

IC-1 300.0

9-6-18 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	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-04	9/4/18 10:59		AK/AP
STD2	0.1960	0.2230	0.2340	0.7850	0.2110	0.0490	1.3230	2018-09-04	9/4/18 11:29		AK/AP
STD3	0.4070	0.6170	0.6320	2.1040	0.5280	0.9990	3.2000	2018-09-04	9/4/18 11:59		AK/AP
STD4	0.7330	1.2040	1.1860	3.9630	0.9920	2.0690	5.9070	2018-09-04	9/4/18 12:29		AK/AP
STD5	1.9250	2.9260	2.9000	9.6790	2.4000	5.3010	14.3500	2018-09-04	9/4/18 12:58		AK/AP
STD6	4.0190	5.8190	5.8430	19.4130	4.8370	9.8580	28.9880	2018-09-04	9/4/18 13:28		AK/AP
STD7	5.0180	7.6620	7.6550	25.5560	6.4060	12.4740	38.4830	2018-09-04	9/4/18 13:58		AK/AP
ICV	1.9790	3.0470	3.0480	10.1300	2.5080	5.2630	14.9370	2018-09-04	9/4/18 15:28		AK/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-04	9/4/18 15:58		AK/AP
CCV	1.9940	3.0300	3.0280	10.0810	2.4620	4.8940	14.6970	2018-09-05	9/5/18 7:57		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-05	9/5/18 8:29		AK/AP
LB97745BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-05	9/5/18 8:59		AK/AP
LB97745BSW	2.0390	3.0810	3.0580	10.1310	2.5130	5.1810	15.0390	2018-09-05	9/5/18 9:28		AK/AP
J4806-01	0.6490	14.2980	0.2790	0.0000	0.2060	0.2880	4.1220	2018-09-05	9/5/18 15:56		AK/AP
J4806-02	0.7950	13.8770	0.0000	0.0000	0.1950	0.6030	4.0670	2018-09-05	9/5/18 16:26		AK/AP
J4806-03	0.6660	14.0750	0.0000	0.0000	0.1980	0.4920	4.0670	2018-09-05	9/5/18 16:55		AK/AP
J4806-03DUP	0.7560	14.2820	0.0000	0.0000	0.1960	0.6230	4.0840	2018-09-05	9/5/18 17:25		AK/AP
J4806-03MS	2.6670	16.6620	3.1320	10.2470	2.6630	5.9460	19.7780	2018-09-05	9/5/18 17:55		AK/AP
J4806-03MSD	2.6650	16.4100	2.9330	9.7960	2.5530	5.6590	18.8960	2018-09-05	9/5/18 18:25		AK/AP
J4806-01DLX5	0.2150	2.6610	0.0000	0.0000	0.0000	0.0000	1.3290	2018-09-05	9/5/18 18:55		AK/AP
J4806-02DLX5	0.0000	2.5920	0.0000	0.0000	0.0000	0.0000	1.3630	2018-09-05	9/5/18 19:25		AK/AP
CCV	2.0250	3.1100	3.0660	10.2280	2.5470	5.3250	15.0690	2018-09-05	9/5/18 19:55		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-05	9/5/18 20:25		AK/AP
J4806-03DLX5	0.0000	2.6020	0.0000	0.0000	0.0000	0.0000	1.3770	2018-09-05	9/5/18 20:55		AK/AP
CCV	2.0710	3.0630	3.0490	10.1470	2.4940	5.2090	14.8320	2018-09-05	9/5/18 21:25		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-05	9/5/18 21:55		AK/AP

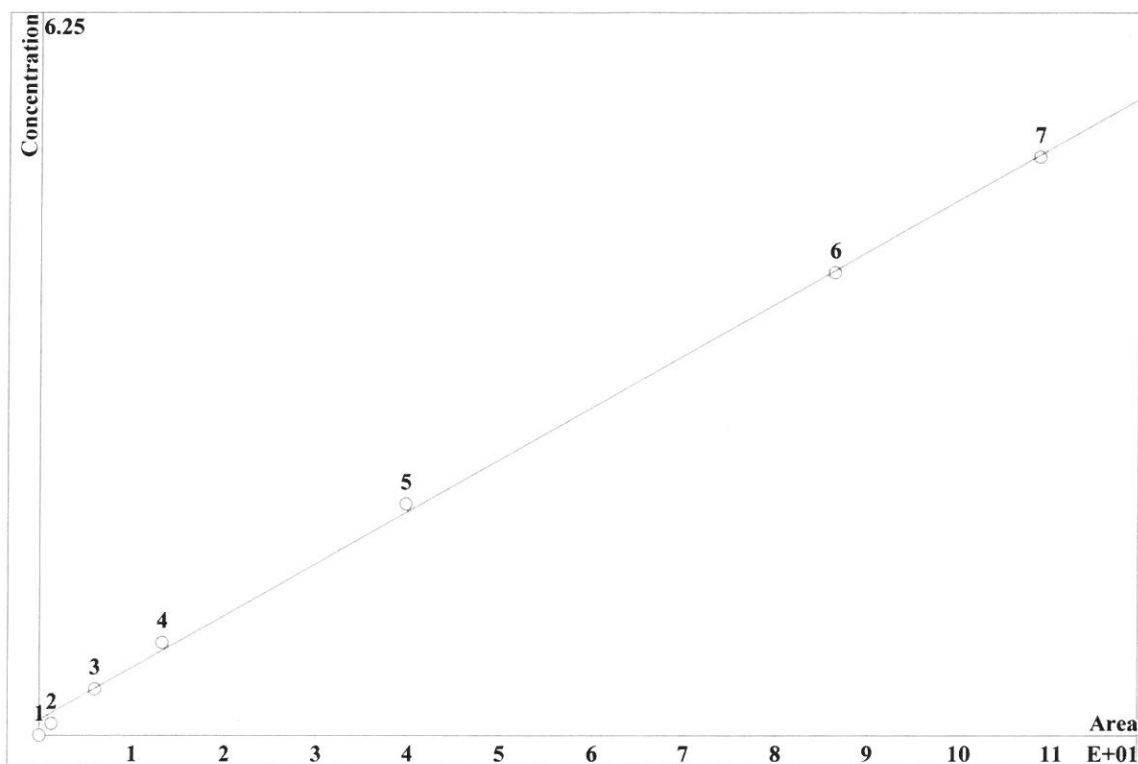
CALIBRATION OF COMPONENT F-

IC-1 cal

9-4-18

AK

Method: ANIONS 09-04-18.mtw
Equation: $Q = 0.899783 \cdot A + 2.72293$
RSD: 3.453 %
Correlation coefficient: 0.999513



K3 = 0 K2 = 0 K1 = 0.899783 K0 = 2.72293

Base: Area

Ref.channel: Cond

ISTD:

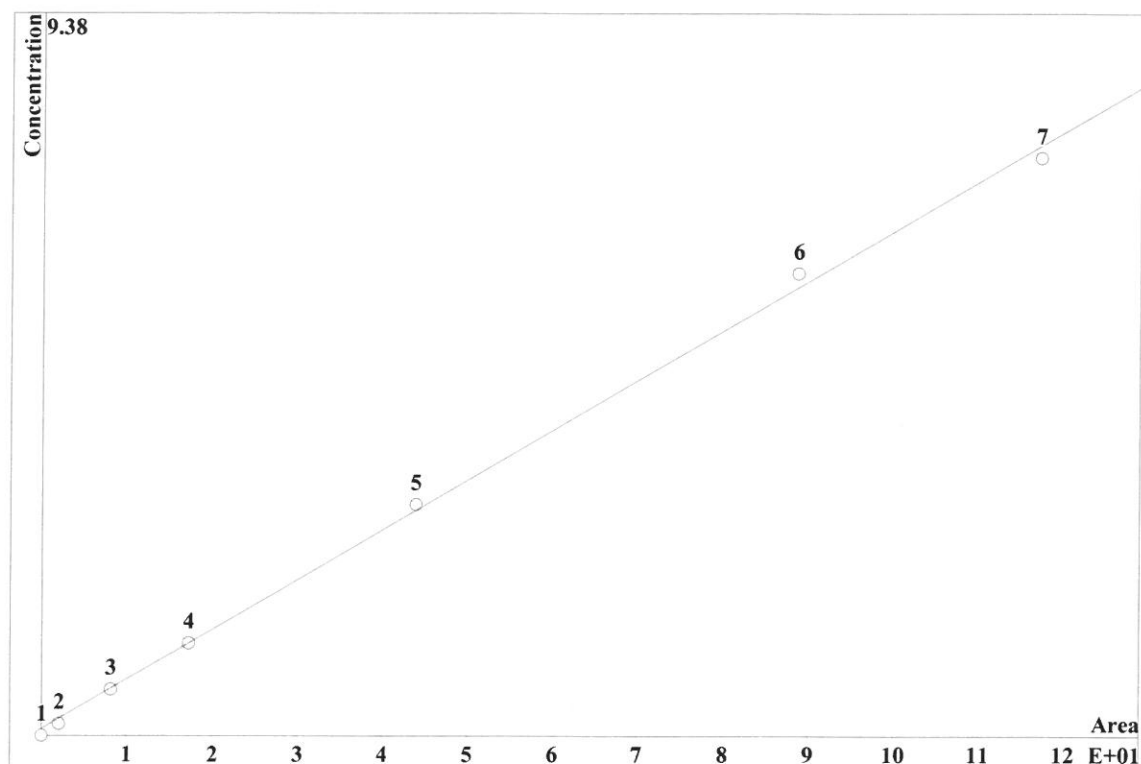
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.05228	1.336	0.1	20	5.913			Yes
3	0.2345	6.021	0.4	20	5.913			Yes
4	0.5148	13.28	0.8	20	5.913			Yes
5	1.533	39.77	2	20	5.913			Yes
6	3.234	86.32	4	20	5.913			Yes
7	4.229	108.5	5	20	5.913			Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 09-04-18.mtw
 Equation: $Q = 1.29184 \cdot A + 1.78813$
 RSD: 4.309 %
 Correlation coefficient: 0.999242



