

ICD 300.0
4-11-18 AK

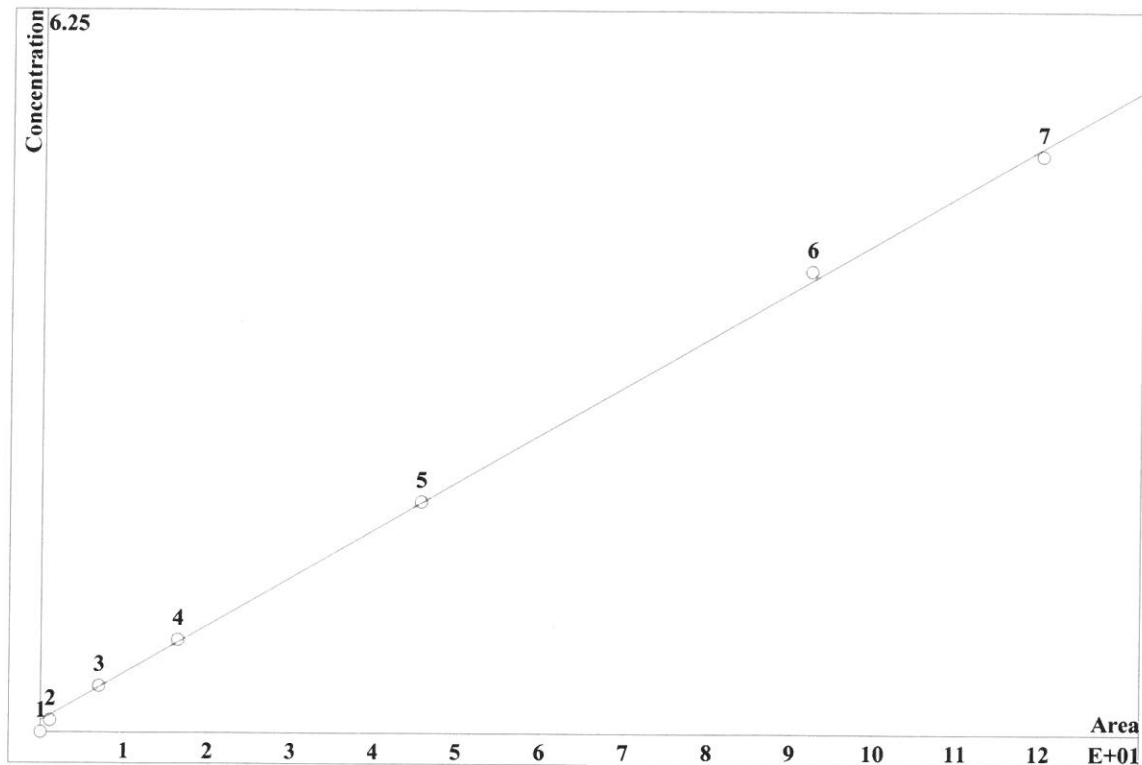
Clear table

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.9910	3.1870	3.1200	10.3710	2.5730	6.0500	16.0210	2018-04-09_	4/9/18 8:45
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-09_	4/9/18 9:54
LB94472BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-09_	4/9/18 10:57
LB94472BSW	1.8520	2.7980	2.7550	9.4190	2.3170	5.3710	14.3880	2018-04-09_	4/9/18 11:28
J2281-01	0.6370	330.0130	0.0000	0.0000	0.2050	0.0000	21.2380	2018-04-09_	4/9/18 11:59
J2281-01DUP	0.5040	333.7400	0.0000	0.0000	0.2000	0.0000	21.5210	2018-04-09_	4/9/18 13:00
J2281-01MS	2.2860	301.4190	2.7540	10.1970	2.5910	7.1210	34.9640	2018-04-09_	4/9/18 13:31
CCV	2.0900	3.2880	3.1600	10.5460	2.6020	5.9090	15.8630	2018-04-09_	4/9/18 14:02
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-09_	4/9/18 14:33
CCV	2.0070	2.9830	2.7930	9.5600	2.3390	5.2890	14.6630	2018-04-10_	4/10/18 8:47
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 9:18
LB94472BLW2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 9:49
LB94472BSW2	1.9010	2.8620	2.8240	9.4380	2.3820	5.5720	15.0020	2018-04-10_	4/10/18 10:20
J2281-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 10:51
J2281-01DLX50	0.0000	4.7610	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 11:22
J2311-01	0.0000	0.1420	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 11:52
J2311-01DUP	0.0000	0.1980	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 12:23
J2311-01MS	1.9460	3.1390	2.8860	9.6540	2.4190	5.5990	14.8000	2018-04-10_	4/10/18 12:54
CCV	1.9710	2.9110	2.7880	9.5060	2.3800	5.6390	14.9180	2018-04-10_	4/10/18 13:25
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-04-10_	4/10/18 13:56

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



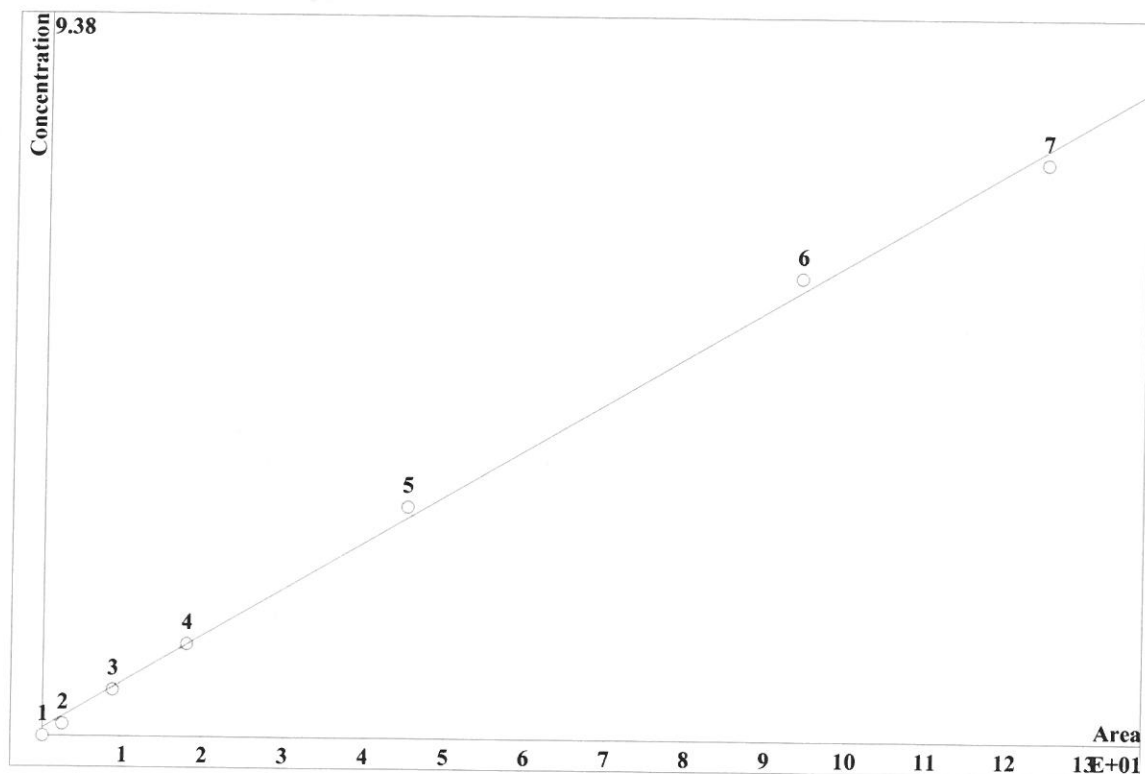
K3 = 0 K2 = 0 K1 = 0.827175 K0 = 2.04637

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

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		
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



