

Clear table

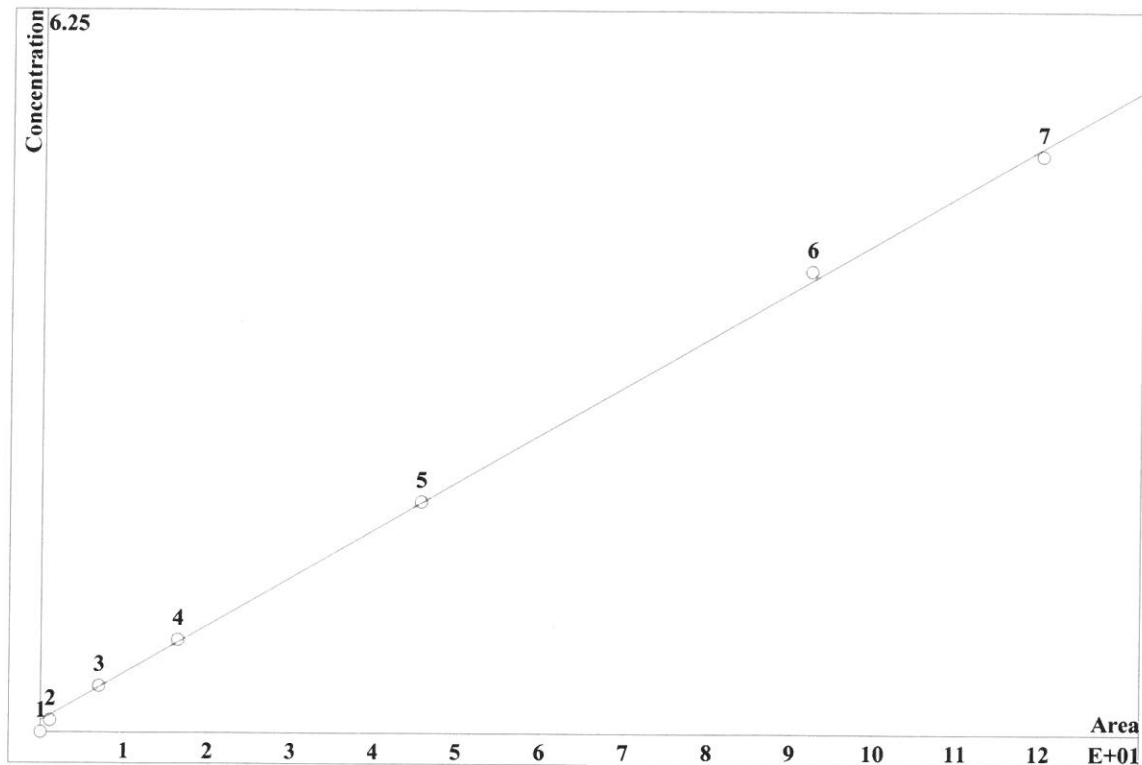
FC-1 300.0
3/27/18 AT

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
STD1								2018-03-19	3/19/18 11:39
STD2	0.1500	0.2550	0.2370	0.8930	0.2300	0.1560	1.3110	2018-03-19	3/19/18 12:11
STD3	0.3910	0.6370	0.6410	2.1570	0.5450	0.9160	3.1970	2018-03-19	3/19/18 12:43
STD4	0.7810	1.1970	1.1780	3.8990	0.9790	2.0960	5.8990	2018-03-19	3/19/18 13:15
STD5	1.9910	2.8560	2.9190	9.4060	2.3260	5.1130	14.1490	2018-03-19	3/19/18 13:47
STD6	3.9180	5.8250	5.7830	19.7170	4.9370	10.1390	29.5500	2018-03-19	3/19/18 14:19
STD7	5.0690	7.6800	7.6910	25.4270	6.3580	12.3300	38.1440	2018-03-19	3/19/18 14:51
ICV	1.9800	2.9080	2.9290	9.6630	2.3880	5.2610	15.2060	2018-03-19	3/19/18 16:27
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-19	3/19/18 17:23
CCV	1.9240	2.8080	2.8030	9.2280	2.2860	4.8910	13.8680	2018-03-23	3/23/18 10:09
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 10:40
LB94134BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 11:11
LB94134BSW	1.9680	2.8600	2.8680	9.4570	2.3550	5.3060	14.8440	2018-03-23	3/23/18 11:42
J2025-01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 13:52
J2025-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 14:23
J2025-03	0.0000	0.0000	0.0000	0.0000	0.1600	0.0000	0.0000	2018-03-23	3/23/18 15:13
J2026-01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 15:51
J2026-01DUP	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 16:22
J2026-01MS	2.0450	2.9600	2.9040	9.6690	2.4480	5.1060	14.6270	2018-03-23	3/23/18 16:53
J2026-01MSD	2.0110	2.8460	2.8890	9.5970	2.3730	4.9830	14.1900	2018-03-23	3/23/18 17:24
CCV	1.9110	2.8160	2.8730	9.2120	2.2790	4.8470	14.0240	2018-03-23	3/23/18 17:55
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 18:26
J2054-01	0.0000	1243.4120	0.0000	1.9980	0.0000	0.0000	4.7570	2018-03-23	3/23/18 18:56
CCV	1.7730	2.7670	2.7340	9.0720	2.2370	5.6640	13.5920	2018-03-23	3/23/18 19:27
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-23	3/23/18 19:58
CCV	2.1280	2.8740	2.7860	9.3490	2.3210	5.7360	14.3550	2018-03-26	3/26/18 15:29
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-26	3/26/18 16:00
LB94134BLW2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-26	3/26/18 16:31
LB94134BSW2	1.9930	2.9380	2.8970	9.5610	2.3690	5.5200	15.1500	2018-03-26	3/26/18 17:02
J2054-01RE	0.0000	1234.5680	0.0000	2.0170	0.0000	0.0000	5.0570	2018-03-26	3/26/18 17:33

IC-1 3-19-18
cal Ak

CALIBRATION OF COMPONENT F-

Method: ANIONS 03-19-18.mtw
Equation: $Q = 0.827175 \cdot A + 2.04637$
RSD: 2.922 %
Correlation coefficient: 0.999651



K3 = 0 K2 = 0 K1 = 0.827175 K0 = 2.04637

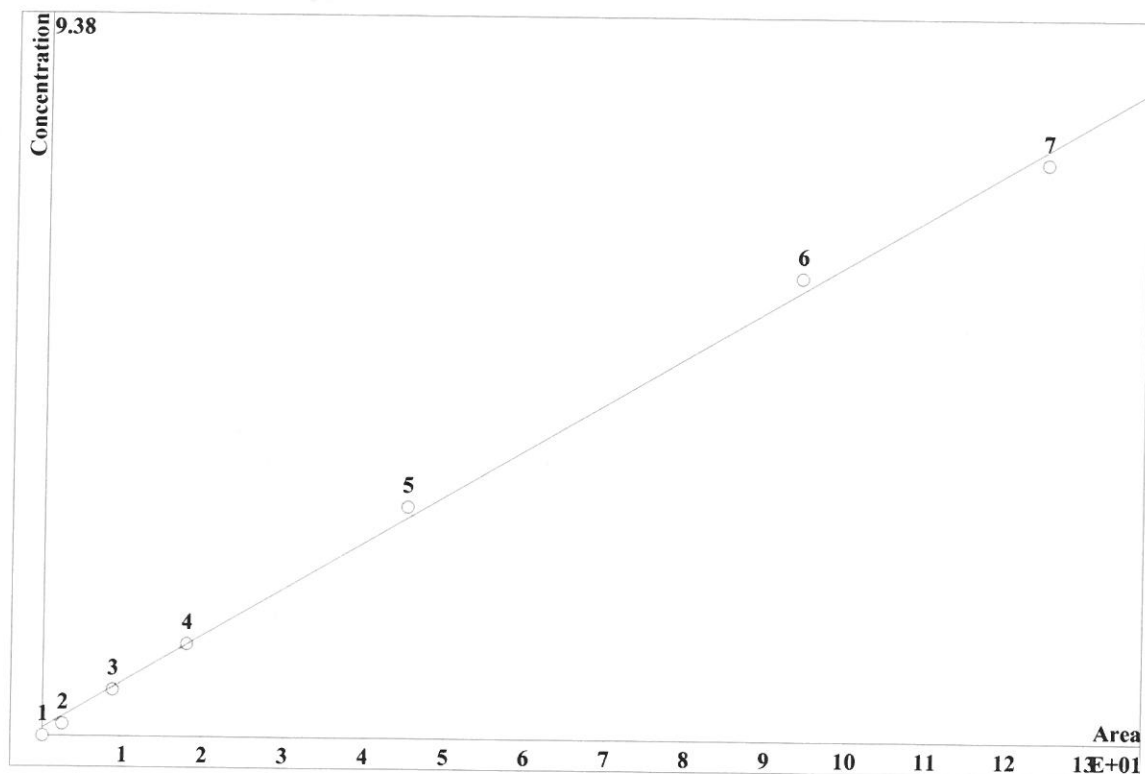
Base: Area
Ref.channel: Cond
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
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1	0	0	0	0	0	No
2	0.04538	1.141	0.1	20	5.921	Yes
3	0.2594	6.989	0.4	20	5.921	Yes
4	0.5635	16.41	0.8	20	5.921	Yes
5	1.518	45.66	2	20	5.921	Yes
6	3.234	92.27	4	20	5.921	Yes
7	4.105	120.1	5	20	5.921	Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 1.21583 \cdot A + 2.13837$
 RSD: 5.049 %
 Correlation coefficient: 0.998959



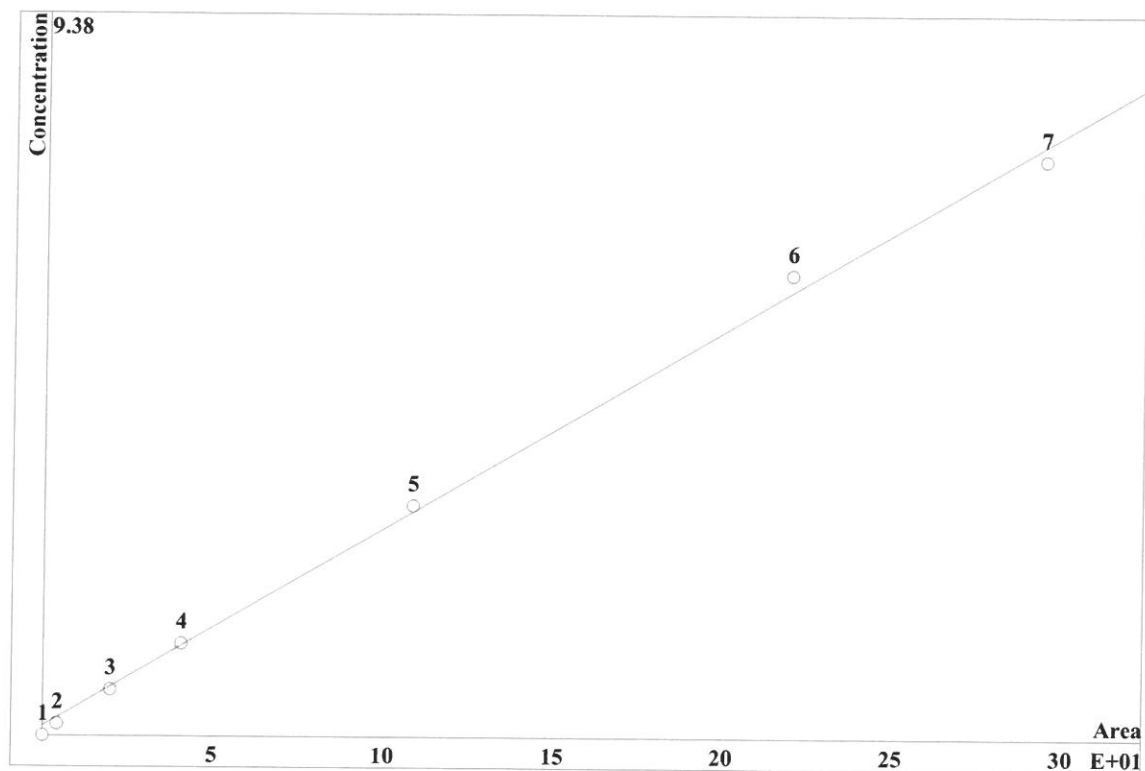
K3 = 0 K2 = 0 K1 = 1.21583 K0 = 2.13837

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	0.1382	2.432	0.15	20	8.982	Yes	
3	0.5252	8.718	0.6	20	8.982	Yes	
4	1.075	17.94	1.2	20	8.982	Yes	
5	2.756	45.22	3	20	8.982	Yes	
6	5.764	94.06	6	20	8.982	Yes	
7	7.49	124.6	7.5	20	8.982	Yes	

CALIBRATION OF COMPONENT NO2

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 0.51376 \cdot A + 2.60348$
 RSD: 5.143 %
 Correlation coefficient: 0.998920