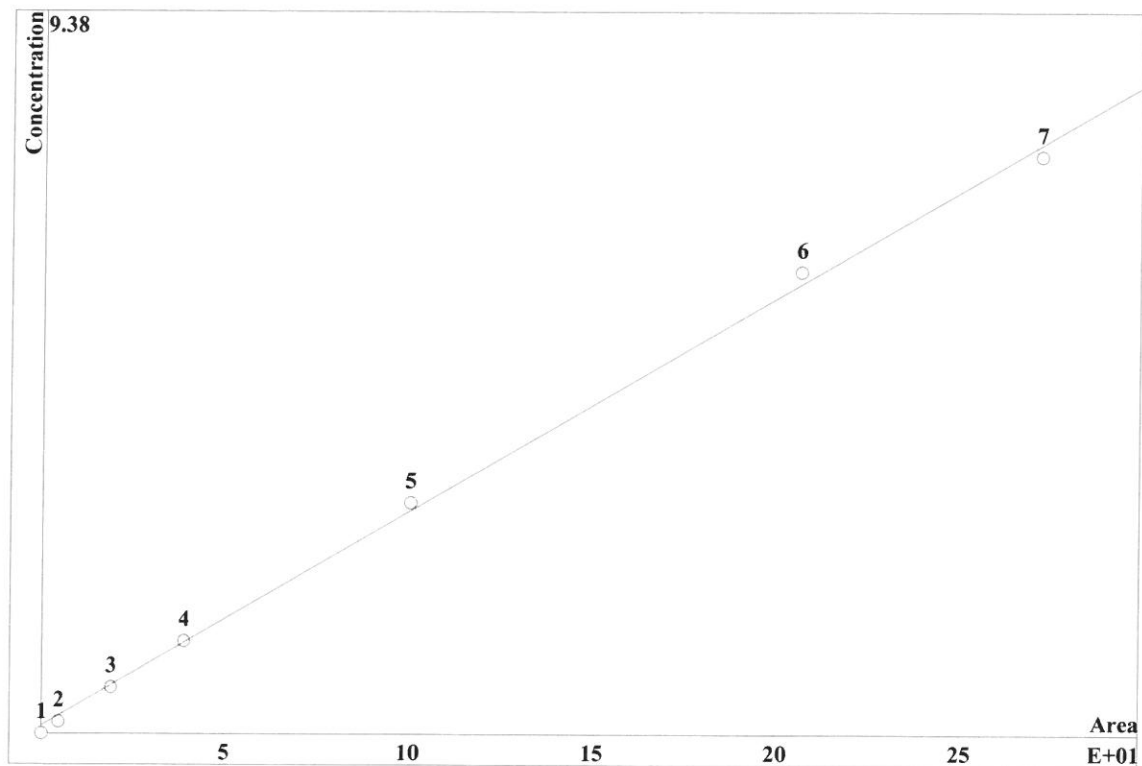
K3 = 0 K2 = 0 K1 = 1.29184 K0 = 1.78813

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	0.123	2.067	0.15	20	8.858	Yes	
3	0.4946	8.169	0.6	20	8.858	Yes	
4	1.035	17.25	1.2	20	8.858	Yes	
5	2.69	43.91	3	20	8.858	Yes	
6	5.468	88.7	6	20	8.858	Yes	
7	7.305	117.2	7.5	20	8.858	Yes	

CALIBRATION OF COMPONENT NO2

Method: ANIONS 09-04-18.mtw
 Equation: $Q = 0.555871 \cdot A + 2.11184$
 RSD: 4.201 %
 Correlation coefficient: 0.999280

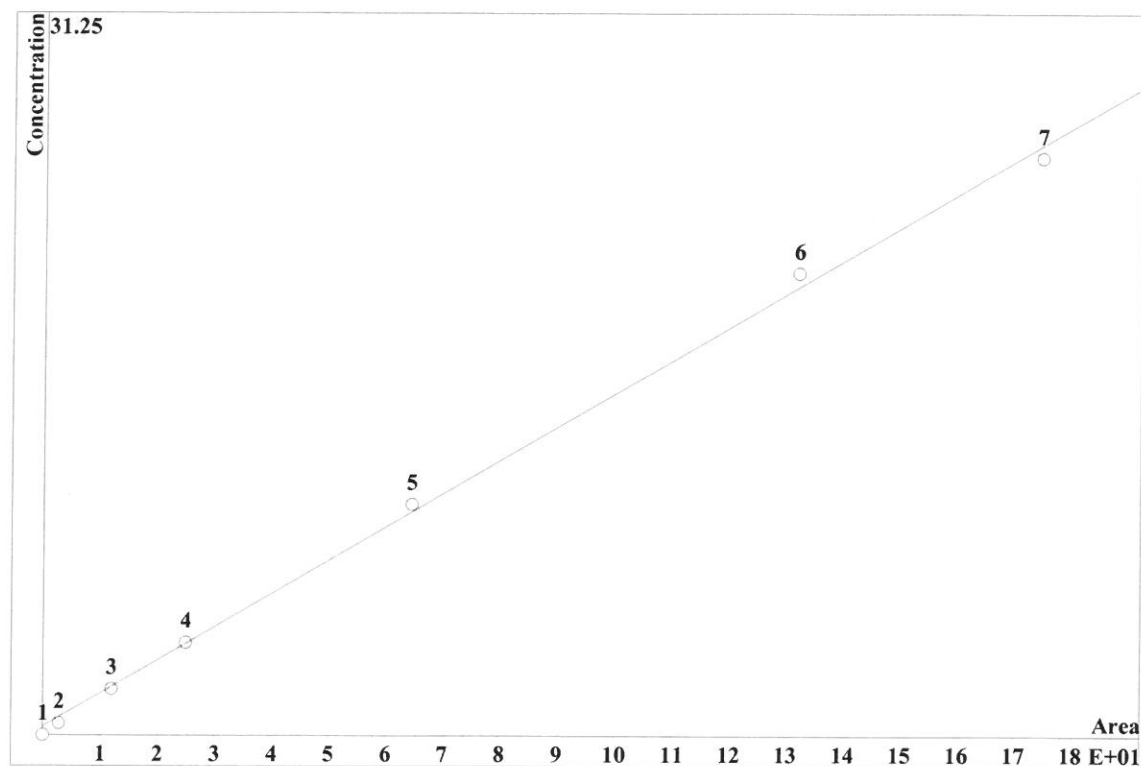


K3 = 0 K2 = 0 K1 = 0.555871 K0 = 2.11184
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.2443	4.621	0.15	20	10.65			Yes
3	0.9895	18.94	0.6	20	10.65			Yes
4	2.066	38.88	1.2	20	10.65			Yes
5	5.357	100.5	3	20	10.65			Yes
6	10.68	206.4	6	20	10.65			Yes
7	13.97	271.6	7.5	20	10.65			Yes

CALIBRATION OF COMPONENT BR-

Method: ANIONS 09-04-18.mtw
 Equation: $Q = 2.88313 \cdot A + 7.56613$
 RSD: 4.500 %
 Correlation coefficient: 0.999173



K3 = 0 K2 = 0 K1 = 2.88313 K0 = 7.56613

Base: Area

Ref.channel: Cond

ISTD:

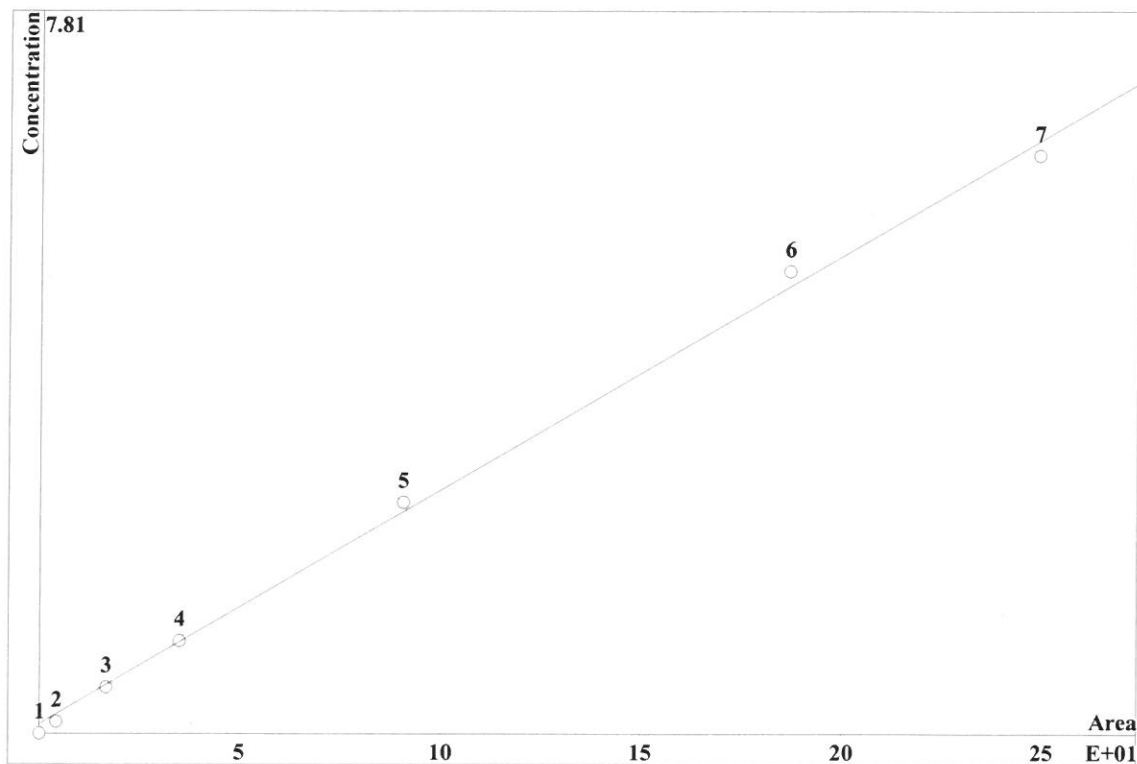
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1371	2.823	0.5	20	13.72		Yes
3	0.5728	11.97	2	20	13.72		Yes
4	1.212	24.87	4	20	13.72		Yes
5	3.172	64.52	10	20	13.72		Yes
6	6.332	132	20	20	13.72		Yes
7	8.221	174.7	25	20	13.72		Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 09-04-18.mtw
 Equation: $Q = 0.506435 \cdot A + 2.06904$
 RSD: 5.131 %
 Correlation coefficient: 0.998925



K3 = 0 K2 = 0 K1 = 0.506435 K0 = 2.06904

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

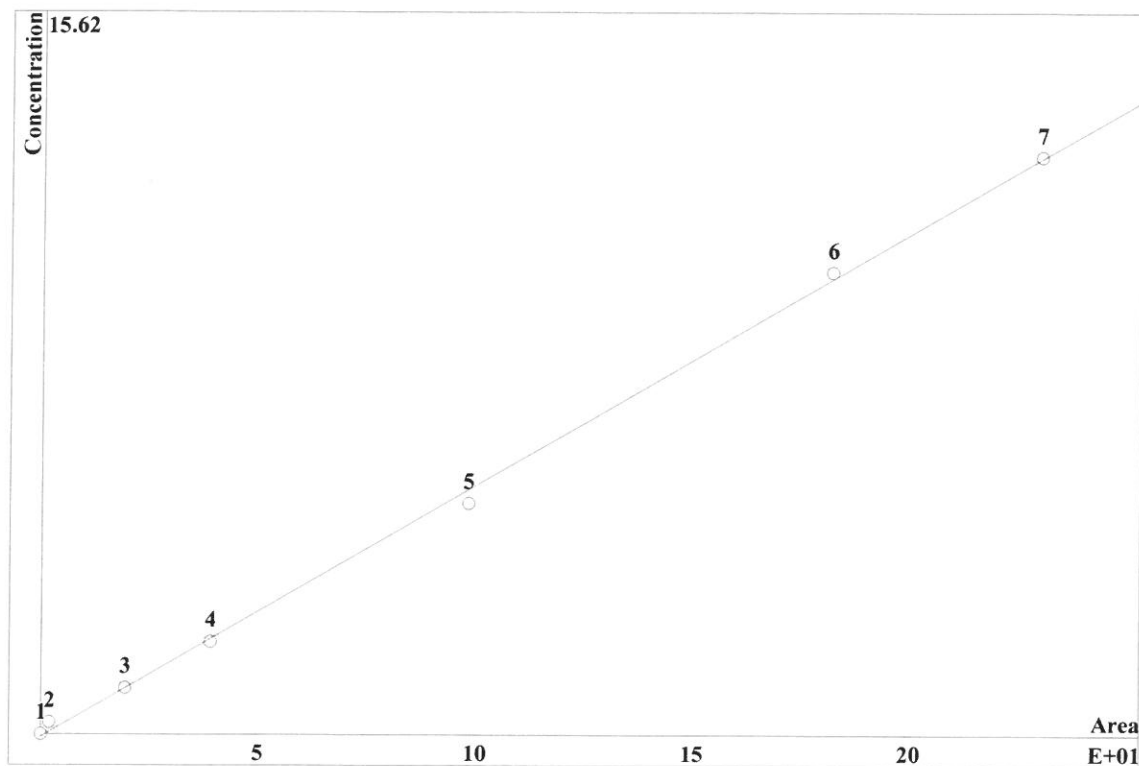
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1761	4.248	0.125	20	15.65	Yes	
3	0.717	16.79	0.5	20	15.65	Yes	
4	1.516	35.08	1	20	15.65	Yes	
5	4.035	90.69	2.5	20	15.65	Yes	
6	8.384	187	5	20	15.65	Yes	
7	11.27	248.9	6.25	20	15.65	Yes	