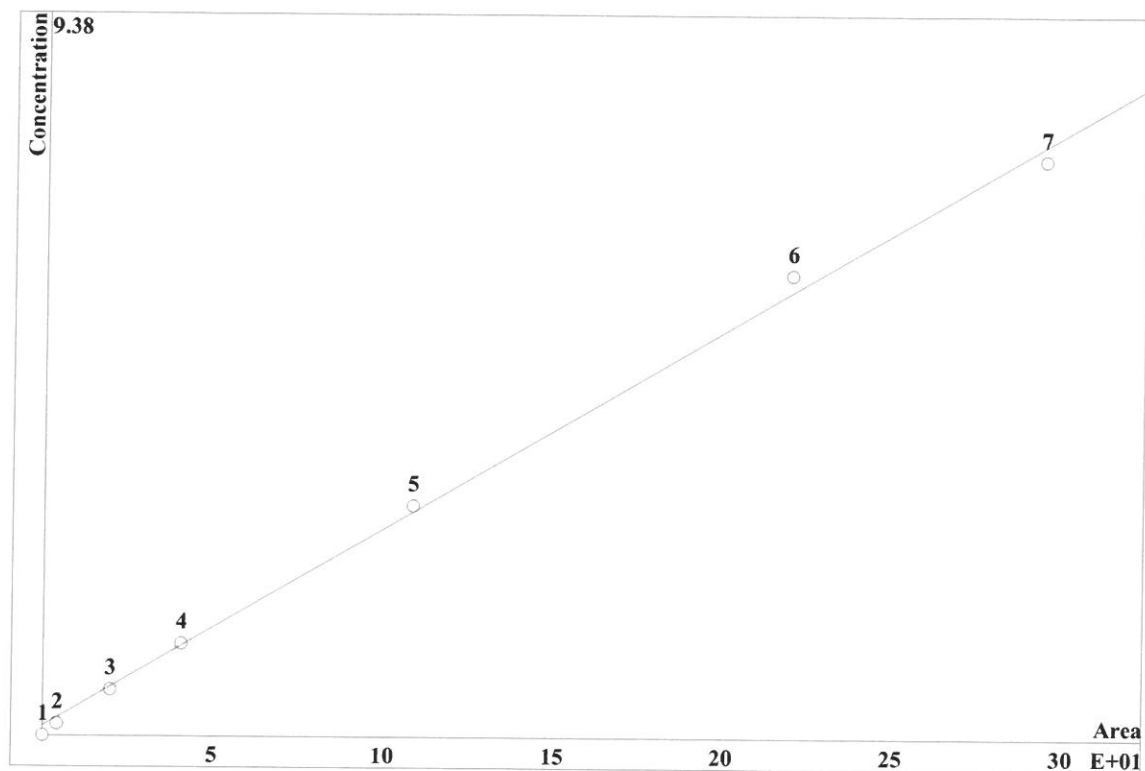
K3 = 0 K2 = 0 K1 = 1.21583 K0 = 2.13837

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



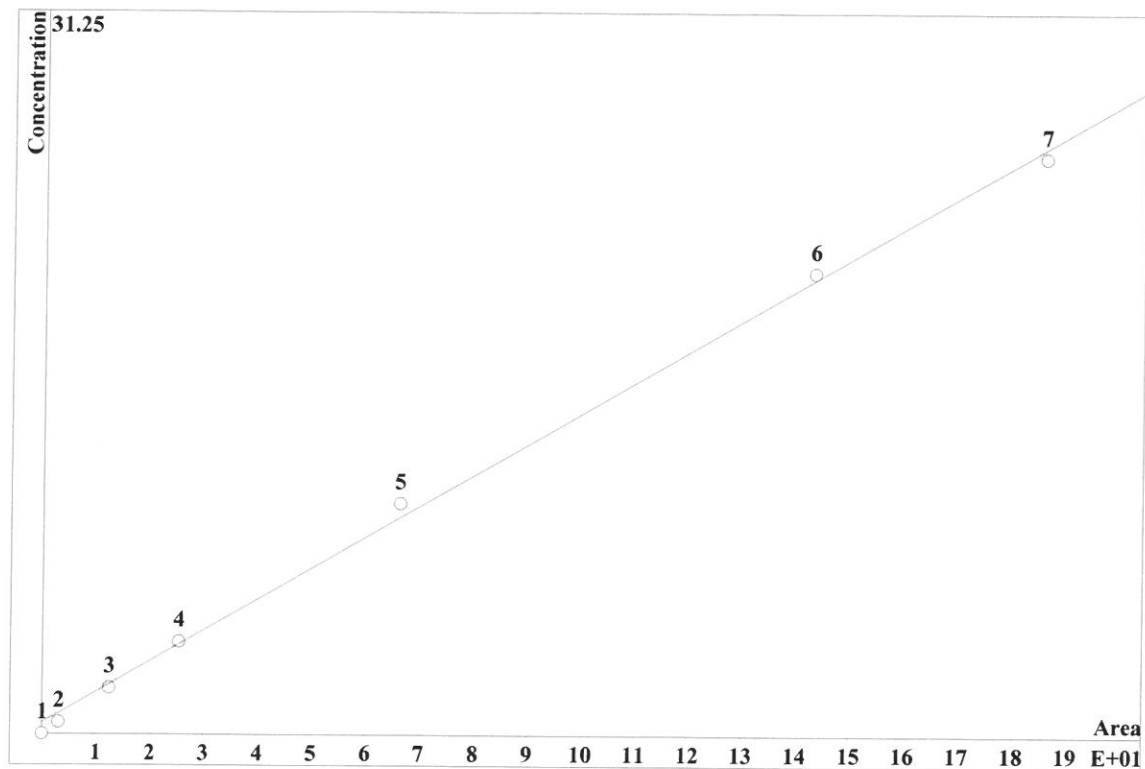
K3 = 0 K2 = 0 K1 = 0.51376 K0 = 2.60348

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:

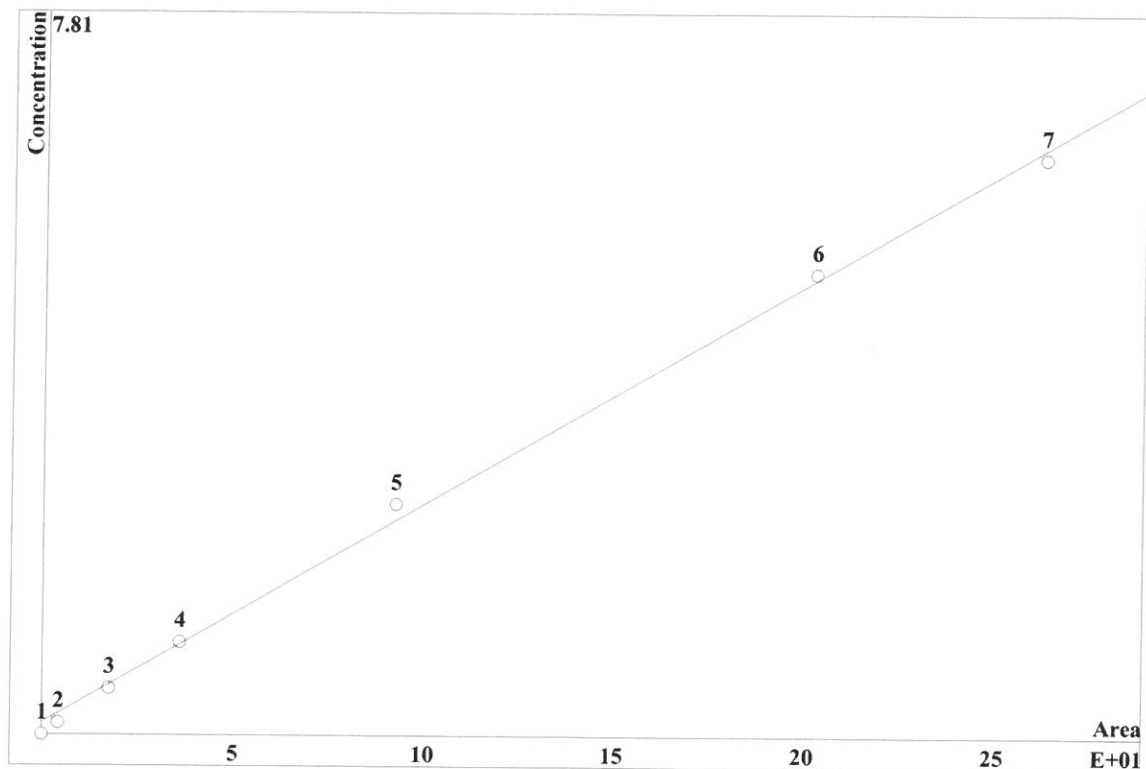
Formula: Linear

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



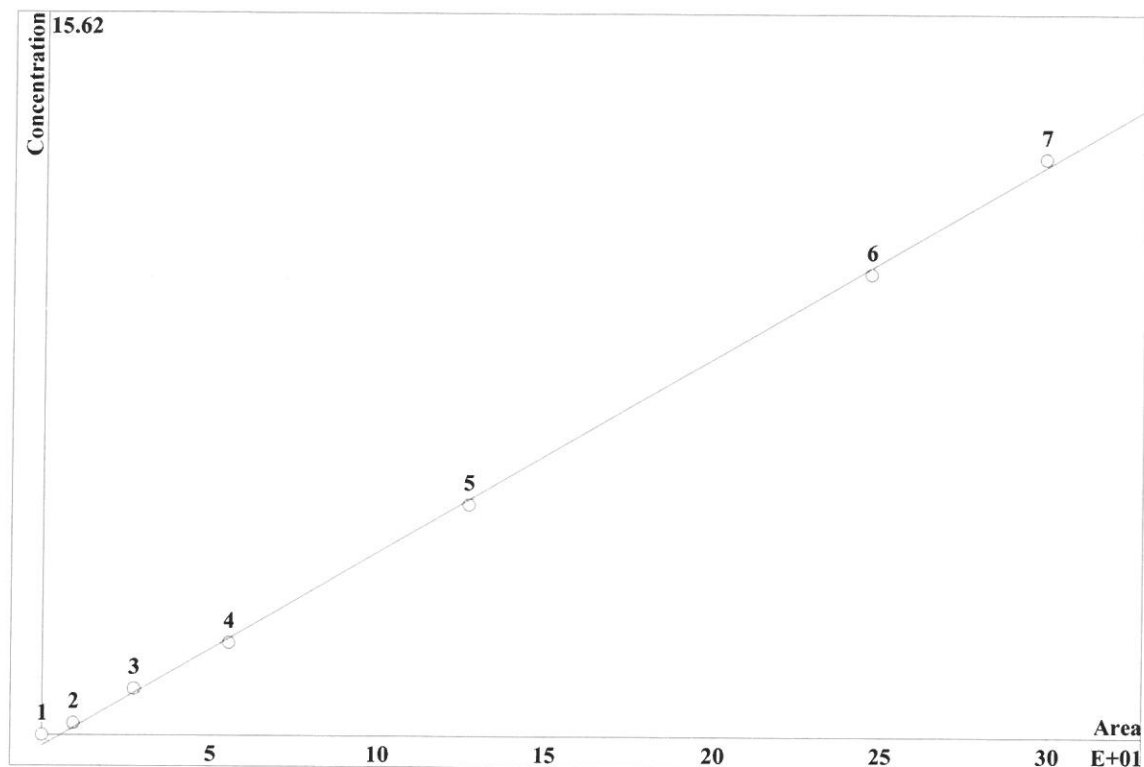
K3 = 0 K2 = 0 K1 = 0.473492 K0 = 2.64071

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



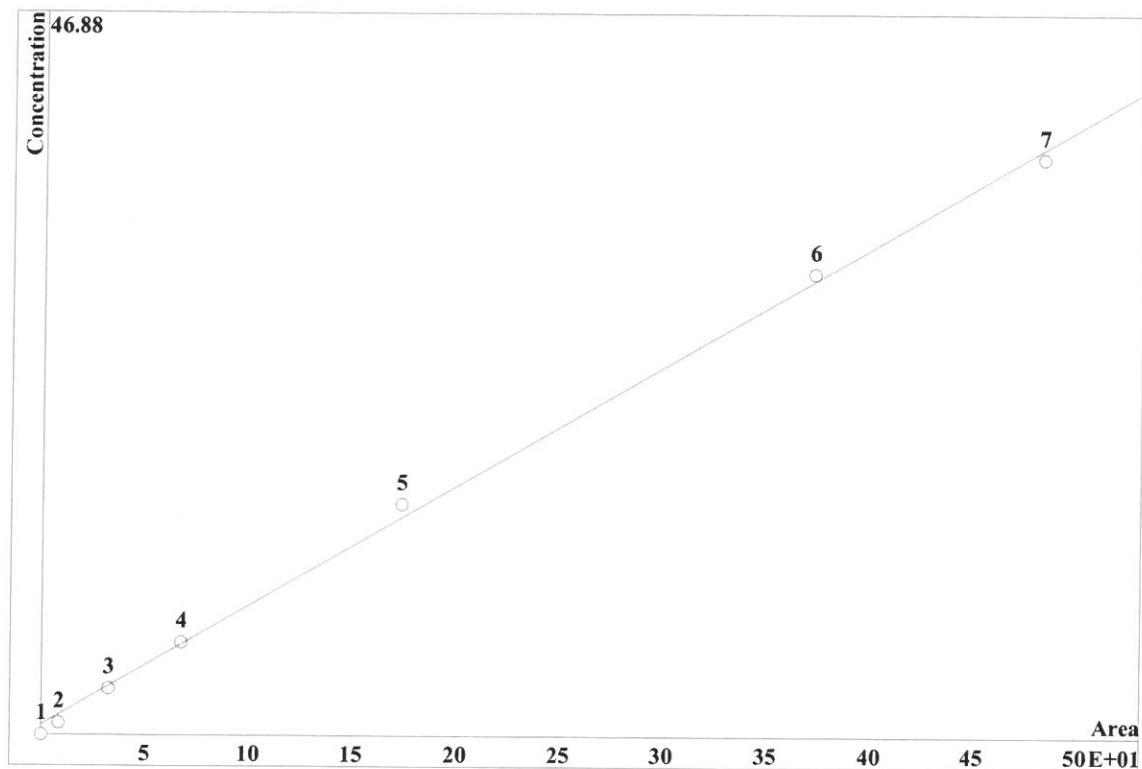
K3 = 0 K2 = 0 K1 = 0.841758 K0 = -4.5807

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

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0		0	0	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