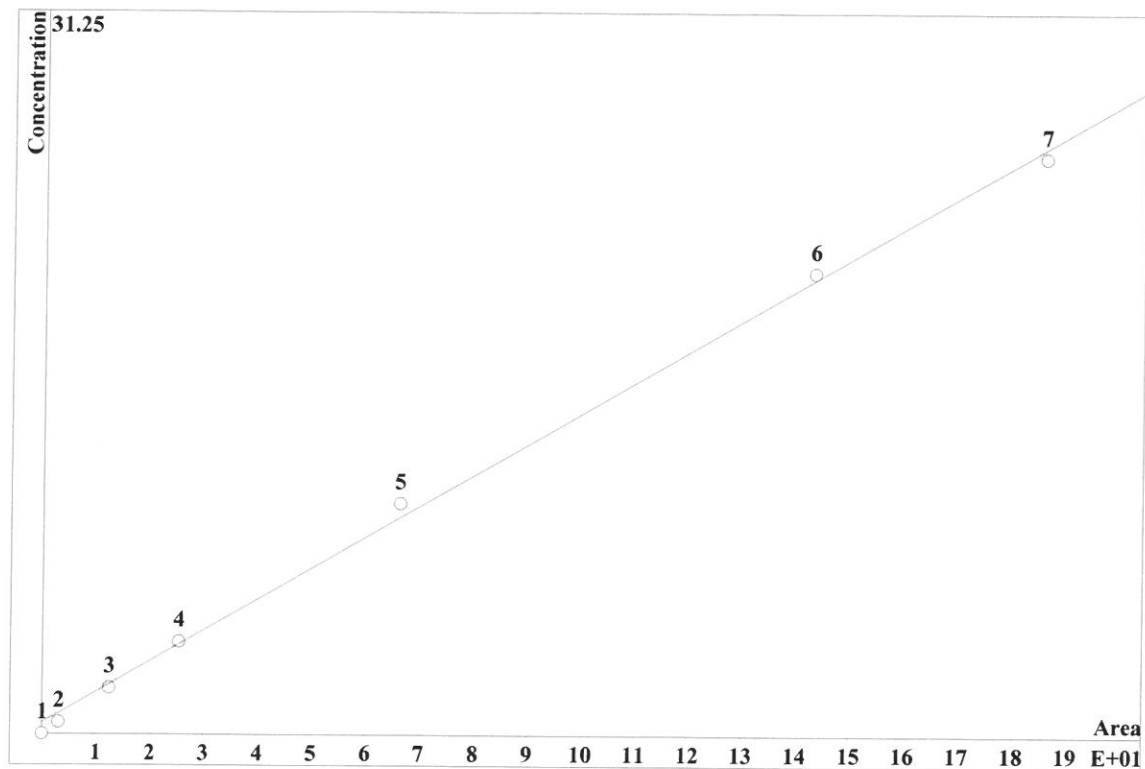
K3 = 0 K2 = 0 K1 = 0.51376 K0 = 2.60348

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	0.21	4.156	0.15	20	10.72	Yes		
3	1.035	19.9	0.6	20	10.72	Yes		
4	2.13	40.8	1.2	20	10.72	Yes		
5	5.487	108.6	3	20	10.72	Yes		
6	11.13	220	6	20	10.72	Yes		
7	14.24	294.3	7.5	20	10.72	Yes		

CALIBRATION OF COMPONENT BR-

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 2.68494 \cdot A + 9.86212$
 RSD: 4.375 %
 Correlation coefficient: 0.999218



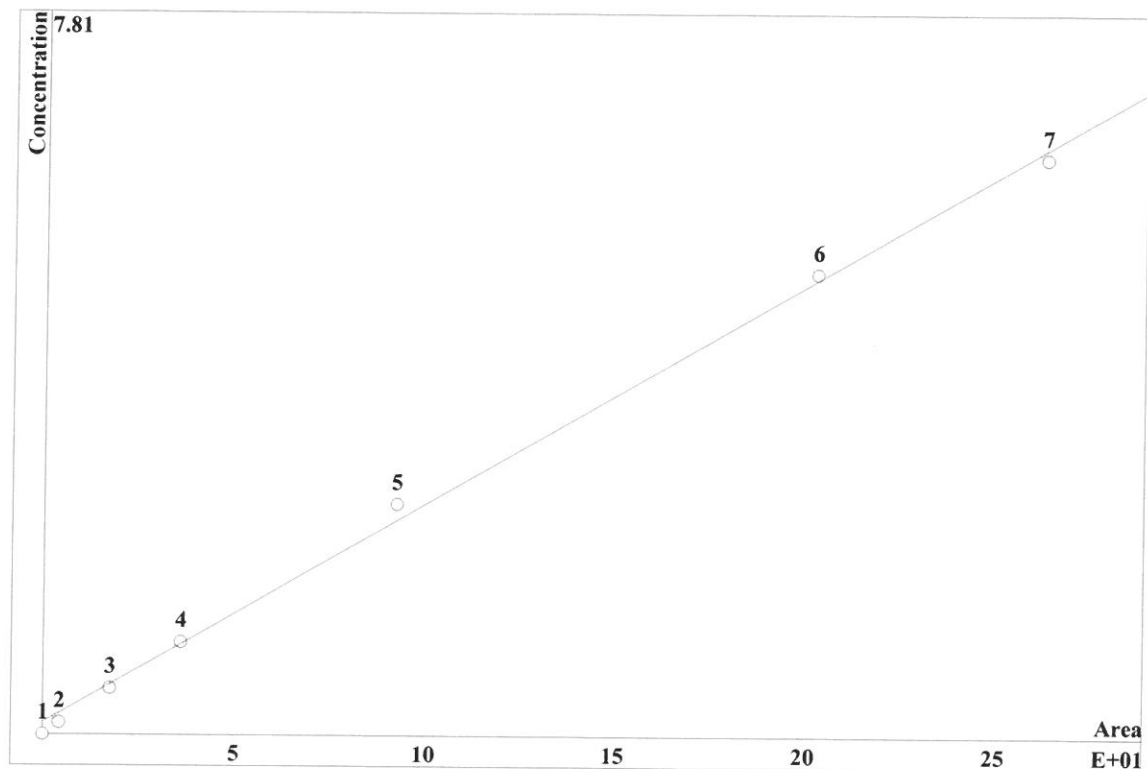
K3 = 0 K2 = 0 K1 = 2.68494 K0 = 9.86212

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	0.1528	2.981	0.5	20	13.6			Yes
3	0.6454	12.39	2	20	13.6			Yes
4	1.339	25.37	4	20	13.6			Yes
5	3.519	66.39	10	20	13.6			Yes
6	7.35	143.2	20	20	13.6			Yes
7	9.434	185.7	25	20	13.6			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 0.473492 \cdot A + 2.64071$
 RSD: 4.760 %
 Correlation coefficient: 0.999075



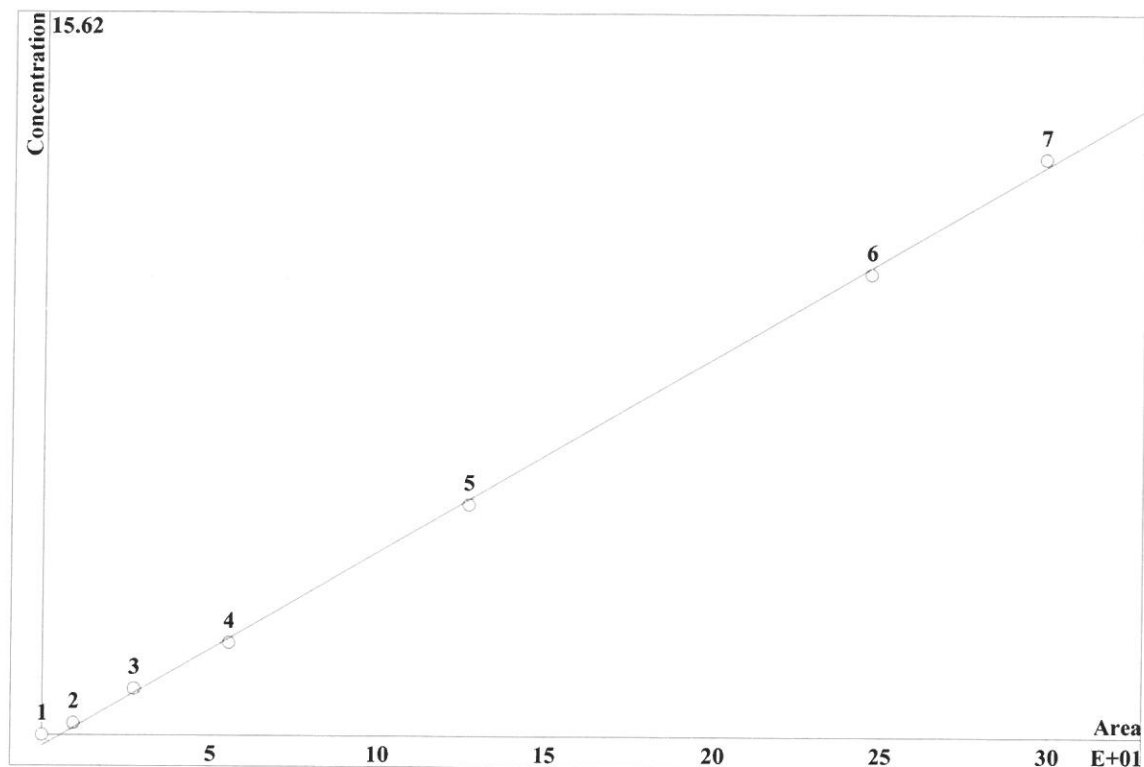
K3 = 0 K2 = 0 K1 = 0.473492 K0 = 2.64071

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	0.1886	4.149	0.125	20	15.49			Yes
3	0.7944	17.44	0.5	20	15.49			Yes
4	1.643	35.76	1	20	15.49			Yes
5	4.336	92.66	2.5	20	15.49			Yes
6	9.344	203	5	20	15.49			Yes
7	12.2	263	6.25	20	15.49			Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 0.841758 \cdot A - 4.5807$
 RSD: 2.868 %
 Correlation coefficient: 0.999664



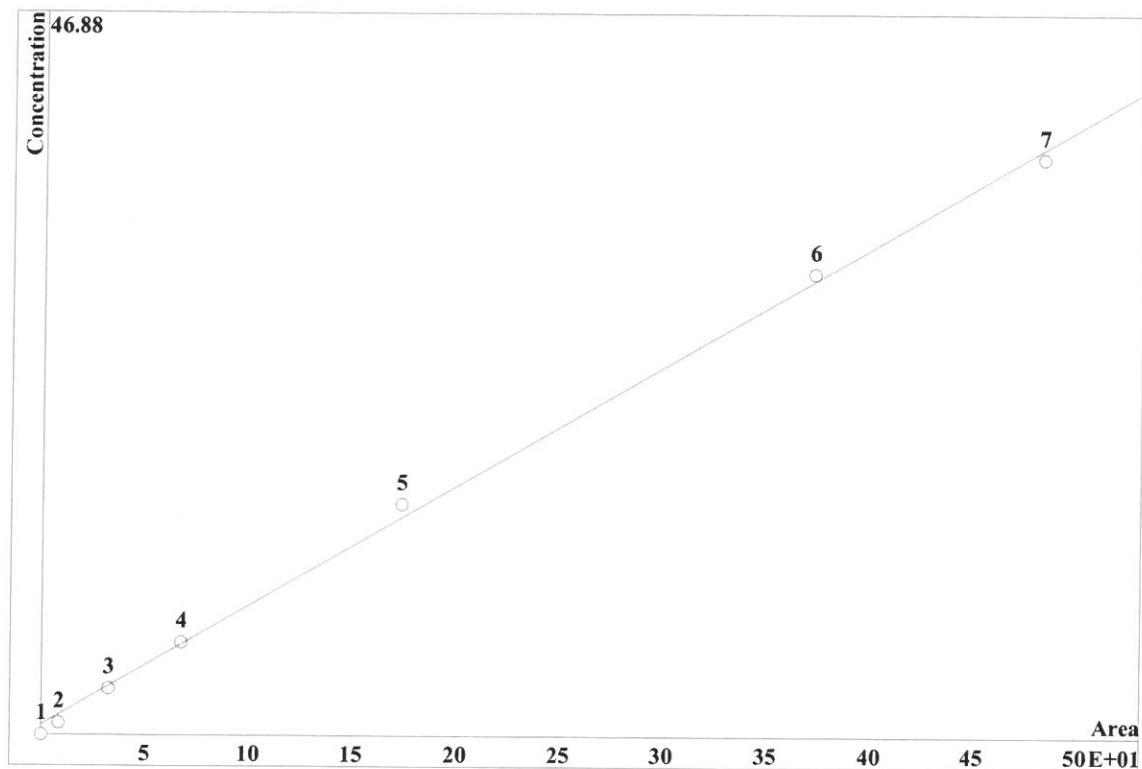
K3 = 0 K2 = 0 K1 = 0.841758 K0 = -4.5807

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

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0		0		0			No
2	0.2149	9.149		0.25	20		22.72	Yes
3	0.6954	27.2		1	20		22.72	Yes
4	1.377	55.25		2	20		22.72	Yes
5	3.348	126.9		5	20		22.72	Yes
6	6.804	246.3		10	20		22.72	Yes
7	8.626	298.4		12.5	20		22.72	Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 1.55224 \cdot A + 13.2199$
 RSD: 4.247 %
 Correlation coefficient: 0.999263



K3 = 0 K2 = 0 K1 = 1.55224 K0 = 13.2199
 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	0.2644	8.376	0.75	20	25.7			Yes
3	1.07	32.68	3	20	25.7			Yes
4	2.205	67.48	6	20	25.7			Yes
5	5.865	173.8	15	20	25.7			Yes
6	12.67	372.2	30	20	25.7			Yes
7	16.58	483	37.5	20	25.7			Yes

Report date: 3/19/2018 4:51:12 PM
Printed by: wet

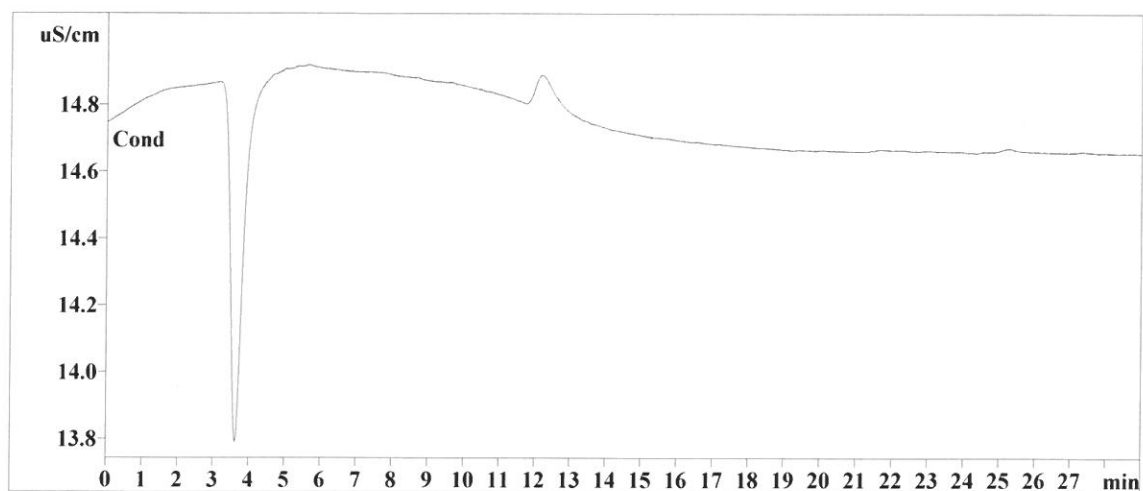
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File: _2018-03-19_

