

IC-4 3000
12-19-19 AK

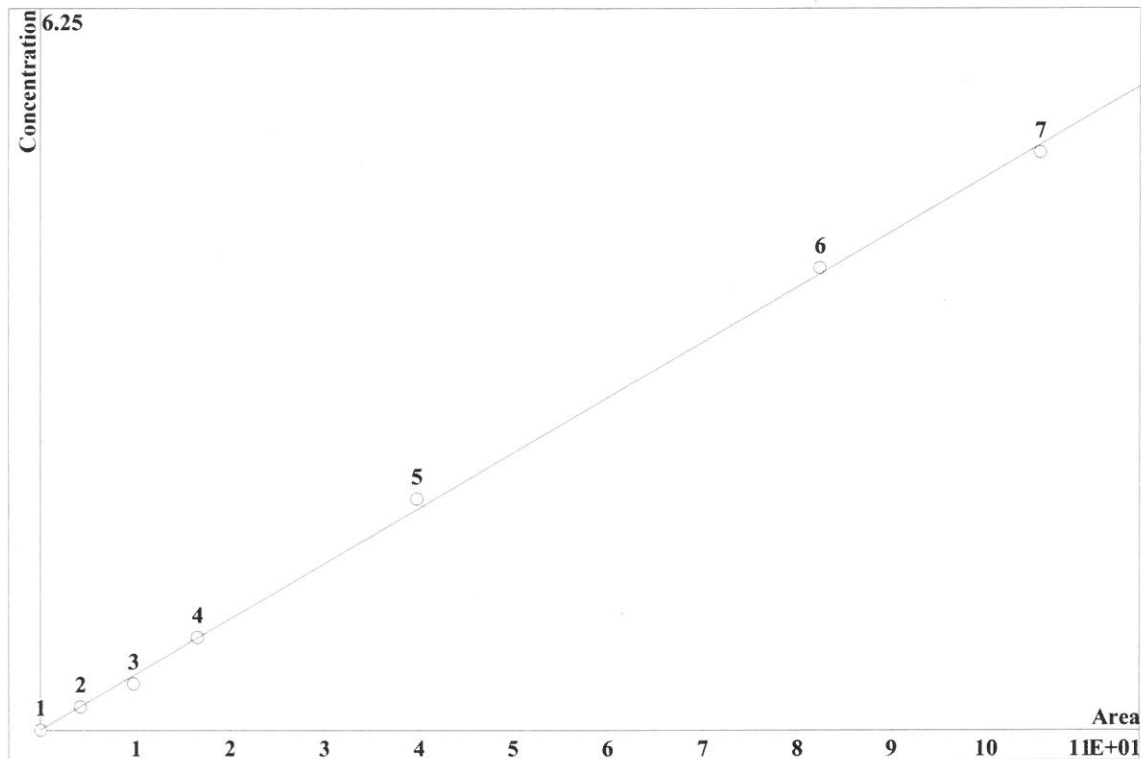
Clear table

ident	concentra tion 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 Vol	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-16_	12/16/19 11:17		AK/AP
STD2	0.2520	0.3770	0.3800	1.2100	0.3130	0.4440	1.7710	2019-12-16_	12/16/19 11:48		AK/AP
STD3	0.4940	0.6680	0.6790	2.2290	0.5610	1.0630	3.2740	2019-12-16_	12/16/19 12:19		AK/AP
STD4	0.7860	1.2330	1.2370	4.1380	1.0240	2.0760	6.0520	2019-12-16_	12/16/19 12:50		AK/AP
STD5	1.8710	2.7990	2.7960	9.3490	2.3300	4.6090	13.6100	2019-12-16_	12/16/19 13:21		AK/AP
STD6	3.8720	5.7350	5.7600	19.0350	4.7690	9.2640	28.0670	2019-12-16_	12/16/19 13:52		AK/AP
STD7	5.0680	7.6460	7.6380	25.4860	6.3500	12.7010	38.2530	2019-12-16_	12/16/19 14:23		AK/AP
ICV	2.0320	2.9440	2.9180	9.8050	2.4560	5.1370	14.8550	2019-12-16_	12/16/19 14:57		AK/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-16_	12/16/19 15:46		AK/AP
CCV	1.9780	2.9210	2.8990	9.5870	2.3830	4.4720	13.6320	2019-12-18_	12/18/19 13:21		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-18_	12/18/19 14:11		AK/AP
LB106826BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-18_	12/18/19 14:42		AK/AP
LB106826BSW	1.9730	2.9150	2.8980	9.6100	2.3900	4.7150	13.7350	2019-12-18_	12/18/19 15:13		AK/AP
K6369-01	0.2170	306.6030	0.0000	0.0000	3.1700	0.0000	37.5520	2019-12-18_	12/18/19 15:45		AK/AP
K6369-04	0.4130	107.2910	0.0000	0.0000	3.5380	0.0000	20.1850	2019-12-18_	12/18/19 16:15		AK/AP
K6369-02	0.1510	44.8310	0.0000	0.0000	0.7270	0.0000	6.3760	2019-12-18_	12/18/19 16:46		AK/AP
K6369-03	0.1790	44.5110	0.0000	0.0000	0.7460	0.0000	6.2490	2019-12-18_	12/18/19 17:17		AK/AP
