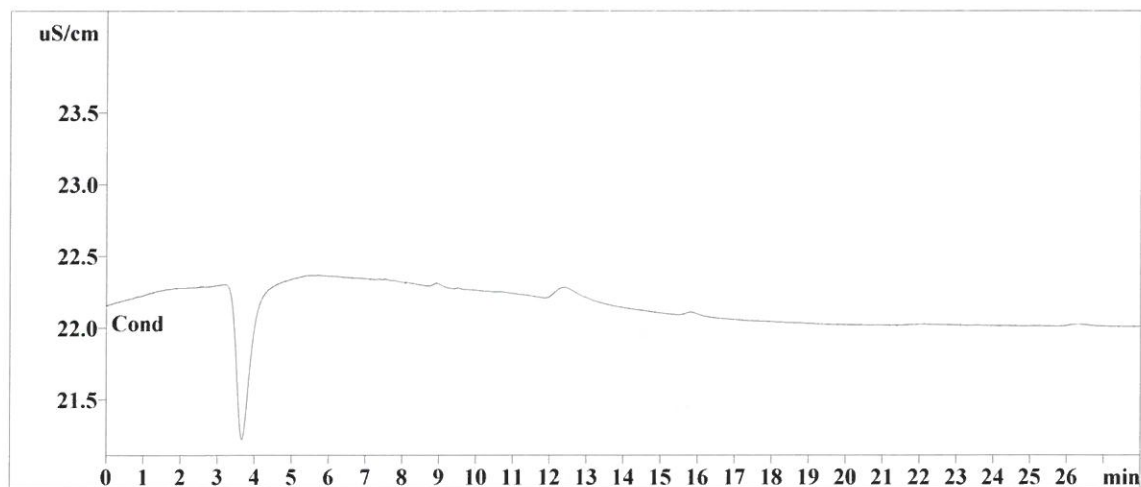
Ident: CCB
Analysis from: 3/1/2019 9:54:15 PM
File: _2019-03-01_

Last save: 3/4/2019 12:43:58 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65461

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:45:41 PM
Printed by: wet

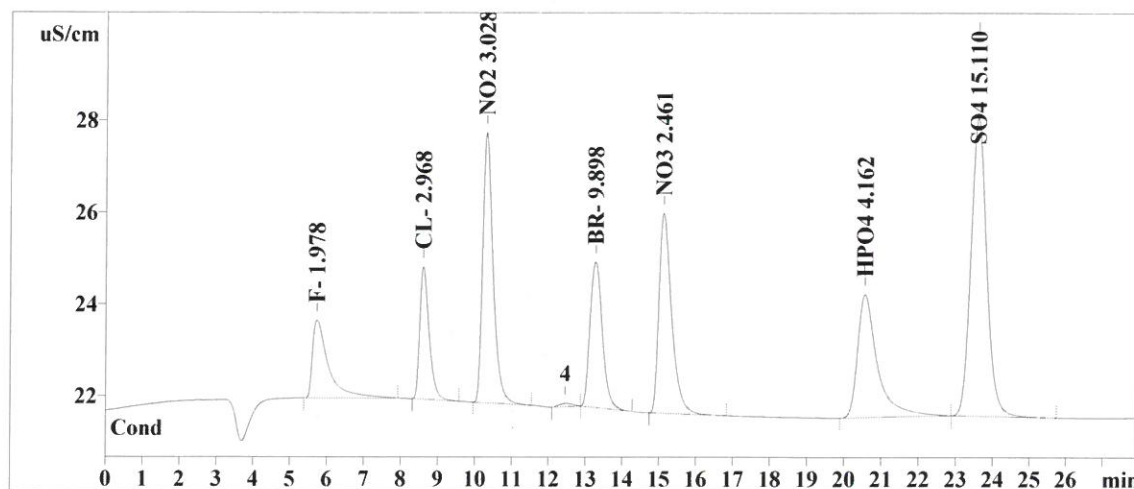
Ident: CCV
Analysis from: 3/4/2019 9:22:34 AM
File: _2019-03-04_

Last save: 3/4/2019 9:50:24 AM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65464

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 2
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.73	0.388	1.70	6.23	50.579	7.33	0.
2	8.59	0.261	2.89	10.61	50.521	7.32	0.
3	10.30	0.291	5.88	21.60	115.436	16.73	0.
4	13.27	0.364	3.17	11.63	74.285	10.77	0.
5	15.11	0.356	4.35	15.99	104.324	15.12	0.
6	20.56	0.501	2.68	9.84	99.560	14.43	0.
7	23.58	0.448	6.49	23.84	193.400	28.04	0.
7	28.00	0.373	27.16	99.74	688.105	99.75	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:46:19 PM
Printed by: wet