Last save: 3/19/2018 4:49:08 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61448

Last save: 3/19/2018 9:52:10 AM

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: 3/19/2018 4:51:19 PM
Printed by: wet

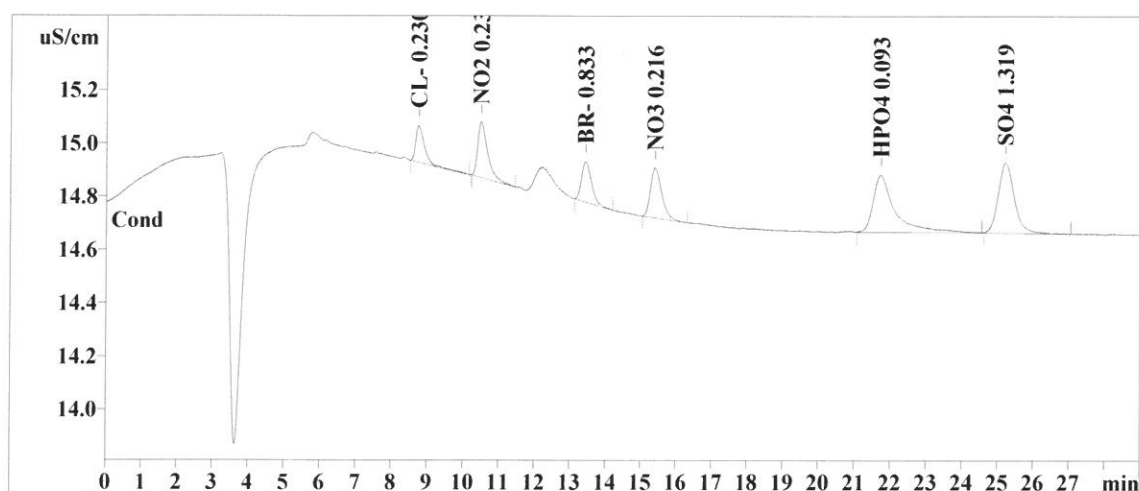
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Analysis from: 3/19/2018 12:11:40 PM
File: _2018-03-19_

Last save: 3/19/2018 4:50:02 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61449

Last save: 3/19/2018 9:52:10 AM

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.74	0.250	0.14	11.78	2.432	7.78	0.
3	10.49	0.286	0.21	17.92	4.156	13.30	0.
4	13.43	0.301	0.15	13.00	2.981	9.54	0.
5	15.38	0.332	0.19	16.07	4.149	13.28	0.
6	21.72	0.523	0.21	18.31	9.149	29.28	0.
7	25.21	0.468	0.26	22.57	8.376	26.81	0.
7	29.00	0.309	1.16	99.65	31.243	100.00	0.

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Report date: 3/19/2018 4:52:13 PM
Printed by: wet

Ident: STD2
Analysis from: 3/19/2018 12:11:40 PM
File: _2018-03-19_

Last save: 3/19/2018 4:52:12 PM

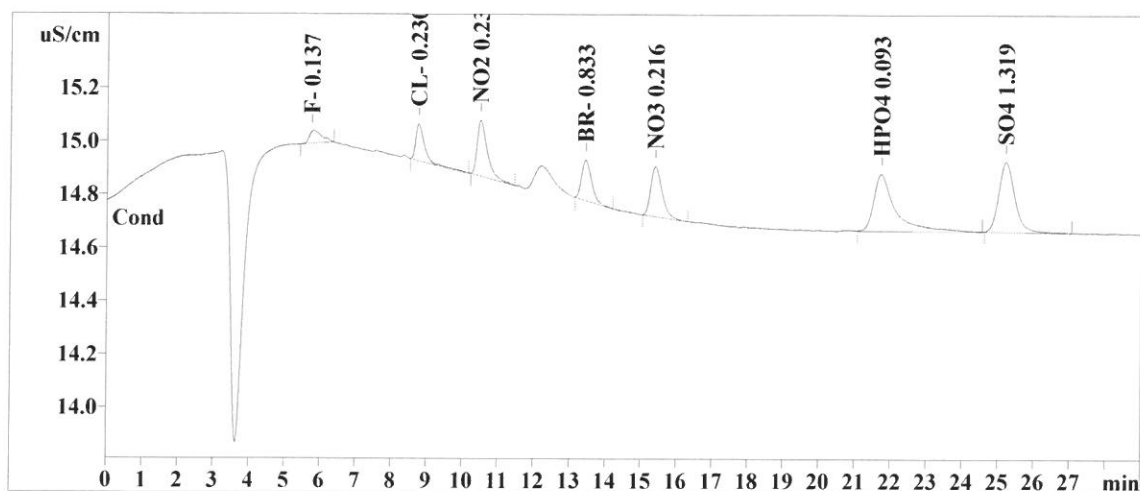
Manual peaks!

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61449

Last save: 3/19/2018 9:52:10 AM

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	5.74	0.369	0.05	3.74	1.141	3.52	0.
2	8.74	0.250	0.14	11.34	2.432	7.51	0.
3	10.49	0.286	0.21	17.25	4.156	12.83	0.
4	13.43	0.301	0.15	12.51	2.981	9.20	0.
5	15.38	0.332	0.19	15.47	4.149	12.81	0.
6	21.72	0.523	0.21	17.63	9.149	28.25	0.
7	25.21	0.468	0.26	21.73	8.376	25.86	0.
7	29.00	0.361	1.21	99.67	32.384	100.00	0.

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Report date: 3/19/2018 5:16:31 PM
Printed by: wet

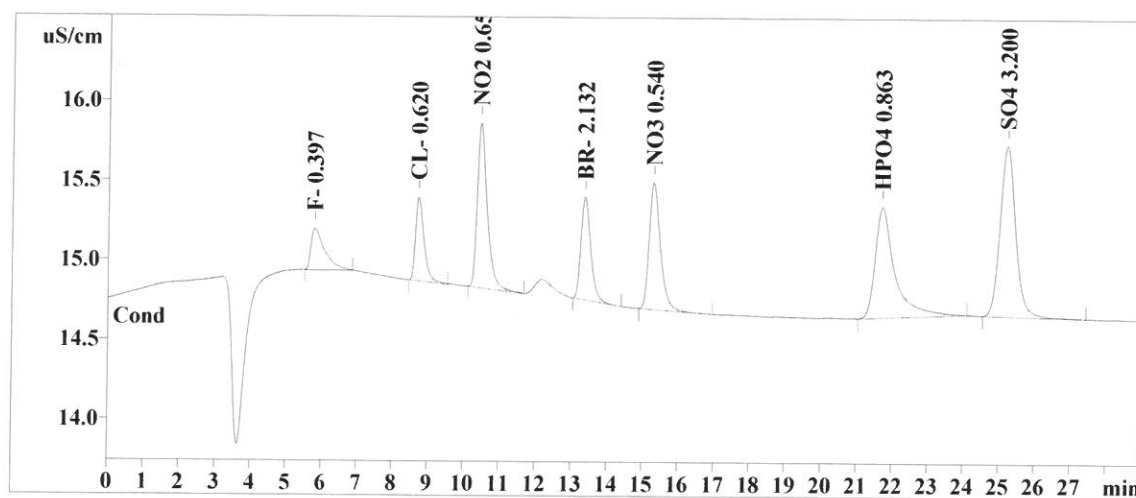
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Analysis from: 3/19/2018 12:43:34 PM
File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61450

Last save: 3/19/2018 9:52:10 AM

SAMPLE:
:
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	5.79	0.378	0.26	5.15	6.989	5.58	0.
2	8.72	0.248	0.52	10.44	8.718	6.96	0.
3	10.46	0.282	1.03	20.57	19.904	15.88	0.
4	13.36	0.289	0.64	12.83	12.392	9.89	0.
5	15.29	0.326	0.79	15.80	17.438	13.92	0.
6	21.70	0.505	0.70	13.83	27.196	21.70	0.
7	25.21	0.454	1.07	21.29	32.680	26.08	0.
7	29.00	0.355	5.02	99.92	125.316	100.00	0.

This report has been created by IC Net
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Report date: 3/19/2018 5:16:37 PM
Printed by: wet

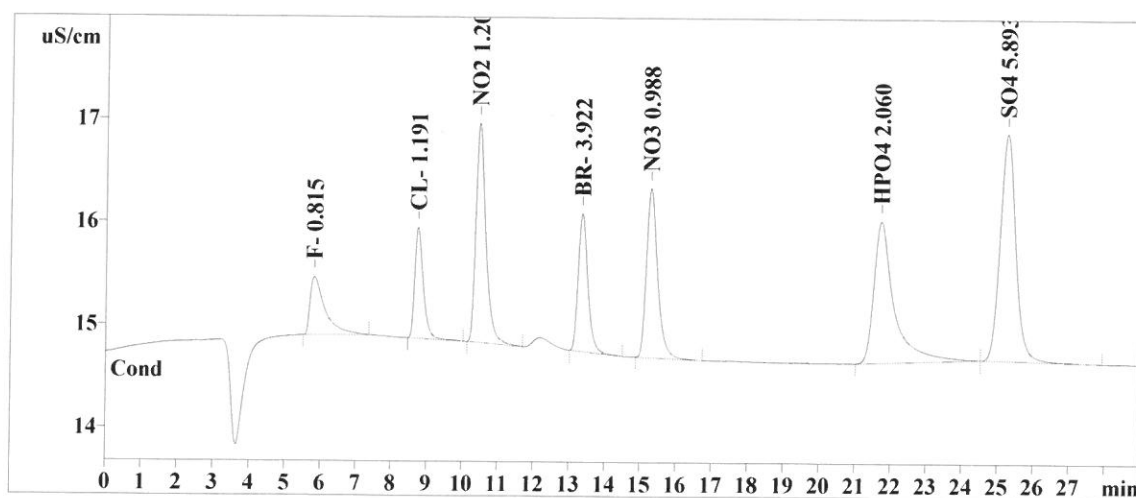
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File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61451

Last save: 3/19/2018 9:52:10 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	5.81	0.391	0.56	5.44	16.409	6.33	0.
2	8.73	0.246	1.08	10.41	17.939	6.93	0.
3	10.45	0.280	2.13	20.61	40.803	15.75	0.
4	13.35	0.285	1.34	12.96	25.373	9.80	0.
5	15.27	0.323	1.64	15.89	35.765	13.81	0.
6	21.71	0.507	1.38	13.32	55.249	21.33	0.
7	25.25	0.458	2.21	21.34	67.485	26.05	0.
7	29.00	0.356	10.33	99.98	259.022	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/19/2018 5:16:44 PM
Printed by: wet

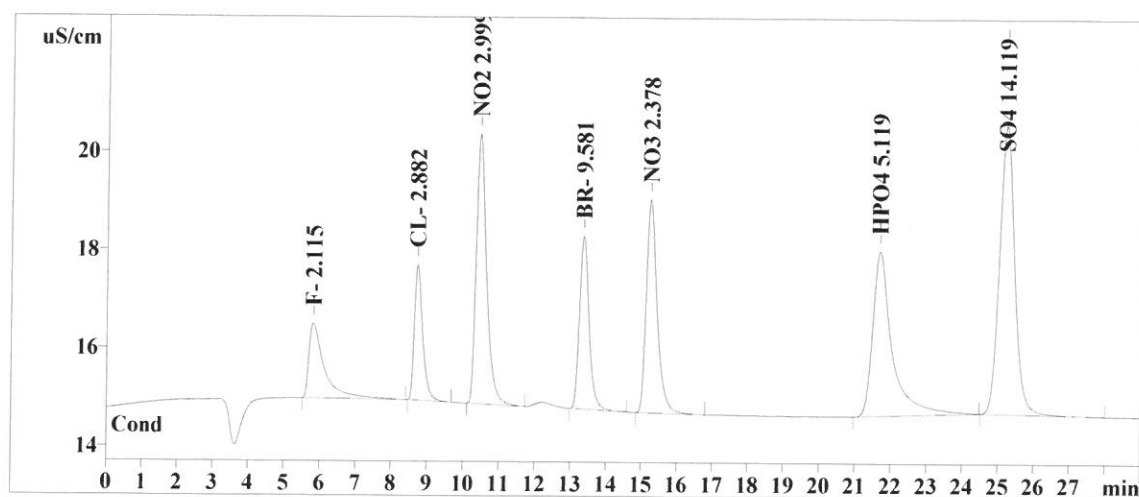
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Analysis from: 3/19/2018 1:47:22 PM
File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61452

Last save: 3/19/2018 9:52:10 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	5.81	0.382	1.52	5.65	45.665	6.93	0.
2	8.72	0.244	2.76	10.27	45.218	6.86	0.
3	10.44	0.291	5.49	20.45	108.582	16.47	0.
4	13.35	0.283	3.52	13.12	66.393	10.07	0.
5	15.23	0.315	4.34	16.16	92.663	14.06	0.
6	21.68	0.486	3.35	12.48	126.933	19.25	0.
7	25.21	0.443	5.86	21.86	173.784	26.36	0.
7	29.00	0.349	26.83	99.99	659.239	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/19/2018 5:16:51 PM
Printed by: wet