K6364-01	0.0000	0.1890	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-18_	12/18/19 17:48		AK/AP
K6364-02	0.0000	0.1000	0.0000	0.0000	0.0830	0.0000	0.0000	2019-12-18_	12/18/19 18:19		AK/AP
K6364-03	0.1330	0.5480	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-18_	12/18/19 18:50		AK/AP
K6364-03DUP	0.1650	0.4640	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-18_	12/18/19 19:21		AK/AP
CCV	2.0600	2.9460	2.9250	9.6580	2.4220	4.7040	13.7570	2019-12-18_	12/18/19 19:52		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-18_	12/18/19 20:23		AK/AP
K6364-03MS	2.1170	3.4260	3.0110	9.9330	2.4990	4.6540	14.2180	2019-12-18_	12/18/19 20:54		AK/AP
K6364-03MSD	2.1410	3.2890	2.8950	9.5520	2.3990	4.5080	13.5570	2019-12-18_	12/18/19 21:25		AK/AP
K6369-01DLX2	0.0000	143.2420	0.0000	0.0000	1.5750	0.0000	18.1030	2019-12-18_	12/18/19 21:55		AK/AP
K6369-01DLX50	0.0000	4.0440	0.0000	0.0000	0.0000	0.0000	0.9410	2019-12-18_	12/18/19 22:26		AK/AP
K6369-04DLX20	0.0000	3.9410	0.0000	0.0000	0.1910	0.0000	1.2170	2019-12-18_	12/18/19 22:57		AK/AP
K6369-02DLX10	0.0000	3.8130	0.0000	0.0000	0.0000	0.0000	0.8750	2019-12-18_	12/18/19 23:28		AK/AP
K6369-03DLX10	0.0000	3.8090	0.0000	0.0000	0.0000	0.0000	0.8840	2019-12-18_	12/18/19 23:59		AK/AP
CCV	2.0470	3.0000	2.9430	9.6850	2.4310	4.7090	13.7350	2019-12-19_	12/19/19 0:30		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-19_	12/19/19 1:01		AK/AP

Cal
12-16-19
AK

CALIBRATION OF COMPONENT F-

Method: ANIONS 12-16-19.mtw
Equation: $Q = 0.957978 \cdot A + 0.0694985$
RSD: 3.501 %
Correlation coefficient: 0.999482



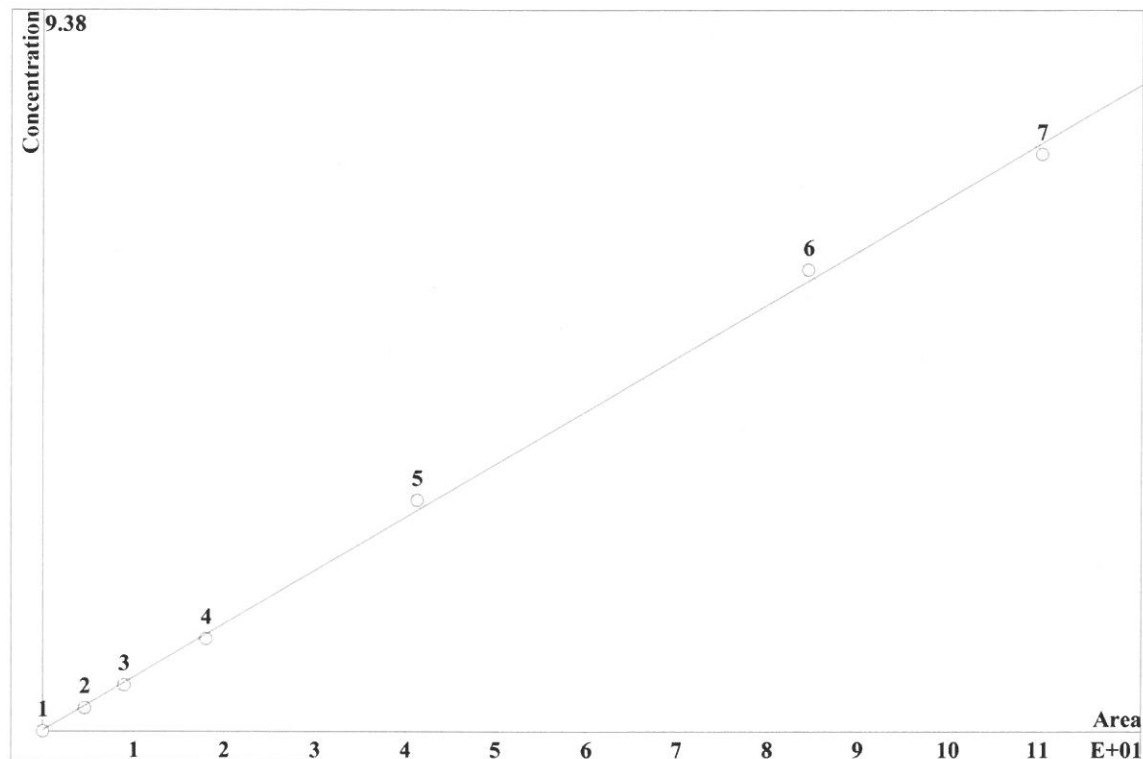
K3 = 0 K2 = 0 K1 = 0.957978 K0 = 0.0694985