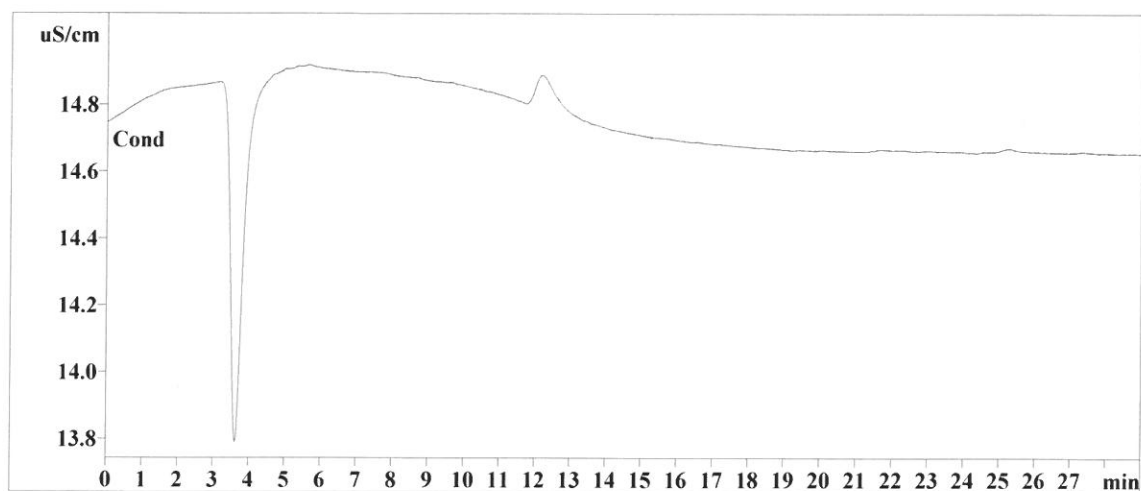
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File: _2018-03-19_

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

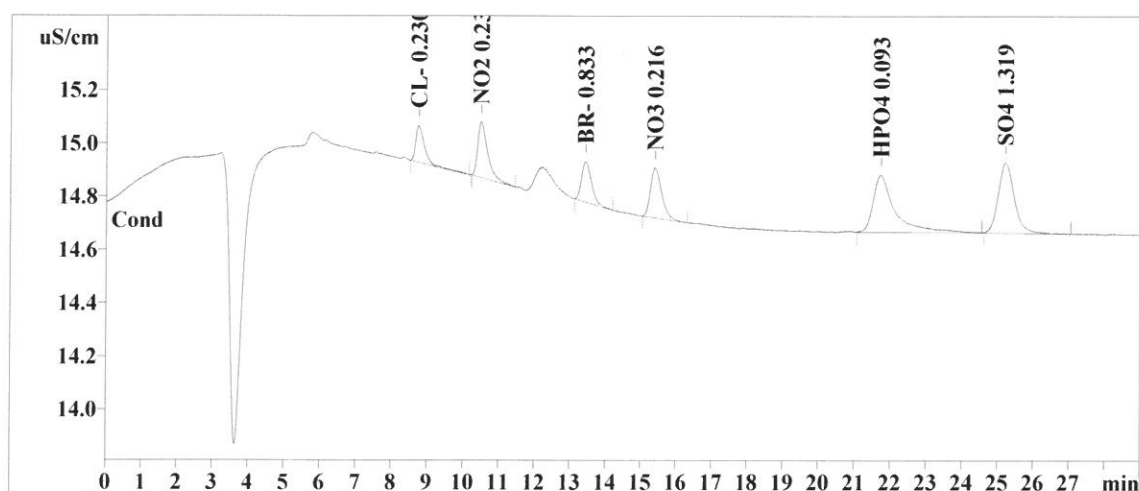
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Analysis from: 3/19/2018 12:11:40 PM
File: _2018-03-19_

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

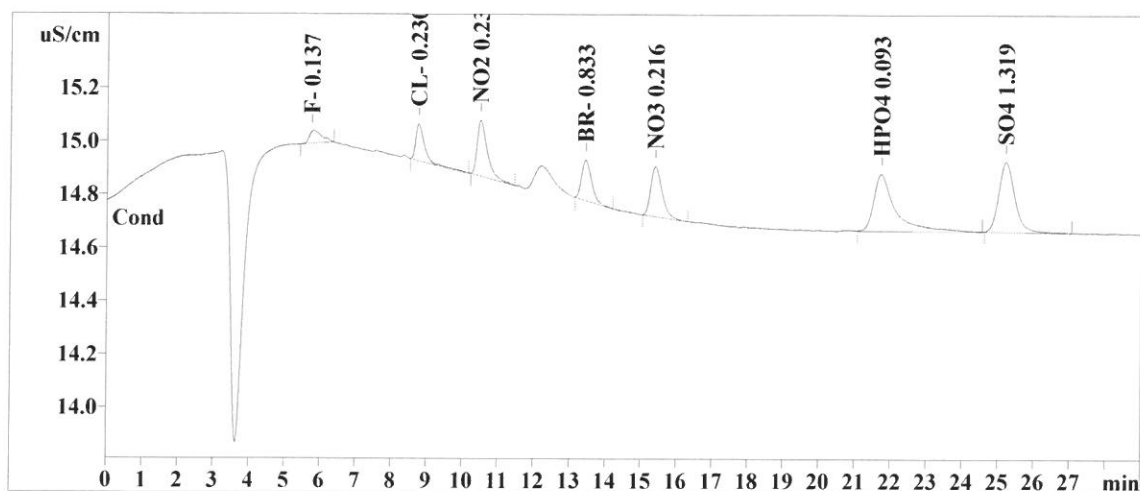
Manual peaks!

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

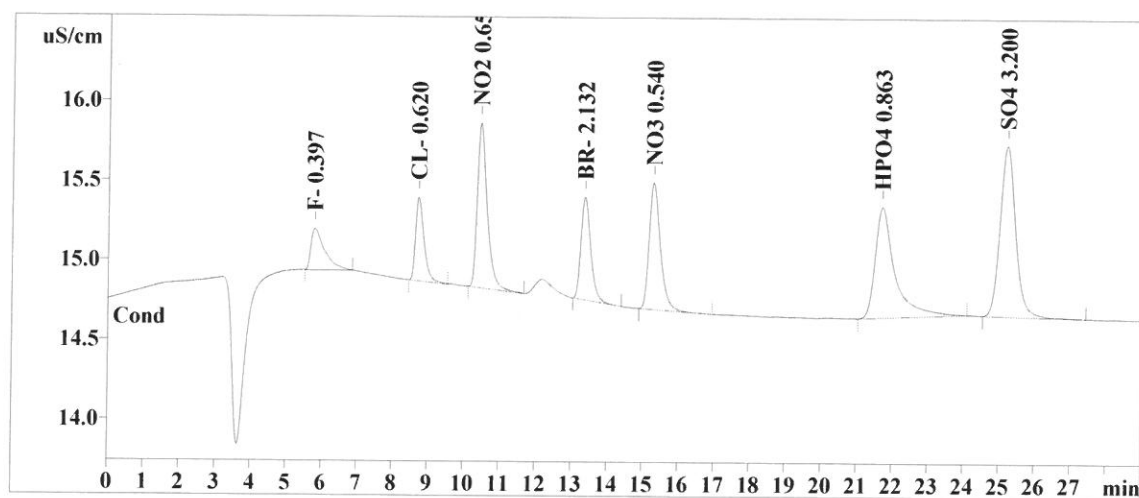
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Analysis from: 3/19/2018 12:43:34 PM
File: _2018-03-19_

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

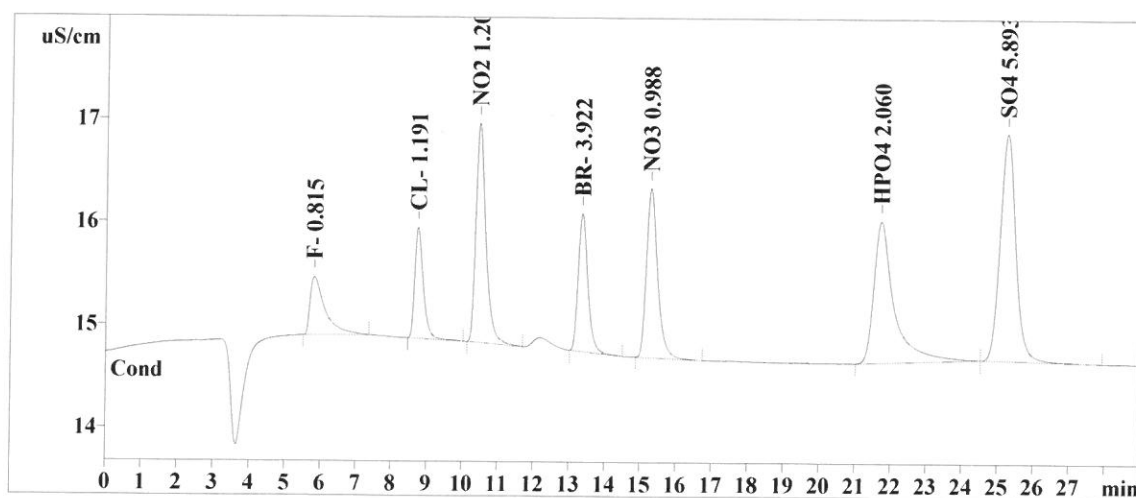
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Analysis from: 3/19/2018 1:15:28 PM
File: _2018-03-19_

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

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 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
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Report date: 3/19/2018 5:16:44 PM
Printed by: wet

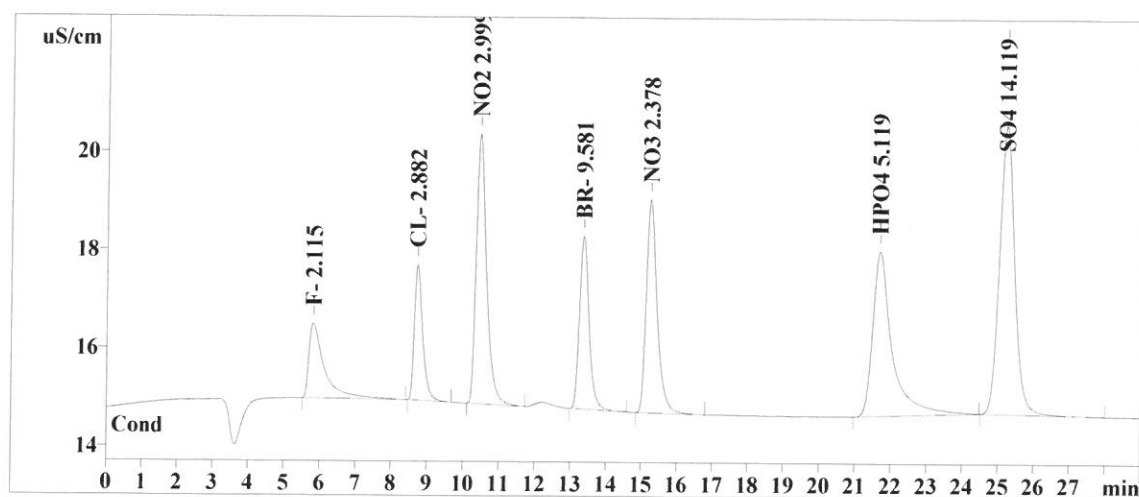
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Analysis from: 3/19/2018 1:47:22 PM
File: _2018-03-19_