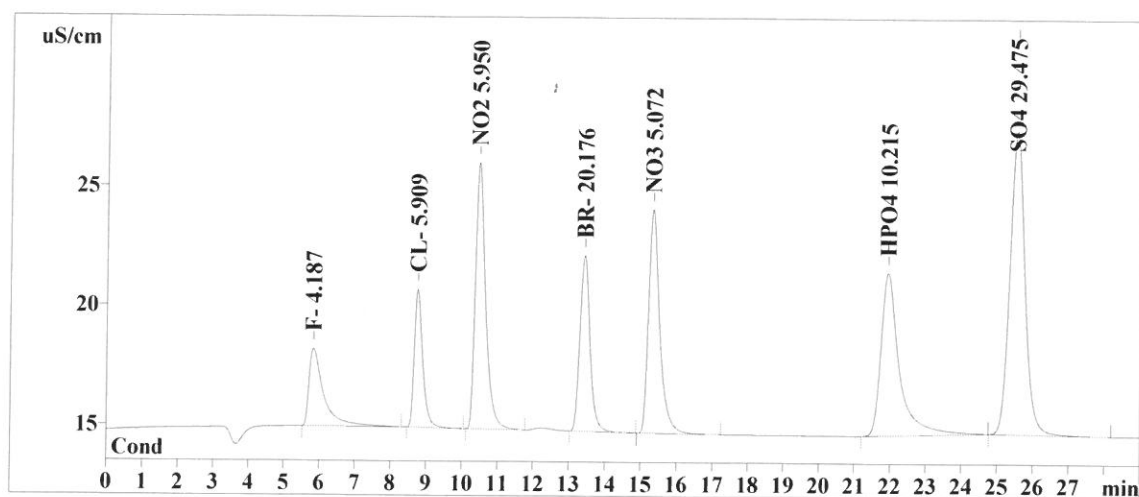
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Analysis from: 3/19/2018 2:19:16 PM
File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61453

Last save: 3/19/2018 9:52:10 AM

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	5.83	0.371	3.23	5.74	92.268	6.73	0.
2	8.74	0.241	5.76	10.24	94.056	6.86	0.
3	10.45	0.290	11.13	19.77	220.042	16.05	0.
4	13.42	0.292	7.35	13.06	143.199	10.44	0.
5	15.31	0.316	9.34	16.60	202.969	14.80	0.
6	21.92	0.475	6.80	12.09	246.345	17.97	0.
7	25.51	0.439	12.67	22.50	372.225	27.15	0.
7	29.00	0.346	56.30	100.00	1371.105	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/19/2018 5:16:57 PM
Printed by: wet

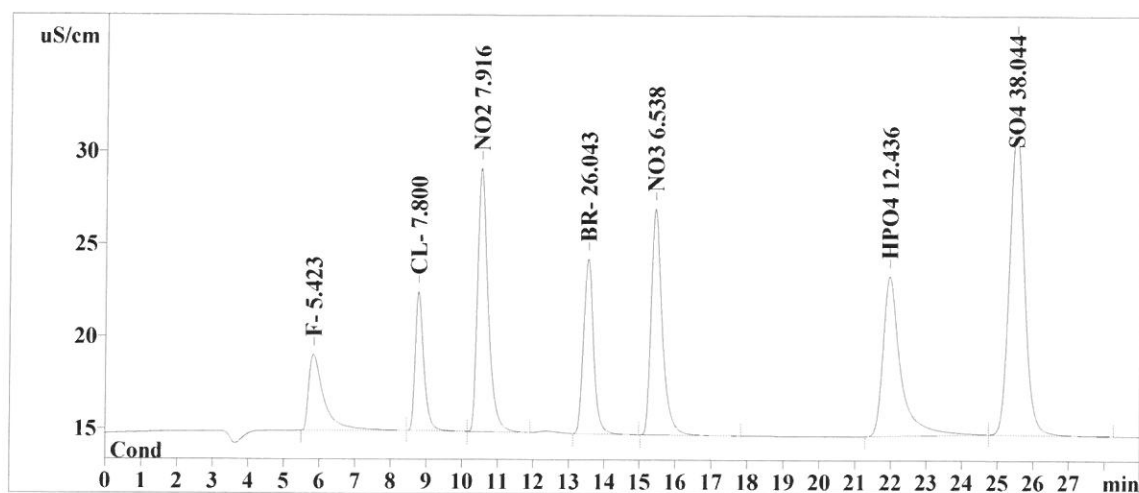
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Analysis from: 3/19/2018 2:51:11 PM
File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61454

Last save: 3/19/2018 9:52:10 AM

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	5.83	0.387	4.10	5.65	120.082	6.79	0.
2	8.77	0.245	7.49	10.31	124.582	7.04	0.
3	10.51	0.304	14.24	19.59	294.341	16.64	0.
4	13.53	0.296	9.43	12.98	185.734	10.50	0.
5	15.41	0.314	12.20	16.79	262.984	14.87	0.
6	21.95	0.457	8.63	11.87	298.393	16.87	0.
7	25.49	0.436	16.58	22.81	482.955	27.30	0.
7	29.00	0.349	72.68	99.99	1769.070	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/19/2018 6:46:42 PM
 Printed by: wet

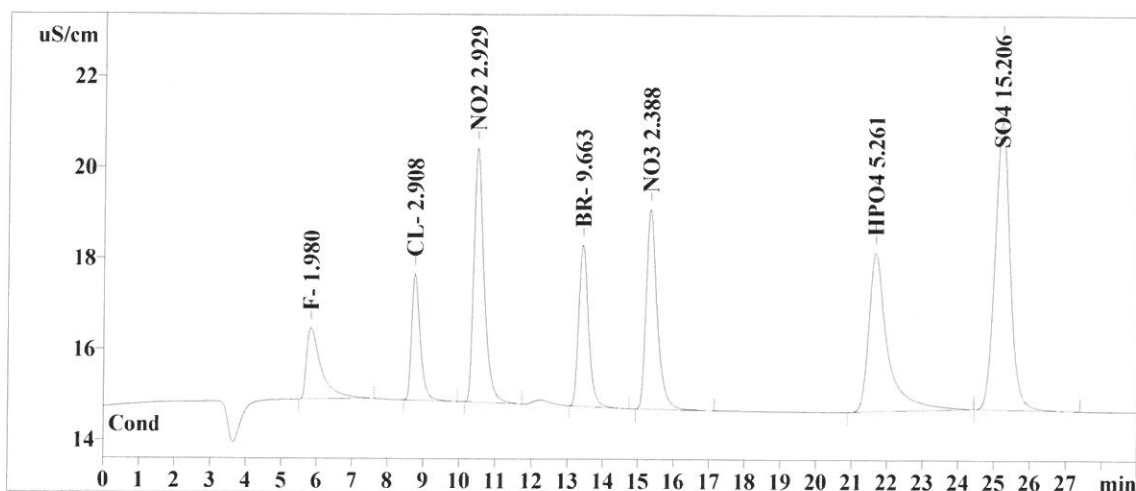
Ident: ICV
 Analysis from: 3/19/2018 4:27:28 PM
 File: _2018-03-19_

Last save: 3/19/2018 6:46:38 PM

Method: ANIONS 03-19-18.mtw
 Run operator: wet
 Analysis number: 61457

Last save: 3/19/2018 9:52:10 AM

SAMPLE:
 : AK/AP
 Vial number: 11
 Volume: 20.0 μ L
 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	0.389	1.56	5.64	45.402	6.66	0.
2	8.75	0.246	2.78	10.02	46.071	6.76	0.
3	10.48	0.285	5.60	20.21	108.955	15.98	0.
4	13.42	0.288	3.56	12.84	68.309	10.02	0.
5	15.32	0.319	4.39	15.85	95.307	13.98	0.
6	21.66	0.482	3.49	12.60	130.436	19.13	0.
7	25.19	0.443	6.33	22.84	187.404	27.48	0.
7	29.00	0.350	27.70	100.00	681.883	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 3/19/2018 6:46:49 PM
Printed by: wet

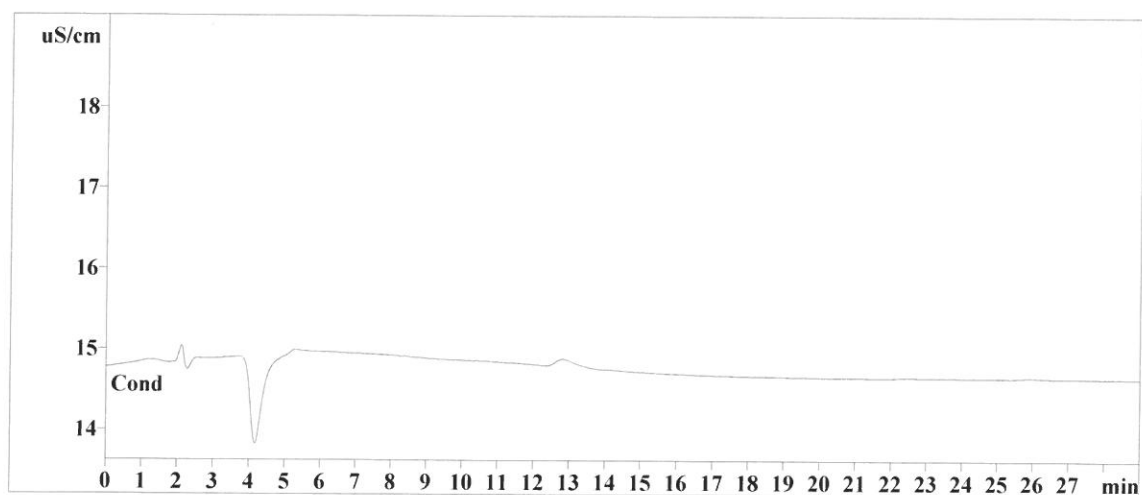
Ident: ICB
Analysis from: 3/19/2018 5:23:20 PM
File: _2018-03-19_

Last save: 3/19/2018 6:46:38 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61459

Last save: 3/19/2018 9:52:10 AM

SAMPLE:
: AK/AP
Vial number: 12
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

J2054-01DUPRE	0.0000	1238.5060	0.0000	2.0400	0.0000	0.0000	4.8540	2018-03-26	3/26/18 18:04
J2054-01MSRE	1.8150	1138.0650	0.0000	9.8380	2.0180	0.0000	16.7480	2018-03-26	3/26/18 18:35
J2054-01MSDRE	2.1820	1113.6780	0.0000	11.4390	2.4400	0.0000	19.3180	2018-03-26	3/26/18 19:06
CCV	1.8830	2.8980	2.8330	9.4460	2.3490	5.3190	14.4680	2018-03-26	3/26/18 19:37
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-03-26	3/26/18 20:08

Report date: 3/26/2018 9:48:08 AM
Printed by: wet

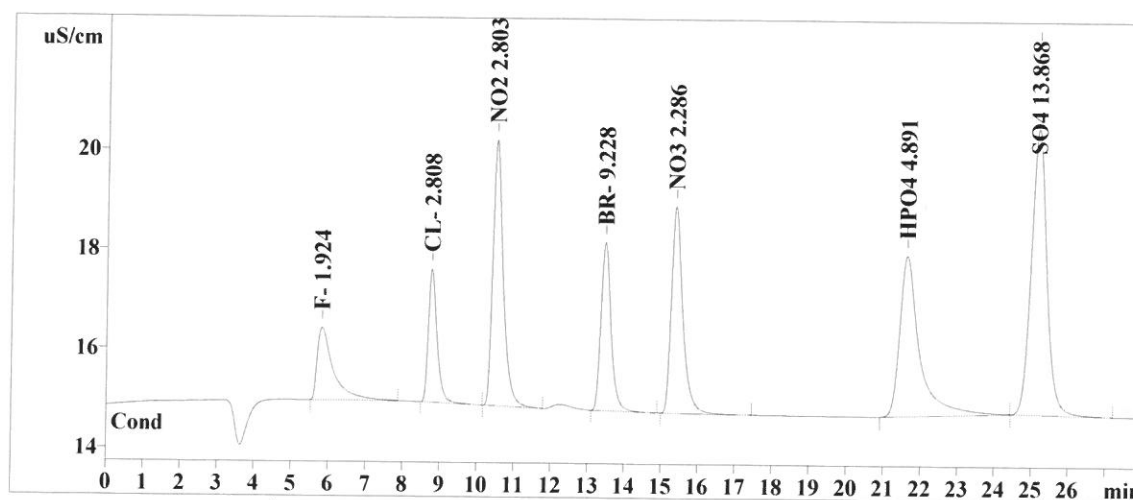
Ident: CCV
Analysis from: 3/23/2018 10:09:37 AM
File: _2018-03-23_

Last save: 3/23/2018 10:37:26 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61519

Last save: 3/21/2018 1:22:26 PM

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	5.81	0.399	1.46	5.61	44.043	6.88	0.
2	8.76	0.246	2.67	10.29	44.438	6.94	0.
3	10.50	0.286	5.34	20.56	104.040	16.25	0.
4	13.45	0.287	3.38	13.01	65.069	10.16	0.
5	15.37	0.320	4.16	15.99	90.985	14.21	0.
6	21.61	0.486	3.22	12.40	121.658	19.00	0.
7	25.16	0.443	5.75	22.14	170.166	26.57	0.
7	28.00	0.353	25.99	99.99	640.400	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 9:48:22 AM
Printed by: wet

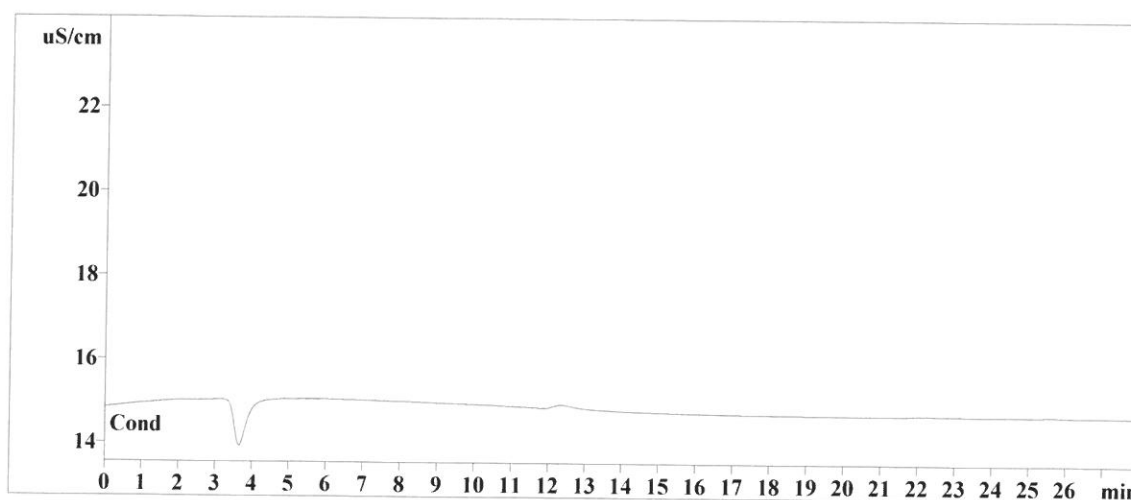
Ident: CCB
Analysis from: 3/23/2018 10:40:31 AM
File: _2018-03-23_

