

IC-1 3000
9-13-18 AD

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	1.9360	3.0040	2.9350	9.6110	2.3910	4.6440	14.2970	2018-09-12	9/12/18 7:54		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-12	9/12/18 8:25		AK/AP
LB97877BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-12	9/12/18 8:55		AK/AP
LB97877BSW	1.9170	2.9180	2.8940	9.5140	2.3630	4.9710	14.0950	2018-09-12	9/12/18 9:25		AK/AP
J4862-01	0.0000	36.0320	0.0000	0.0000	4.4990	0.0000	13.8570	2018-09-12	9/12/18 10:03		AK/AP
J4862-02	0.0000	37.0750	0.0000	0.0000	5.9650	0.0000	5.6090	2018-09-12	9/12/18 10:33		AK/AP
J4862-03	0.0000	317.8280	0.0000	0.0000	5.7360	0.0000	15.7890	2018-09-12	9/12/18 11:03		AK/AP
J4862-03DUP	0.0000	318.6730	0.0000	0.0000	5.7810	0.0000	15.6540	2018-09-12	9/12/18 11:33		AK/AP
J4862-03MS	2.3280	289.0330	2.9520	10.1160	8.0280	4.6280	30.8830	2018-09-12	9/12/18 12:03		AK/AP
J4862-03MSD	2.2680	286.7500	2.8270	9.7830	7.8470	5.0320	29.6740	2018-09-12	9/12/18 12:33		AK/AP
J4862-01DLX10	0.0000	3.0360	0.0000	0.0000	0.4930	0.0000	1.8590	2018-09-12	9/12/18 13:03		AK/AP
J4862-02DLX10	0.0000	3.0890	0.0000	0.0000	0.6090	0.0000	1.1450	2018-09-12	9/12/18 13:33		AK/AP
CCV	1.9030	2.9830	2.9810	9.5150	2.3530	4.6140	13.9840	2018-09-12	9/12/18 14:03		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-12	9/12/18 14:33		AK/AP
J4862-03DLX50	0.0000	4.3880	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-12	9/12/18 15:03		AK/AP
J4862-01	0.0000	36.2080	0.0000	0.0000	4.3910	0.0000	13.0280	2018-09-12	9/12/18 15:33		AK/AP
J4862-02	0.0000	36.6960	0.0000	0.7590	5.8680	0.0000	5.5880	2018-09-12	9/12/18 16:02		AK/AP
DOC-1	2.0360	3.1030	3.0900	10.1410	2.5230	5.2850	15.0910	2018-09-12	9/12/18 16:32		AK/AP
DOC-2	1.9000	2.9370	2.9550	9.7050	2.3990	5.0860	14.3120	2018-09-12	9/12/18 17:02		AK/AP
DOC-3	2.0810	2.9030	2.9210	9.5400	2.3840	5.0100	14.3610	2018-09-12	9/12/18 17:32		AK/AP
DOC-4	1.9560	2.9410	2.9880	9.5570	2.3950	5.1090	14.2600	2018-09-12	9/12/18 18:02		AK/AP
CCV	1.9470	2.9860	2.9730	9.6270	2.4080	4.8630	14.5760	2018-09-12	9/12/18 18:32		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-09-12	9/12/18 19:02		AK/AP

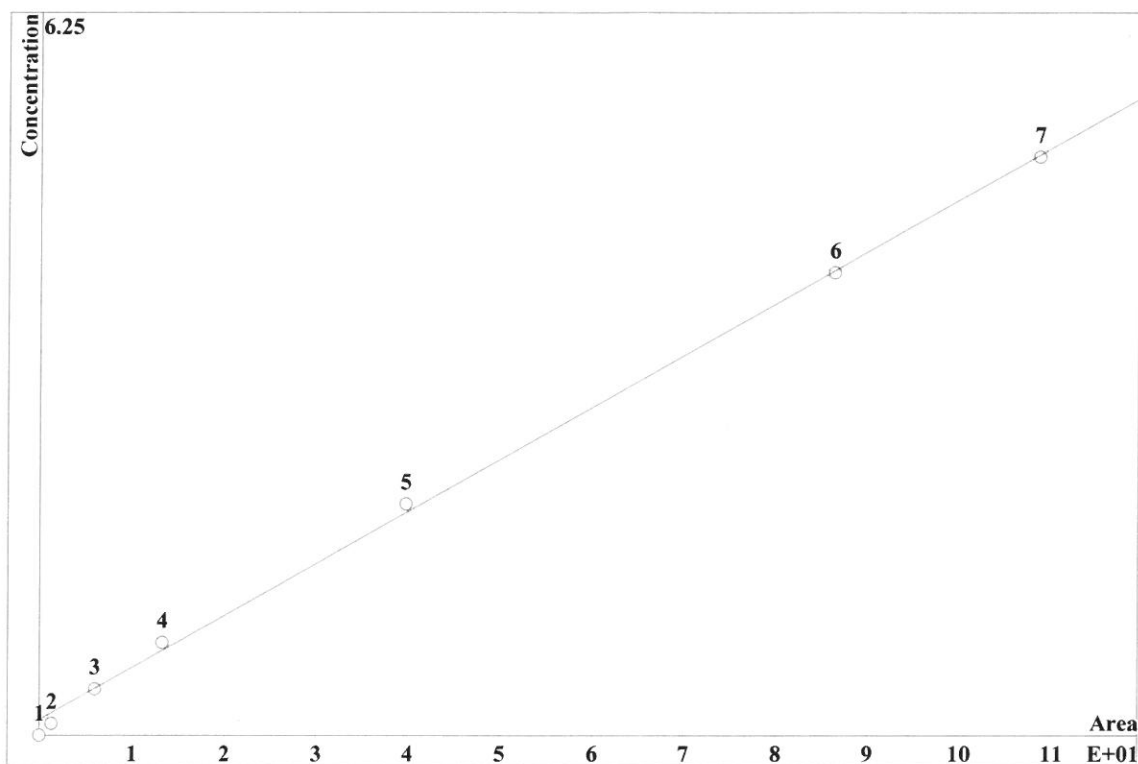
CALIBRATION OF COMPONENT F-

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:

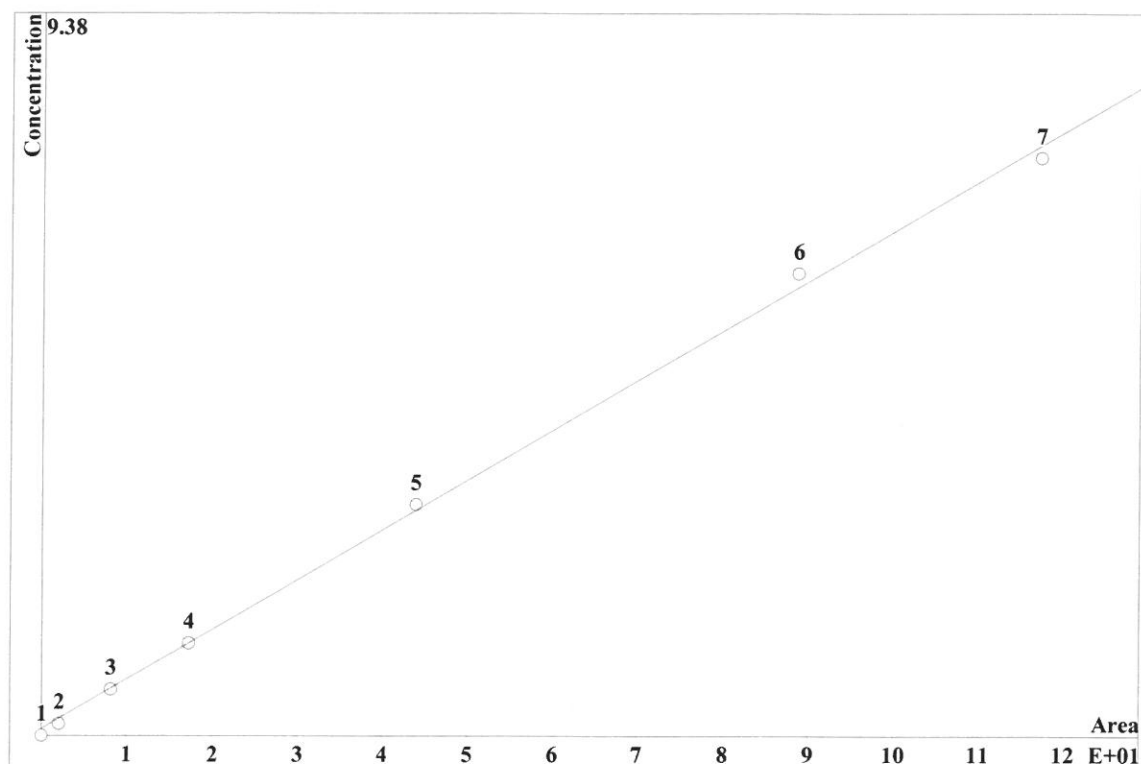
Formula: Linear

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



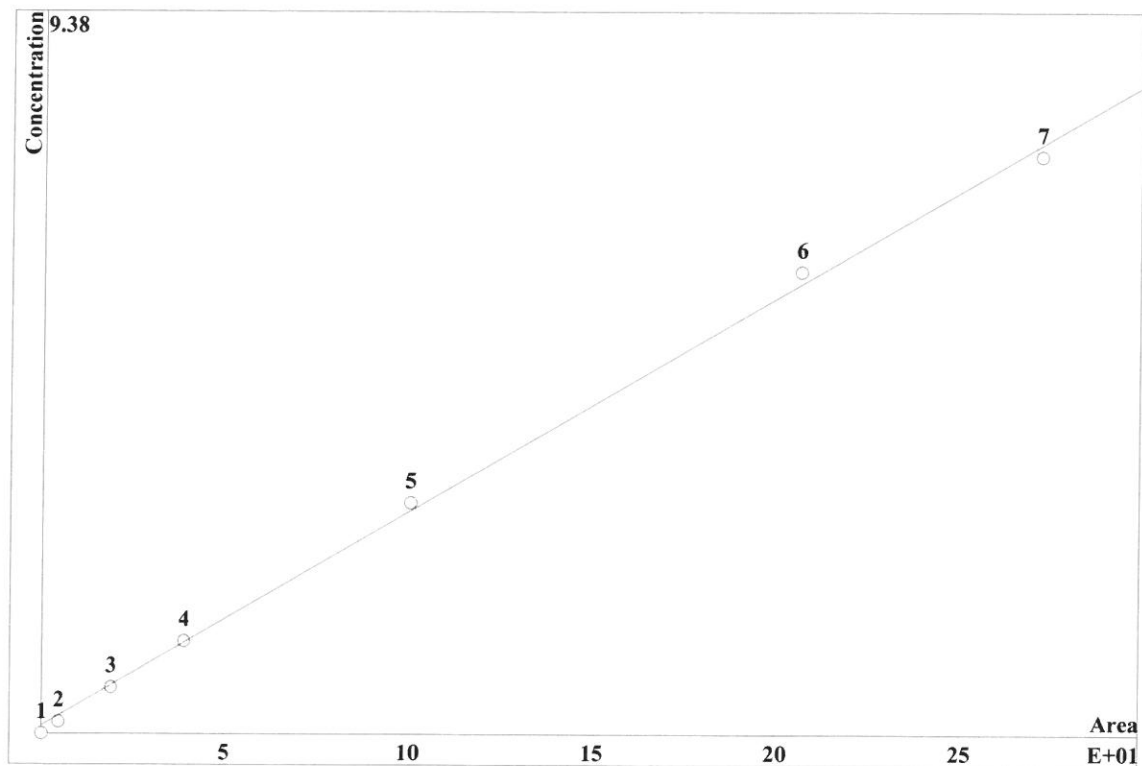
K3 = 0 K2 = 0 K1 = 1.29184 K0 = 1.78813

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

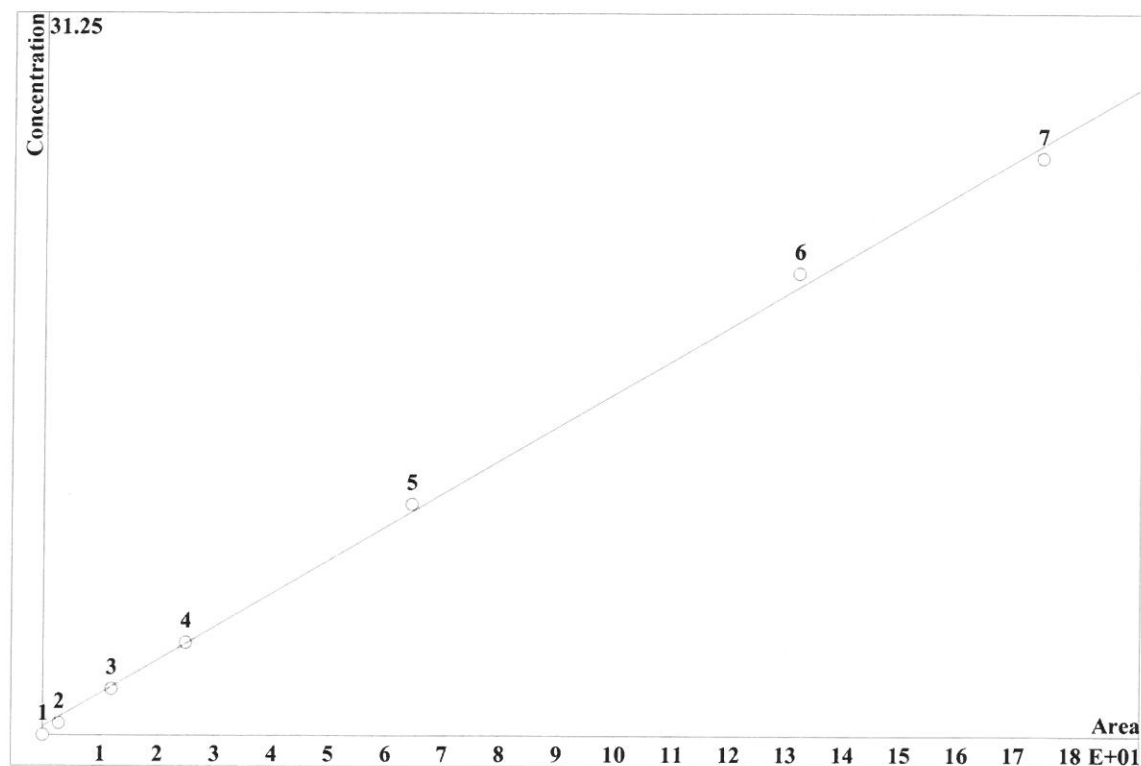


K3 = 0 K2 = 0 K1 = 0.555871 K0 = 2.11184
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

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:

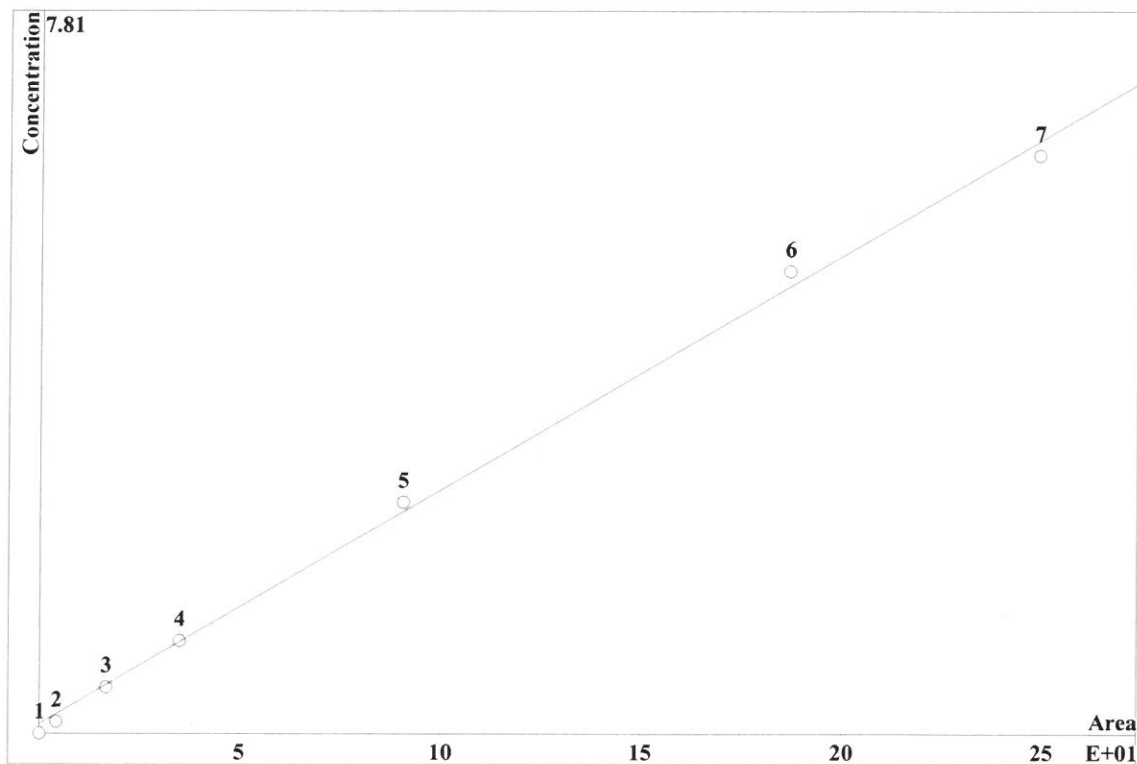
Formula: Linear

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

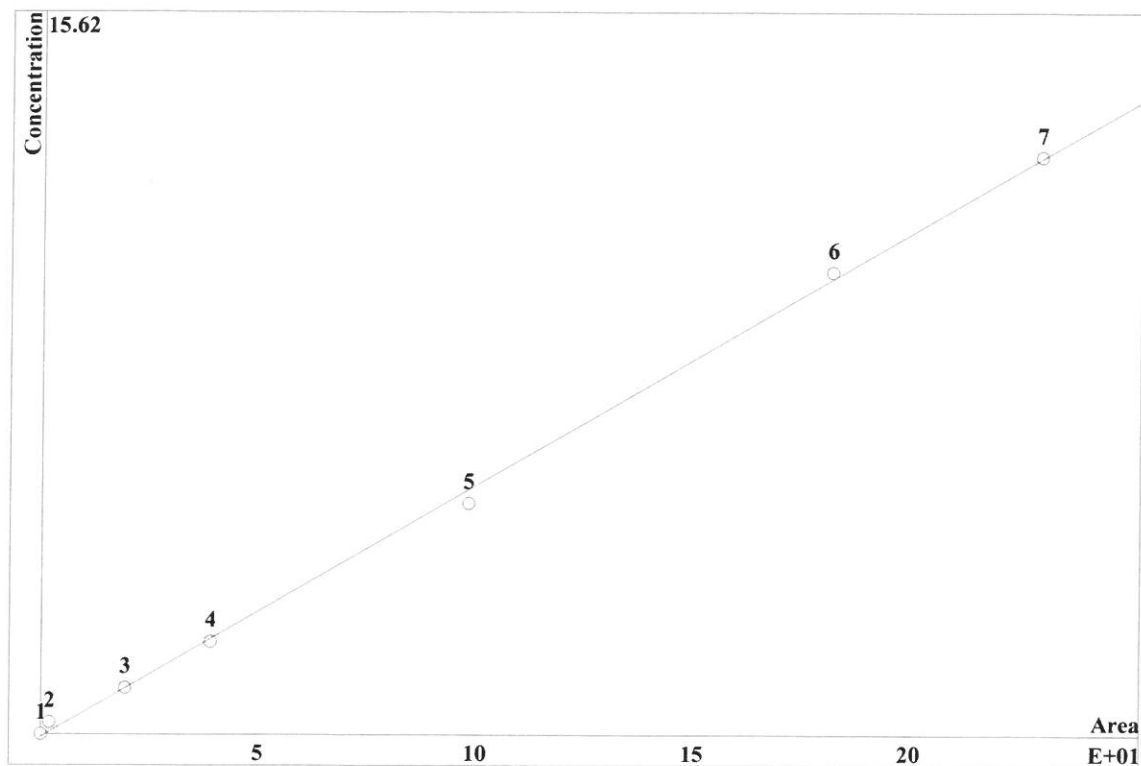
Weight: 1

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



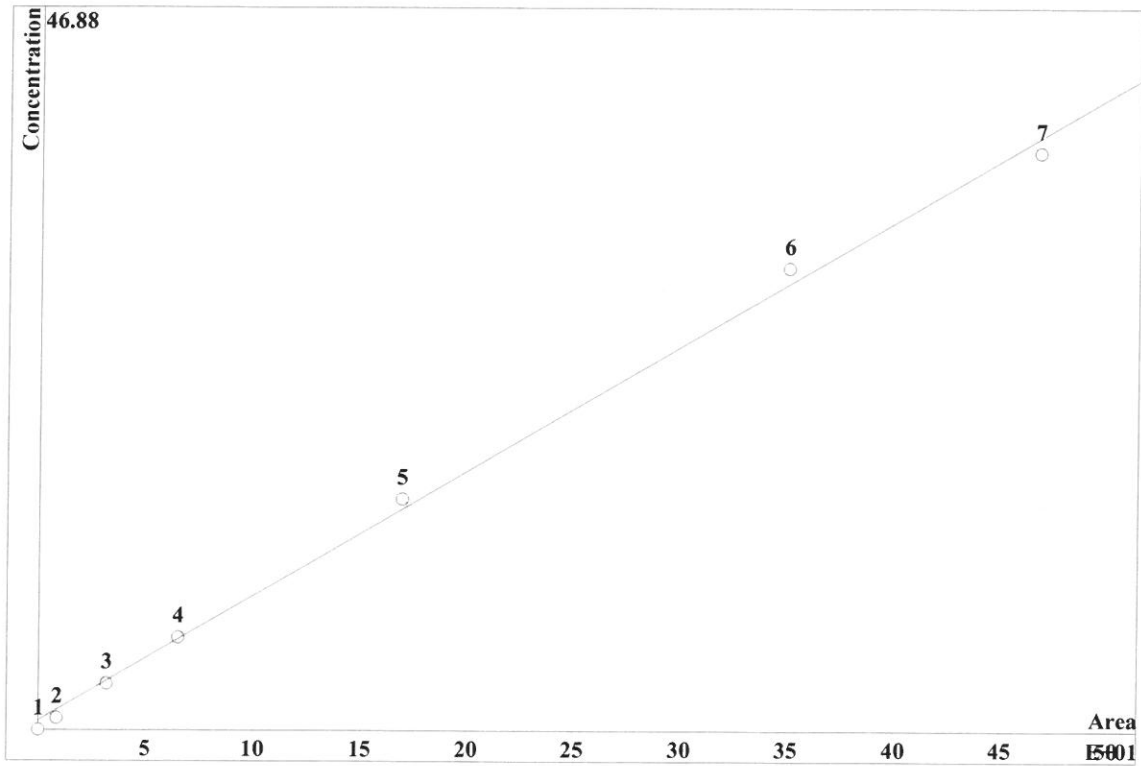
K3 = 0 K2 = 0 K1 = 1.0895 K0 = -1.12689

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

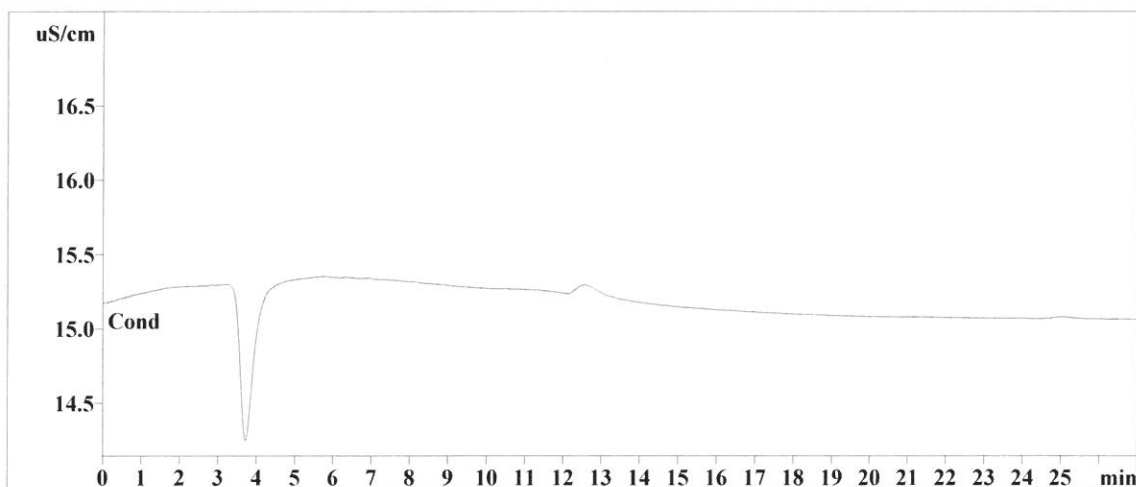
Ident: STD1
Analysis from: 9/4/2018 10:59:17 AM
File: _2018-09-04_

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

This report has been created by IC Net
METROHM LTD

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

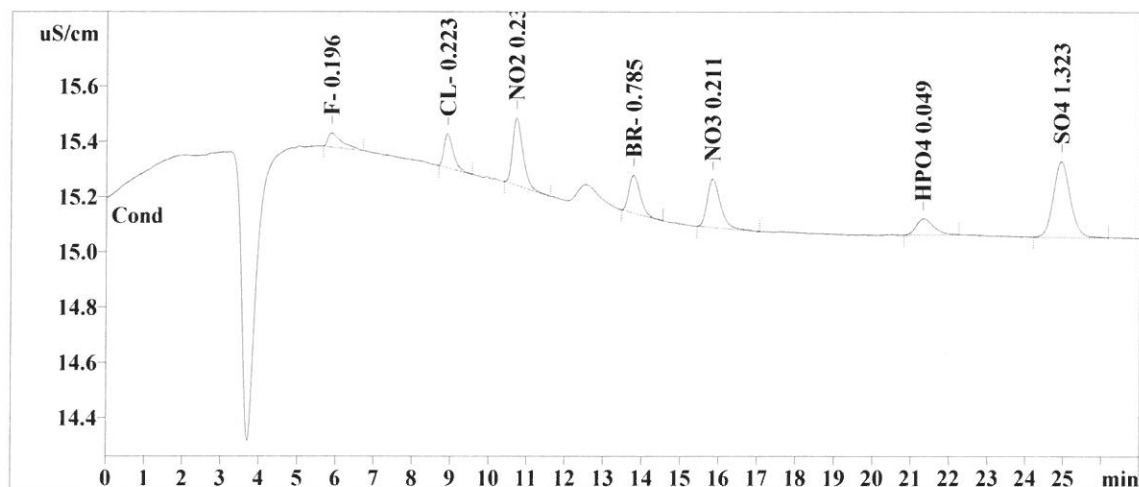
Ident: STD2
Analysis from: 9/4/2018 11:29:12 AM
File: _2018-09-04_

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.

This report has been created by IC Net
METROHM LTD

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

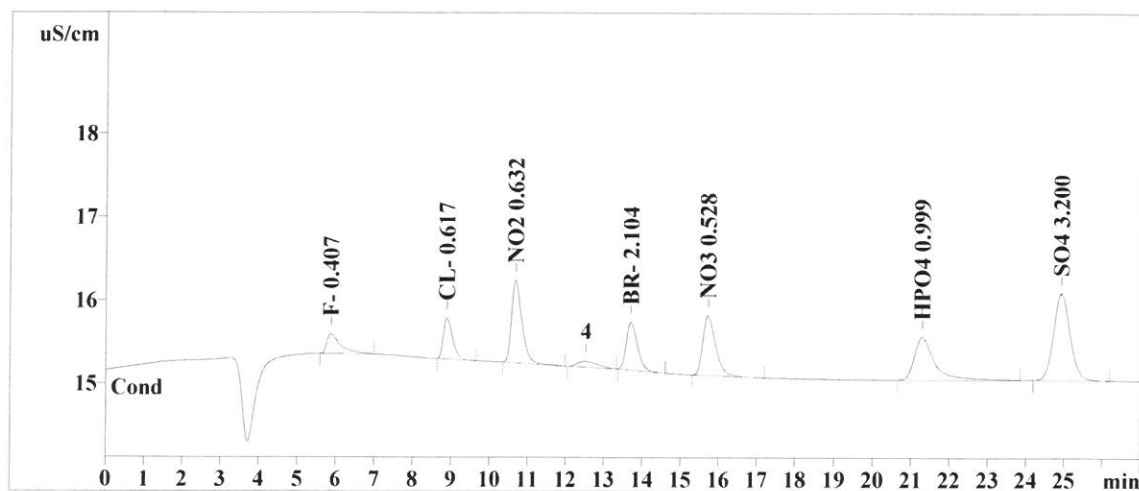
Ident: STD3
Analysis from: 9/4/2018 11:59:07 AM
File: _2018-09-04_

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.

This report has been created by IC Net
METROHM LTD

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

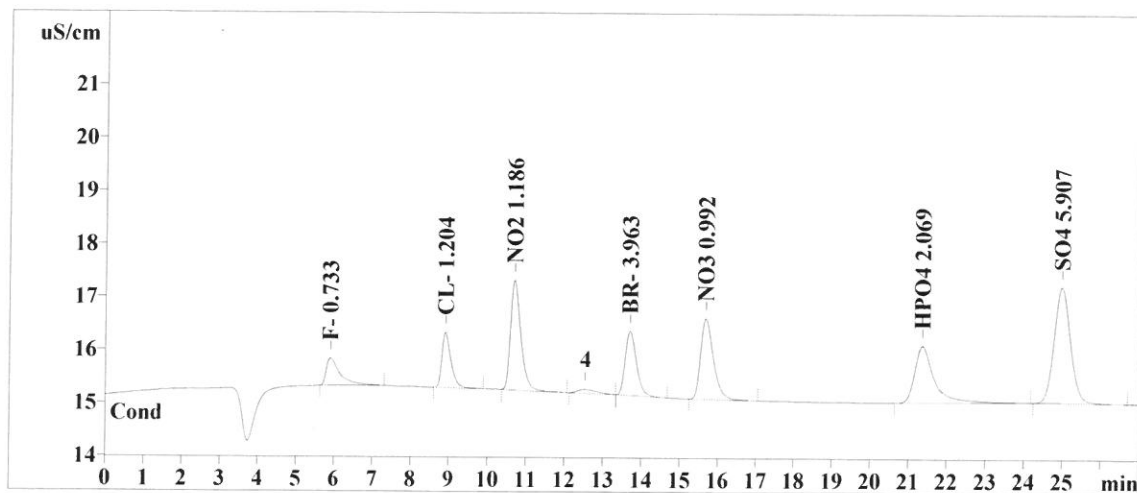
Ident: STD4
Analysis from: 9/4/2018 12:29:02 PM
File: _2018-09-04_

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
METROHM LTD

Report date: 9/6/2018 10:32:47 AM
Printed by: wet

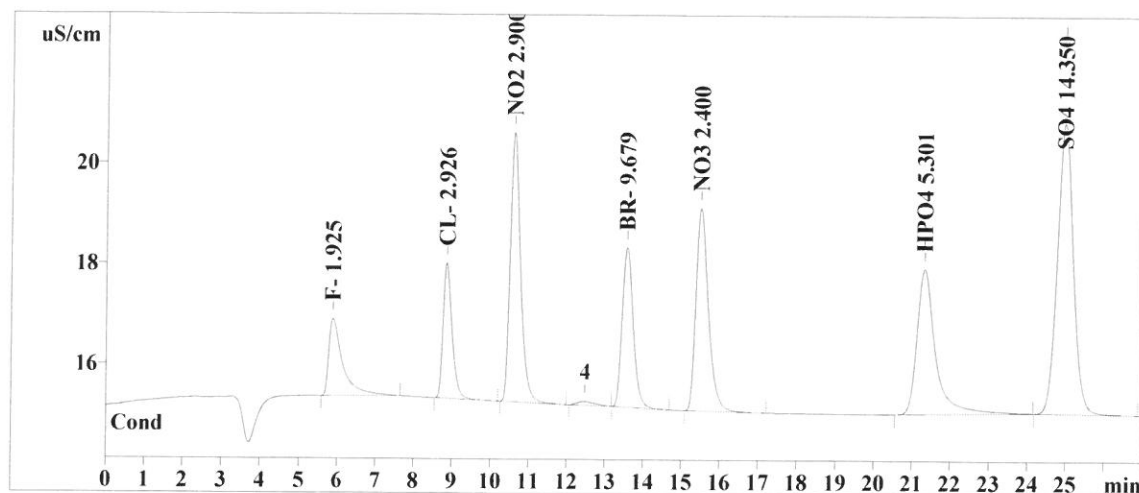
Ident: STD5
Analysis from: 9/4/2018 12:58:58 PM
File: _2018-09-04_

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.