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

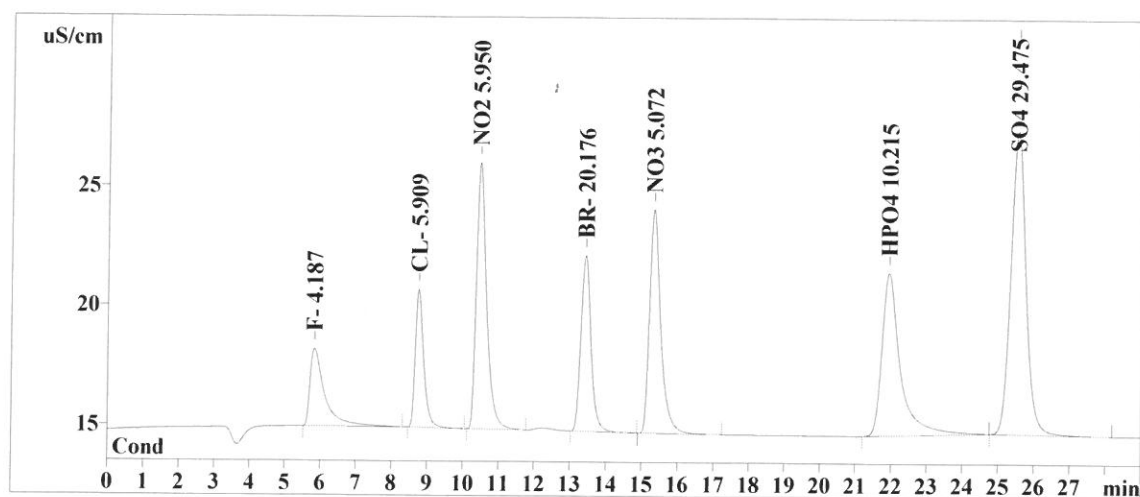
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Analysis from: 3/19/2018 2:19:16 PM
File: _2018-03-19_

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

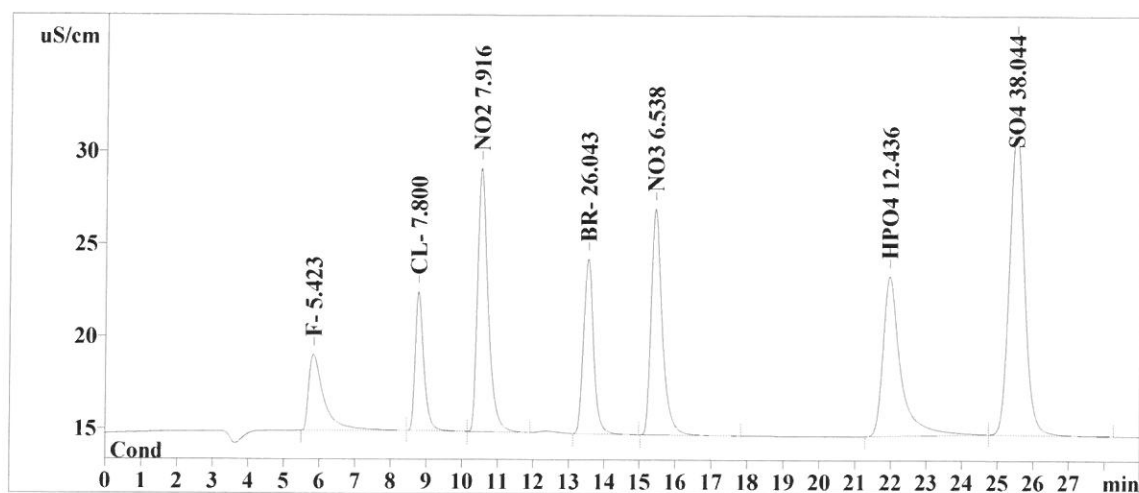
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Analysis from: 3/19/2018 2:51:11 PM
File: _2018-03-19_

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

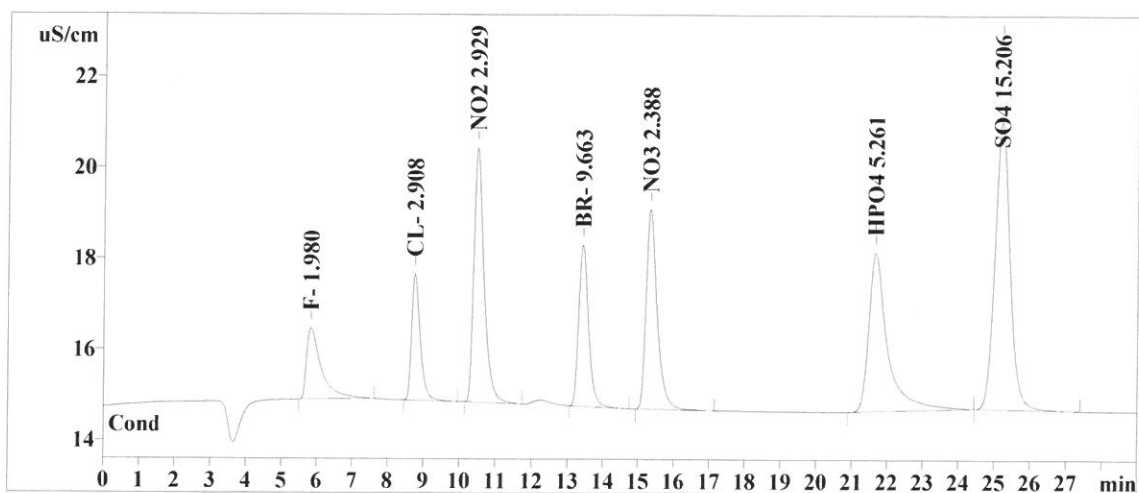
Ident: ICV
Analysis from: 3/19/2018 4:27:28 PM
File: _2018-03-19_

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 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	0.389	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

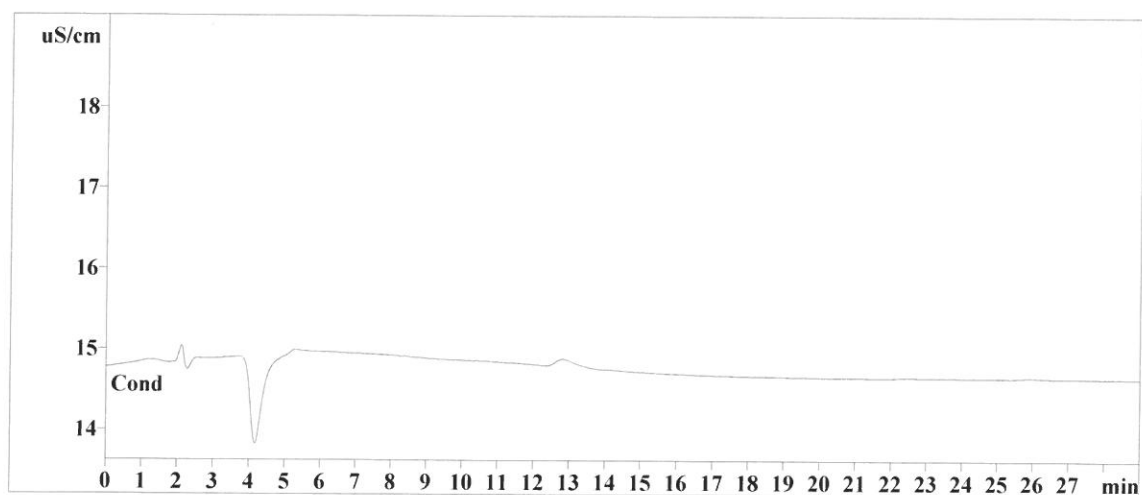
Ident: ICB
Analysis from: 3/19/2018 5:23:20 PM
File: _2018-03-19_

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

Report date: 4/10/2018 12:48:15 PM
 Printed by: wet

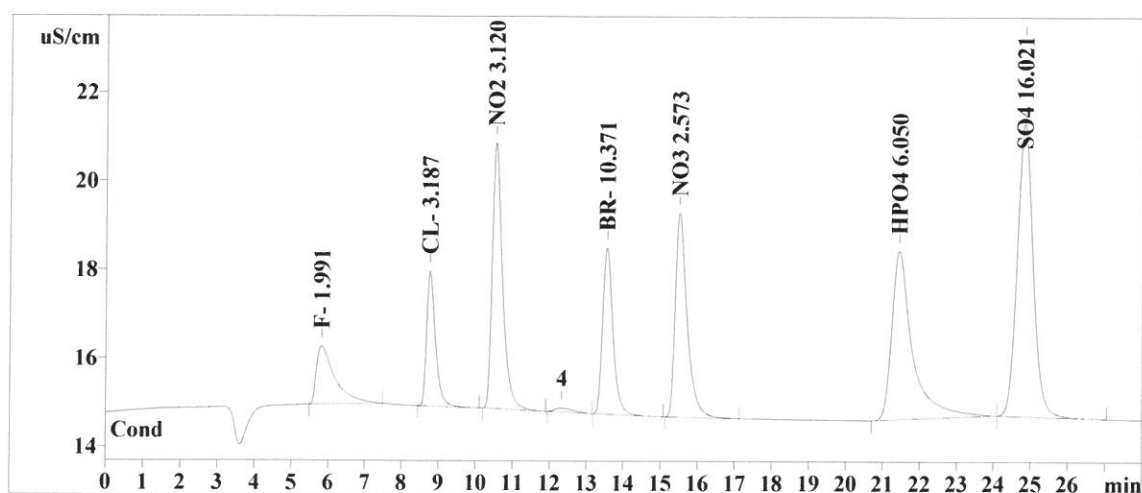
Ident: CCV
 Analysis from: 4/9/2018 8:45:30 AM
 File: _2018-04-09_

Last save: 4/9/2018 9:13:18 AM

Method: ANIONS 03-19-18.mtw
 Run operator: wet
 Analysis number: 61813

Last save: 3/28/2018 6:04:32 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	0.480	1.31	4.48	45.656	6.17	0.
2	8.76	0.246	3.04	10.41	50.668	6.85	0.
3	10.53	0.285	6.00	20.55	116.405	15.74	0.
4	13.54	0.293	3.75	12.84	73.583	9.95	0.
5	15.50	0.327	4.60	15.76	103.117	13.94	0.
6	21.43	0.505	3.80	13.00	149.189	20.17	0.
7	24.82	0.448	6.62	22.67	197.914	26.76	0.
7	28.00	0.369	29.11	99.70	736.532	99.60	0.