Last save: 3/23/2018 11:08:20 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61520

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
:
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: 3/26/2018 9:48:31 AM
Printed by: wet

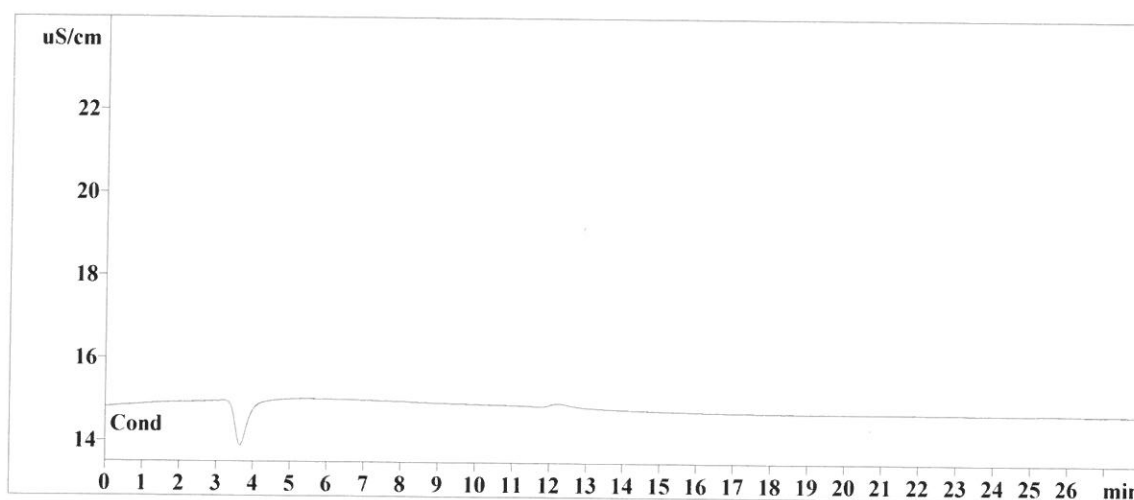
Ident: LB94134BLW
Analysis from: 3/23/2018 11:11:26 AM
File: _2018-03-23_

Last save: 3/26/2018 9:48:00 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61521

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
:
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: 3/26/2018 9:48:43 AM
Printed by: wet

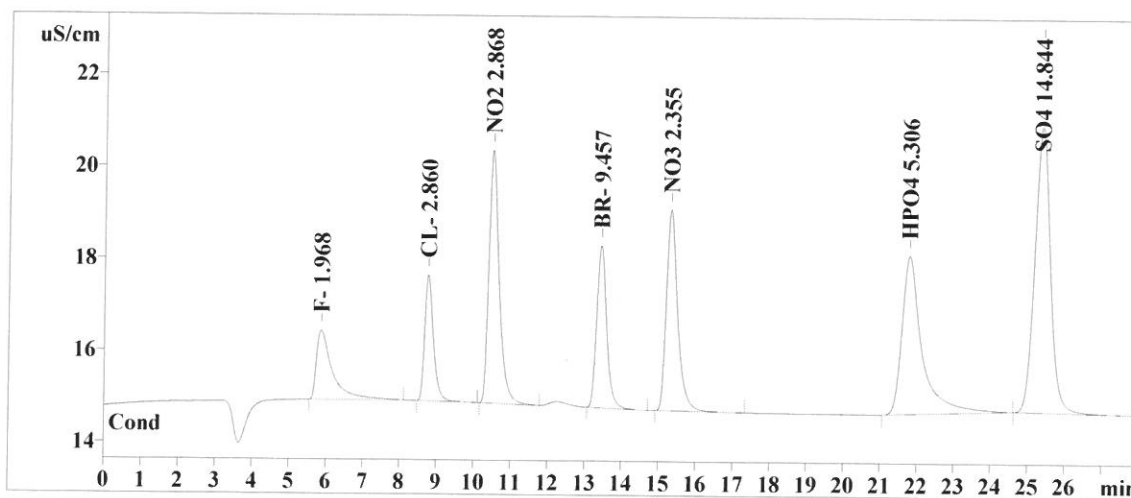
Ident: LB94134BSW
Analysis from: 3/23/2018 11:42:20 AM
File: _2018-03-23_

Last save: 3/26/2018 9:48:00 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61522

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
: AK/AP
Vial number: 5
Volume: 20.0 μ L
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	0.391	1.50	5.49	45.098	6.71	0.
2	8.75	0.245	2.73	10.03	45.285	6.74	0.
3	10.48	0.285	5.49	20.14	106.565	15.86	0.
4	13.42	0.285	3.52	12.91	66.773	9.94	0.
5	15.30	0.317	4.36	16.00	93.876	13.97	0.
6	21.77	0.495	3.43	12.59	131.522	19.58	0.
7	25.35	0.441	6.22	22.83	182.747	27.20	0.
7	28.00	0.351	27.26	100.00	671.867	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 9:53:37 AM
Printed by: wet

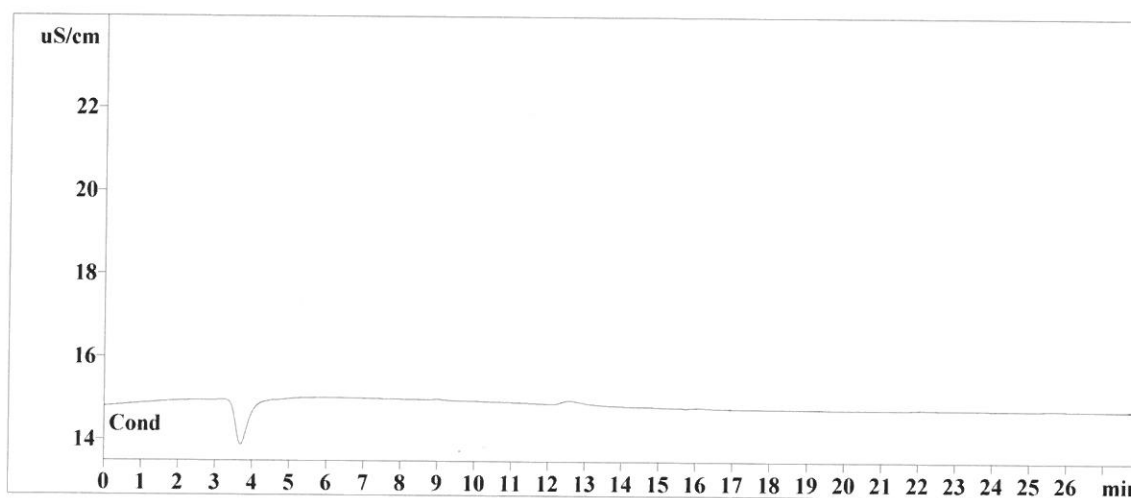
Ident: J2025-01
Analysis from: 3/23/2018 1:52:35 PM
File: _2018-03-23_

Last save: 3/23/2018 2:20:24 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61525

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
: AK/AP
Vial number: 6
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: 3/26/2018 9:56:17 AM
Printed by: wet

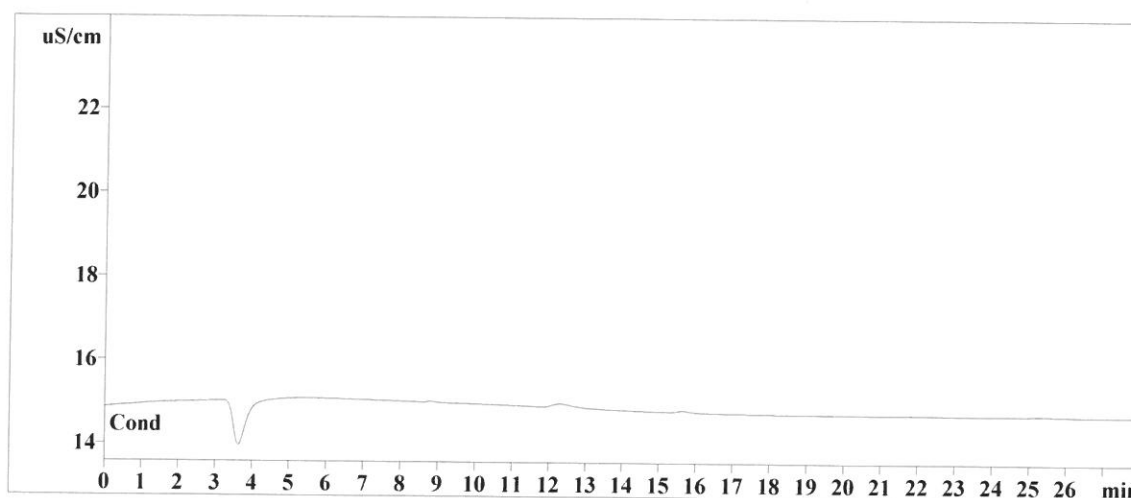
Ident: J2025-02
Analysis from: 3/23/2018 2:23:30 PM
File: _2018-03-23_

Last save: 3/26/2018 9:56:08 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61526

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
:
Vial number: 7
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: 3/26/2018 9:58:09 AM
Printed by: wet

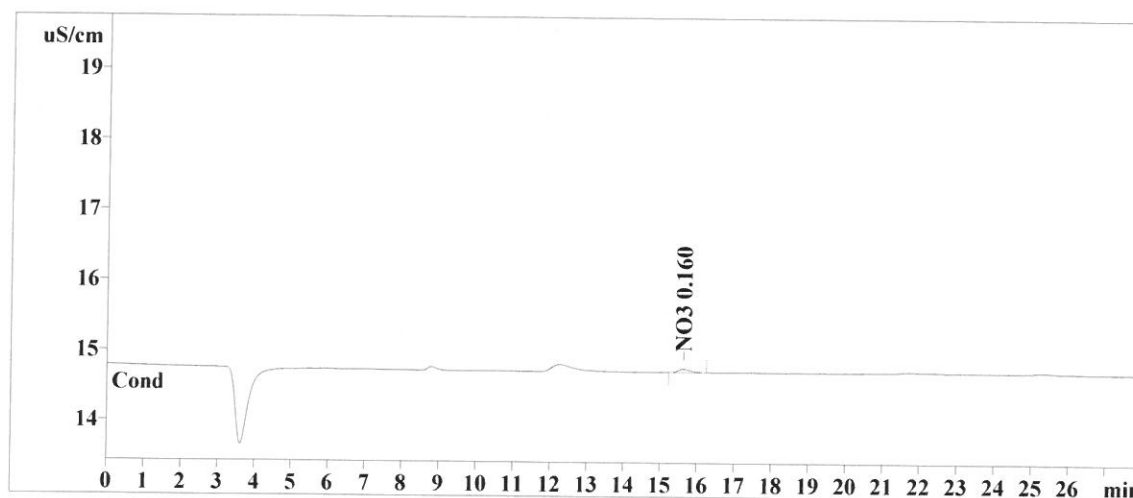
Ident: J2025-03
Analysis from: 3/23/2018 3:13:42 PM
File: _2018-03-23_

Last save: 3/26/2018 9:57:56 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61529

Last save: 3/21/2018 1:22:26 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	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	15.62	0.348	0.05	99.08	1.185	100.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.050	0.05	99.08	1.185	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 10:00:07 AM
Printed by: wet

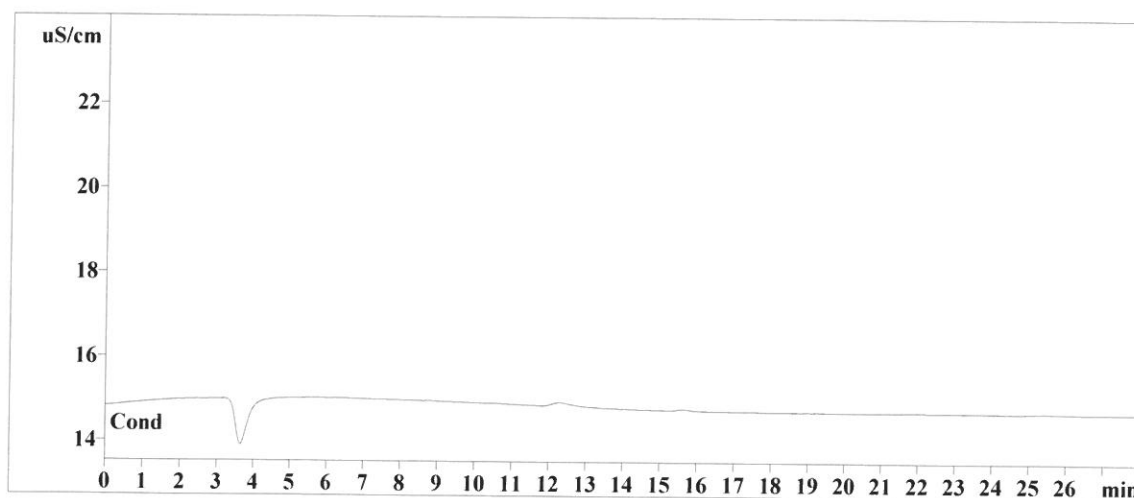
Ident: J2026-01
Analysis from: 3/23/2018 3:51:29 PM
File: _2018-03-23_

Last save: 3/26/2018 9:58:58 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61530

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
: AK/AP
Vial number: 9
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: 3/26/2018 10:00:17 AM
Printed by: wet