This report has been created by IC Net
METROHM LTD

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

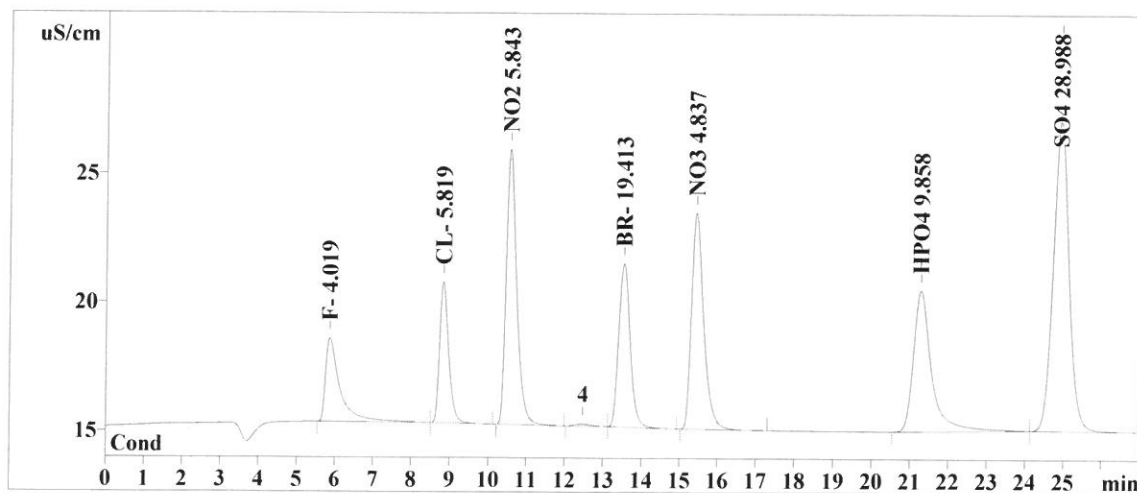
Ident: STD6
Analysis from: 9/4/2018 1:28:53 PM
File: _2018-09-04_

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
METROHM LTD

Report date: 9/6/2018 10:34:30 AM
 Printed by: wet

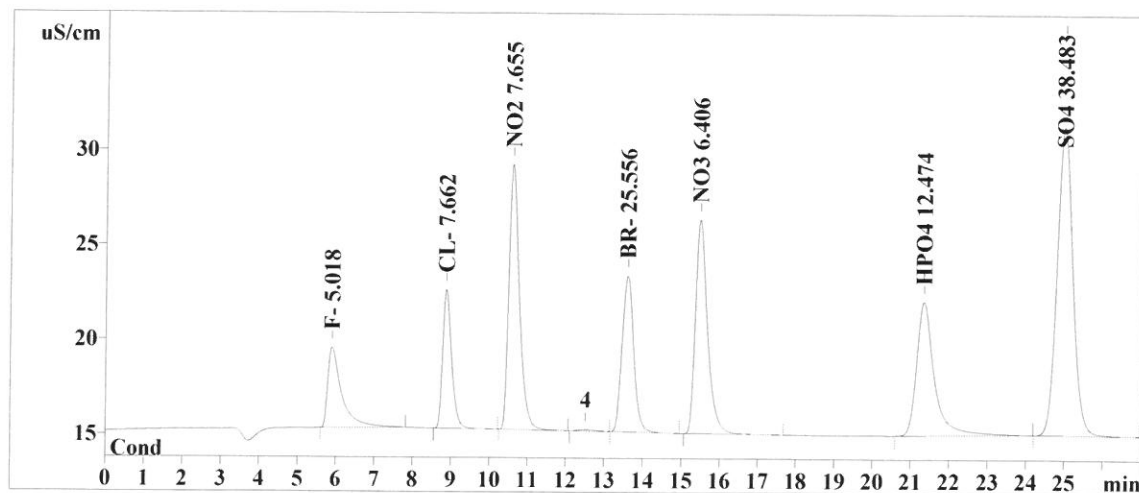
Ident: STD7
 Analysis from: 9/4/2018 1:58:48 PM
 File: _2018-09-04_

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 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	5.89	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
 METROHM LTD

Report date: 9/6/2018 10:35:22 AM
Printed by: wet

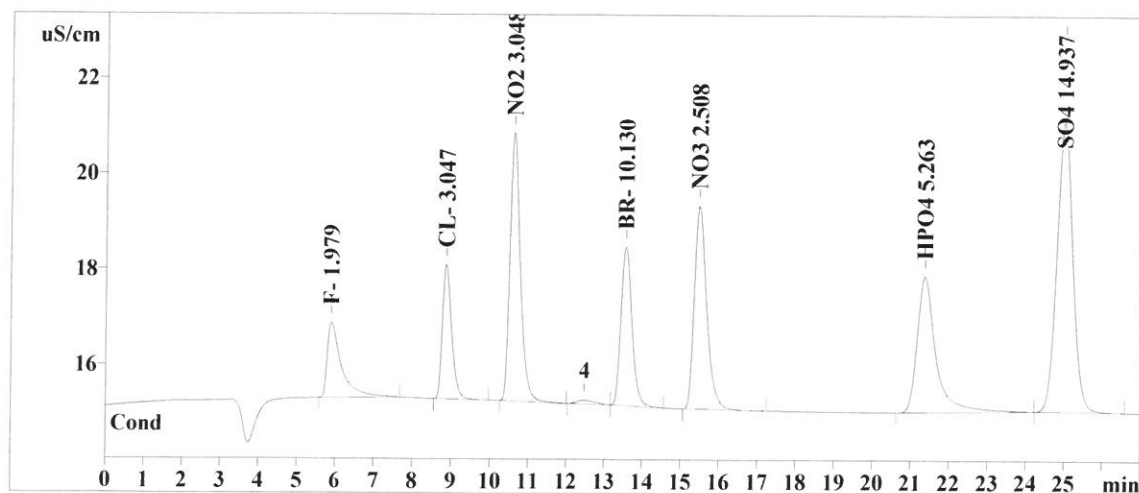
Ident: ICV
Analysis from: 9/4/2018 3:28:33 PM
File: _2018-09-04_

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

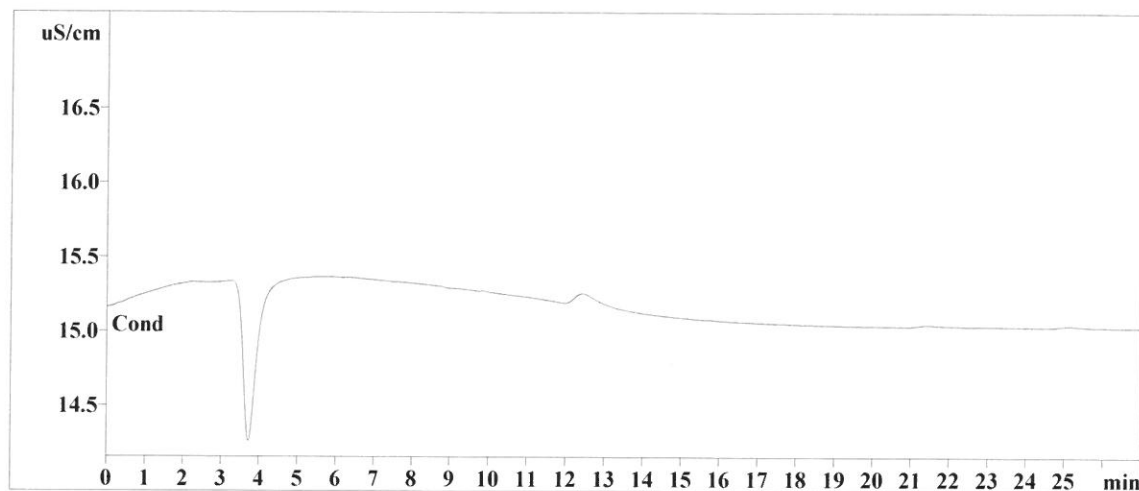
Ident: ICB
Analysis from: 9/4/2018 3:58:28 PM
File: _2018-09-04_

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: 9/13/2018 10:03:18 AM
Printed by: wet

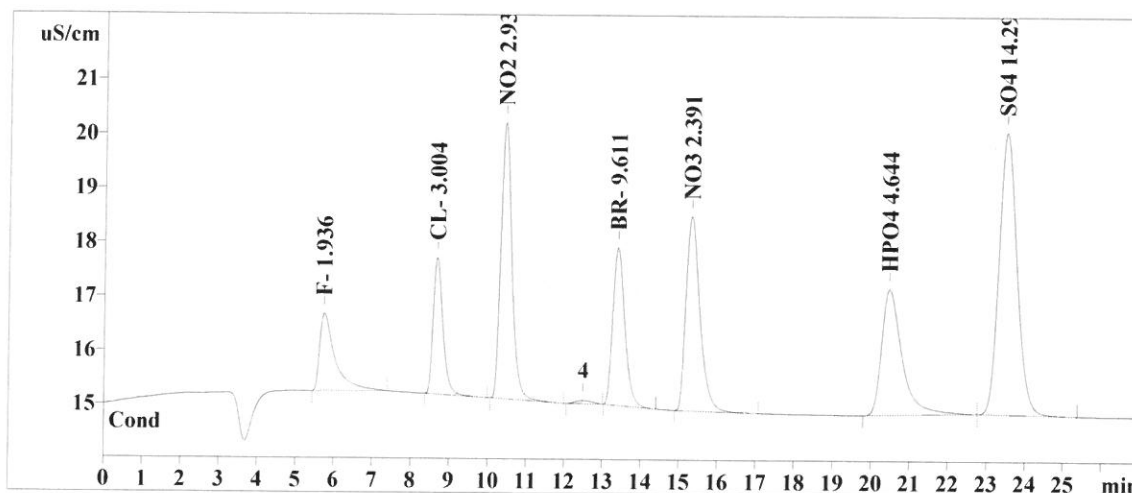
Ident: CCV
Analysis from: 9/12/2018 7:54:39 AM
File: _2018-09-12_

Last save: 9/12/2018 8:21:28 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63775

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	5.74	0.374	1.43	6.18	40.010	6.69	0.
2	8.66	0.271	2.52	10.89	45.124	7.54	0.
3	10.42	0.302	5.10	22.01	101.811	17.02	0.
4	13.38	0.337	2.92	12.60	64.049	10.70	0.
5	15.30	0.381	3.59	15.51	90.328	15.10	0.
6	20.46	0.524	2.33	10.05	86.292	14.42	0.
7	23.49	0.498	5.20	22.48	168.849	28.22	0.
7	27.00	0.384	23.09	99.73	596.464	99.69	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:03:36 AM
Printed by: wet

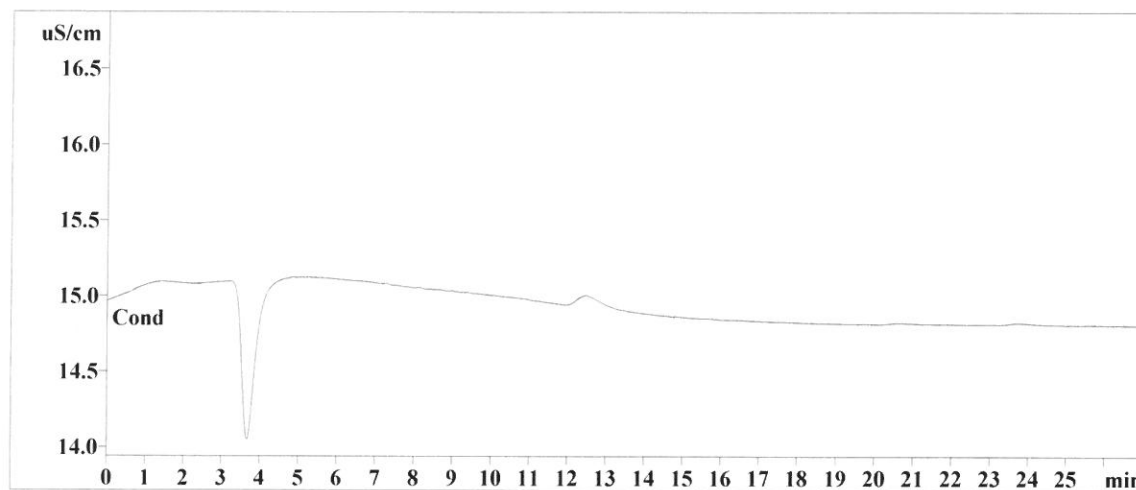
Ident: CCB
Analysis from: 9/12/2018 8:25:50 AM
File: _2018-09-12_