±□;□

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 09-04-18.mtw
 Equation: $Q = 1.0895 \cdot A - 1.12689$
 RSD: 3.862 %
 Correlation coefficient: 0.999391



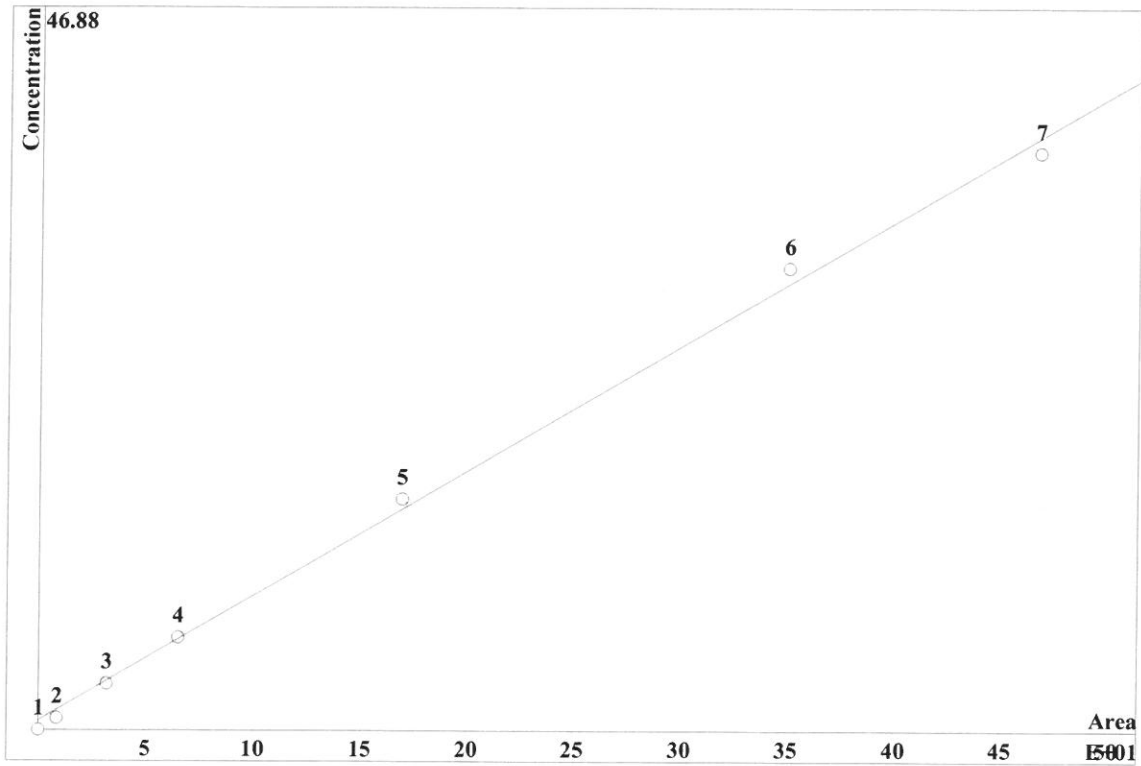
K3 = 0 K2 = 0 K1 = 1.0895 K0 = -1.12689

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	0.05941	1.931	0.25	20	21.48		Yes
3	0.5152	19.38	1	20	21.48		Yes
4	1.069	39.02	2	20	21.48		Yes
5	2.889	98.34	5	20	21.48		Yes
6	5.468	182	10	20	21.48		Yes
7	7.057	230	12.5	20	21.48		Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 09-04-18.mtw
 Equation: $Q = 1.61971 \cdot A + 12.4616$
 RSD: 5.431 %
 Correlation coefficient: 0.998795



K3 = 0 K2 = 0 K1 = 1.61971 K0 = 12.4616
 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	0.2749	8.639	0.75	20	25.17			Yes
3	1.043	31.82	3	20	25.17			Yes
4	2.181	65.24	6	20	25.17			Yes
5	5.784	169.5	15	20	25.17			Yes
6	12.02	350.2	30	20	25.17			Yes
7	16.25	467.5	37.5	20	25.17			Yes

IC-1 Cal
09-04-2018

Report date: 9/6/2018 10:31:55 AM
Printed by: wet

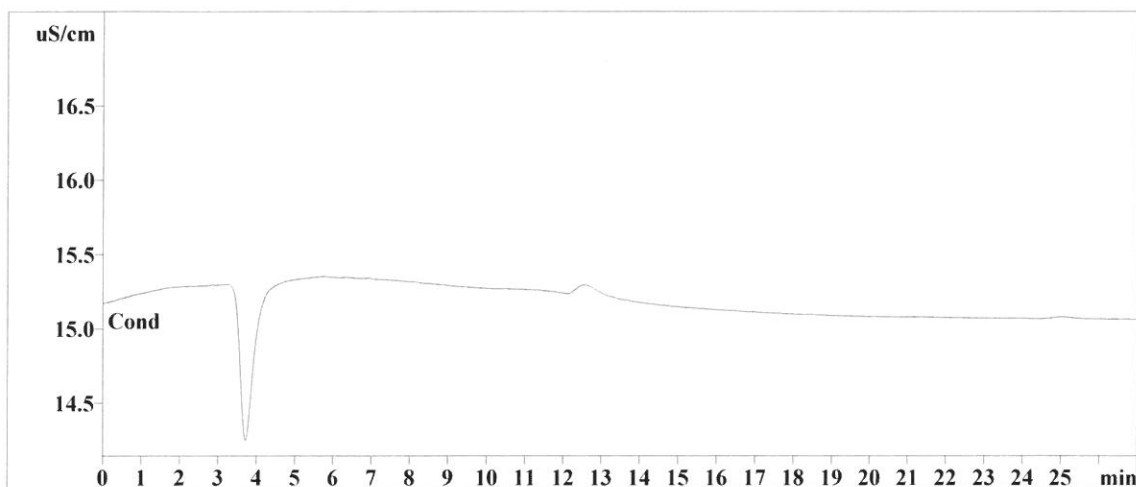
Ident: STD1
Analysis from: 9/4/2018 10:59:17 AM
File: _2018-09-04_

Last save: 9/4/2018 2:59:20 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63678

Last save: 9/4/2018 8:54:34 AM

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



Quantitation method: Custom

No peaks

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Report date: 9/6/2018 10:32:08 AM
Printed by: wet

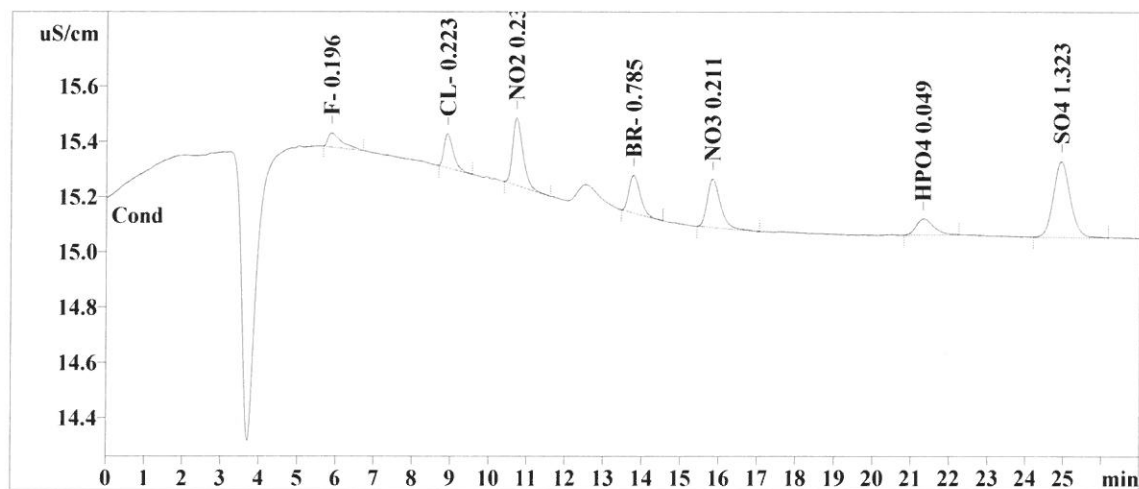
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Analysis from: 9/4/2018 11:29:12 AM
File: _2018-09-04_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63679

Last save: 9/4/2018 8:54:34 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	5.88	0.366	0.05	4.79	1.336	5.21	0.
2	8.90	0.254	0.12	11.50	2.067	8.05	0.
3	10.72	0.284	0.24	22.81	4.621	18.01	0.
4	13.78	0.319	0.14	12.80	2.823	11.00	0.
5	15.82	0.360	0.18	16.42	4.248	16.55	0.
6	21.32	0.487	0.06	5.52	1.931	7.52	0.
7	24.92	0.476	0.27	25.73	8.639	33.66	0.
7	27.00	0.364	1.06	99.58	25.666	100.00	0.

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Report date: 9/6/2018 10:32:16 AM
Printed by: wet

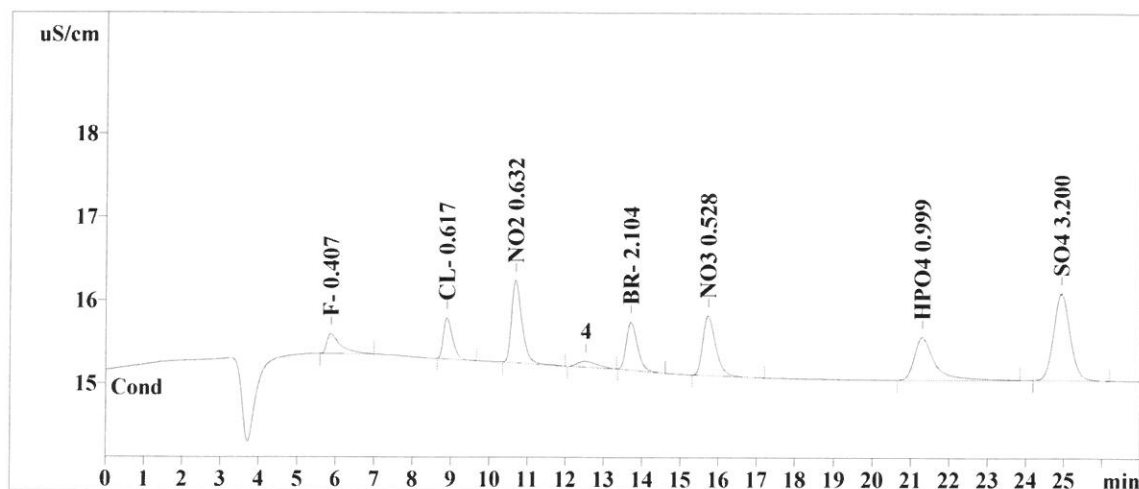
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Analysis from: 9/4/2018 11:59:07 AM
File: _2018-09-04_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63680

Last save: 9/4/2018 8:54:34 AM

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	5.87	0.352	0.23	5.05	6.021	5.20	0.
2	8.89	0.251	0.49	10.66	8.169	7.06	0.
3	10.68	0.284	0.99	21.32	18.941	16.37	0.
4	13.71	0.319	0.57	12.34	11.969	10.34	0.
5	15.72	0.353	0.72	15.44	16.786	14.50	0.
6	21.28	0.499	0.51	11.09	19.376	16.74	0.
7	24.92	0.466	1.04	22.47	31.819	27.49	0.
7	27.00	0.360	4.56	98.38	113.081	97.71	0.