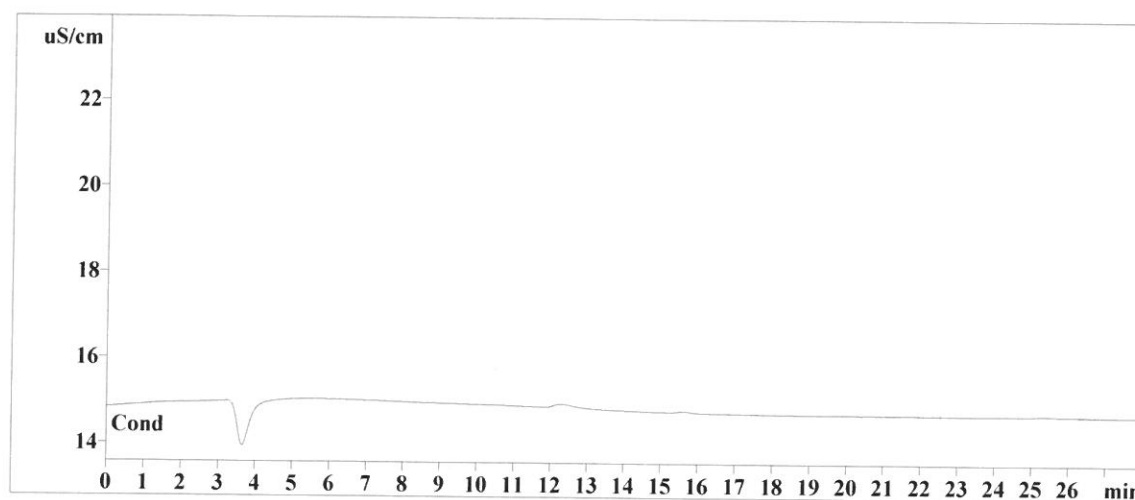
Ident: J2026-01DUP
Analysis from: 3/23/2018 4:22:24 PM
File: _2018-03-23_

Last save: 3/23/2018 4:50:14 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61531

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
:
Vial number: 10
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: 3/26/2018 10:00:33 AM
Printed by: wet

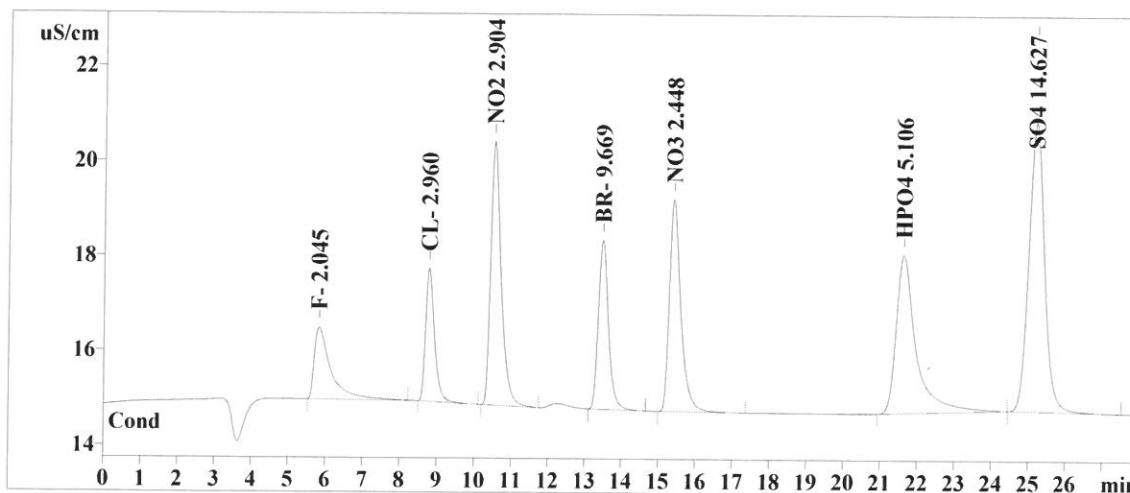
Ident: J2026-01MS
Analysis from: 3/23/2018 4:53:19 PM
File: _2018-03-23_

Last save: 3/23/2018 5:21:08 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61532

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
: AK/AP
Vial number: 11
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	5.82	0.404	1.51	5.53	46.975	6.96	0.
2	8.77	0.248	2.80	10.25	46.930	6.95	0.
3	10.52	0.286	5.57	20.36	107.996	16.00	0.
4	13.47	0.287	3.56	13.03	68.348	10.13	0.
5	15.39	0.321	4.46	16.32	97.843	14.50	0.
6	21.61	0.491	3.34	12.20	126.761	18.79	0.
7	25.18	0.443	6.09	22.29	179.941	26.67	0.
7	28.00	0.354	27.34	99.99	674.794	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 10:00:45 AM
Printed by: wet

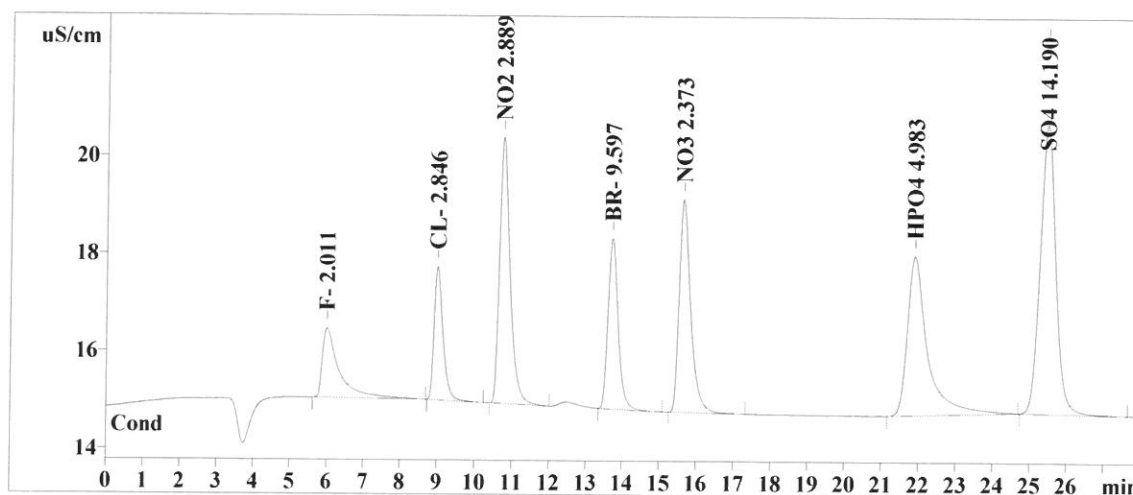
Ident: J2026-01MSD
Analysis from: 3/23/2018 5:24:13 PM
File: _2018-03-23_

Last save: 3/23/2018 5:52:02 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61533

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
: AK/AP
Vial number: 12
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	0.409	1.42	5.33	46.142	7.00	0.
2	9.00	0.245	2.73	10.25	45.055	6.83	0.
3	10.74	0.291	5.44	20.46	107.394	16.29	0.
4	13.71	0.292	3.49	13.12	67.817	10.29	0.
5	15.64	0.319	4.35	16.37	94.677	14.36	0.
6	21.89	0.490	3.25	12.24	123.837	18.78	0.
7	25.45	0.443	5.91	22.23	174.311	26.44	0.
7	28.00	0.356	26.60	99.98	659.233	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 10:01:36 AM
Printed by: wet

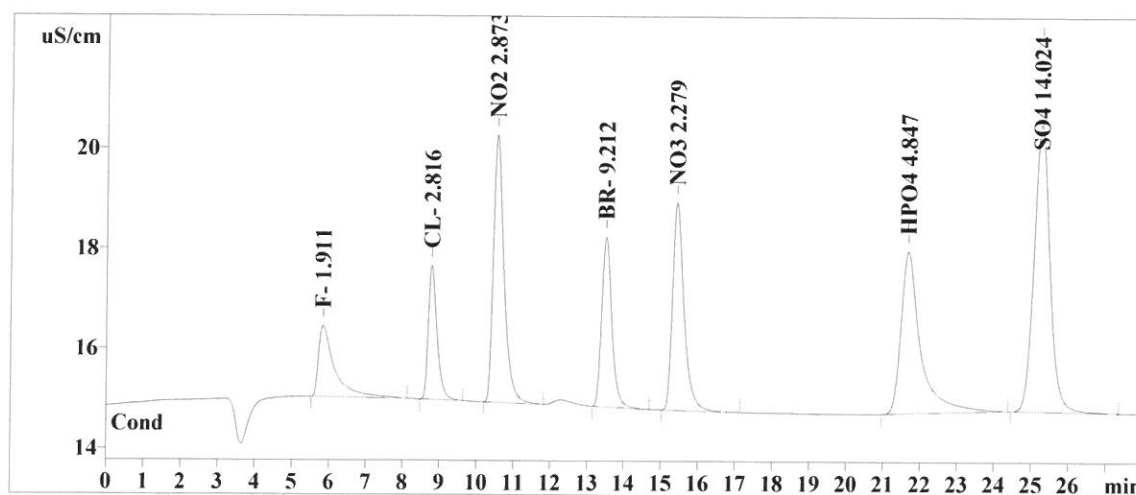
Ident: CCV
Analysis from: 3/23/2018 5:55:08 PM
File: _2018-03-23_

Last save: 3/23/2018 6:22:56 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61534

Last save: 3/21/2018 1:22:26 PM

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	5.82	0.393	1.42	5.46	43.722	6.79	0.
2	8.77	0.249	2.67	10.30	44.561	6.93	0.
3	10.53	0.294	5.34	20.58	106.767	16.59	0.
4	13.50	0.286	3.39	13.07	64.948	10.09	0.
5	15.41	0.321	4.15	15.99	90.685	14.09	0.
6	21.66	0.481	3.23	12.46	120.610	18.74	0.
7	25.25	0.449	5.74	22.13	172.173	26.76	0.
7	28.00	0.353	25.94	100.00	643.465	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 10:01:49 AM
Printed by: wet

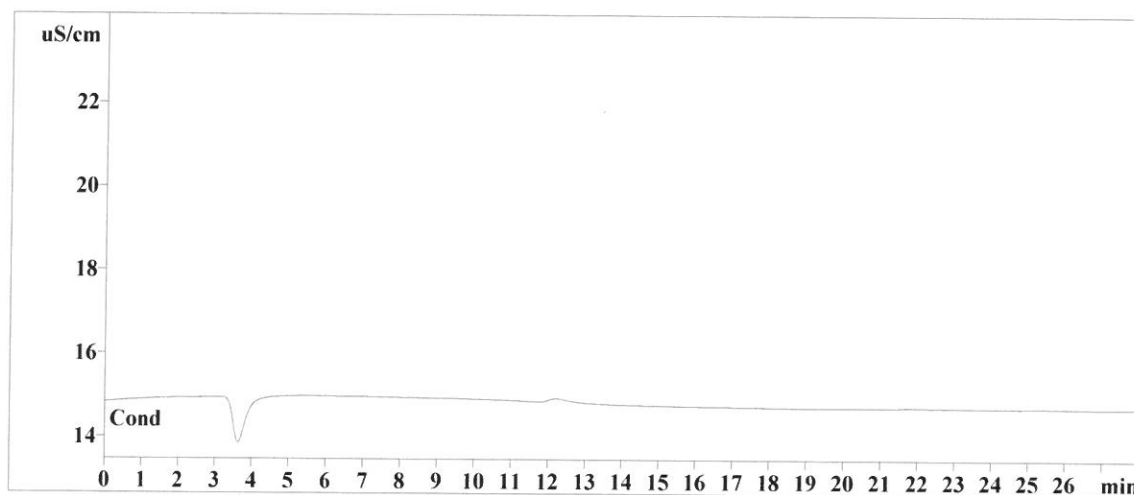
Ident: CCB
Analysis from: 3/23/2018 6:26:02 PM
File: _2018-03-23_

Last save: 3/23/2018 6:53:50 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61535

Last save: 3/21/2018 1:22:26 PM

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: 3/26/2018 10:03:42 AM
Printed by: wet

Ident: J2054-01
Analysis from: 3/23/2018 6:56:57 PM
File: _2018-03-23_

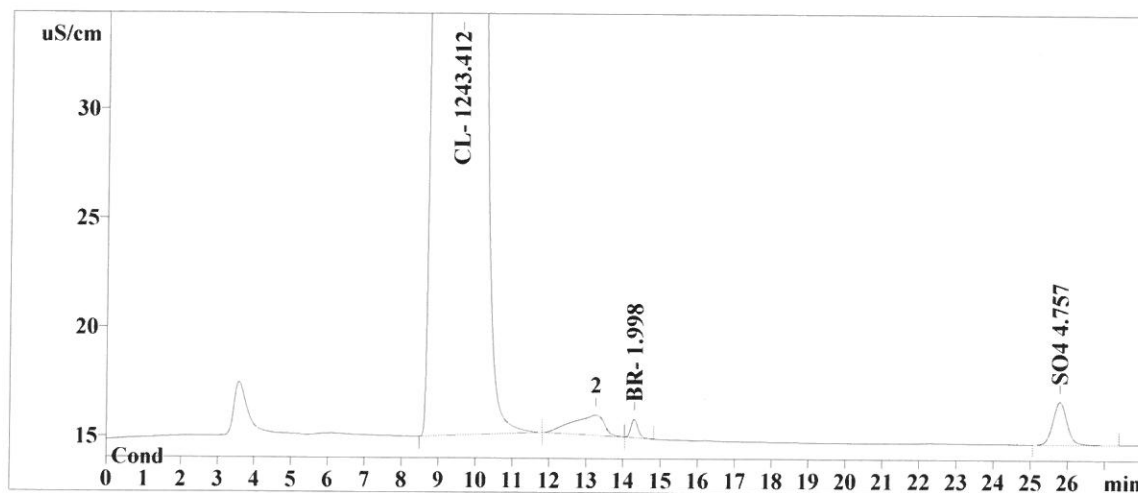
Last save: 3/26/2018 10:03:40 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61536

Last save: 3/21/2018 1:22:26 PM

SAMPLE:

: AK/AP
Vial number: 13
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	9.57	0.732	456.87	99.19	20452.000	99.42	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	14.30	0.206	0.84	0.18	11.208	0.05	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	25.79	0.401	1.97	0.43	52.774	0.26	0.
7	28.00	0.191	459.68	99.80	20515.982	99.73	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 10:08:26 AM
Printed by: wet