Last save: 9/13/2018 10:03:36 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63776

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: 9/13/2018 10:03:57 AM
Printed by: wet

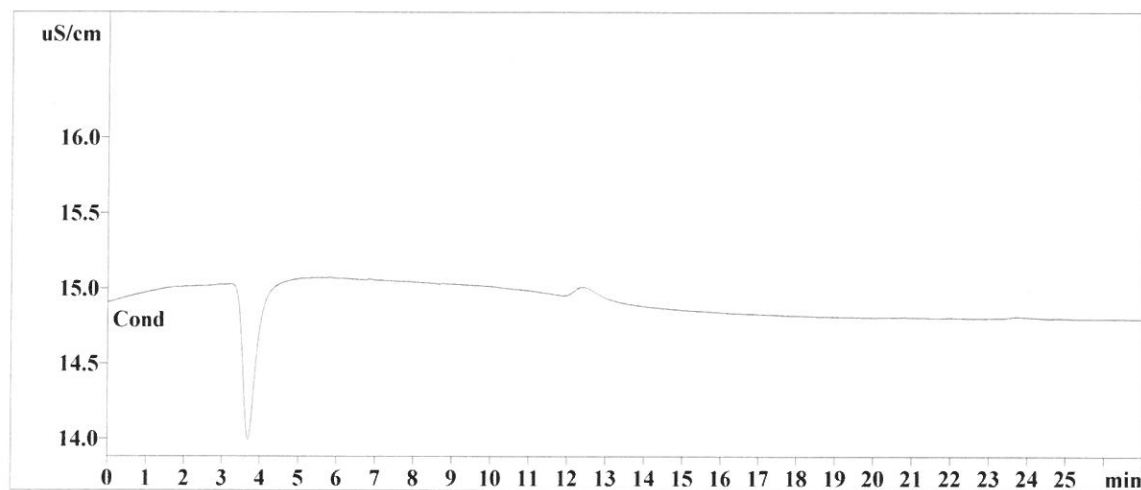
Ident: LB97877BLW
Analysis from: 9/12/2018 8:55:45 AM
File: _2018-09-12_

Last save: 9/13/2018 10:03:56 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63777

Last save: 9/4/2018 2:59:30 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: 9/13/2018 10:04:06 AM
 Printed by: wet

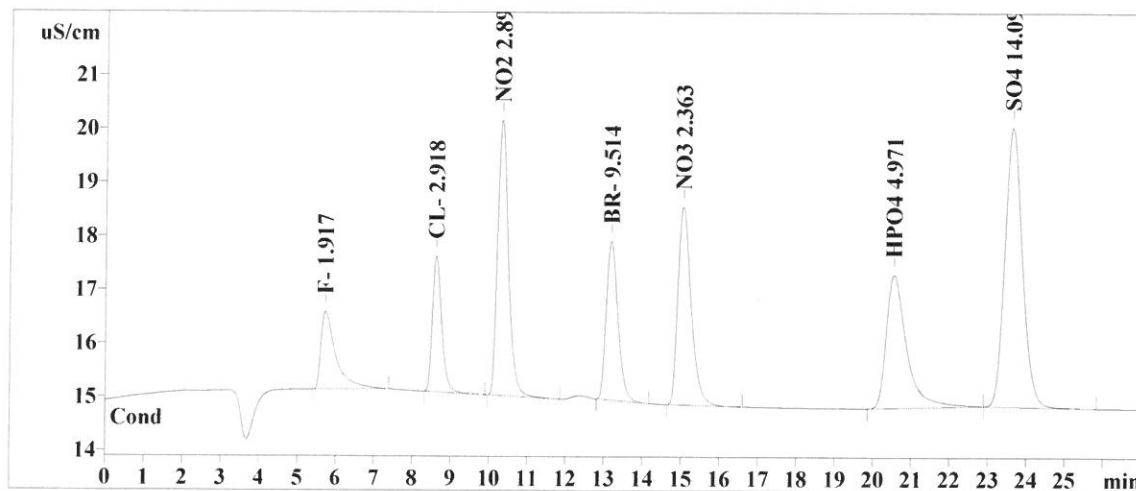
Ident: LB97877BSW
 Analysis from: 9/12/2018 9:25:40 AM
 File: _2018-09-12_

Last save: 9/13/2018 10:03:08 AM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63778

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	5.72	0.369	1.45	6.17	39.576	6.65	0.
2	8.60	0.263	2.53	10.77	43.793	7.36	0.
3	10.31	0.295	5.14	21.91	100.339	16.86	0.
4	13.17	0.330	2.96	12.63	63.374	10.65	0.
5	15.04	0.367	3.69	15.73	89.246	15.00	0.
6	20.53	0.522	2.48	10.59	92.283	15.51	0.
7	23.61	0.491	5.20	22.18	166.349	27.96	0.
7	27.00	0.377	23.45	99.99	594.960	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/13/2018 10:05:08 AM
Printed by: wet

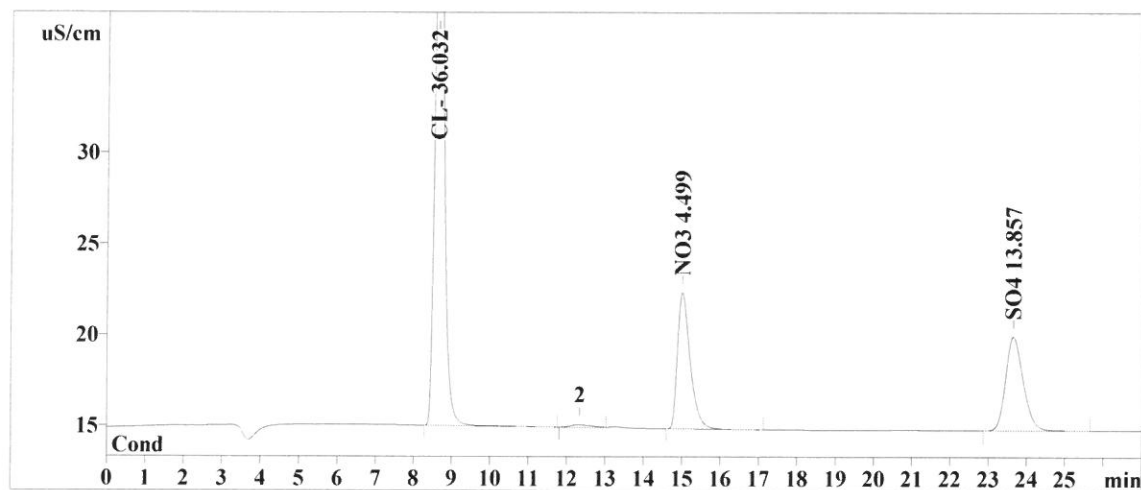
Ident: J4862-01
Analysis from: 9/12/2018 10:03:55 AM
File: _2018-09-12_

Last save: 9/12/2018 1:07:44 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63779

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

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.63	0.244	34.35	72.98	556.449	61.97	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	15.01	0.351	7.46	15.85	173.568	19.33	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.65	0.487	5.13	10.89	163.412	18.20	0.
7	27.00	0.155	46.93	99.73	893.429	99.49	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:05:33 AM
Printed by: wet

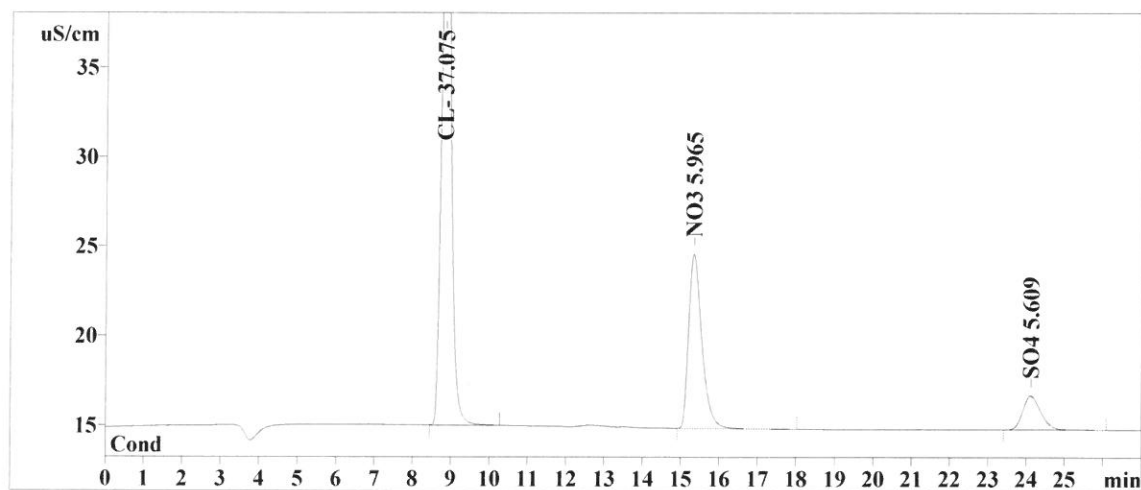
Ident: J4862-02
Analysis from: 9/12/2018 10:33:50 AM
File: _2018-09-12_

Last save: 9/13/2018 10:05:28 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63780

Last save: 9/4/2018 2:59:30 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	8.82	0.248	34.90	75.09	572.600	66.15	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	15.33	0.358	9.69	20.85	231.500	26.74	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	24.12	0.499	1.89	4.06	61.560	7.11	0.
7	27.00	0.158	46.48	100.00	865.660	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:05:43 AM
Printed by: wet

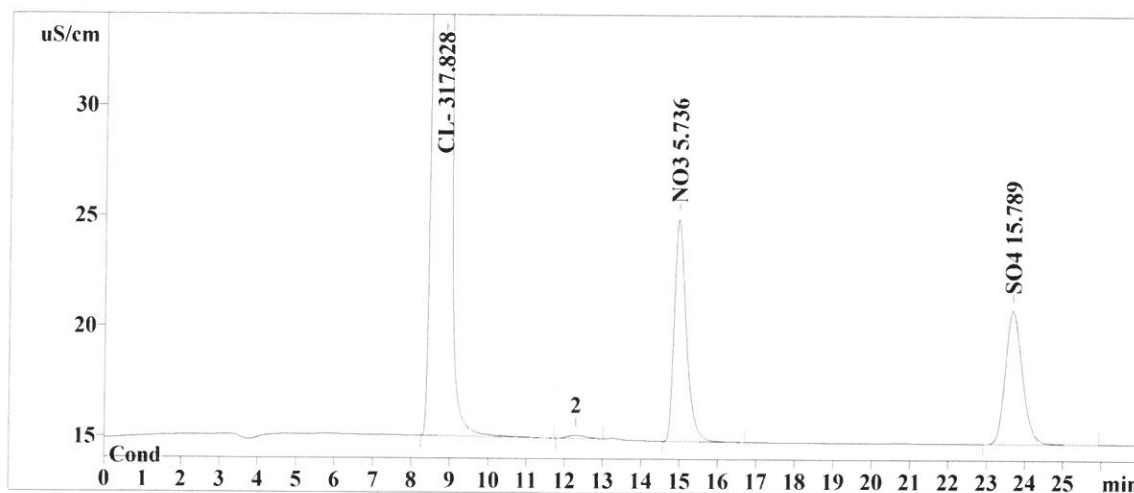
Ident: J4862-03
Analysis from: 9/12/2018 11:03:46 AM
File: _2018-09-12_