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Report date: 9/6/2018 10:32:32 AM
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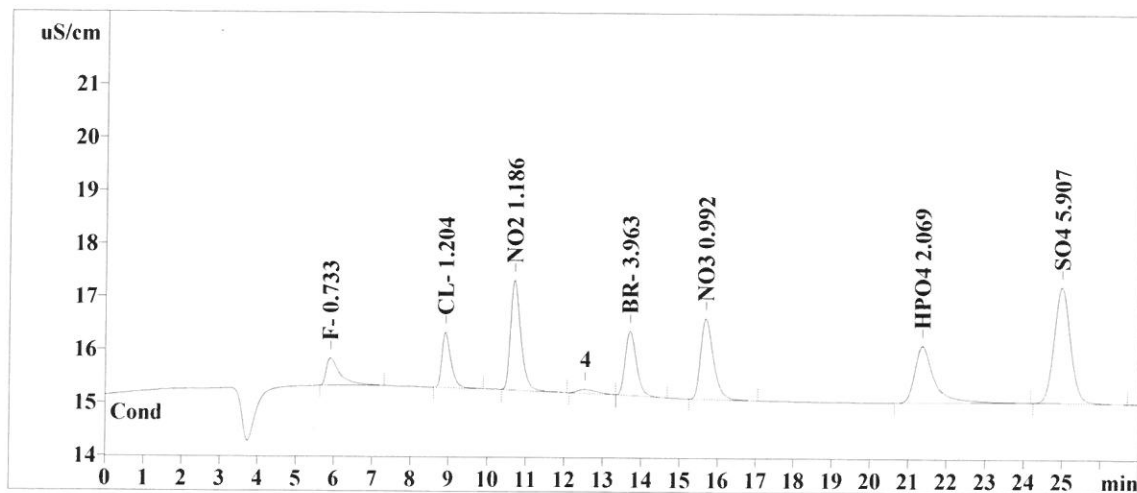
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Analysis from: 9/4/2018 12:29:02 PM
File: _2018-09-04_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63681

Last save: 9/4/2018 8:54:34 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	5.90	0.347	0.51	5.32	13.277	5.62	0.
2	8.90	0.250	1.04	10.71	17.249	7.30	0.
3	10.69	0.280	2.07	21.36	38.880	16.46	0.
4	13.69	0.314	1.21	12.53	24.868	10.53	0.
5	15.67	0.347	1.52	15.67	35.082	14.85	0.
6	21.36	0.483	1.07	11.06	39.021	16.52	0.
7	24.97	0.456	2.18	22.55	65.240	27.62	0.
7	27.00	0.354	9.59	99.19	233.619	98.89	0.

This report has been created by IC Net
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Report date: 9/6/2018 10:32:47 AM
Printed by: wet

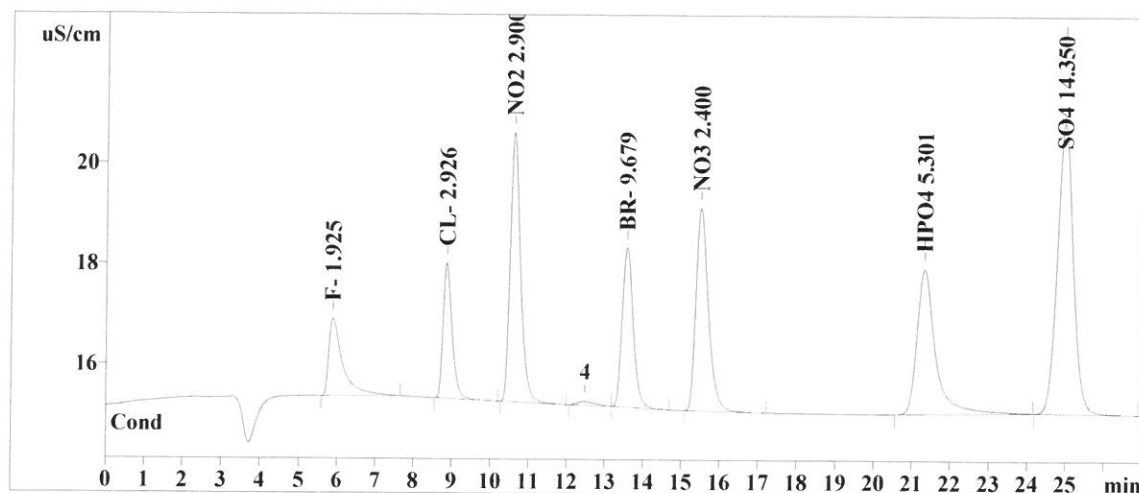
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Analysis from: 9/4/2018 12:58:58 PM
File: _2018-09-04_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63682

Last save: 9/4/2018 8:54:34 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	5.88	0.343	1.53	6.00	39.768	6.52	0.
2	8.85	0.245	2.69	10.53	43.912	7.20	0.
3	10.59	0.280	5.36	20.97	100.543	16.49	0.
4	13.56	0.311	3.17	12.42	64.517	10.58	0.
5	15.49	0.336	4.03	15.80	90.690	14.87	0.
6	21.31	0.458	2.89	11.31	98.345	16.12	0.
7	24.95	0.446	5.78	22.65	169.497	27.79	0.
7	27.00	0.346	25.46	99.68	607.273	99.57	0.

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Report date: 9/6/2018 10:34:20 AM
 Printed by: wet

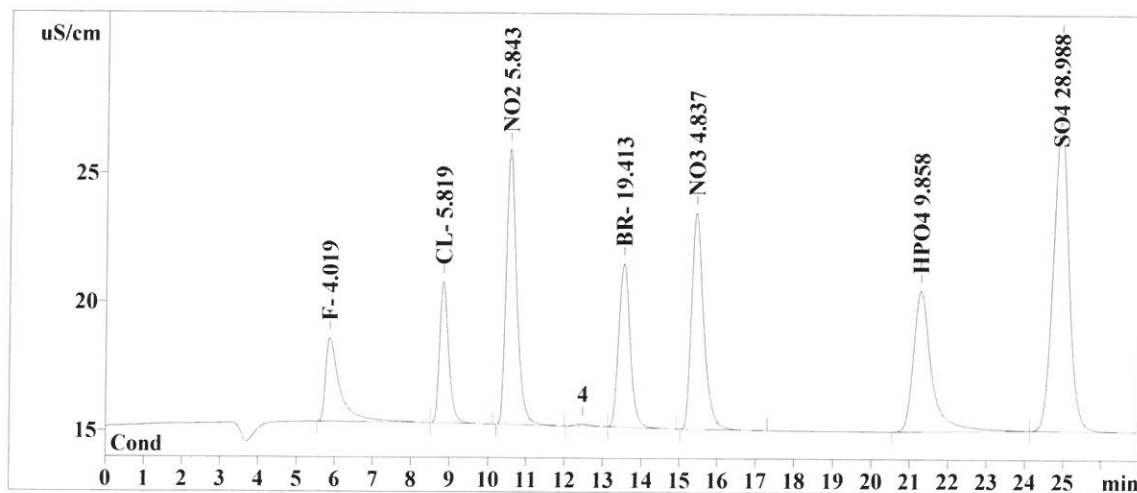
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 Analysis from: 9/4/2018 1:28:53 PM
 File: _2018-09-04_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63683

Last save: 9/4/2018 8:54:34 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	5.86	0.343	3.23	6.26	86.317	6.99	0.
2	8.81	0.243	5.47	10.58	88.700	7.18	0.
3	10.55	0.289	10.68	20.67	206.436	16.71	0.
4	13.53	0.320	6.33	12.26	132.040	10.69	0.
5	15.42	0.332	8.38	16.23	186.955	15.13	0.
6	21.27	0.452	5.47	10.58	181.997	14.73	0.
7	24.90	0.442	12.02	23.27	350.247	28.35	0.
7	27.00	0.346	51.59	99.84	1232.691	99.79	0.

This report has been created by IC Net
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Report date: 9/6/2018 10:34:30 AM
 Printed by: wet

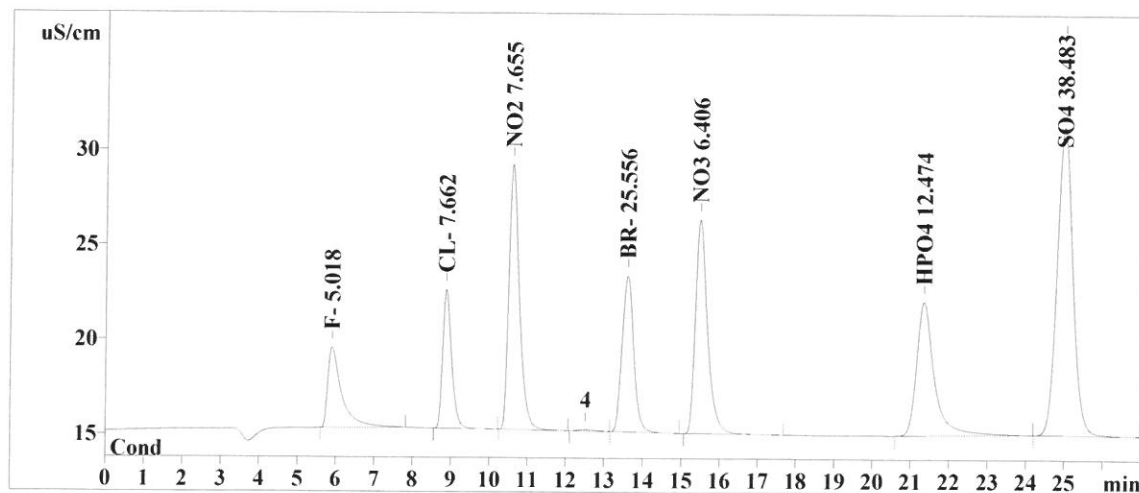
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 File: _2018-09-04_

Last save: 9/4/2018 3:00:00 PM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63684

Last save: 9/4/2018 8:54:34 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	5.89	0.343	4.23	6.18	108.522	6.70	0.
2	8.86	0.241	7.30	10.68	117.237	7.23	0.
3	10.59	0.291	13.97	20.43	271.607	16.76	0.
4	13.59	0.328	8.22	12.02	174.656	10.78	0.
5	15.46	0.327	11.27	16.48	248.910	15.36	0.
6	21.33	0.444	7.06	10.32	230.013	14.19	0.
7	24.97	0.436	16.25	23.77	467.485	28.84	0.
7	27.00	0.344	68.30	99.88	1618.430	99.85	0.