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	0.1111	4.213	0.2	20	5.943			Yes
3	0.2355	9.78	0.4	20	5.943			Yes
4	0.4676	16.59	0.8	20	5.943			Yes
5	1.187	39.75	2	20	5.943			Yes
6	2.689	82.37	4	20	5.943			Yes
7	3.467	105.7	5	20	5.943			Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 12-16-19.mtw
 Equation: $Q = 1.38278 \cdot A + 0.318175$
 RSD: 4.136 %
 Correlation coefficient: 0.999277



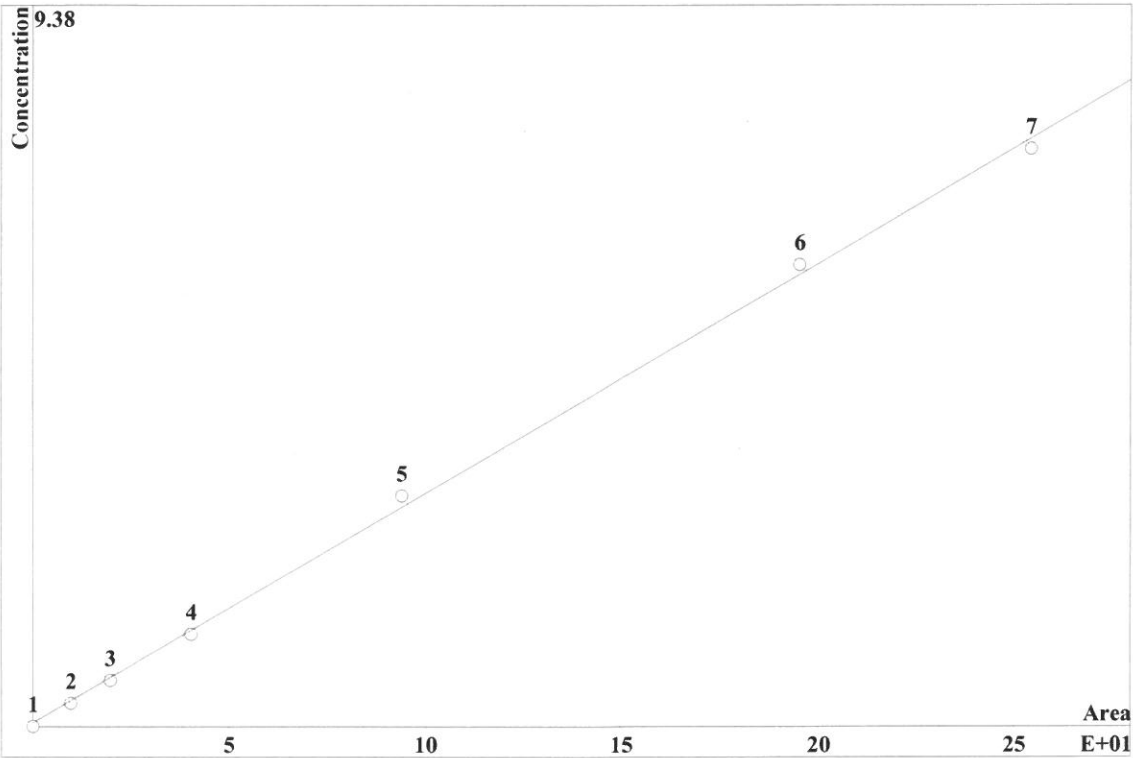
K3 = 0 K2 = 0 K1 = 1.38278 K0 = 0.318175

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	0.173	4.58	0.3	20	8.829			Yes
3	0.3518	8.972	0.6	20	8.829			Yes
4	0.7162	18.03	1.2	20	8.829			Yes
5	1.664	41.25	3	20	8.829			Yes
6	3.445	84.46	6	20	8.829			Yes
7	4.534	110.4	7.5	20	8.829			Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 12-16-19.mtw
Equation: $Q = 0.596994 \cdot A + 0.979518$
RSD: 4.029 %
Correlation coefficient: 0.999314