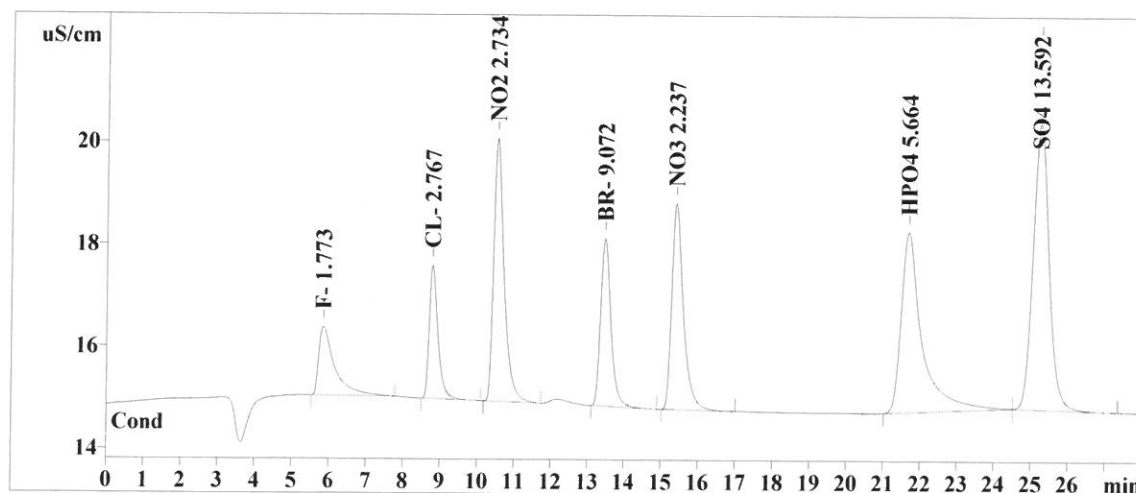
Ident: CCV
Analysis from: 3/23/2018 7:27:51 PM
File: _2018-03-23_

Last save: 3/23/2018 7:55:40 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61537

Last save: 3/21/2018 1:22:26 PM

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	5.84	0.398	1.34	5.24	40.386	6.26	0.
2	8.78	0.248	2.60	10.22	43.765	6.79	0.
3	10.52	0.289	5.14	20.15	101.362	15.72	0.
4	13.46	0.291	3.27	12.83	63.904	9.91	0.
5	15.39	0.324	4.02	15.79	88.904	13.78	0.
6	21.67	0.501	3.52	13.82	140.022	21.71	0.
7	25.23	0.446	5.59	21.95	166.608	25.83	0.
7	28.00	0.357	25.49	99.99	644.950	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/26/2018 10:08:45 AM
Printed by: wet

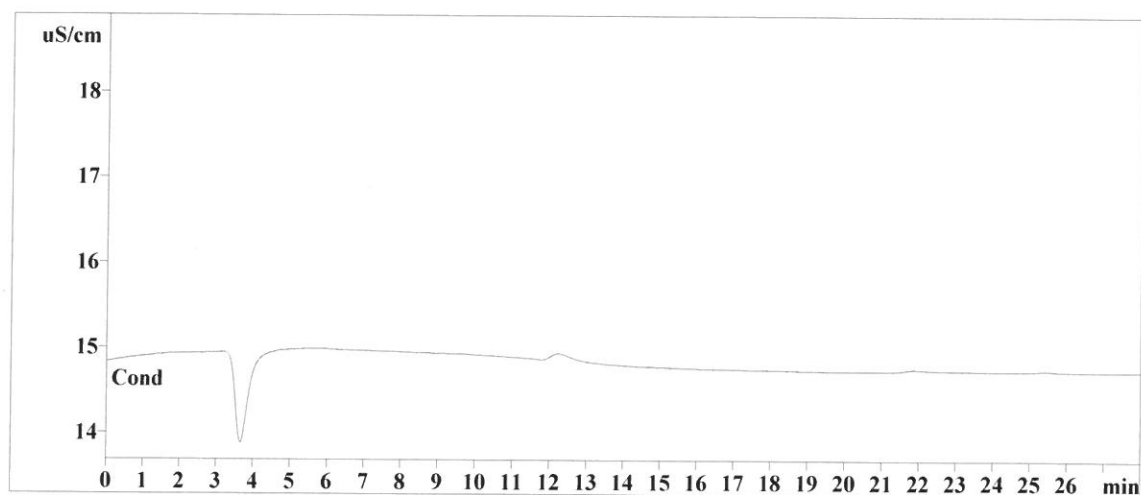
Ident: CCB
Analysis from: 3/23/2018 7:58:46 PM
File: _2018-03-23_

Last save: 3/23/2018 8:26:34 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61538

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
:
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: 3/27/2018 12:59:24 PM
Printed by: wet

Ident: CCV
Analysis from: 3/26/2018 3:29:58 PM
File: _2018-03-26_

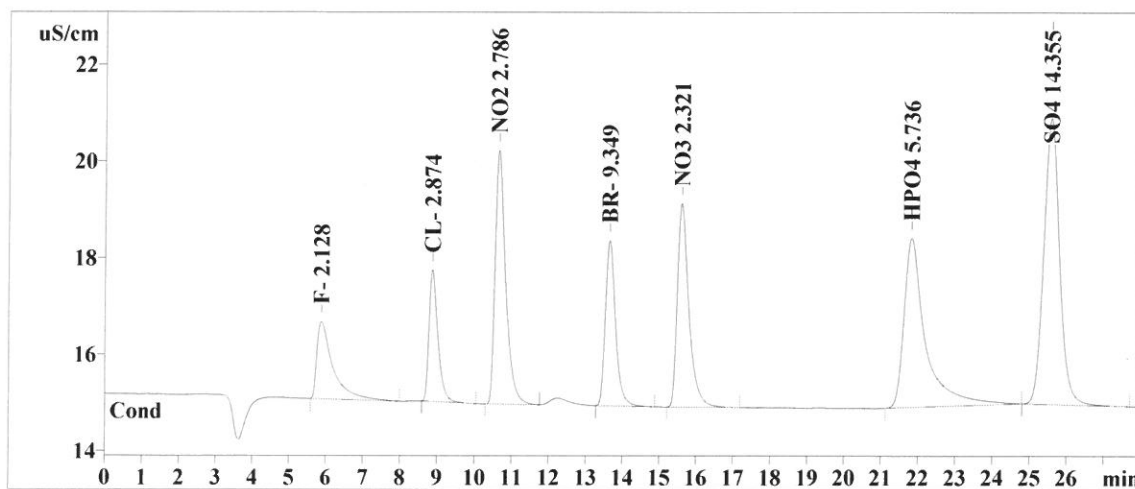
Last save: 3/26/2018 3:57:48 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61557

Last save: 3/21/2018 1:22:26 PM

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	5.87	0.405	1.60	6.00	48.982	7.26	0.
2	8.87	0.249	2.72	10.21	45.522	6.75	0.
3	10.64	0.289	5.25	19.73	103.392	15.33	0.
4	13.64	0.287	3.42	12.84	65.970	9.78	0.
5	15.59	0.321	4.21	15.82	92.442	13.71	0.
6	21.82	0.509	3.50	13.15	141.719	21.01	0.
7	25.56	0.446	5.92	22.24	176.437	26.16	0.
7	28.00	0.358	26.62	99.99	674.464	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 12:59:35 PM
Printed by: wet

Ident: CCB
Analysis from: 3/26/2018 4:00:53 PM
File: _2018-03-26_

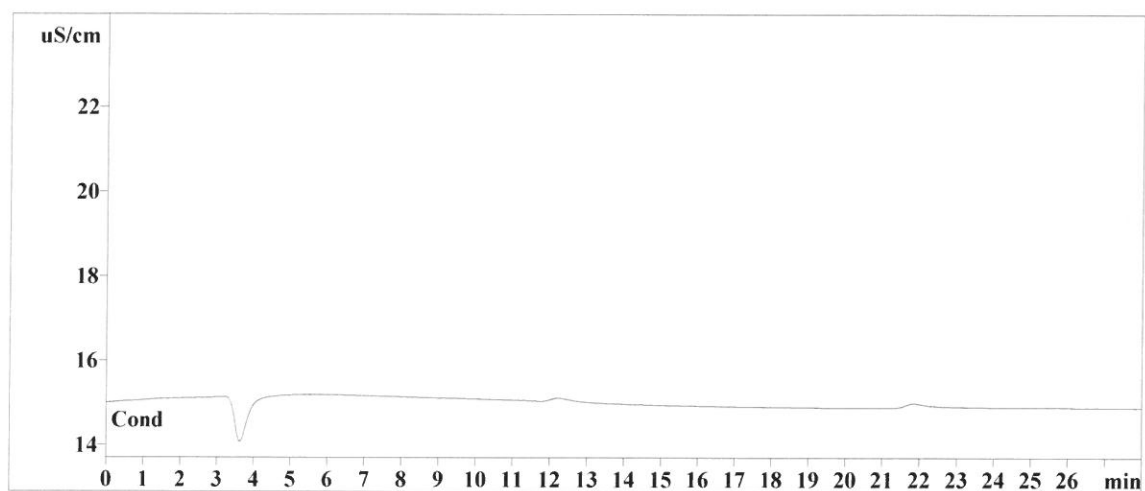
Last save: 3/26/2018 4:28:42 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61558

Last save: 3/21/2018 1:22:26 PM

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: 3/27/2018 12:59:44 PM
Printed by: wet

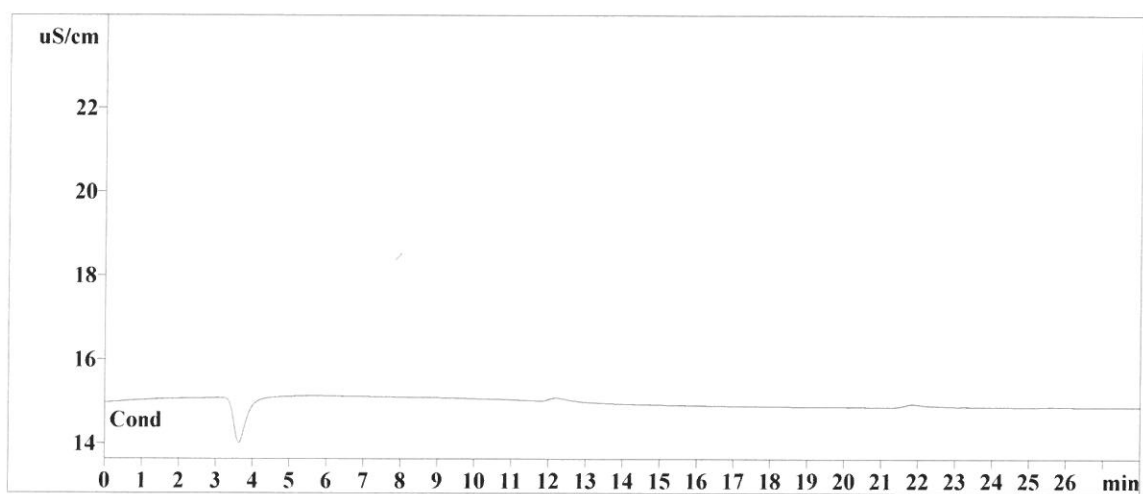
Ident: LB94134BLW2
Analysis from: 3/26/2018 4:31:47 PM
File: _2018-03-26_

Last save: 3/27/2018 12:58:32 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61559

Last save: 3/21/2018 1:22:26 PM

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: 3/27/2018 1:00:01 PM
Printed by: wet

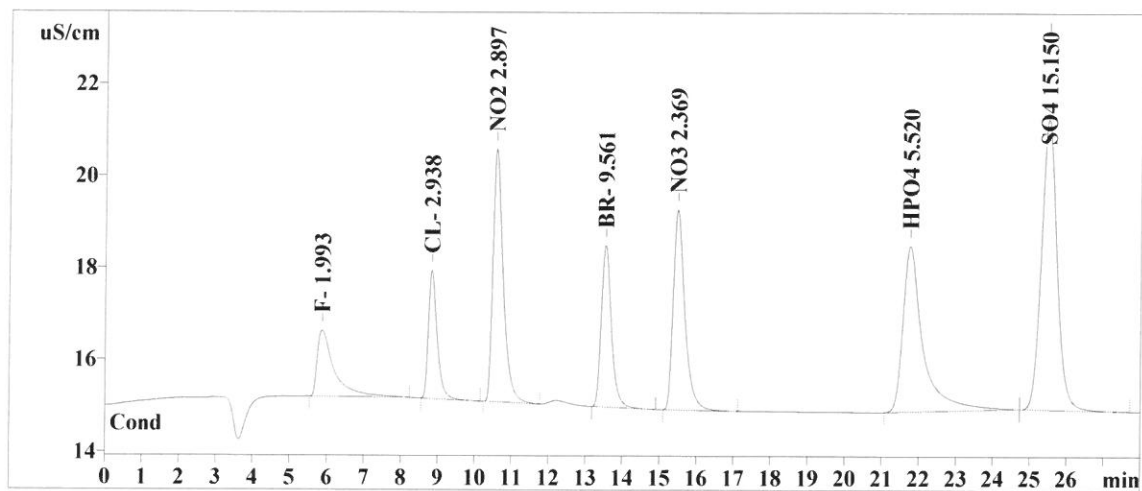
Ident: LB94134BSW2
Analysis from: 3/26/2018 5:02:42 PM
File: _2018-03-26_

Last save: 3/27/2018 12:58:32 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61560

Last save: 3/21/2018 1:22:26 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	5.86	0.412	1.43	5.21	45.726	6.67	0.
2	8.82	0.247	2.79	10.13	46.568	6.80	0.
3	10.57	0.288	5.50	20.00	107.719	15.72	0.
4	13.53	0.287	3.51	12.78	67.544	9.86	0.
5	15.47	0.320	4.34	15.79	94.494	13.79	0.
6	21.75	0.483	3.60	13.10	136.592	19.93	0.
7	25.49	0.443	6.32	22.99	186.688	27.24	0.
7	28.00	0.354	27.48	99.99	685.331	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 1:00:19 PM
Printed by: wet