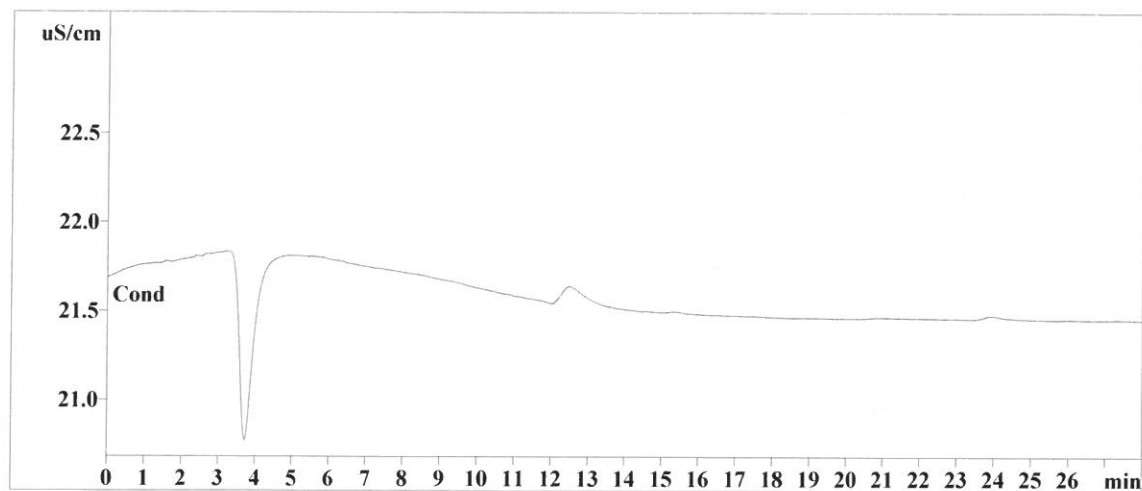
Ident: CCB
Analysis from: 3/4/2019 9:53:29 AM
File: _2019-03-04_

Last save: 3/4/2019 12:46:12 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65465

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:46:45 PM
Printed by: wet

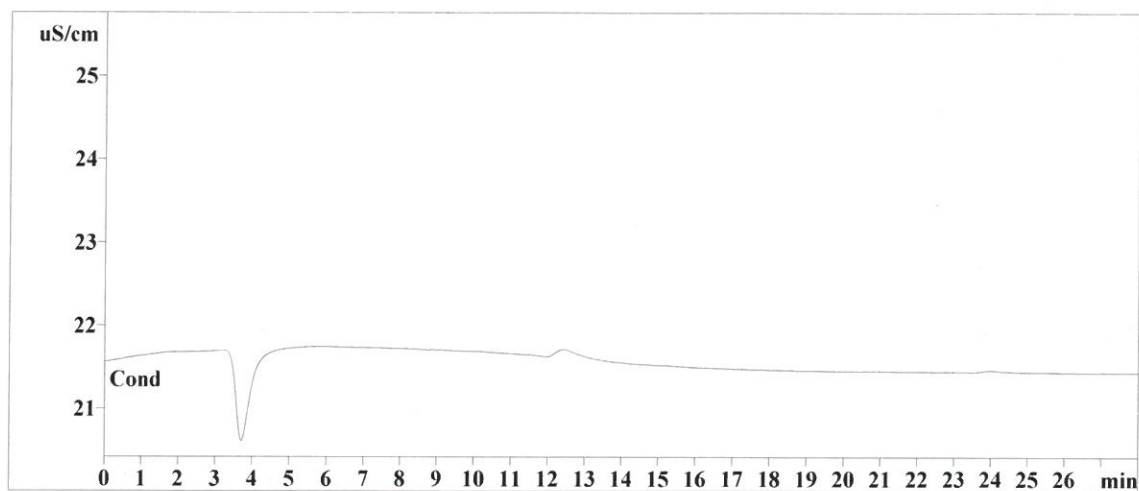
Ident: LB101136BLW2
Analysis from: 3/4/2019 10:24:23 AM
File: _2019-03-04_

Last save: 3/4/2019 12:46:38 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65466

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 4
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:46:52 PM
Printed by: wet