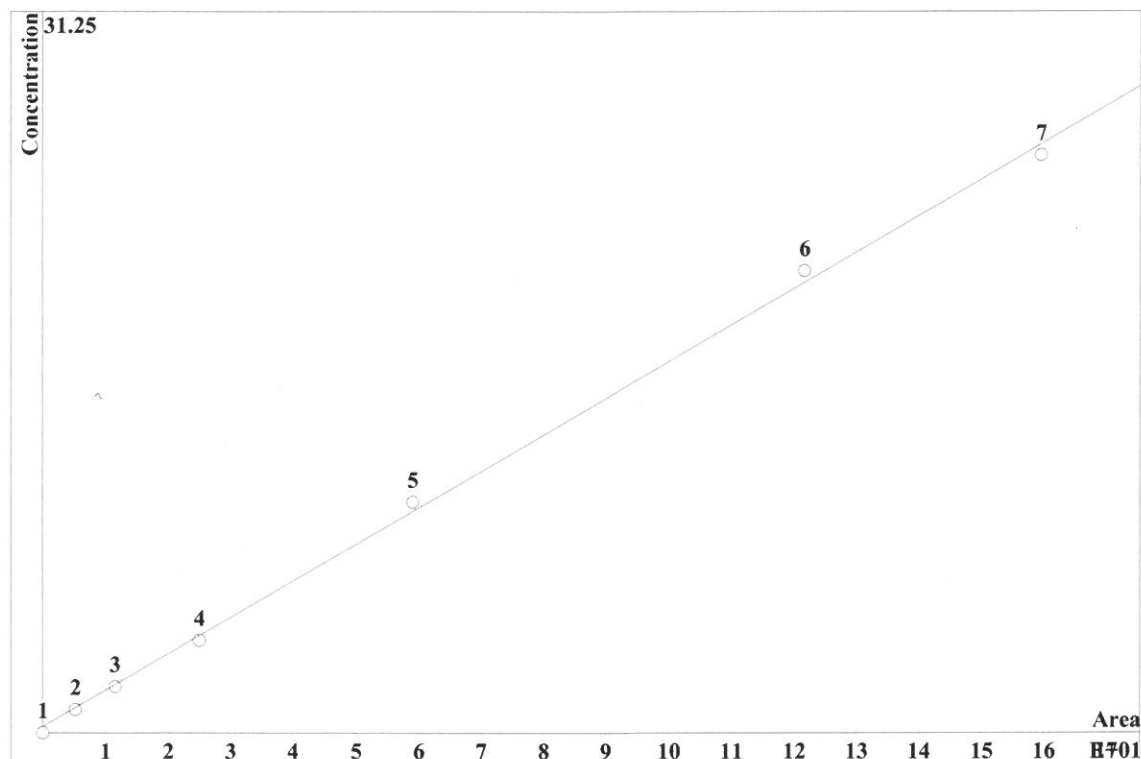


K3 = 0 K2 = 0 K1 = 0.596994 K0 = 0.979518
Base: Area
Ref.channel: Cond
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.3159	9.724	0.3	20	10.66	Yes		
3	0.6417	19.84	0.6	20	10.66	Yes		
4	1.297	40.39	1.2	20	10.66	Yes		
5	2.993	93.97	3	20	10.66	Yes		
6	6.118	195.1	6	20	10.66	Yes		
7	7.973	254.2	7.5	20	10.66	Yes		

CALIBRATION OF COMPONENT BR-

Method: ANIONS 12-16-19.mtw
 Equation: $Q = 3.16233 \cdot A + 5.37165$
 RSD: 4.088 %
 Correlation coefficient: 0.999293