Ident: J2054-01 *PE*
Analysis from: 3/26/2018 5:33:37 PM
File: _2018-03-26_

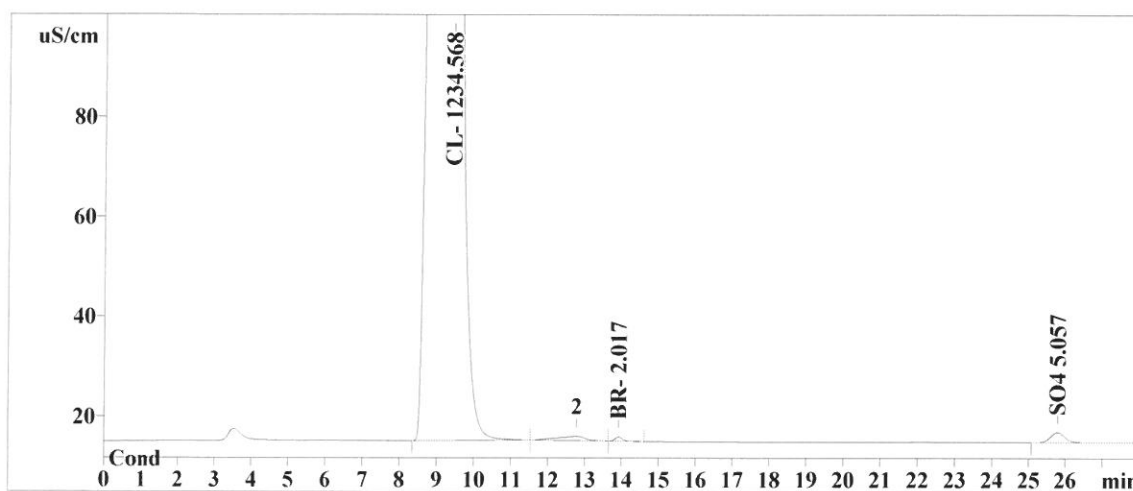
Last save: 3/26/2018 6:01:26 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61561

Last save: 3/21/2018 1:22:26 PM

SAMPLE:

: AK/AP
Vial number: 11
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	9.42	0.696	497.12	99.25	20306.513	99.45	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.93	0.213	0.81	0.16	11.354	0.06	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	25.79	0.418	2.03	0.40	56.644	0.28	0.
7	28.00	0.190	499.96	99.82	20374.510	99.78	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 1:00:31 PM
Printed by: wet

Ident: J2054-01DUP *PE*
Analysis from: 3/26/2018 6:04:31 PM
File: _2018-03-26_

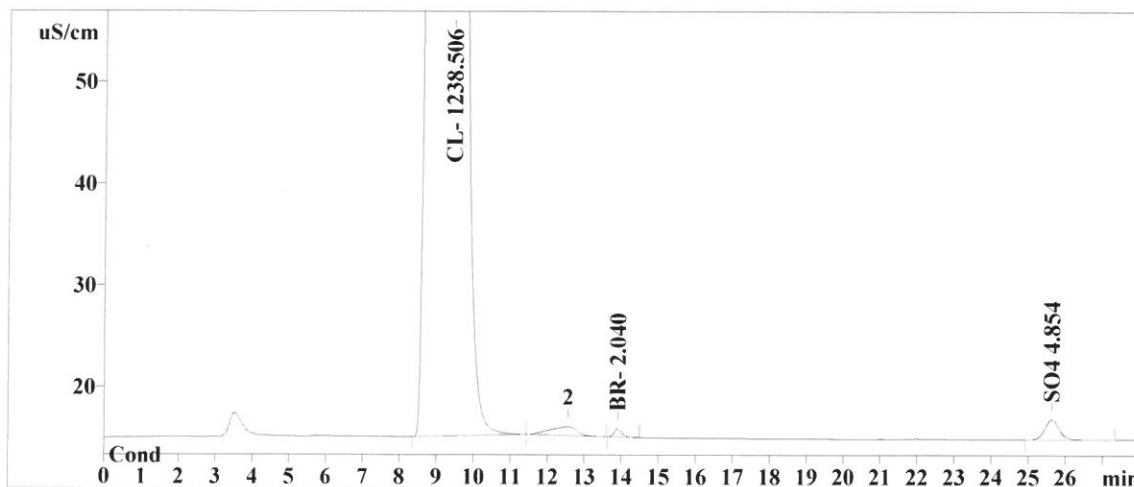
Last save: 3/26/2018 6:32:20 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61562

Last save: 3/21/2018 1:22:26 PM

SAMPLE:

: AK/AP
Vial number: 12
Volume: 20.0 μ L
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	9.44	0.708	488.58	99.25	20371.292	99.46	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.91	0.218	0.80	0.16	11.520	0.06	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	25.64	0.409	1.98	0.40	54.027	0.26	0.
7	28.00	0.191	491.37	99.82	20436.839	99.78	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 1:02:15 PM
Printed by: wet

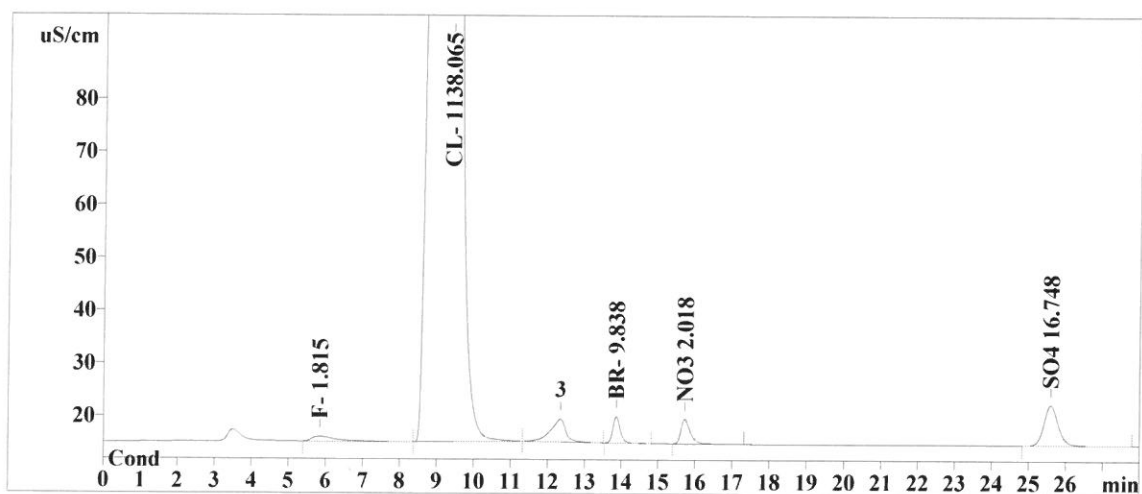
Ident: J2054-01MS *RE AK 3-27-18*
Analysis from: 3/26/2018 6:35:26 PM
File: _2018-03-26_

Last save: 3/26/2018 7:03:14 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61563

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
: AK/AP
Vial number: 13
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	0.644	0.88	0.18	41.408	0.22	0.
2	9.39	0.679	470.13	95.44	18719.072	97.29	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.86	0.211	4.96	1.01	69.609	0.36	0.
5	15.72	0.253	4.62	0.94	79.663	0.41	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.60	0.405	7.65	1.55	207.276	1.08	0.
7	28.00	0.313	488.24	99.12	19117.029	99.36	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 1:02:31 PM
Printed by: wet

Ident: J2054-01MSD *RE*
Analysis from: 3/26/2018 7:06:20 PM
File: _2018-03-26_

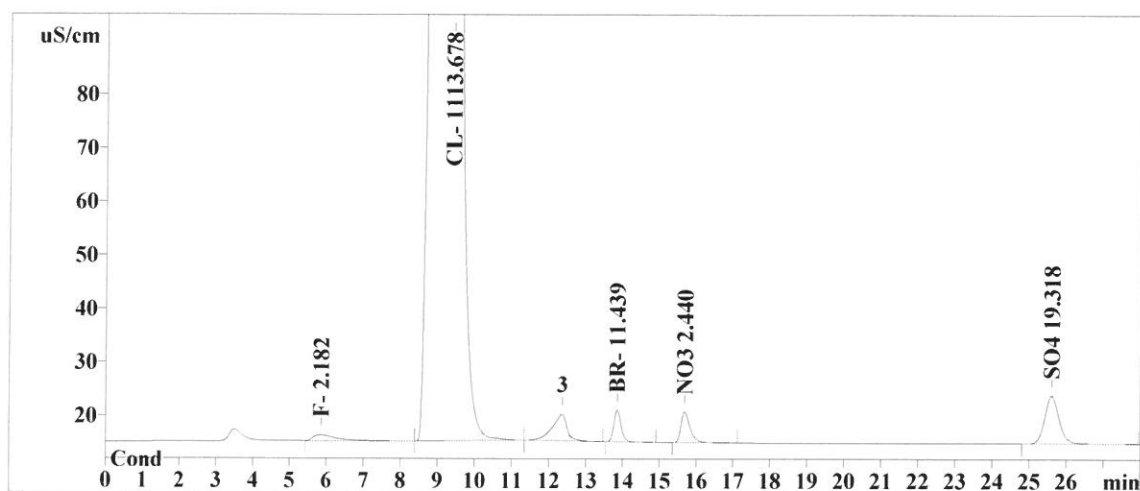
AK 3.27.18

Last save: 3/26/2018 7:34:10 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61564

Last save: 3/21/2018 1:22:26 PM

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	5.85	0.644	1.09	0.22	50.296	0.27	0.
2	9.40	0.671	464.86	94.57	18317.920	96.78	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.85	0.207	5.92	1.20	81.533	0.43	0.
5	15.68	0.250	5.72	1.16	97.486	0.52	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.60	0.402	8.94	1.82	240.389	1.27	0.
7	28.00	0.311	486.52	98.98	18787.625	99.26	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 1:02:42 PM
Printed by: wet

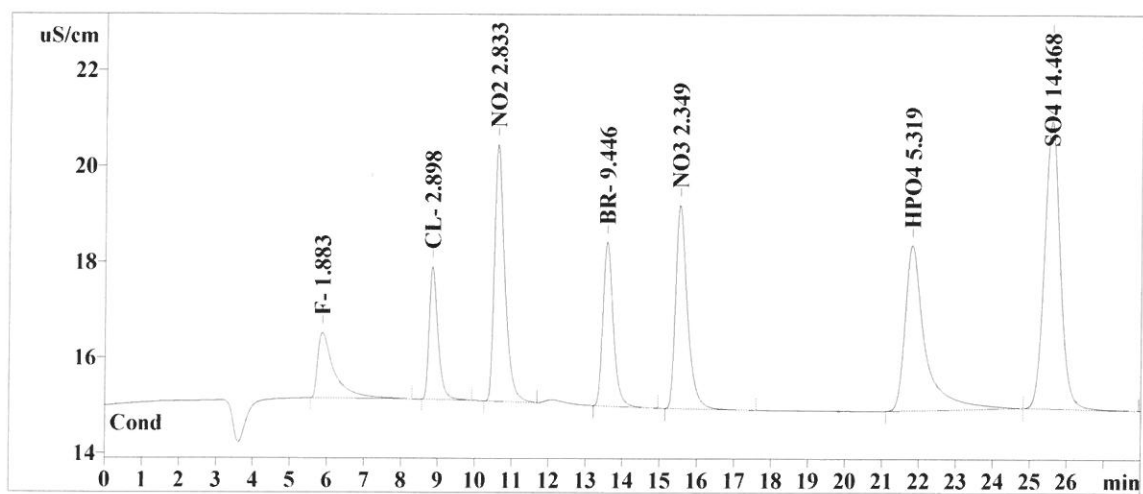
Ident: CCV
Analysis from: 3/26/2018 7:37:15 PM
File: _2018-03-26_

Last save: 3/26/2018 8:05:04 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61565

Last save: 3/21/2018 1:22:26 PM

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	5.86	0.409	1.37	5.14	43.065	6.48	0.
2	8.84	0.245	2.77	10.42	45.918	6.91	0.
3	10.60	0.292	5.35	20.12	105.233	15.84	0.
4	13.57	0.291	3.42	12.86	66.692	10.04	0.
5	15.52	0.324	4.24	15.94	93.645	14.10	0.
6	21.80	0.484	3.45	12.96	131.826	19.85	0.
7	25.57	0.445	6.00	22.55	177.898	26.78	0.
7	28.00	0.356	26.60	99.99	664.276	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/27/2018 1:02:52 PM
Printed by: wet

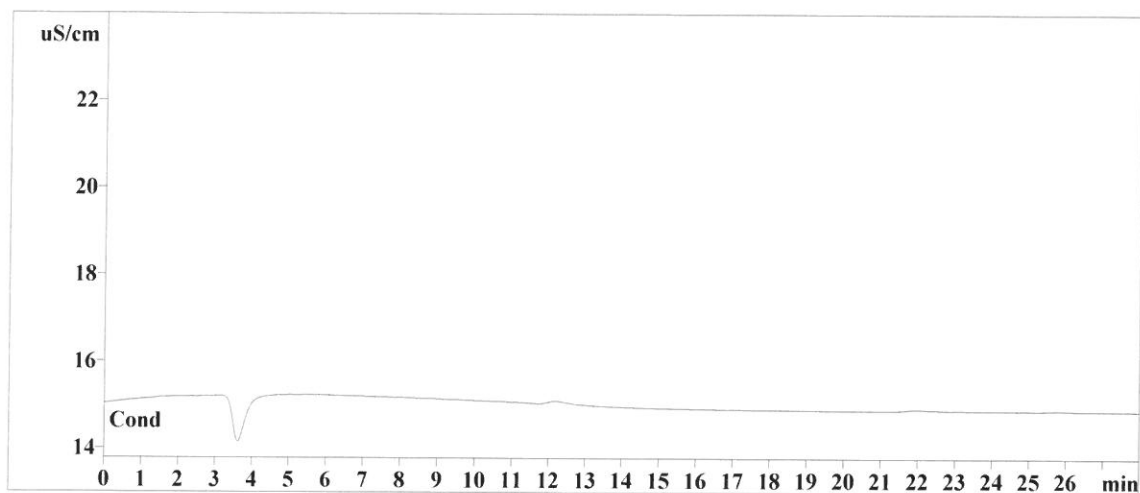
Ident: CCB
Analysis from: 3/26/2018 8:08:09 PM
File: _2018-03-26_

Last save: 3/26/2018 8:35:58 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61566

Last save: 3/21/2018 1:22:26 PM

SAMPLE:
:
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