This report has been created by IC Net
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Report date: 9/6/2018 10:35:22 AM
Printed by: wet

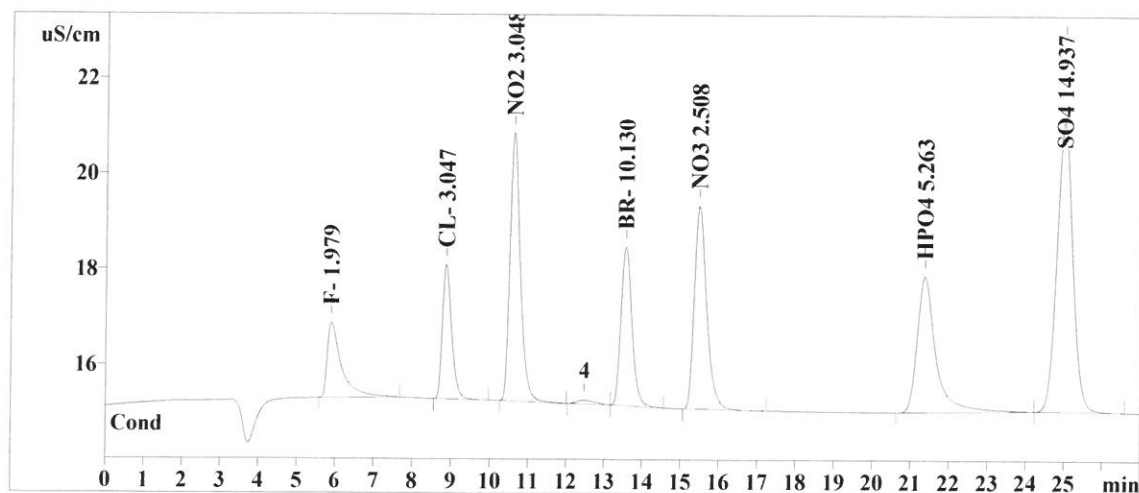
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File: _2018-09-04_

Last save: 9/4/2018 3:55:22 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63687

Last save: 9/4/2018 2:59:30 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	5.90	0.344	1.57	5.92	40.953	6.48	0.
2	8.86	0.246	2.81	10.58	45.786	7.24	0.
3	10.59	0.282	5.61	21.14	105.878	16.75	0.
4	13.55	0.312	3.33	12.53	67.647	10.70	0.
5	15.47	0.335	4.25	16.00	94.966	15.02	0.
6	21.35	0.460	2.85	10.72	97.647	15.44	0.
7	24.98	0.445	6.05	22.81	176.741	27.95	0.
7	27.00	0.346	26.46	99.70	629.617	99.58	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:35:42 AM
Printed by: wet

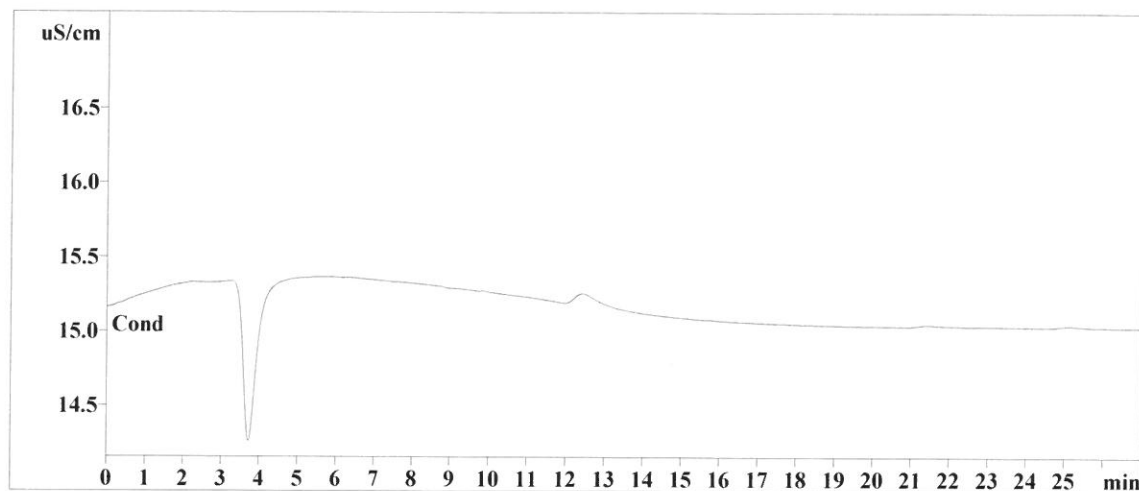
Ident: ICB
Analysis from: 9/4/2018 3:58:28 PM
File: _2018-09-04_

Last save: 9/6/2018 10:35:40 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63688

Last save: 9/4/2018 2:59:30 PM

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: 9/6/2018 10:42:04 AM
Printed by: wet

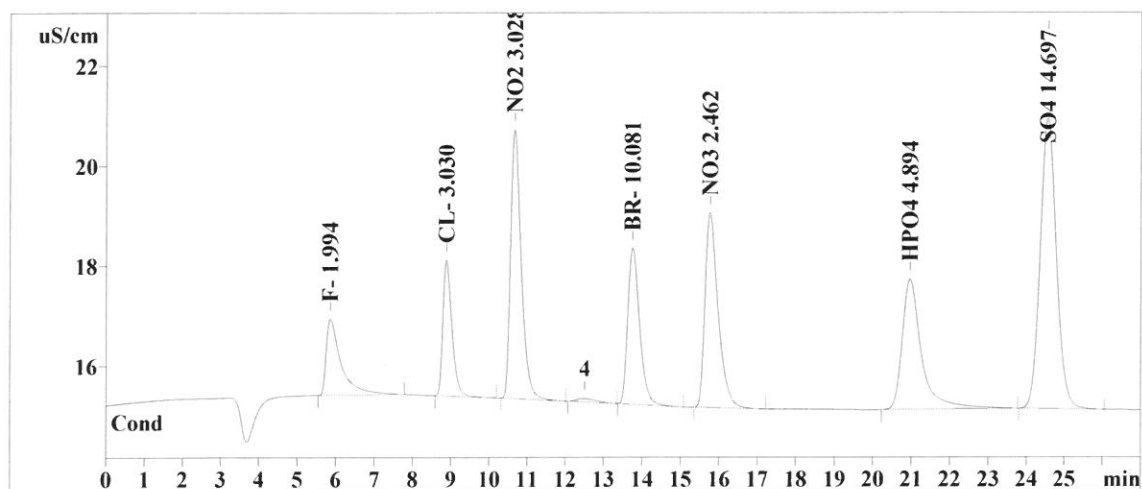
Ident: CCV
Analysis from: 9/5/2018 7:57:47 AM
File: _2018-09-05_

Last save: 9/5/2018 8:24:36 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63691

Last save: 9/4/2018 2:59:30 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	0.357	1.52	6.04	41.306	6.67	0.
2	8.88	0.252	2.71	10.81	45.521	7.35	0.
3	10.66	0.293	5.37	21.40	105.152	16.97	0.
4	13.75	0.327	3.12	12.43	67.305	10.86	0.
5	15.76	0.358	3.89	15.52	93.160	15.03	0.
6	20.96	0.473	2.60	10.37	90.873	14.66	0.
7	24.55	0.456	5.81	23.13	173.786	28.04	0.
7	27.00	0.359	25.02	99.71	617.103	99.58	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:42:23 AM
Printed by: wet

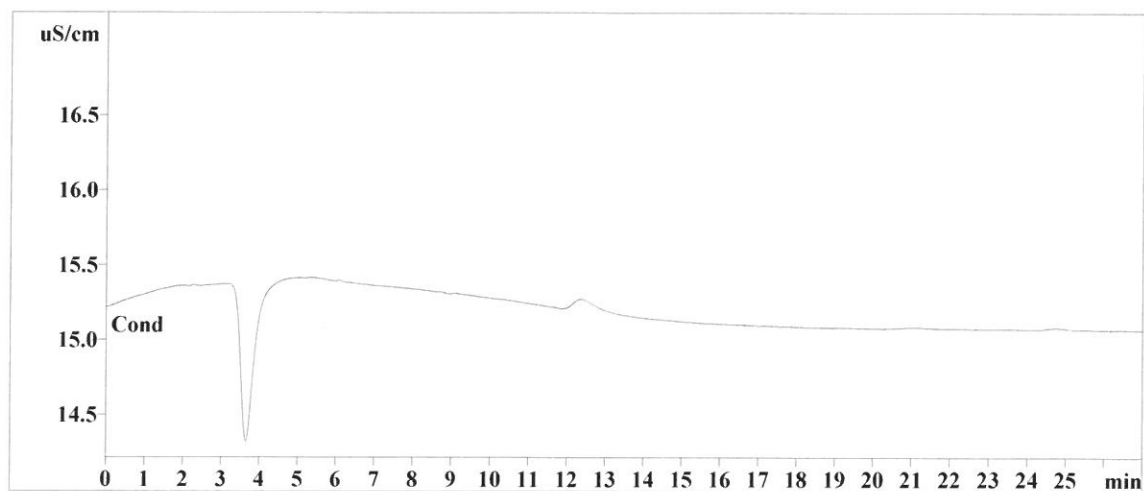
Ident: CCB
Analysis from: 9/5/2018 8:29:09 AM
File: _2018-09-05_

Last save: 9/6/2018 10:42:20 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63692

Last save: 9/4/2018 2:59:30 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: 9/6/2018 10:42:34 AM
Printed by: wet

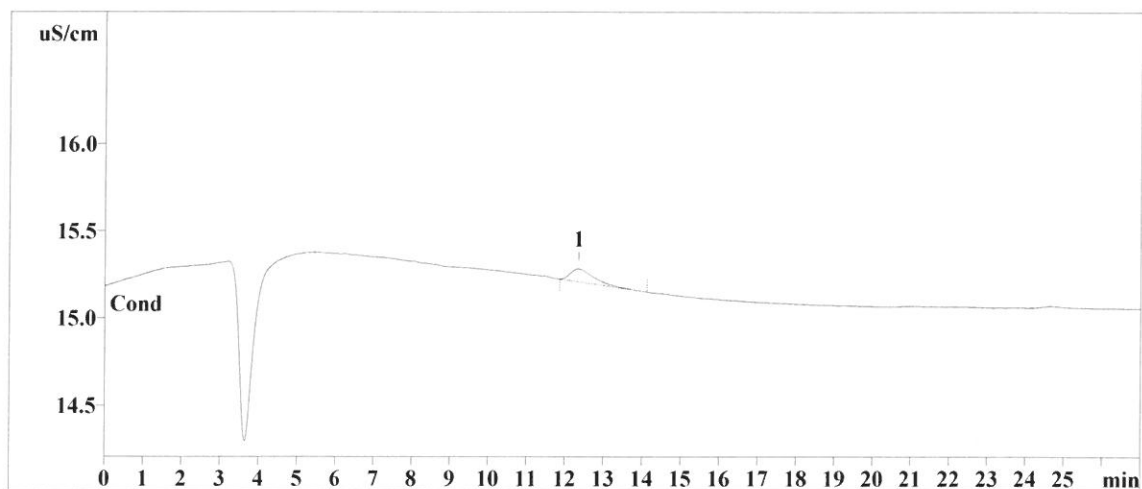
Ident: LB97745BLW
Analysis from: 9/5/2018 8:59:04 AM
File: _2018-09-05_

Last save: 9/6/2018 10:31:06 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63693

Last save: 9/4/2018 2:59:30 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	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	27.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:44:02 AM
Printed by: wet