Last save: 9/12/2018 1:07:44 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63781

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.82	0.289	272.79	94.37	4919.163	92.22	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	14.96	0.334	10.01	3.46	222.455	4.17	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.67	0.476	6.00	2.08	187.269	3.51	0.
7	27.00	0.157	288.80	99.91	5328.886	99.91	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:05:58 AM
Printed by: wet

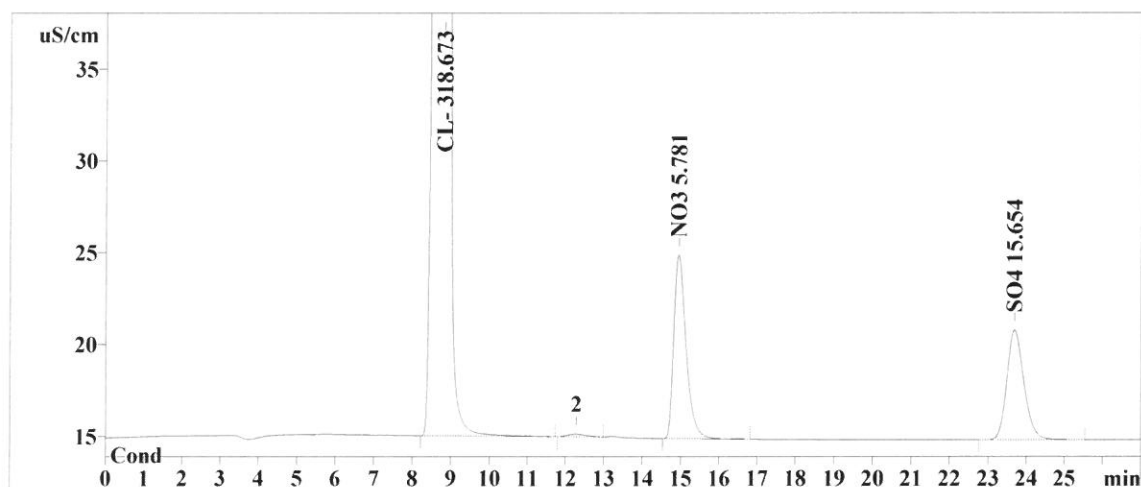
Ident: J4862-03DUP
Analysis from: 9/12/2018 11:33:41 AM
File: _2018-09-12_

Last save: 9/12/2018 1:07:44 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63782

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.81	0.289	273.23	94.40	4932.243	92.25	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	14.94	0.337	9.99	3.45	224.222	4.19	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.68	0.475	5.96	2.06	185.602	3.47	0.
7	27.00	0.157	289.19	99.92	5342.067	99.91	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:06:13 AM
 Printed by: wet

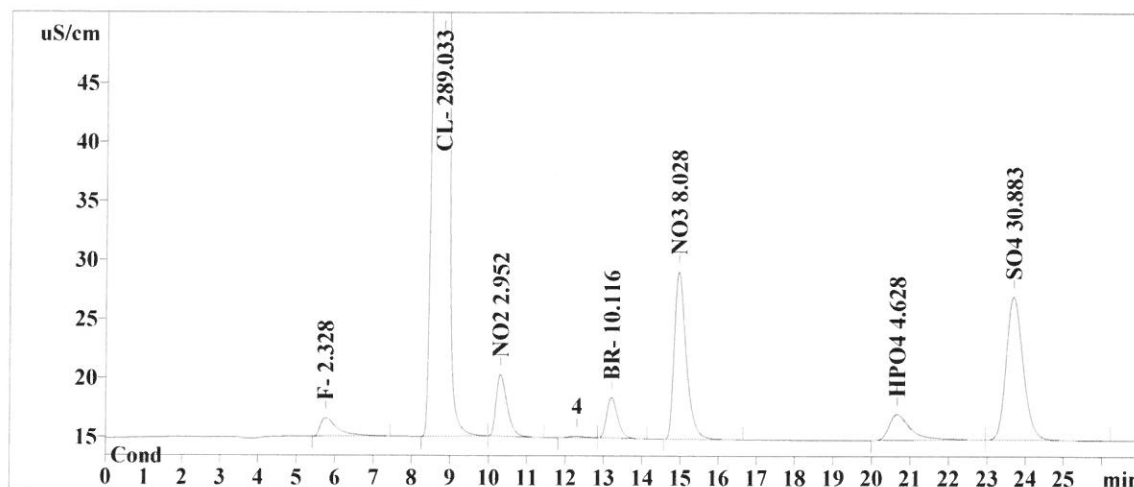
Ident: J4862-03MS
 Analysis from: 9/12/2018 12:03:36 PM
 File: _2018-09-12_

Last save: 9/12/2018 1:07:44 PM

Method: ANIONS 09-04-18.mtw
 Run operator: wet
 Analysis number: 63783

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	5.76	0.432	1.55	0.53	48.722	0.89	0.
2	8.80	0.280	255.05	86.80	4473.360	81.80	0.
3	10.31	0.297	5.21	1.77	102.421	1.87	0.
4	13.20	0.304	3.43	1.17	67.553	1.24	0.
5	14.95	0.331	14.15	4.82	312.972	5.72	0.
6	20.66	0.538	2.18	0.74	85.992	1.57	0.
7	23.68	0.472	12.11	4.12	373.650	6.83	0.
7	27.00	0.379	293.67	99.94	5464.670	99.93	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/13/2018 10:06:26 AM
Printed by: wet

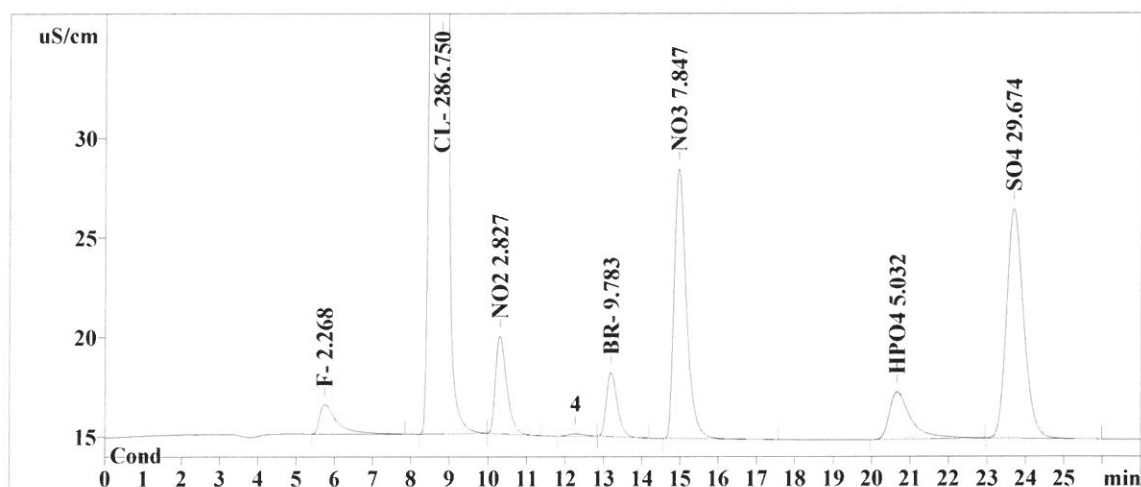
Ident: J4862-03MSD
Analysis from: 9/12/2018 12:33:31 PM
File: _2018-09-12_

Last save: 9/12/2018 1:07:44 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63784

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	5.75	0.425	1.48	0.51	47.386	0.88	0.
2	8.78	0.280	251.69	87.10	4438.019	82.03	0.
3	10.30	0.300	4.90	1.70	97.923	1.81	0.
4	13.19	0.311	3.23	1.12	65.238	1.21	0.
5	14.96	0.338	13.55	4.69	305.818	5.65	0.
6	20.66	0.537	2.37	0.82	93.400	1.73	0.
7	23.68	0.476	11.52	3.99	358.720	6.63	0.
7	27.00	0.381	288.75	99.93	5406.505	99.93	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:06:53 AM
Printed by: wet

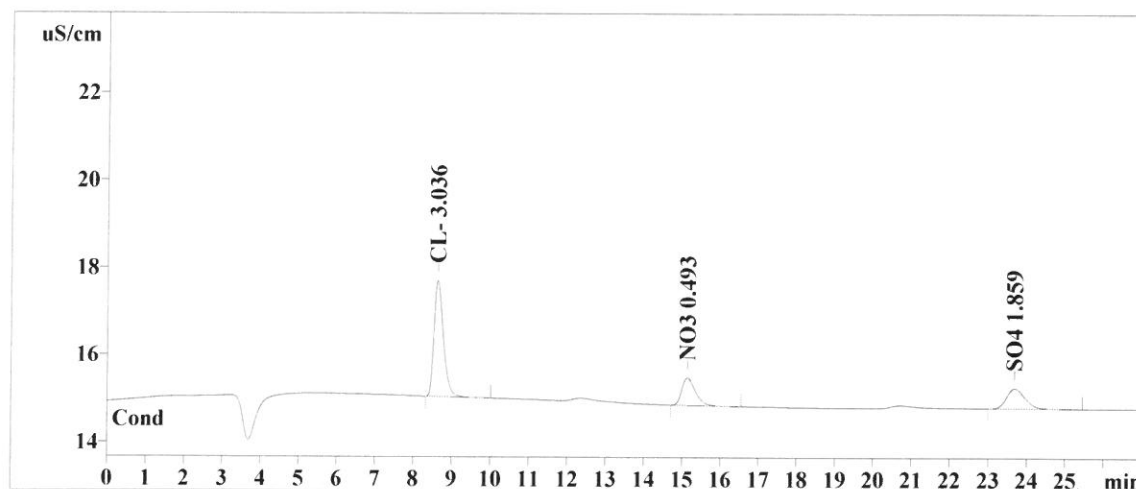
Ident: J4862-01DLX10
Analysis from: 9/12/2018 1:03:26 PM
File: _2018-09-12_

Last save: 9/13/2018 10:06:52 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63785

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	8.63	0.260	2.66	70.97	45.614	59.81	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	15.14	0.374	0.63	16.75	15.395	20.19	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.68	0.508	0.46	12.25	15.258	20.01	0.
7	27.00	0.163	3.74	99.97	76.267	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:07:26 AM
Printed by: wet

Ident: J4862-02DLX10
Analysis from: 9/12/2018 1:33:21 PM
File: _2018-09-12_

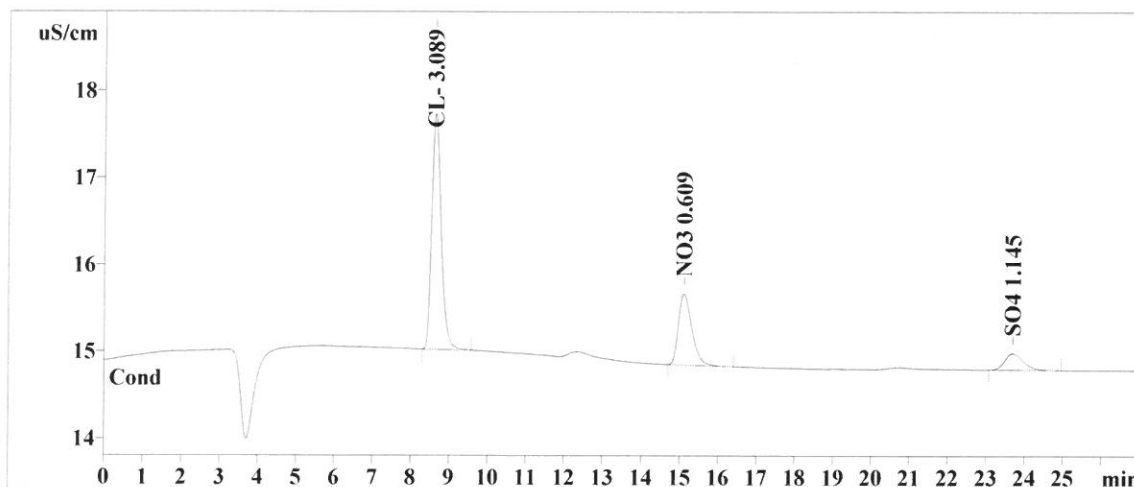
Last save: 9/13/2018 10:07:24 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63786