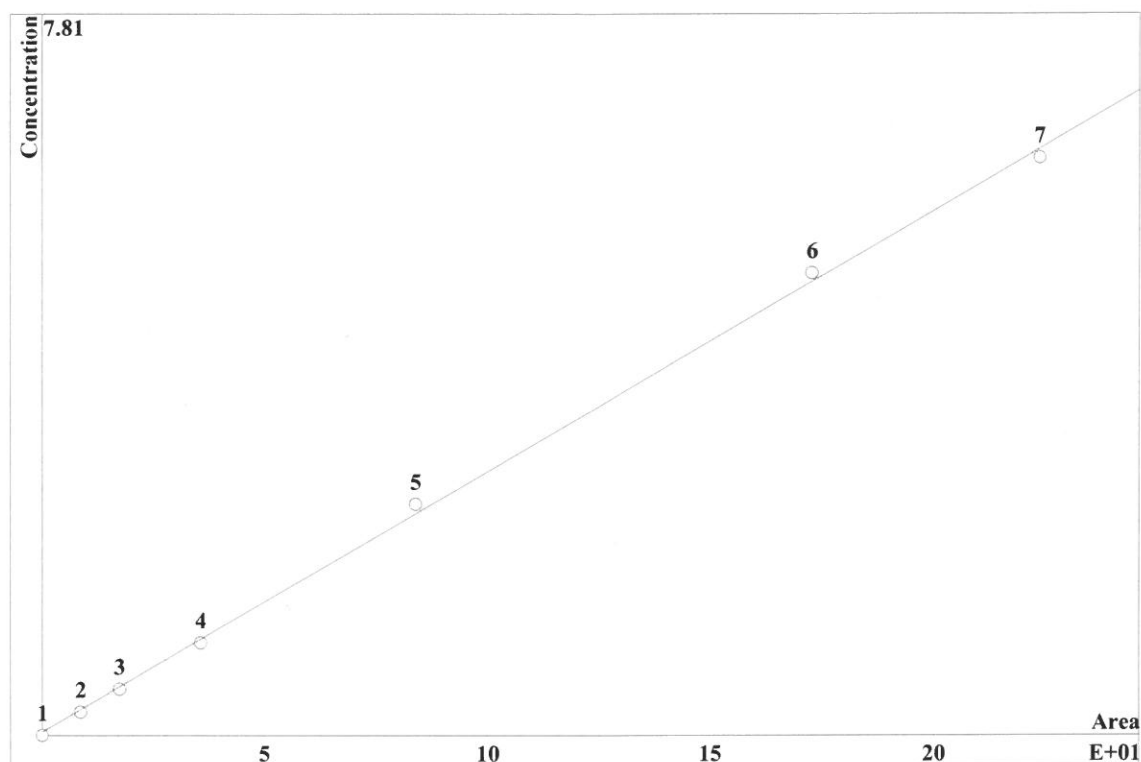
K3 = 0 K2 = 0 K1 = 3.16233 K0 = 5.37165

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	0.1438	5.226	1	20	13.22			Yes
3	0.3109	11.61	2	20	13.22			Yes
4	0.6467	24.97	4	20	13.22			Yes
5	1.561	59.03	10	20	13.22			Yes
6	3.331	121.6	20	20	13.22			Yes
7	4.428	159.5	25	20	13.22			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 12-16-19.mtw
 Equation: $Q = 0.563761 \cdot A + 0.714656$
 RSD: 3.461 %
 Correlation coefficient: 0.999494



K3 = 0 K2 = 0 K1 = 0.563761 K0 = 0.714656

Base: Area

Ref.channel: Cond

ISTD:

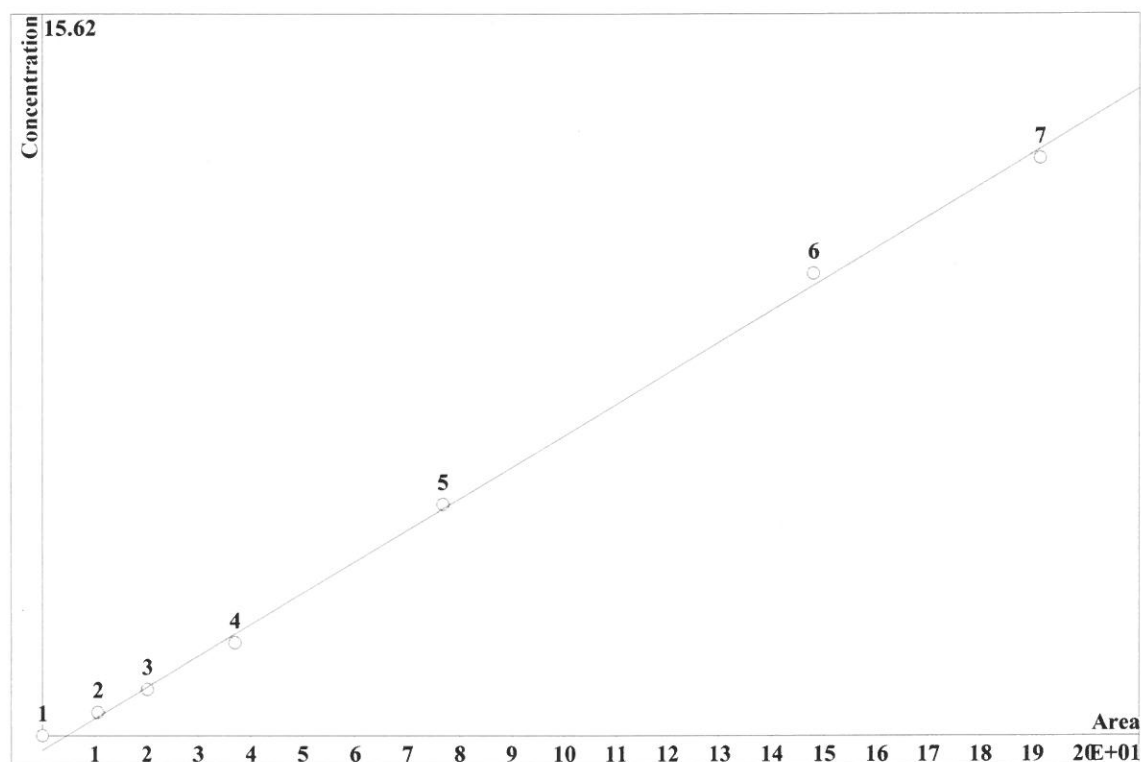
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.1755	8.606	0.25	20	15.85	Yes		Yes
3	0.3617	17.43	0.5	20	15.85	Yes		Yes
4	0.73	35.61	1	20	15.85	Yes		Yes
5	1.72	83.76	2.5	20	15.85	Yes		Yes
6	3.561	172.9	5	20	15.85	Yes		Yes
7	4.681	224	6.25	20	15.85	Yes		Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 12-16-19.mtw
 Equation: $Q = 1.36007 \cdot A - 6.35549$
 RSD: 3.950 %
 Correlation coefficient: 0.999340