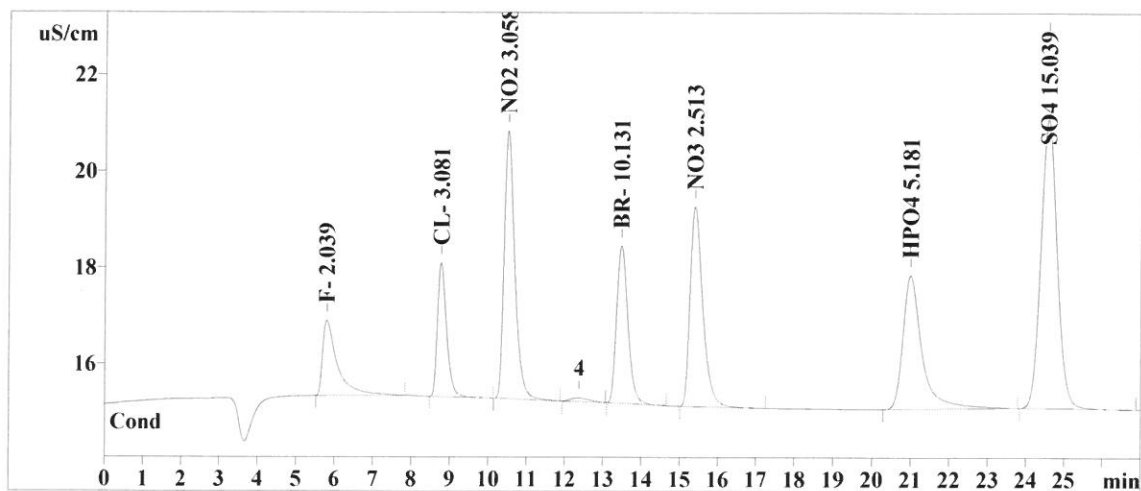
Ident: LB97745BSW
Analysis from: 9/5/2018 9:28:59 AM
File: _2018-09-05_

Last save: 9/6/2018 10:31:06 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63694

Last save: 9/4/2018 2:59:30 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	5.80	0.354	1.55	5.94	42.291	6.67	0.
2	8.76	0.249	2.78	10.63	46.315	7.30	0.
3	10.51	0.285	5.56	21.25	106.235	16.74	0.
4	13.47	0.316	3.26	12.48	67.652	10.66	0.
5	15.39	0.343	4.14	15.84	95.169	15.00	0.
6	20.99	0.467	2.78	10.61	96.141	15.15	0.
7	24.57	0.451	6.00	22.94	178.011	28.06	0.
7	27.00	0.352	26.08	99.69	631.814	99.58	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 11:05:28 AM
Printed by: wet

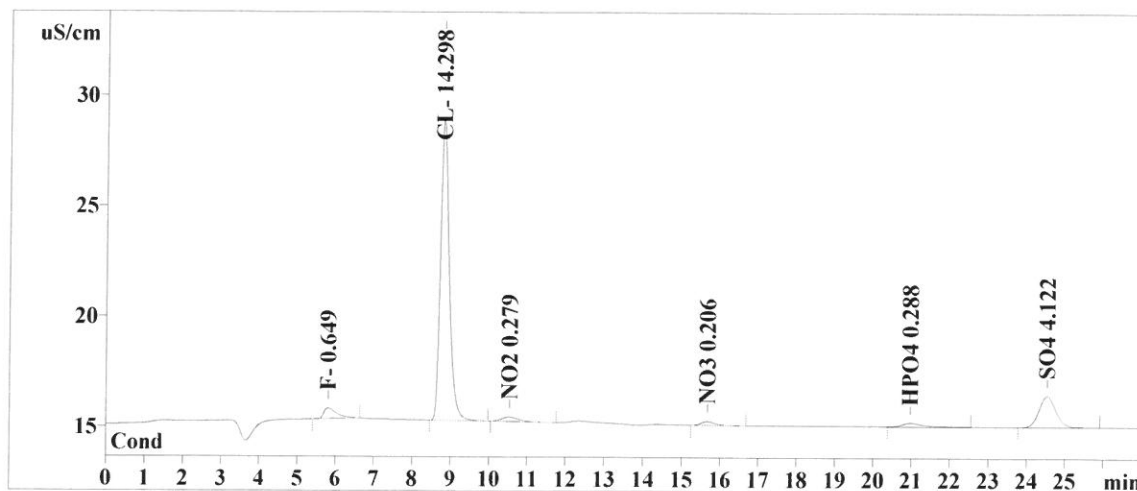
Ident: J4806-01
Analysis from: 9/5/2018 3:56:06 PM
File: _2018-09-05_

Last save: 9/6/2018 11:05:26 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63696

Last save: 9/4/2018 2:59:30 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	5.80	0.351	0.48	2.97	11.409	3.92	0.
2	8.80	0.240	13.68	84.96	219.968	75.54	0.
3	10.54	0.467	0.20	1.25	6.230	2.14	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.67	0.362	0.17	1.06	4.061	1.39	0.
6	20.98	0.523	0.17	1.03	6.325	2.17	0.
7	24.53	0.469	1.41	8.72	43.201	14.84	0.
7	27.00	0.345	16.10	99.98	291.195	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:45:48 AM
Printed by: wet

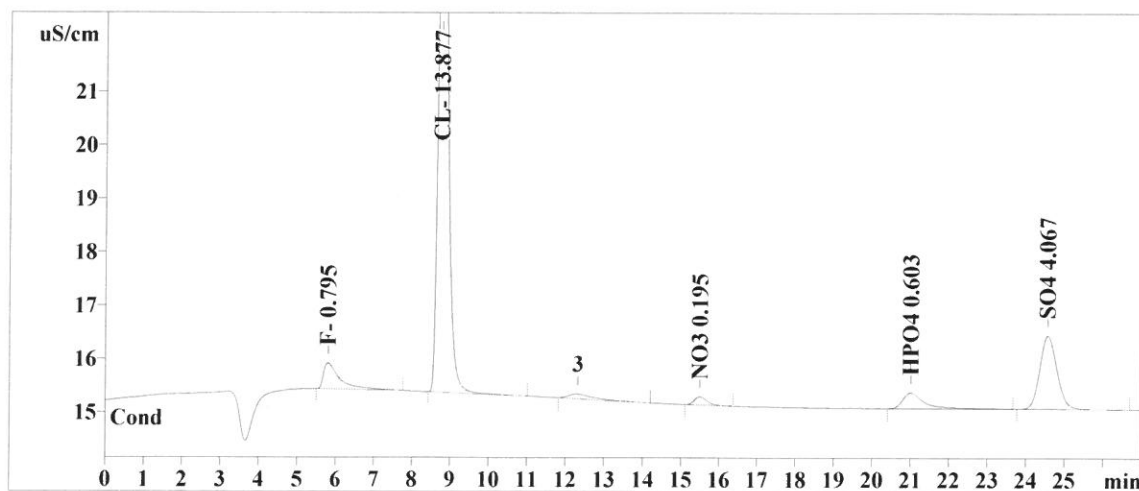
Ident: J4806-02
Analysis from: 9/5/2018 4:26:01 PM
File: _2018-09-05_

Last save: 9/6/2018 10:28:40 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63697

Last save: 9/4/2018 2:59:30 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	5.80	0.386	0.48	3.10	14.639	5.04	0.
2	8.75	0.240	13.25	84.67	213.462	73.52	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	15.50	0.359	0.15	0.98	3.622	1.25	0.
6	21.00	0.525	0.30	1.90	12.098	4.17	0.
7	24.56	0.472	1.37	8.76	42.523	14.65	0.
7	27.00	0.283	15.55	99.41	286.344	98.62	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:46:03 AM
Printed by: wet

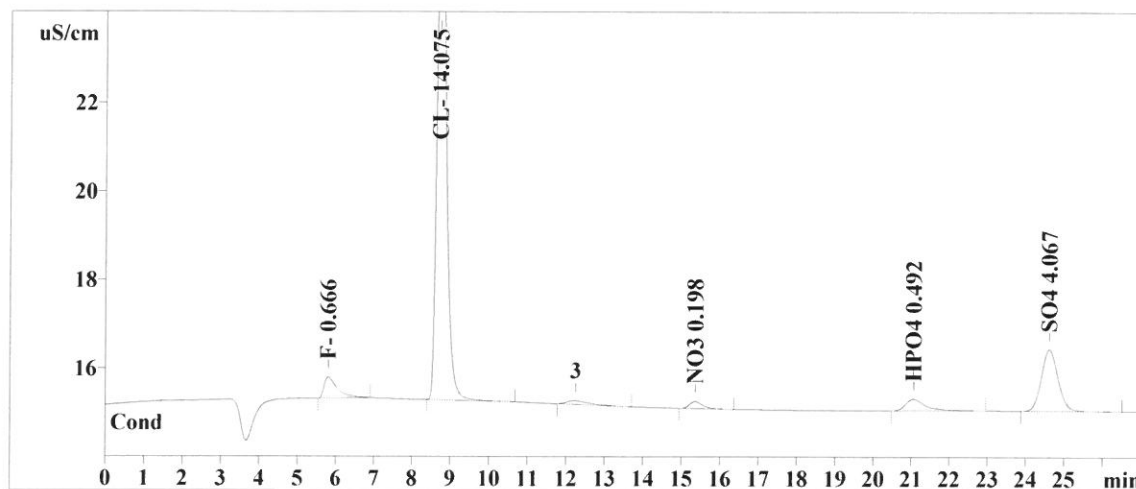
Ident: J4806-03
Analysis from: 9/5/2018 4:55:56 PM
File: _2018-09-05_

Last save: 9/6/2018 10:28:40 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63698

Last save: 9/4/2018 2:59:30 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	5.80	0.348	0.47	2.95	11.784	4.09	0.
2	8.72	0.235	13.69	85.16	216.527	75.11	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	15.36	0.352	0.16	0.99	3.735	1.30	0.
6	21.06	0.514	0.26	1.64	10.070	3.49	0.
7	24.61	0.462	1.40	8.71	42.519	14.75	0.
7	27.00	0.273	15.98	99.44	284.634	98.74	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:46:17 AM
Printed by: wet

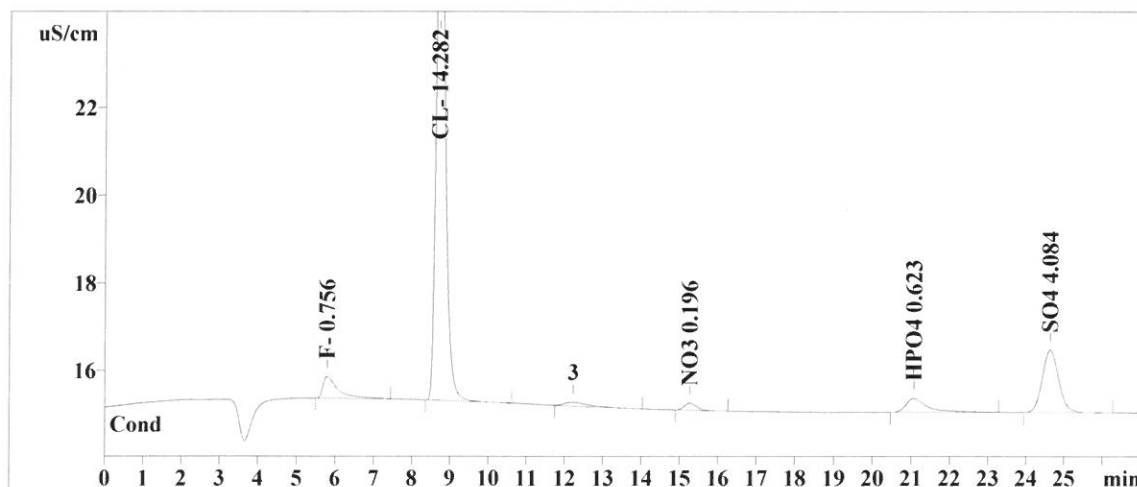
Ident: J4806-03DUP
Analysis from: 9/5/2018 5:25:51 PM
File: _2018-09-05_