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

SAMPLE:

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.62	0.260	2.71	72.91	46.439	63.76	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	15.10	0.372	0.82	21.97	19.945	27.39	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.69	0.516	0.19	5.09	6.446	8.85	0.
7	27.00	0.164	3.72	99.96	72.830	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:07:42 AM
Printed by: wet

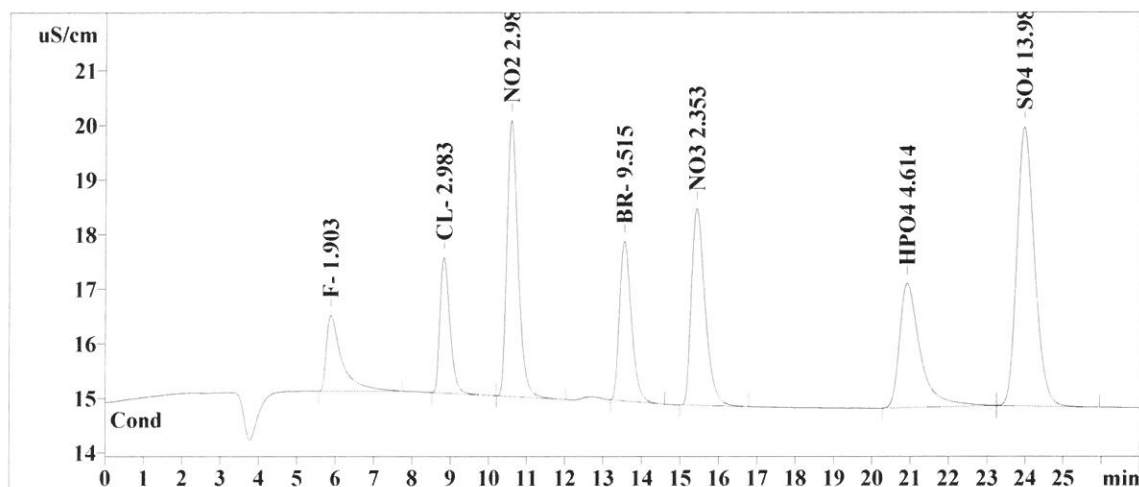
Ident: CCV
Analysis from: 9/12/2018 2:03:16 PM
File: _2018-09-12_

Last save: 9/12/2018 2:30:06 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63787

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	5.88	0.375	1.38	6.06	39.268	6.65	0.
2	8.82	0.274	2.48	10.86	44.792	7.59	0.
3	10.59	0.309	5.06	22.15	103.455	17.52	0.
4	13.55	0.333	2.92	12.81	63.380	10.73	0.
5	15.42	0.374	3.61	15.80	88.836	15.05	0.
6	20.91	0.530	2.27	9.96	85.729	14.52	0.
7	23.97	0.495	5.10	22.35	164.983	27.94	0.
7	27.00	0.384	22.82	99.99	590.444	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:07:59 AM
Printed by: wet

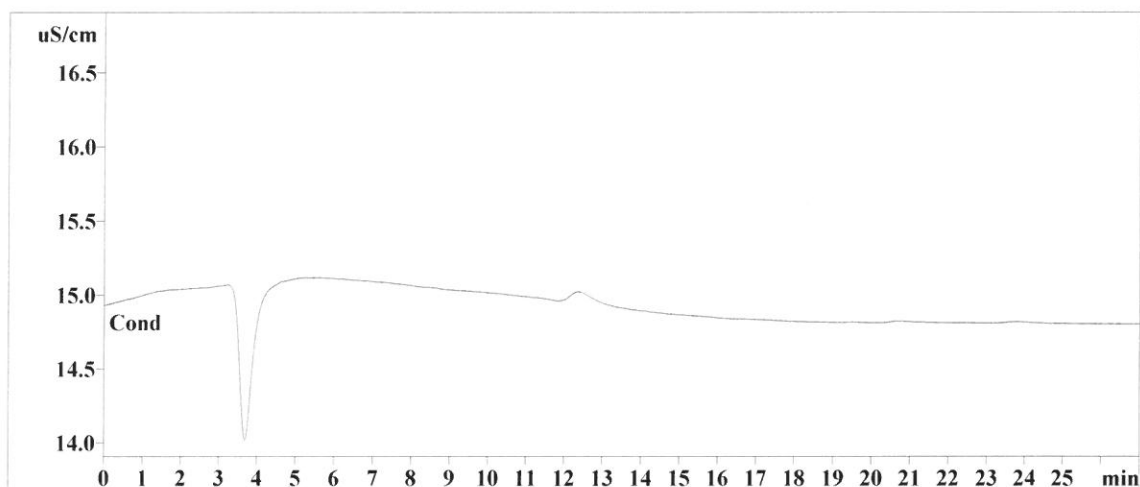
Ident: CCB
Analysis from: 9/12/2018 2:33:11 PM
File: _2018-09-12_

Last save: 9/13/2018 10:07:58 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63788

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: 9/13/2018 10:08:54 AM
Printed by: wet

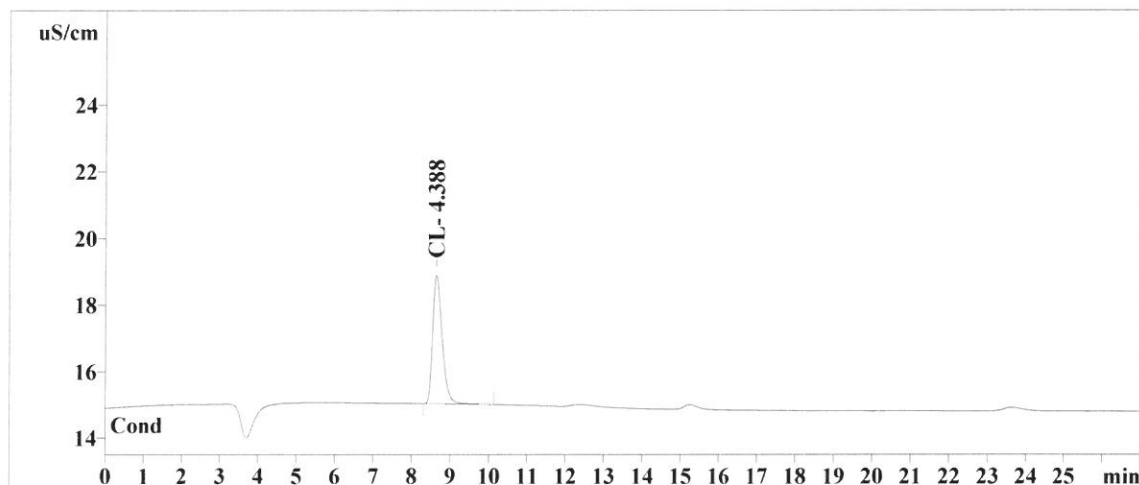
Ident: J4862-03DLX50
Analysis from: 9/12/2018 3:03:06 PM
File: _2018-09-12_

Last save: 9/13/2018 10:08:56 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63789

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

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.64	0.260	3.86	100.00	66.543	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	27.00	0.037	3.86	100.00	66.543	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:09:04 AM
Printed by: wet

Ident: DOC-1
Analysis from: 9/12/2018 4:32:51 PM
File: _2018-09-12_

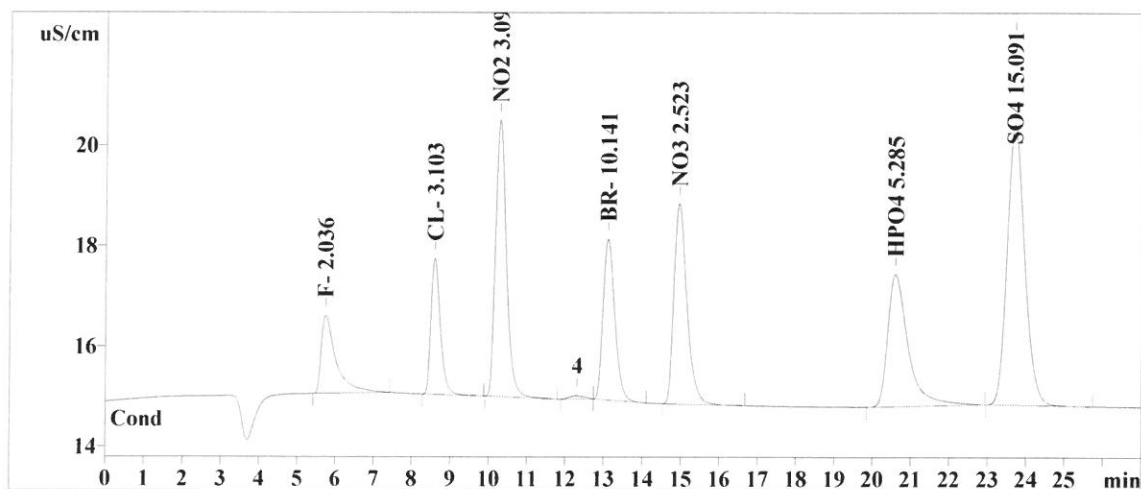
Last save: 9/12/2018 4:59:40 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63792

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	5.74	0.362	1.55	6.15	42.239	6.62	0.
2	8.59	0.261	2.71	10.73	46.656	7.31	0.
3	10.27	0.295	5.50	21.81	107.380	16.83	0.
4	13.10	0.326	3.20	12.68	67.725	10.62	0.
5	14.94	0.363	3.99	15.81	95.562	14.98	0.
6	20.59	0.523	2.63	10.43	98.044	15.37	0.
7	23.68	0.490	5.59	22.14	178.651	28.00	0.
7	27.00	0.375	25.16	99.75	636.257	99.73	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:09:11 AM
Printed by: wet

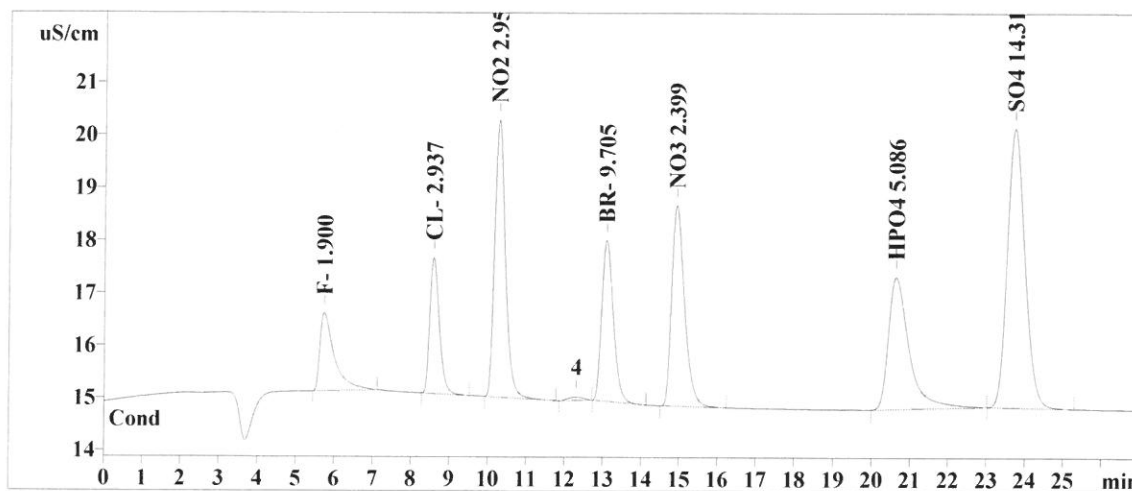
Ident: DOC-2
Analysis from: 9/12/2018 5:02:46 PM
File: _2018-09-12_