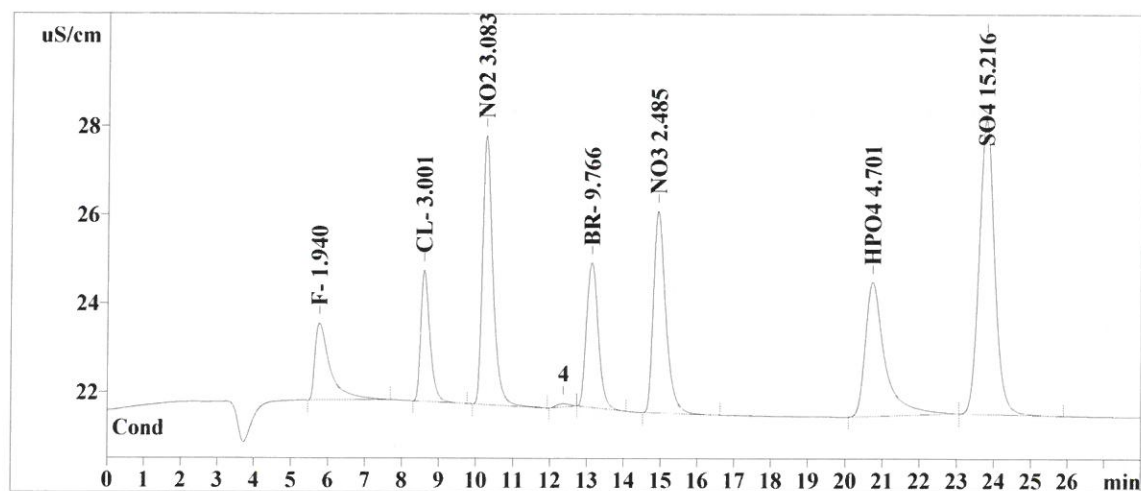
Ident: LB101136BSW2
Analysis from: 3/4/2019 10:55:18 AM
File: _2019-03-04_

Last save: 3/4/2019 12:29:44 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65467

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 5
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.76	0.379	1.73	6.12	49.570	7.03	0.
2	8.59	0.258	2.96	10.45	51.097	7.25	0.
3	10.26	0.285	6.07	21.43	117.628	16.69	0.
4	13.12	0.349	3.26	11.53	73.258	10.39	0.
5	14.91	0.345	4.55	16.06	105.369	14.95	0.
6	20.72	0.491	3.02	10.67	111.182	15.78	0.
7	23.77	0.441	6.64	23.47	194.802	27.64	0.
7	28.00	0.364	28.23	99.73	702.906	99.73	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:47:38 PM
Printed by: wet

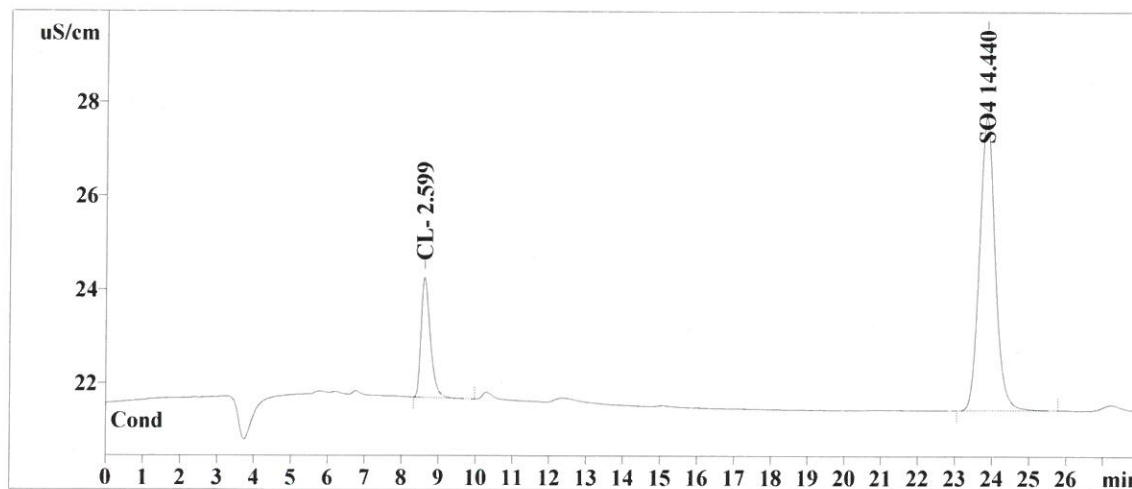
Ident: K1718-01DLX20
Analysis from: 3/4/2019 11:26:13 AM
File: _2019-03-04_

Last save: 3/4/2019 12:47:36 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65468

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 6
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.61	0.258	2.55	28.97	44.091	19.28	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.83	0.443	6.26	71.03	184.580	80.72	0.
7	28.00	0.100	8.81	100.00	228.671	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/4/2019 12:47:48 PM
Printed by: wet