Last save: 9/6/2018 10:28:40 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63699

Last save: 9/4/2018 2:59:30 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	5.79	0.363	0.50	3.04	13.787	4.65	0.
2	8.70	0.237	13.84	84.73	219.726	74.18	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	15.27	0.345	0.16	0.98	3.648	1.23	0.
6	21.07	0.516	0.32	1.94	12.472	4.21	0.
7	24.63	0.457	1.43	8.74	42.740	14.43	0.
7	27.00	0.274	16.24	99.44	292.372	98.71	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:46:49 AM
Printed by: wet

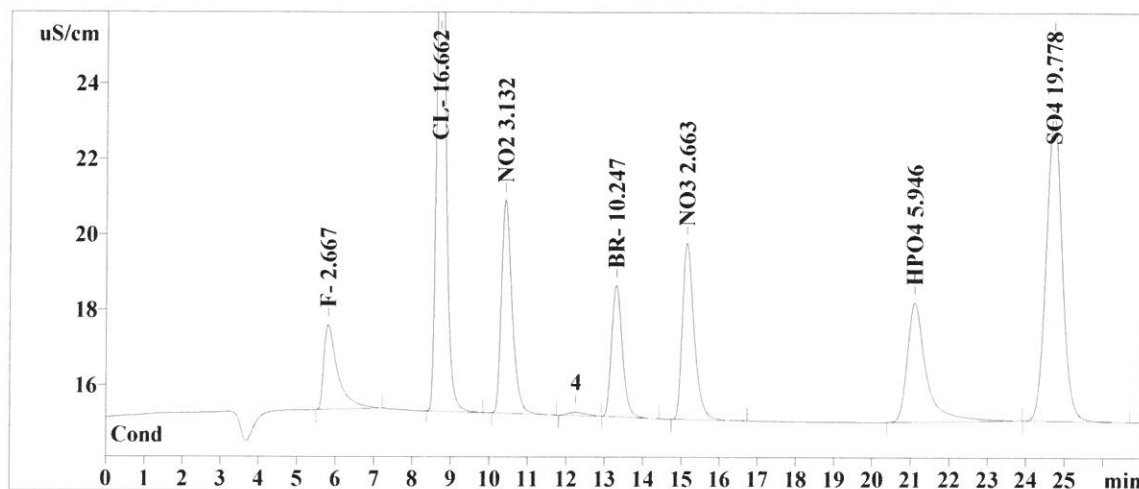
Ident: J4806-03MS
Analysis from: 9/5/2018 5:55:47 PM
File: _2018-09-05_

Last save: 9/6/2018 10:28:42 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63700

Last save: 9/4/2018 2:59:30 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	5.80	0.346	2.23	5.11	56.250	5.98	0.
2	8.70	0.236	16.32	37.36	256.580	27.27	0.
3	10.41	0.289	5.64	12.92	108.883	11.57	0.
4	13.29	0.302	3.47	7.94	68.457	7.28	0.
5	15.13	0.324	4.66	10.68	101.065	10.74	0.
6	21.10	0.465	3.16	7.22	110.177	11.71	0.
7	24.69	0.442	8.12	18.58	236.524	25.14	0.
7	27.00	0.343	43.60	99.79	937.936	99.69	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:47:00 AM
 Printed by: wet

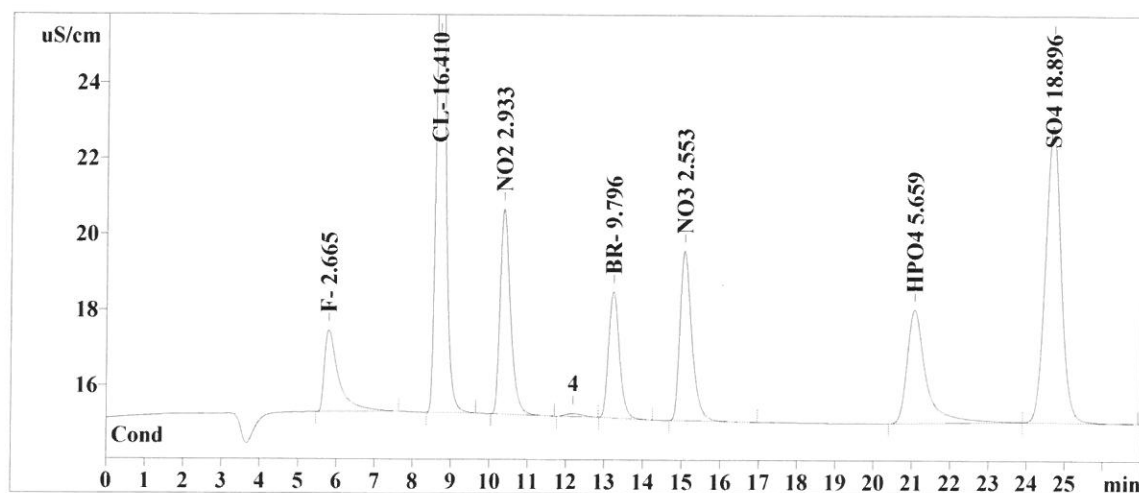
Ident: J4806-03MSD
 Analysis from: 9/5/2018 6:25:41 PM
 File: _2018-09-05_

Last save: 9/6/2018 10:28:42 AM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63701

Last save: 9/4/2018 2:59:30 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	5.79	0.346	2.15	5.07	56.205	6.20	0.
2	8.67	0.233	16.24	38.20	252.665	27.89	0.
3	10.37	0.281	5.41	12.73	101.743	11.23	0.
4	13.22	0.301	3.33	7.83	65.330	7.21	0.
5	15.06	0.323	4.48	10.53	96.728	10.68	0.
6	21.06	0.462	3.00	7.05	104.920	11.58	0.
7	24.65	0.438	7.82	18.39	225.630	24.91	0.
7	27.00	0.341	42.43	99.79	903.221	99.71	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/6/2018 10:49:10 AM
Printed by: wet

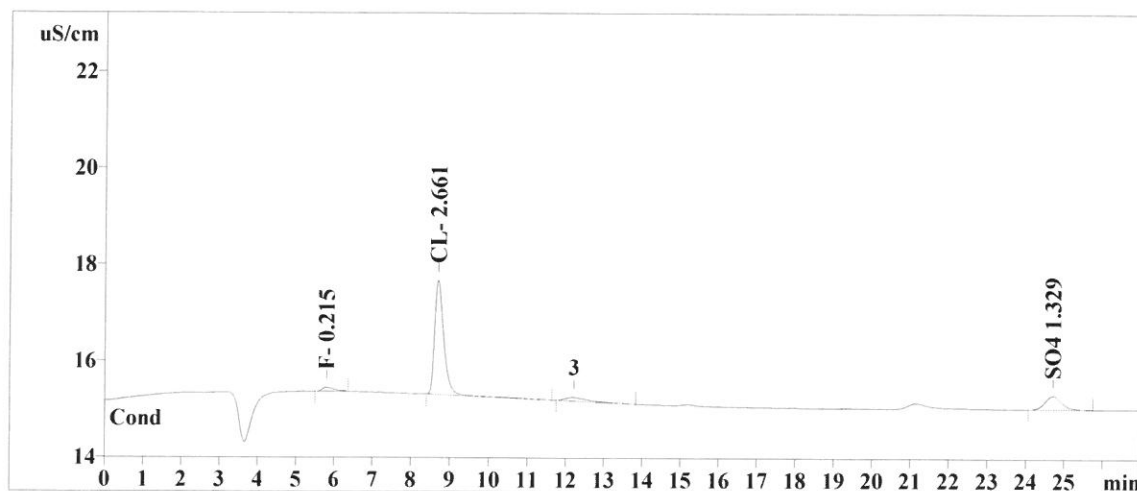
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Analysis from: 9/5/2018 6:55:36 PM
File: _2018-09-05_

Last save: 9/6/2018 10:49:10 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63702

Last save: 9/4/2018 2:59:30 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	5.80	0.340	0.08	2.84	1.757	3.28	0.
2	8.69	0.247	2.36	84.27	39.816	74.32	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	24.70	0.469	0.28	10.04	8.714	16.27	0.
7	27.00	0.151	2.73	97.15	50.287	93.86	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:53:43 AM
 Printed by: wet

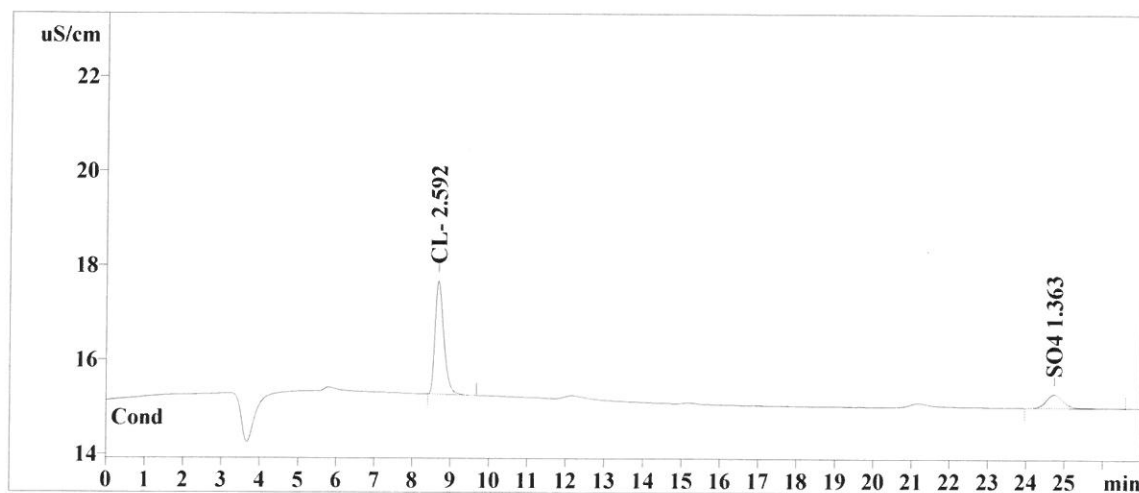
Ident: J4806-02DLX5
 Analysis from: 9/5/2018 7:25:31 PM
 File: _2018-09-05_

Last save: 9/6/2018 10:53:42 AM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63703

Last save: 9/4/2018 2:59:30 PM

SAMPLE:
 : AK/AP
 Vial number: 15
 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	8.67	0.244	2.40	89.25	38.752	80.93	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	24.73	0.472	0.29	10.70	9.131	19.07	0.
7	27.00	0.102	2.69	99.96	47.883	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/6/2018 10:54:26 AM
 Printed by: wet