Last save: 9/12/2018 5:29:36 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63793

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	5.74	0.360	1.49	6.17	39.199	6.46	0.
2	8.58	0.260	2.58	10.72	44.080	7.27	0.
3	10.27	0.295	5.26	21.85	102.515	16.91	0.
4	13.09	0.325	3.06	12.72	64.695	10.67	0.
5	14.92	0.362	3.81	15.83	90.667	14.95	0.
6	20.63	0.526	2.51	10.42	94.403	15.57	0.
7	23.72	0.490	5.30	22.01	169.029	27.88	0.
7	27.00	0.374	24.00	99.72	604.589	99.70	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:09:17 AM
Printed by: wet

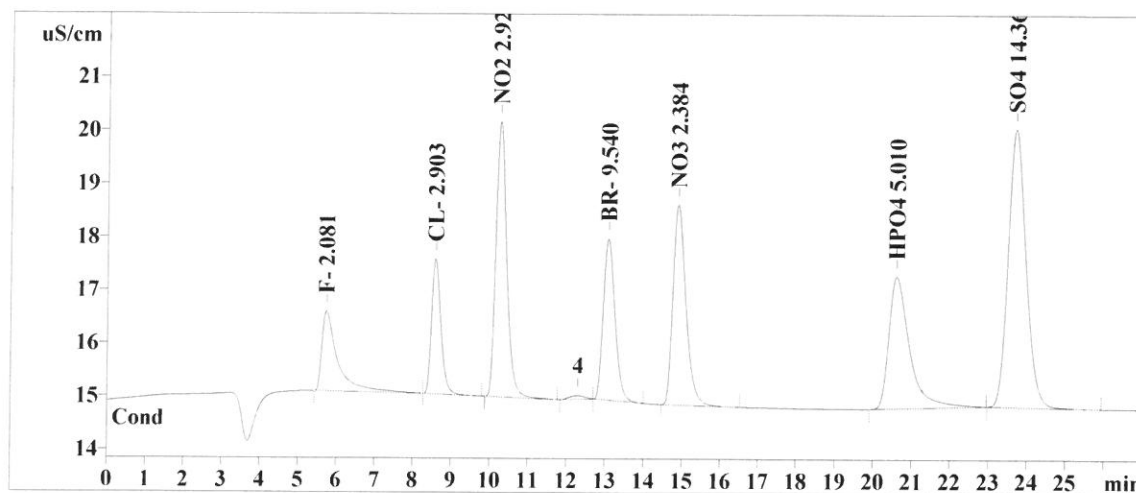
Ident: DOC-3
Analysis from: 9/12/2018 5:32:41 PM
File: _2018-09-12_

Last save: 9/12/2018 5:59:30 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63794

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	5.73	0.364	1.50	6.31	43.238	7.13	0.
2	8.57	0.261	2.54	10.68	43.567	7.19	0.
3	10.25	0.296	5.17	21.74	101.315	16.71	0.
4	13.06	0.323	3.03	12.74	63.554	10.48	0.
5	14.88	0.363	3.76	15.83	90.077	14.86	0.
6	20.59	0.524	2.48	10.45	93.004	15.34	0.
7	23.68	0.498	5.22	21.96	169.628	27.98	0.
7	27.00	0.376	23.70	99.71	604.382	99.70	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:09:25 AM
Printed by: wet

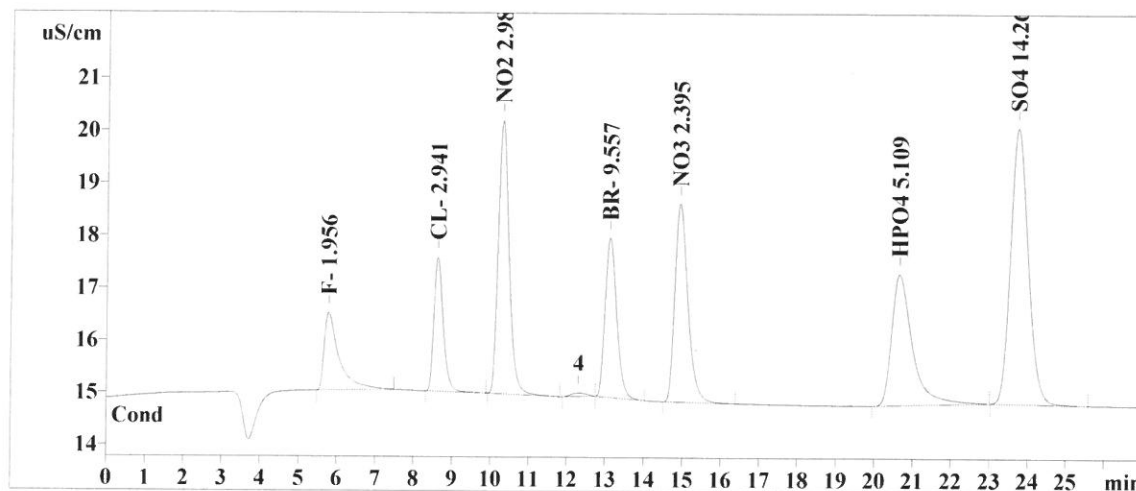
Ident: DOC-4
Analysis from: 9/12/2018 6:02:36 PM
File: _2018-09-12_

Last save: 9/12/2018 6:29:26 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63795

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	5.77	0.364	1.48	6.19	40.453	6.66	0.
2	8.61	0.262	2.56	10.69	44.147	7.27	0.
3	10.29	0.302	5.21	21.79	103.724	17.07	0.
4	13.11	0.322	3.04	12.73	63.673	10.48	0.
5	14.92	0.364	3.78	15.82	90.490	14.89	0.
6	20.64	0.530	2.51	10.48	94.817	15.61	0.
7	23.72	0.491	5.26	21.99	168.383	27.71	0.
7	27.00	0.376	23.84	99.70	605.686	99.69	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:09:34 AM
Printed by: wet

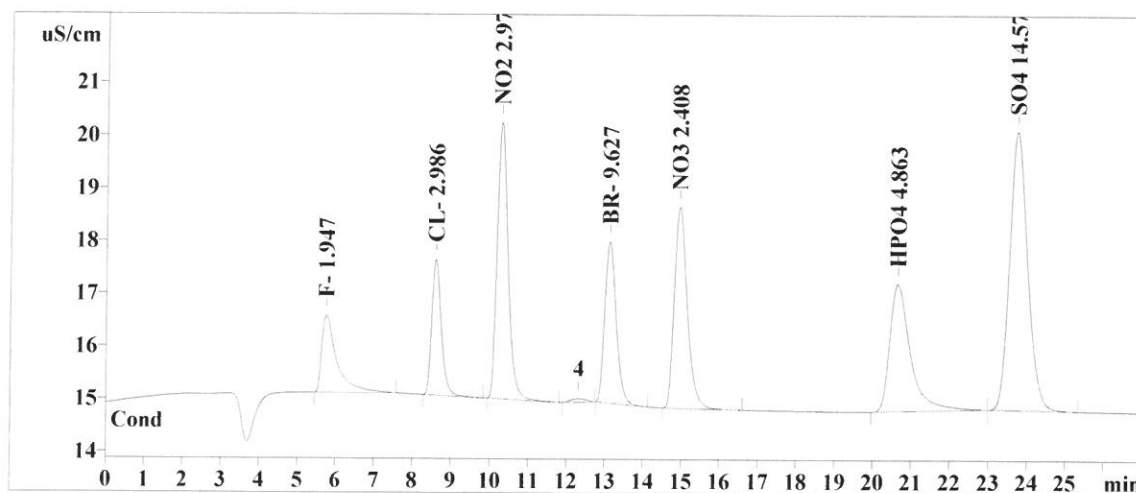
Ident: CCV
Analysis from: 9/12/2018 6:32:31 PM
File: _2018-09-12_

Last save: 9/12/2018 6:59:20 PM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63796

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	5.75	0.363	1.46	6.13	40.257	6.62	0.
2	8.59	0.264	2.57	10.77	44.849	7.38	0.
3	10.28	0.297	5.24	21.92	103.161	16.97	0.
4	13.11	0.323	3.06	12.81	64.160	10.55	0.
5	14.93	0.363	3.81	15.93	91.007	14.97	0.
6	20.63	0.527	2.41	10.08	90.310	14.86	0.
7	23.71	0.498	5.28	22.07	172.287	28.34	0.
7	27.00	0.377	23.84	99.71	606.030	99.69	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/13/2018 10:09:50 AM
Printed by: wet

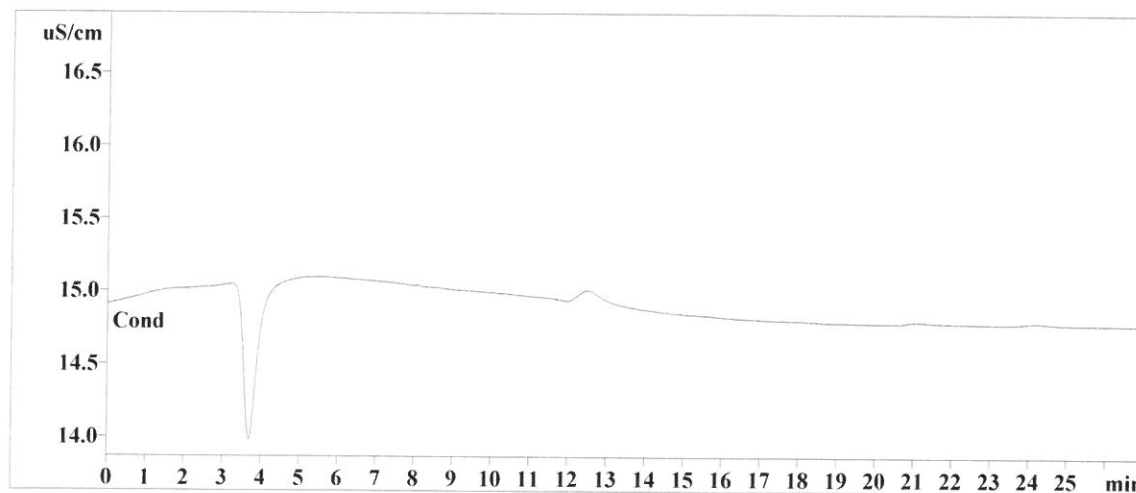
Ident: CCB
Analysis from: 9/12/2018 7:02:26 PM
File: _2018-09-12_

Last save: 9/13/2018 10:09:50 AM

Method: ANIONS 09-04-18.mtw
Run operator: wet
Analysis number: 63797

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