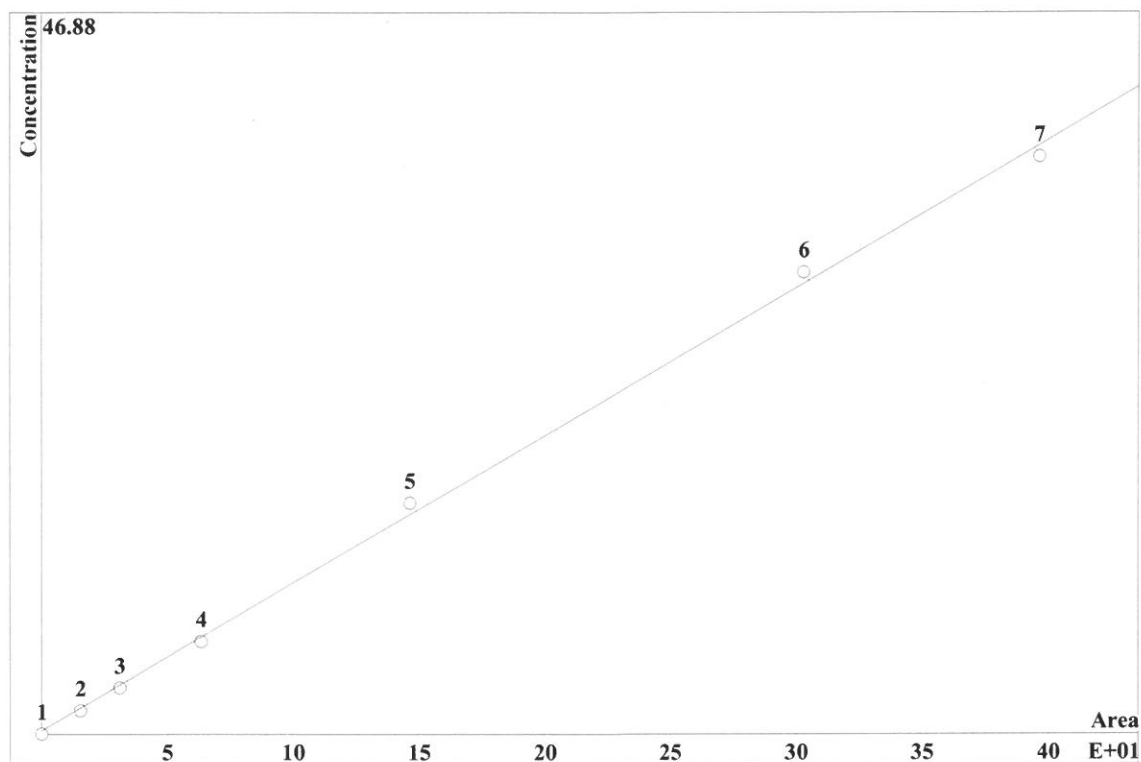
K3 = 0 K2 = 0 K1 = 1.36007 K0 = -6.35549

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	0.1566	10.62	0.5	20	21.46			Yes
3	0.3066	20.2	1	20	21.46			Yes
4	0.5652	36.93	2	20	21.46			Yes
5	1.179	76.79	5	20	21.46			Yes
6	2.276	147.9	10	20	21.46			Yes
7	2.911	191.4	12.5	20	21.46			Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 12-16-19.mtw
 Equation: $Q = 1.91876 \cdot A + 4.42069$
 RSD: 4.341 %
 Correlation coefficient: 0.999203



K3 = 0 K2 = 0 K1 = 1.91876 K0 = 4.42069

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	0.2449	15.38	1.5	20	24.69			Yes
3	0.5045	31.06	3	20	24.69			Yes
4	1.018	63.48	6	20	24.69			Yes
5	2.331	146.4	15	20	24.69			Yes
6	4.782	302.8	30	20	24.69			Yes
7	6.242	396.4	37.5	20	24.69			Yes