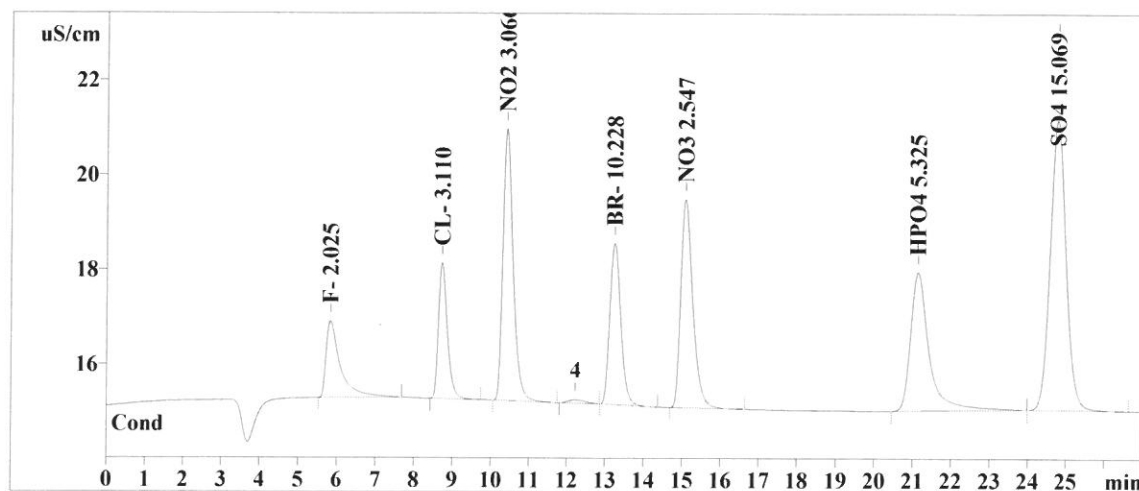
Ident: CCV
 Analysis from: 9/5/2018 7:55:26 PM
 File: _2018-09-05_

Last save: 9/5/2018 8:22:16 PM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63704

Last save: 9/4/2018 2:59:30 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	5.83	0.345	1.61	5.94	41.990	6.57	0.
2	8.72	0.246	2.86	10.56	46.758	7.31	0.
3	10.40	0.278	5.73	21.13	106.502	16.65	0.
4	13.24	0.308	3.40	12.55	68.325	10.68	0.
5	15.08	0.330	4.40	16.21	96.488	15.09	0.
6	21.13	0.455	2.92	10.77	98.779	15.45	0.
7	24.76	0.443	6.12	22.56	178.382	27.89	0.
7	27.00	0.344	27.05	99.71	637.225	99.64	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/6/2018 10:54:43 AM
Printed by: wet

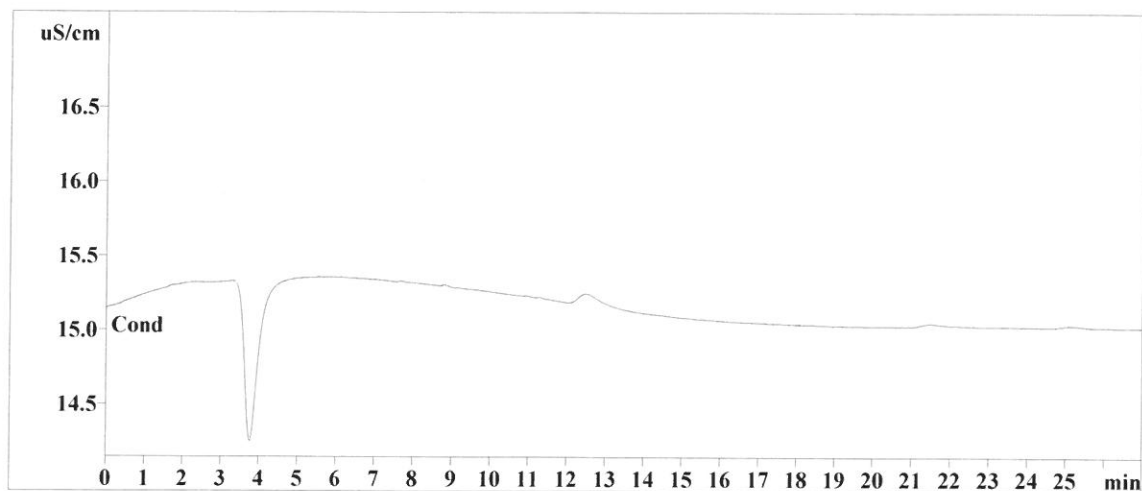
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Analysis from: 9/5/2018 8:25:22 PM
File: _2018-09-05_

Last save: 9/6/2018 10:54:42 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63705

Last save: 9/4/2018 2:59:30 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: 9/6/2018 10:55:27 AM
Printed by: wet

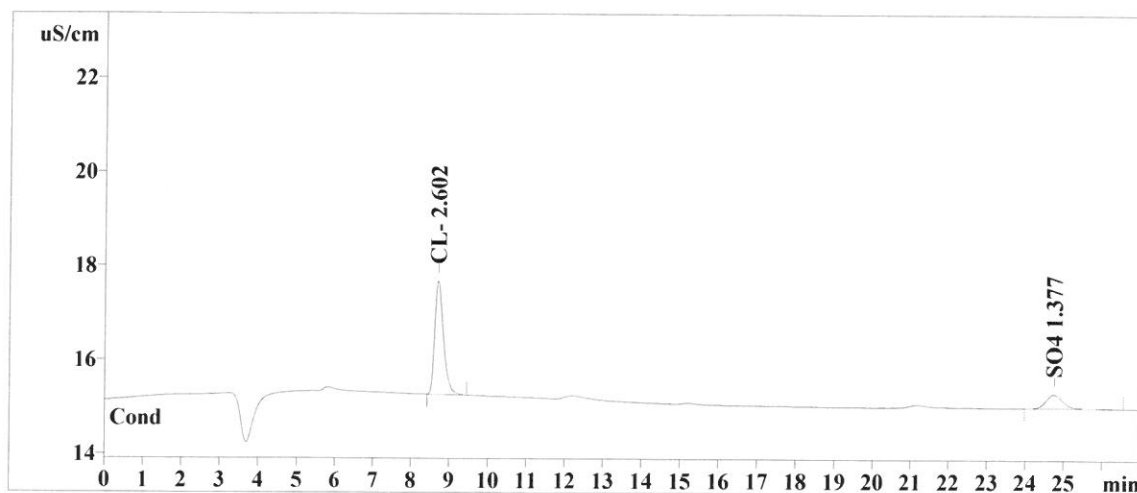
Ident: J4806-03DLX5
Analysis from: 9/5/2018 8:55:17 PM
File: _2018-09-05_

Last save: 9/6/2018 10:55:28 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63706

Last save: 9/4/2018 2:59:30 PM

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	8.70	0.244	2.41	88.97	38.902	80.70	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	24.74	0.468	0.30	11.00	9.303	19.30	0.
7	27.00	0.102	2.71	99.96	48.205	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/6/2018 10:56:21 AM
Printed by: wet

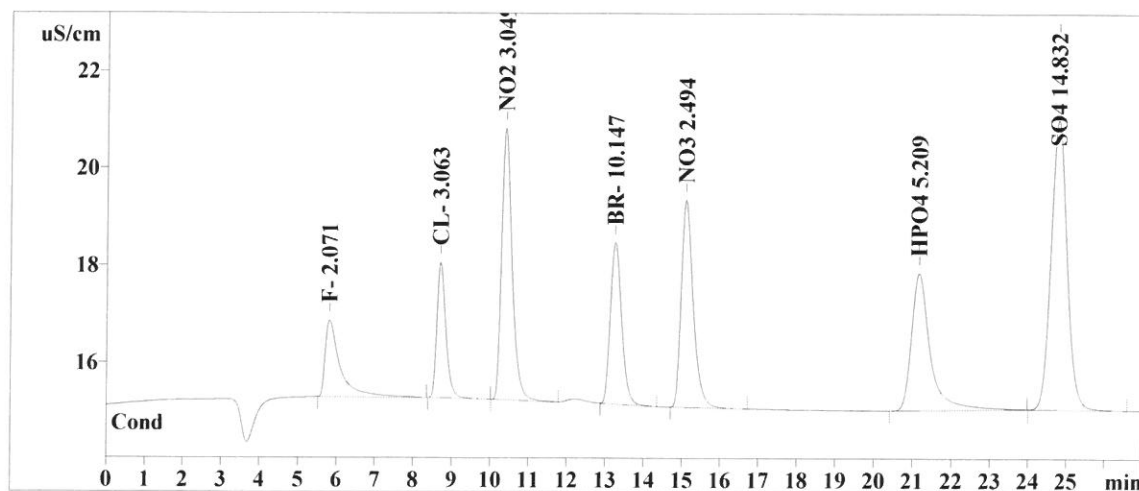
Ident: CCV
Analysis from: 9/5/2018 9:25:12 PM
File: _2018-09-05_

Last save: 9/5/2018 9:52:00 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63707

Last save: 9/4/2018 2:59:30 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	0.346	1.57	5.98	43.005	6.83	0.
2	8.69	0.249	2.78	10.56	46.029	7.32	0.
3	10.38	0.283	5.59	21.25	105.885	16.83	0.
4	13.24	0.313	3.32	12.64	67.764	10.77	0.
5	15.09	0.332	4.26	16.20	94.425	15.01	0.
6	21.15	0.462	2.82	10.73	96.647	15.36	0.
7	24.77	0.448	5.95	22.64	175.450	27.88	0.
7	27.00	0.348	26.29	100.00	629.204	100.00	0.

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Report date: 9/6/2018 10:56:37 AM
Printed by: wet

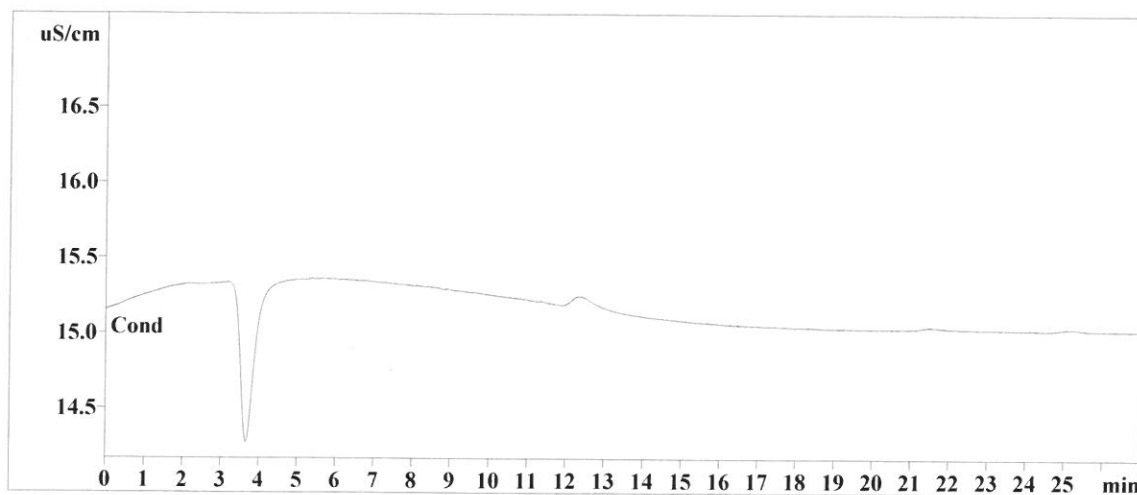
Ident: CCB
Analysis from: 9/5/2018 9:55:06 PM
File: _2018-09-05_

Last save: 9/6/2018 10:56:36 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63708

Last save: 9/4/2018 2:59:30 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