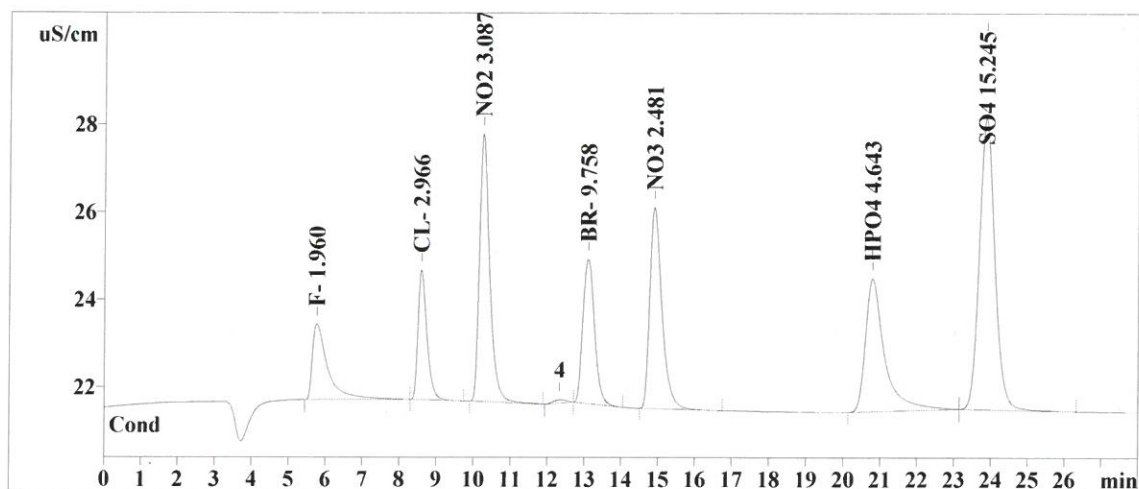
Ident: CCV
Analysis from: 3/4/2019 11:57:07 AM
File: _2019-03-04_

Last save: 3/4/2019 12:24:56 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65469

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 2
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.76	0.378	1.73	6.07	50.094	7.12	0.
2	8.58	0.256	2.96	10.40	50.486	7.17	0.
3	10.25	0.284	6.11	21.48	117.798	16.74	0.
4	13.10	0.346	3.29	11.58	73.196	10.40	0.
5	14.89	0.341	4.59	16.14	105.197	14.95	0.
6	20.78	0.483	3.04	10.68	109.935	15.62	0.
7	23.86	0.442	6.65	23.38	195.182	27.73	0.
7	28.00	0.361	28.35	99.72	701.887	99.73	0.

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Report date: 3/4/2019 1:18:19 PM
Printed by: wet

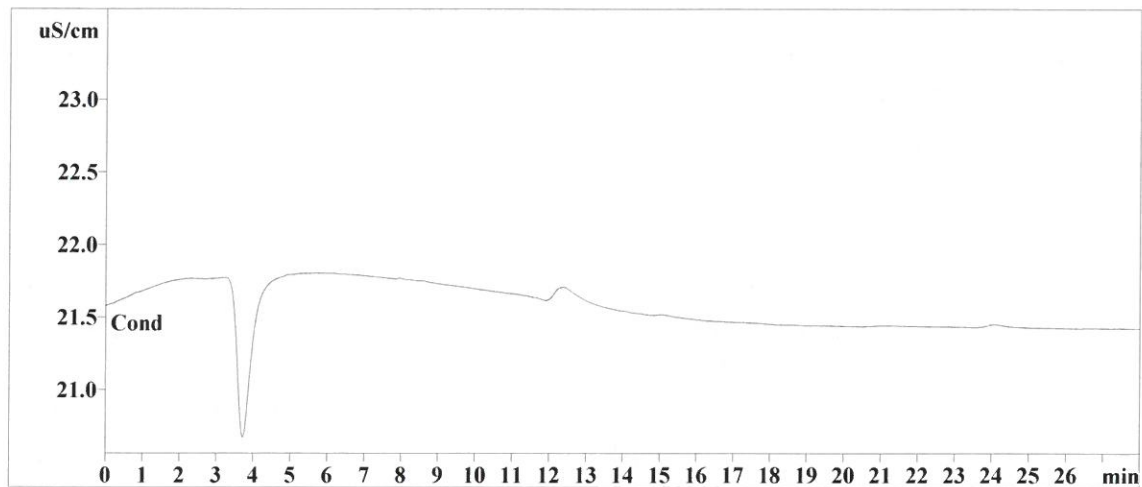
Ident: CCB
Analysis from: 3/4/2019 12:28:02 PM
File: _2019-03-04_

Last save: 3/4/2019 1:18:20 PM

Method: ANIONS 02-27-19.mtw
Run operator: wet
Analysis number: 65470

Last save: 2/28/2019 9:19:28 AM

SAMPLE:
: AK/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

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