This report has been created by IC Net
 METROHM LTD

Report date: 4/10/2018 12:48:29 PM
Printed by: wet

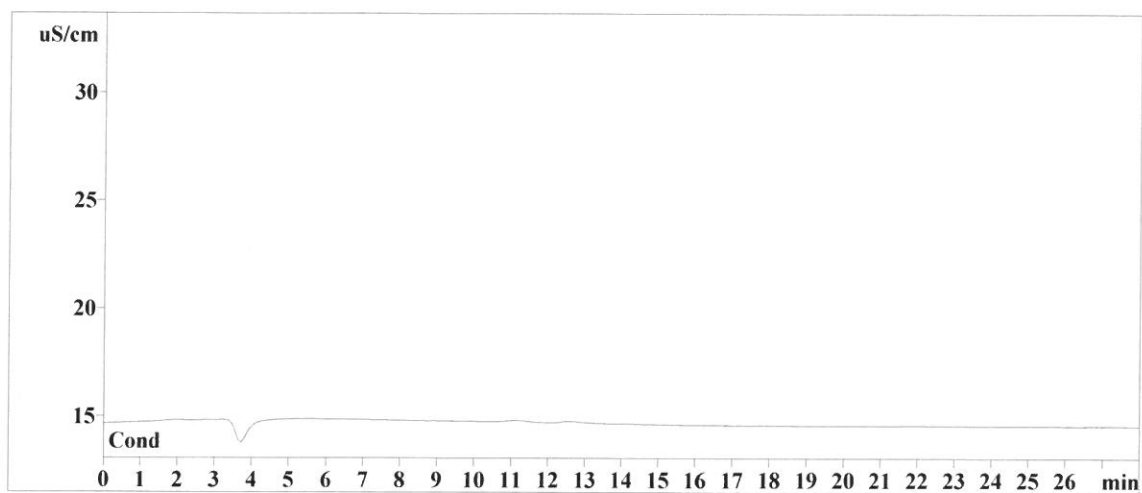
Ident: CCB
Analysis from: 4/9/2018 9:54:15 AM
File: _2018-04-09_

Last save: 4/9/2018 10:23:02 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61817

Last save: 3/28/2018 6:04:32 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: 4/10/2018 12:48:39 PM
Printed by: wet

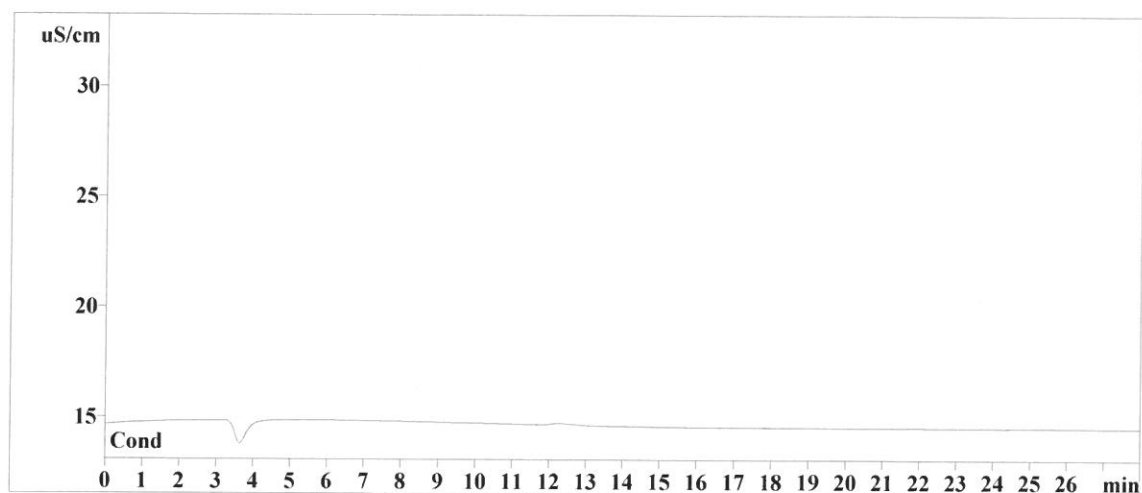
Ident: LB94472BLW
Analysis from: 4/9/2018 10:57:15 AM
File: _2018-04-09_

Last save: 4/9/2018 11:37:16 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61819

Last save: 3/28/2018 6:04:32 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: 4/10/2018 12:48:53 PM
Printed by: wet

Ident: LB94472BSW
Analysis from: 4/9/2018 11:28:10 AM
File: _2018-04-09_

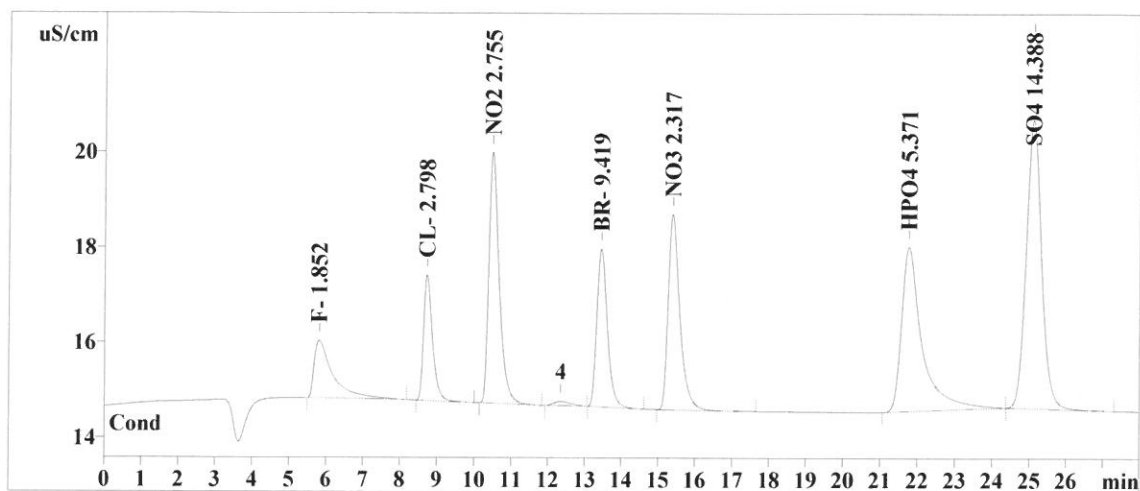
Last save: 4/9/2018 11:55:58 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61820

Last save: 3/28/2018 6:04:32 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	5.81	0.451	1.21	4.62	42.307	6.41	0.
2	8.72	0.249	2.64	10.10	44.263	6.70	0.
3	10.48	0.286	5.27	20.14	102.198	15.48	0.
4	13.44	0.301	3.32	12.69	66.491	10.07	0.
5	15.38	0.330	4.11	15.72	92.277	13.97	0.
6	21.76	0.496	3.45	13.20	133.062	20.15	0.
7	25.09	0.439	6.06	23.18	176.869	26.78	0.
7	28.00	0.365	26.05	99.65	657.467	99.56	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:49:52 PM
Printed by: wet

Ident: J2281-01
Analysis from: 4/9/2018 11:59:05 AM
File: _2018-04-09_

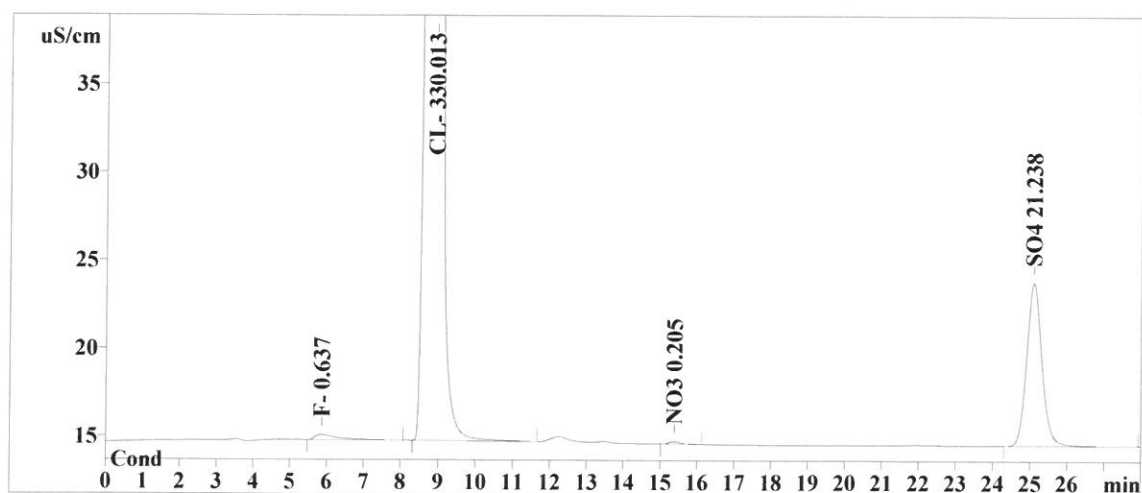
Last save: 4/10/2018 12:49:44 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61821

Last save: 3/28/2018 6:04:32 PM

SAMPLE:

: AK/AP
Vial number: 23
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	0.563	0.30	0.10	12.923	0.23	0.
2	8.93	0.300	288.13	96.70	5426.854	95.08	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	15.37	0.318	0.15	0.05	3.069	0.05	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.09	0.427	9.26	3.11	265.123	4.64	0.
7	28.00	0.230	297.83	99.96	5707.969	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:50:42 PM
Printed by: wet

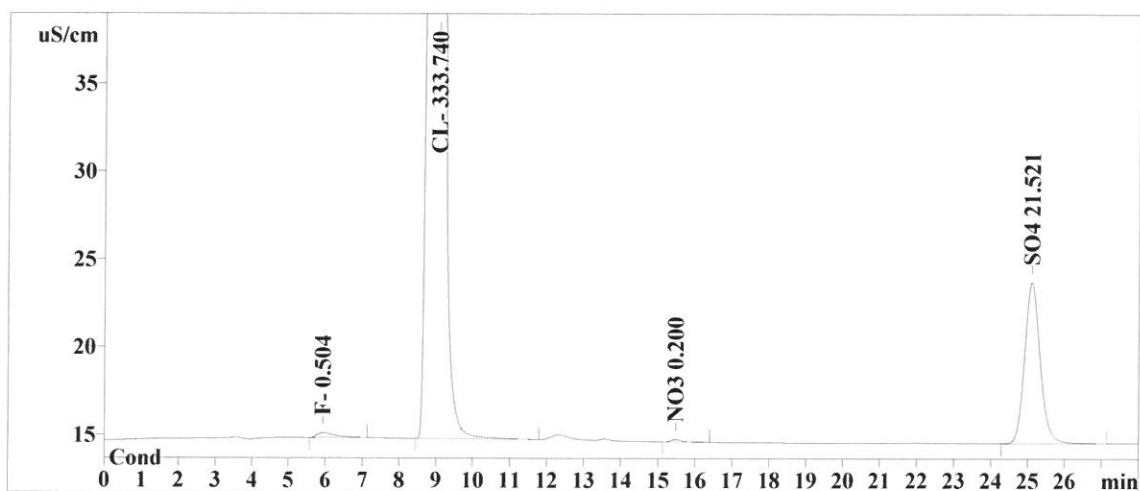
Ident: J2281-01DUP
Analysis from: 4/9/2018 1:00:54 PM
File: _2018-04-09_

Last save: 4/10/2018 12:50:20 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61823

Last save: 3/28/2018 6:04:32 PM

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	5.93	0.518	0.27	0.09	9.705	0.17	0.
2	9.06	0.303	288.93	96.75	5488.164	95.12	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	15.47	0.309	0.14	0.05	2.861	0.05	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.10	0.439	9.16	3.07	268.775	4.66	0.
7	28.00	0.224	298.50	99.96	5769.505	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:51:03 PM
Printed by: wet

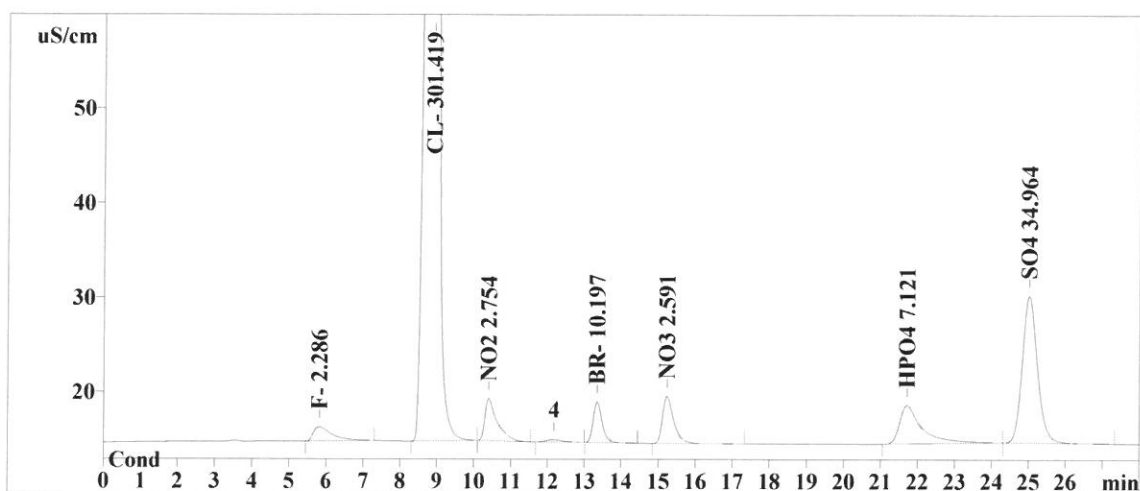
Ident: J2281-01MS
Analysis from: 4/9/2018 1:31:49 PM
File: _2018-04-09_