Report date: 12/18/2019 1:25:52 PM
Printed by: wet

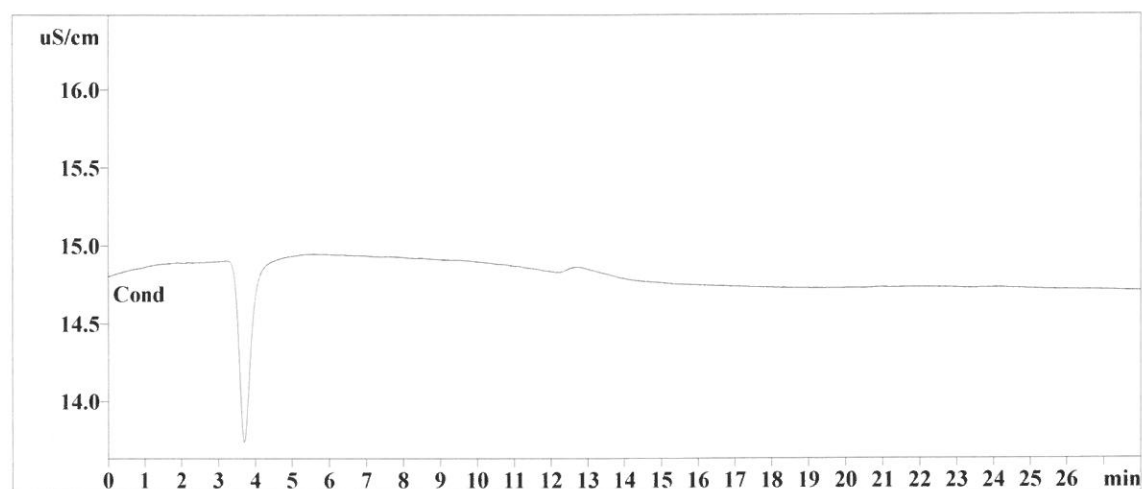
Ident: STD1
Analysis from: 12/16/2019 11:17:39 AM
File: _2019-12-16_

Last save: 12/16/2019 11:45:28 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69199

Last save: 12/16/2019 10:51:02 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: 12/18/2019 1:26:05 PM
Printed by: wet

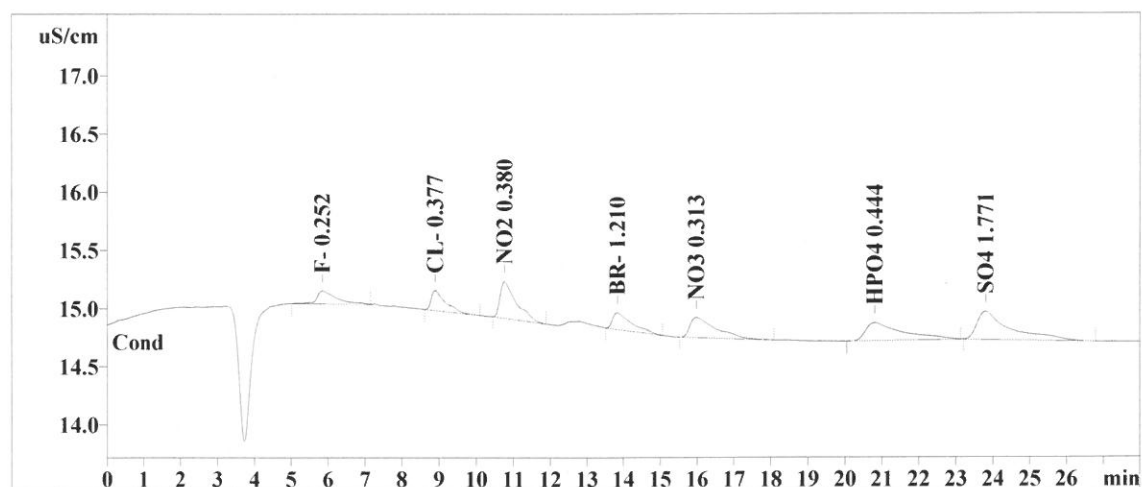
Ident: STD2
Analysis from: 12/16/2019 11:48:34 AM
File: _2019-12-16_

Last save: 12/16/2019 12:16:22 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69200

Last save: 12/16/2019 11:45:28 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	5.84	0.509	0.11	8.38	4.213	7.22	0.
2	8.90	0.361	0.17	13.05	4.580	7.85	0.
3	10.76	0.430	0.32	23.87	9.724	16.67	0.
4	13.83	0.524	0.14	10.83	5.226	8.96	0.
5	15.97	0.686	0.18	13.25	8.606	14.75	0.
6	20.81	0.937	0.16	11.77	10.619	18.20	0.
7	23.80	0.734	0.24	18.46	15.377	26.36	0.
7	28.00	0.597	1.32	99.61	58.344	100.00	0.