Last save: 4/9/2018 1:59:38 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61824

Last save: 3/28/2018 6:04:32 PM

SAMPLE:
: AK/AP
Vial number: 26
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	0.506	1.49	0.49	52.803	0.89	0.
2	8.90	0.292	268.10	88.44	4956.495	83.84	0.
3	10.41	0.315	4.44	1.47	102.128	1.73	0.
4	13.35	0.251	4.28	1.41	72.286	1.22	0.
5	15.22	0.307	4.95	1.63	103.873	1.76	0.
6	21.71	0.542	4.07	1.34	174.629	2.95	0.
7	25.01	0.428	15.50	5.11	441.976	7.48	0.
7	28.00	0.377	302.84	99.90	5904.189	99.87	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:51:12 PM
Printed by: wet

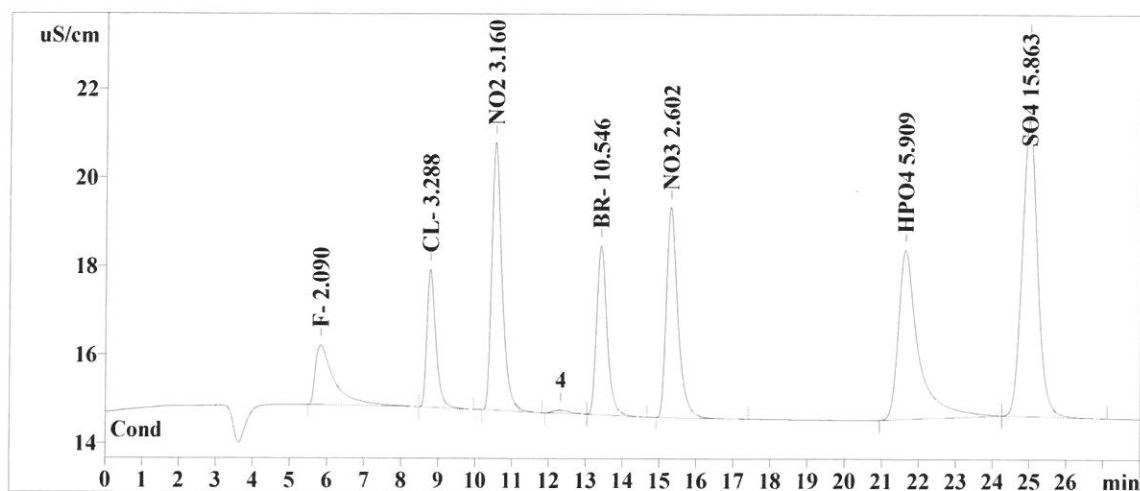
Ident: CCV
Analysis from: 4/9/2018 2:02:43 PM
File: _2018-04-09_

Last save: 4/9/2018 2:30:32 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61825

Last save: 3/28/2018 6:04:32 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	0.461	1.35	4.54	48.062	6.48	0.
2	8.77	0.250	3.11	10.49	52.320	7.05	0.
3	10.53	0.289	6.05	20.42	117.935	15.90	0.
4	13.40	0.293	3.82	12.89	74.886	10.10	0.
5	15.28	0.322	4.75	16.02	104.327	14.07	0.
6	21.62	0.493	3.81	12.88	145.831	19.66	0.
7	24.98	0.441	6.67	22.51	195.872	26.41	0.
7	28.00	0.364	29.55	99.74	739.234	99.68	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:51:34 PM
Printed by: wet

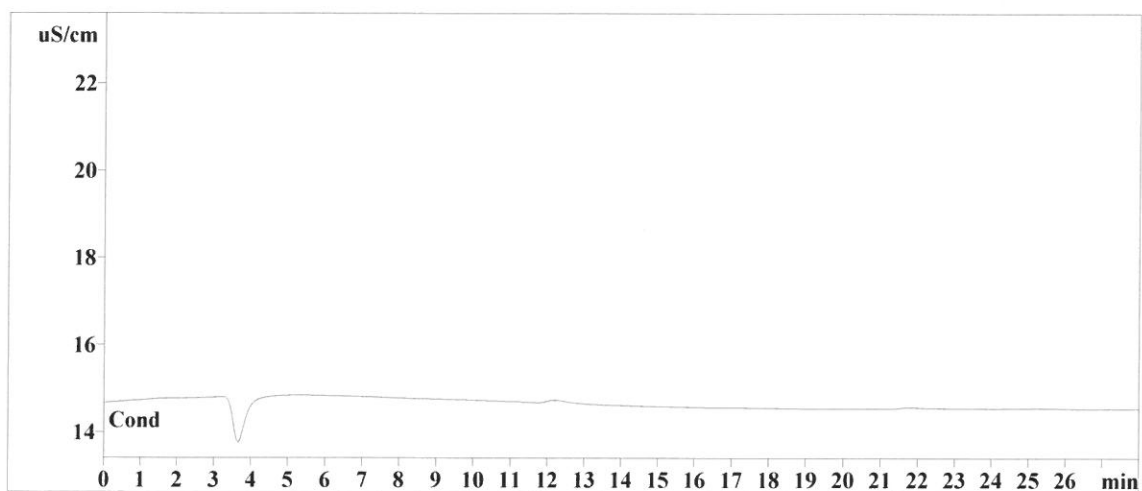
Ident: CCB
Analysis from: 4/9/2018 2:33:38 PM
File: _2018-04-09_

Last save: 4/10/2018 12:51:34 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61826

Last save: 3/28/2018 6:04:32 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: 4/10/2018 12:51:56 PM
Printed by: wet

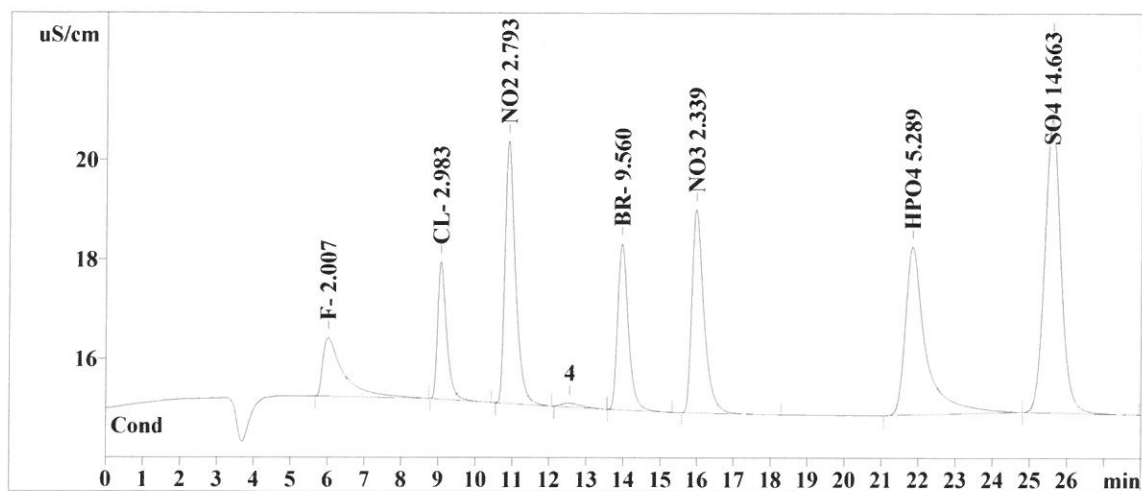
Ident: CCV
Analysis from: 4/10/2018 8:47:29 AM
File: _2018-04-10_

Last save: 4/10/2018 9:15:18 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61829

Last save: 3/28/2018 6:04:32 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	6.01	0.500	1.17	4.52	46.064	6.85	0.
2	9.07	0.253	2.76	10.63	47.308	7.04	0.
3	10.89	0.290	5.27	20.30	103.669	15.42	0.
4	13.95	0.300	3.33	12.84	67.536	10.05	0.
5	15.96	0.334	4.08	15.73	93.228	13.87	0.
6	21.84	0.493	3.37	12.99	131.097	19.50	0.
7	25.59	0.460	5.89	22.67	180.406	26.84	0.
7	28.00	0.376	25.87	99.68	669.309	99.57	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:52:05 PM
Printed by: wet

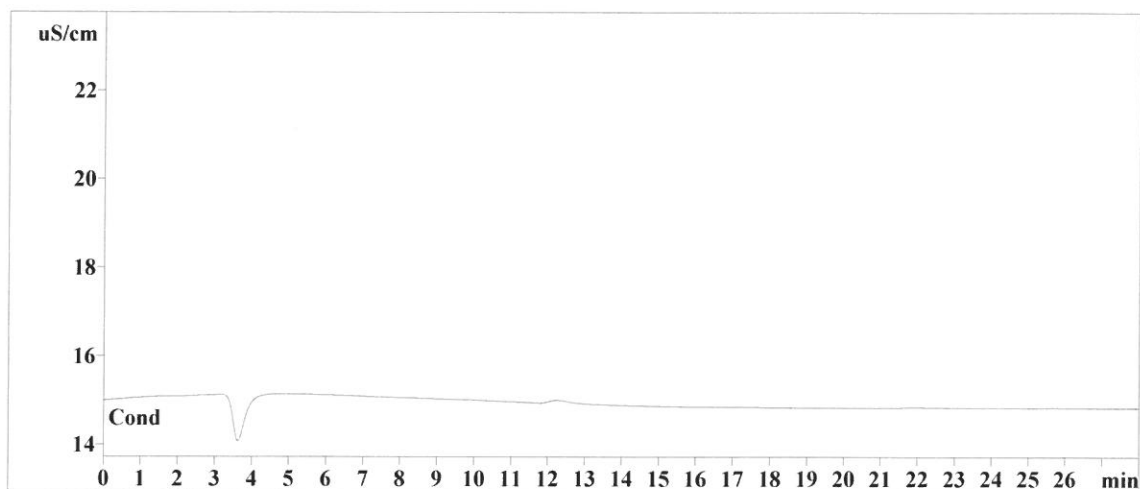
Ident: CCB
Analysis from: 4/10/2018 9:18:24 AM
File: _2018-04-10_

Last save: 4/10/2018 9:49:18 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61830

Last save: 3/28/2018 6:04:32 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: 4/10/2018 12:52:27 PM
Printed by: wet

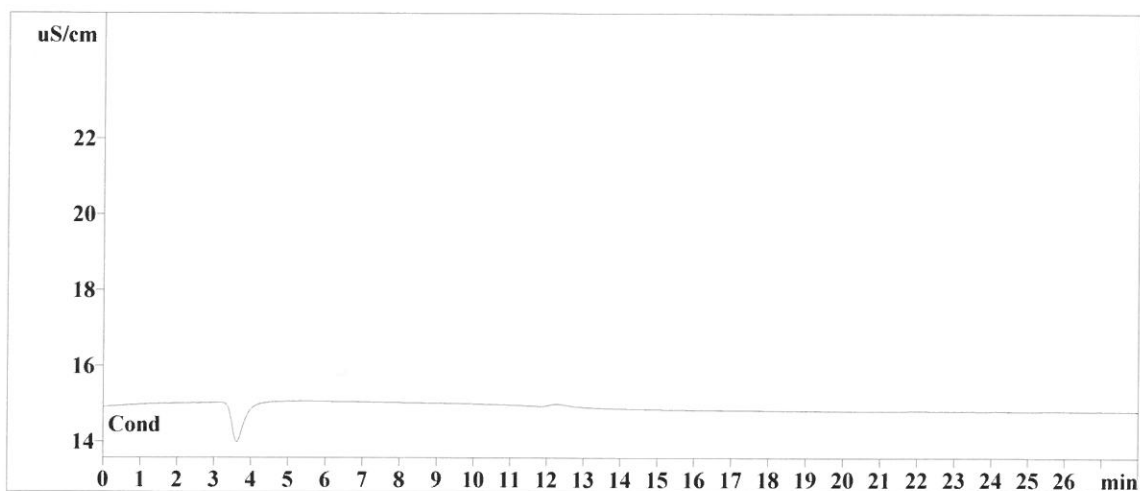
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Analysis from: 4/10/2018 9:49:18 AM
File: _2018-04-10_

Last save: 4/10/2018 12:52:24 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61831

Last save: 3/28/2018 6:04:32 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: 4/10/2018 12:52:38 PM
Printed by: wet

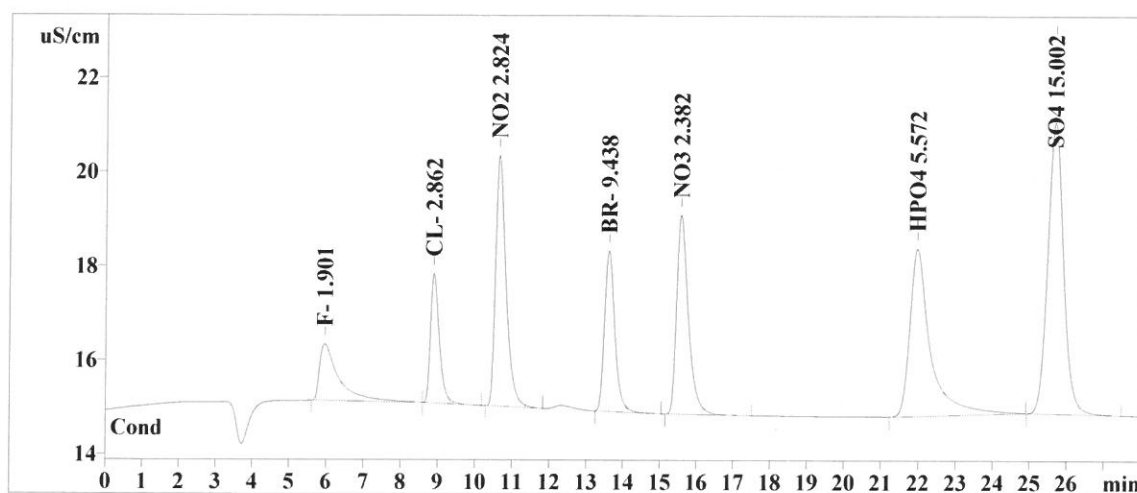
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File: _2018-04-10_

Last save: 4/10/2018 10:48:02 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61832

Last save: 3/28/2018 6:04:32 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	5.96	0.461	1.21	4.53	43.487	6.41	0.
2	8.89	0.246	2.74	10.29	45.323	6.69	0.
3	10.64	0.292	5.33	19.98	104.851	15.47	0.
4	13.60	0.292	3.41	12.78	66.631	9.83	0.
5	15.56	0.331	4.23	15.85	95.017	14.02	0.
6	21.96	0.493	3.55	13.33	137.835	20.33	0.
7	25.67	0.449	6.19	23.23	184.774	27.26	0.
7	28.00	0.366	26.65	100.00	677.918	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 12:52:58 PM
Printed by: wet

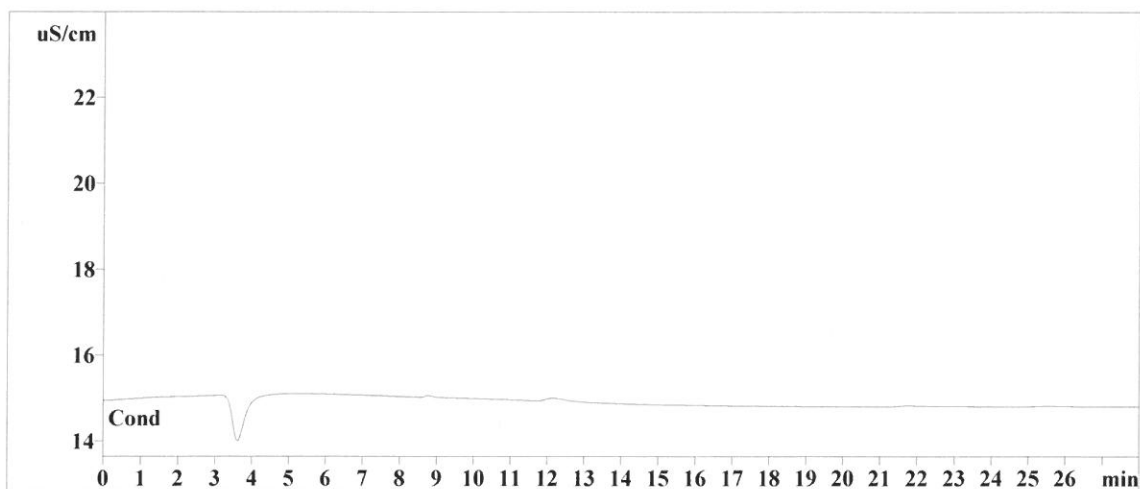
Ident: J2281-02
Analysis from: 4/10/2018 10:51:08 AM
File: _2018-04-10_

Last save: 4/10/2018 12:52:56 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61833

Last save: 3/28/2018 6:04:32 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: 4/10/2018 12:54:19 PM
Printed by: wet

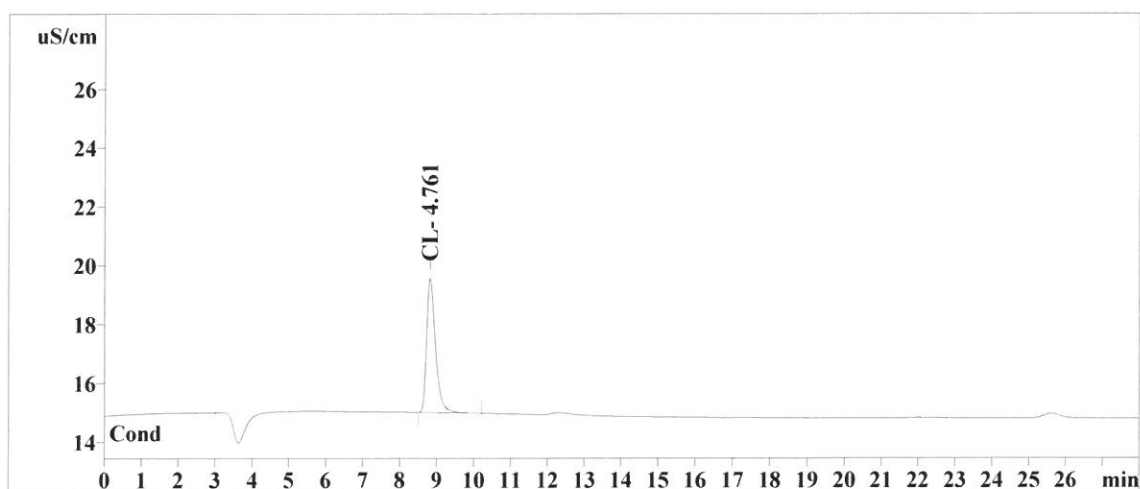
Ident: J2281-01DLX50
Analysis from: 4/10/2018 11:22:02 AM
File: _2018-04-10_

Last save: 4/10/2018 12:54:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61834

Last save: 3/28/2018 6:04:32 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.81	0.248	4.55	99.99	76.553	100.00	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	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	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.035	4.55	99.99	76.553	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 1:59:37 PM
Printed by: wet

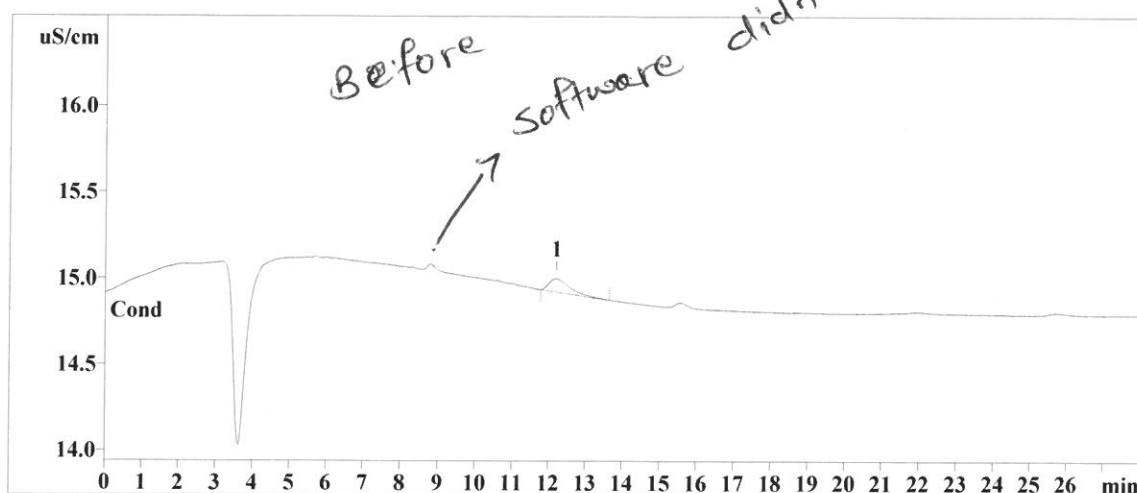
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Analysis from: 4/10/2018 11:52:57 AM
File: _2018-04-10_

Last save: 4/10/2018 12:20:46 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61835

Last save: 3/28/2018 6:04:32 PM

SAMPLE:
: AK/AP
Vial number: 8
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	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	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	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 2:02:04 PM
Printed by: wet

Ident: J2311-01
Analysis from: 4/10/2018 11:52:57 AM
File: _2018-04-10_

Last save: 4/10/2018 2:00:54 PM

Manual peaks!

Method: ANIONS 03-19-18.mtw

Last save: 3/28/2018 6:04:32 PM

Run operator: wet

Analysis number: 61835

SAMPLE:

:

AK/AP

Vial number:

8

Volume:

20.0 μ L

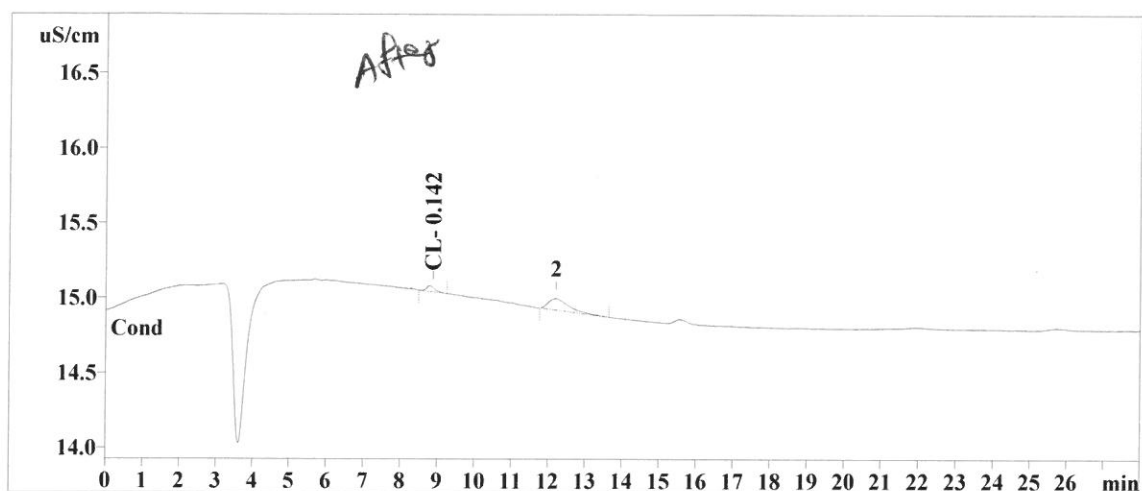
Dilution:

1.00

Amount:

1.0000

AK 4-10-18



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	0.292	0.03	25.53	0.585	16.01	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	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.042	0.03	25.53	0.585	16.01	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 2:03:40 PM
Printed by: wet

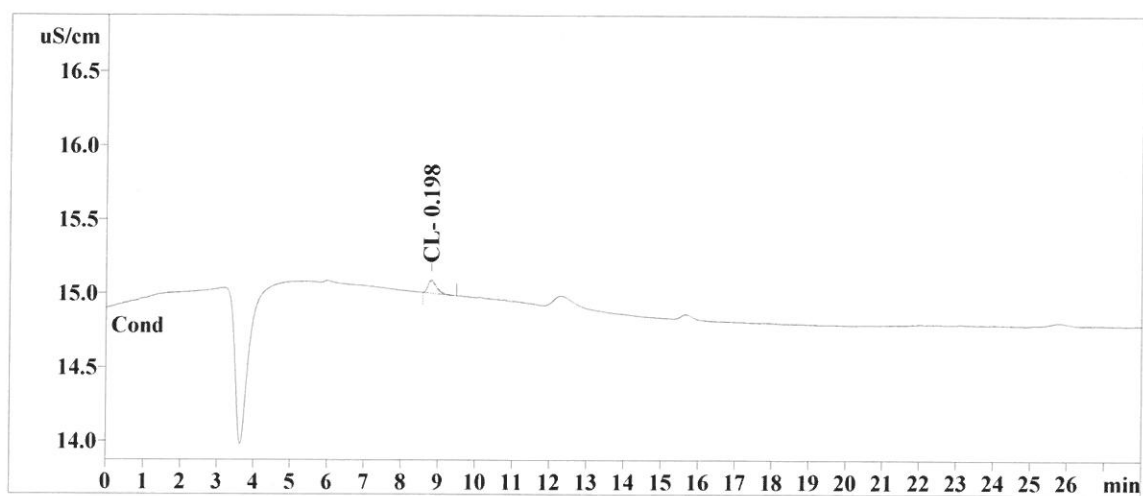
Ident: J2311-01DUP
Analysis from: 4/10/2018 12:23:51 PM
File: _2018-04-10_

Last save: 4/10/2018 2:03:32 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61836

Last save: 3/28/2018 6:04:32 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.80	0.254	0.09	99.29	1.497	100.00	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	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	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.036	0.09	99.29	1.497	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 2:03:49 PM
Printed by: wet

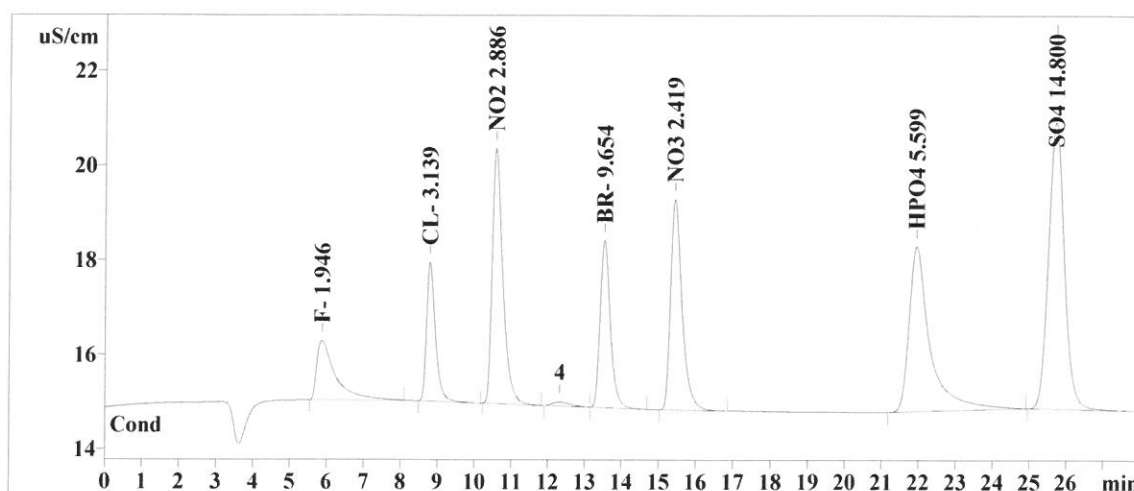
Ident: J2311-01MS
Analysis from: 4/10/2018 12:54:46 PM
File: _2018-04-10_

Last save: 4/10/2018 1:22:36 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61837

Last save: 3/28/2018 6:04:32 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	0.469	1.25	4.61	44.566	6.46	0.
2	8.78	0.251	2.93	10.77	49.875	7.23	0.
3	10.57	0.293	5.39	19.82	107.282	15.54	0.
4	13.52	0.289	3.53	12.98	68.242	9.89	0.
5	15.42	0.320	4.45	16.36	96.614	14.00	0.
6	21.94	0.504	3.48	12.81	138.479	20.06	0.
7	25.70	0.452	6.07	22.32	182.172	26.39	0.
7	28.00	0.368	27.11	99.67	687.230	99.57	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/10/2018 2:04:04 PM
Printed by: wet

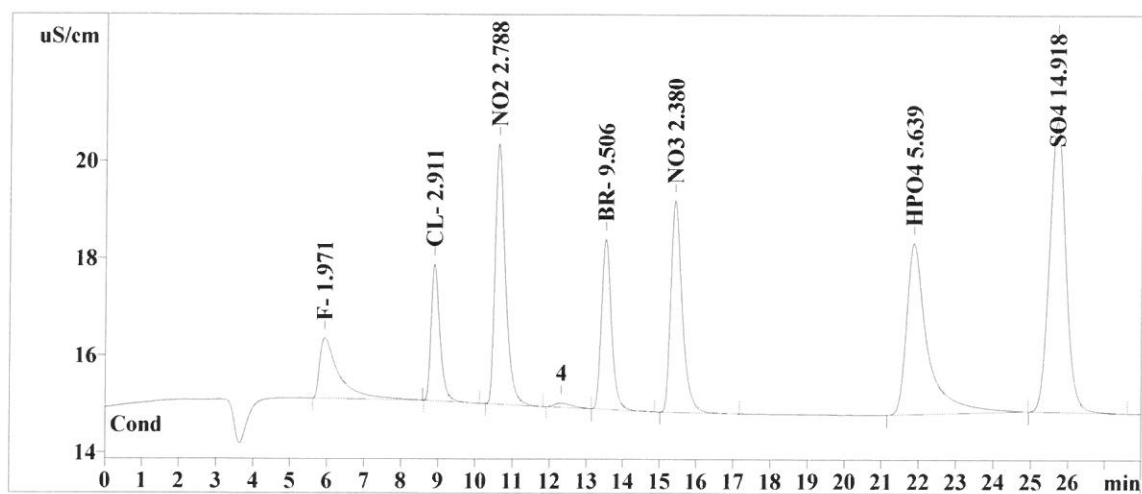
Ident: CCV
Analysis from: 4/10/2018 1:25:41 PM
File: _2018-04-10_

Last save: 4/10/2018 1:53:30 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61838

Last save: 3/28/2018 6:04:32 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	5.93	0.467	1.24	4.63	45.176	6.61	0.
2	8.89	0.244	2.80	10.45	46.130	6.75	0.
3	10.61	0.285	5.35	19.95	103.467	15.15	0.
4	13.51	0.288	3.50	13.04	67.139	9.83	0.
5	15.40	0.322	4.35	16.21	94.951	13.90	0.
6	21.86	0.504	3.52	13.11	139.416	20.41	0.
7	25.68	0.464	5.98	22.27	183.690	26.90	0.
7	28.00	0.368	26.74	99.66	679.969	99.56	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/11/2018 9:35:53 AM
Printed by: wet

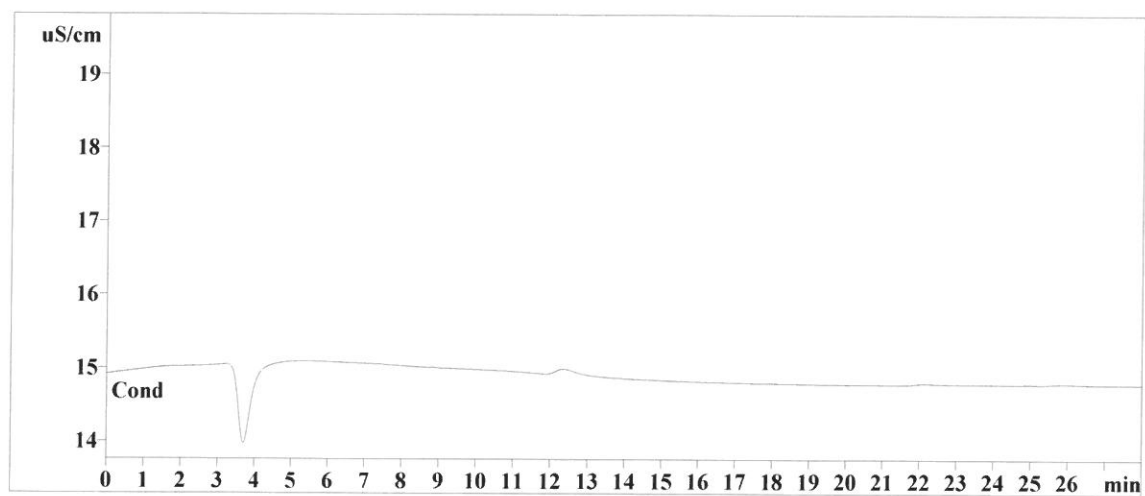
Ident: CCB
Analysis from: 4/10/2018 1:56:35 PM
File: _2018-04-10_

Last save: 4/11/2018 9:35:48 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61839

Last save: 3/28/2018 6:04:32 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