This report has been created by IC Net
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Report date: 12/18/2019 1:26:14 PM
Printed by: wet

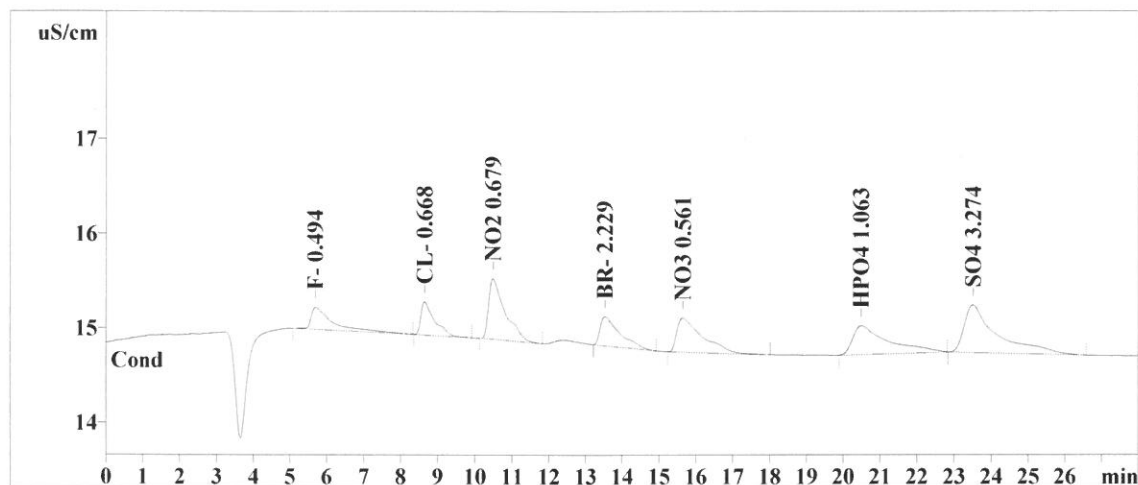
Ident: STD3
Analysis from: 12/16/2019 12:19:28 PM
File: _2019-12-16_

Last save: 12/16/2019 12:47:18 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69201

Last save: 12/16/2019 12:16:22 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.70	0.484	0.23	8.66	9.780	8.23	0.
2	8.64	0.346	0.35	12.96	8.972	7.55	0.
3	10.48	0.427	0.64	23.64	19.837	16.69	0.
4	13.53	0.534	0.31	11.45	11.605	9.76	0.
5	15.64	0.672	0.36	13.32	17.427	14.66	0.
6	20.49	0.867	0.31	11.28	20.205	17.00	0.
7	23.50	0.710	0.50	18.57	31.059	26.13	0.
7	28.00	0.577	2.71	99.89	118.884	100.00	0.

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Report date: 12/18/2019 1:26:26 PM
Printed by: wet

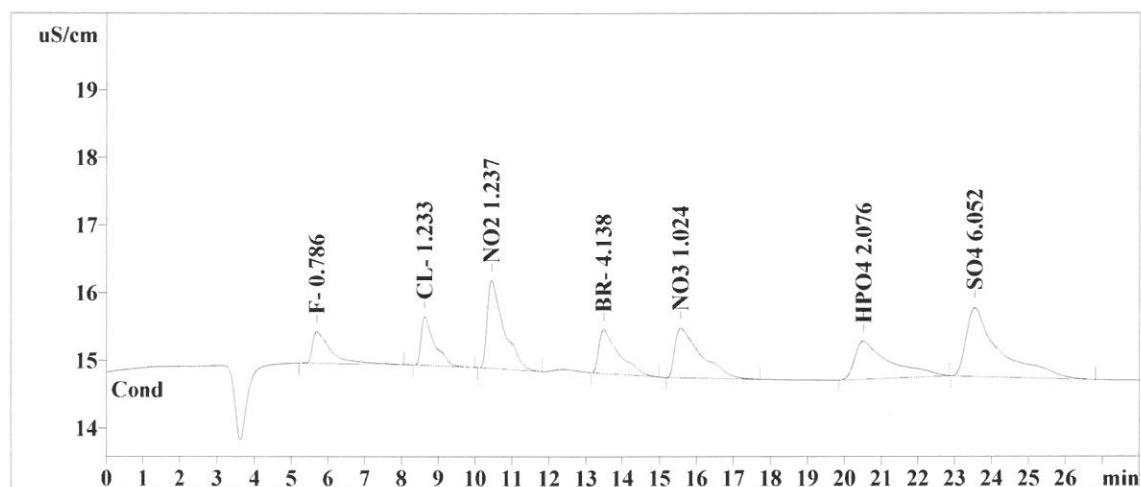
Ident: STD4
Analysis from: 12/16/2019 12:50:23 PM
File: _2019-12-16_

Last save: 12/16/2019 1:18:12 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69202

Last save: 12/16/2019 12:47:18 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	5.68	0.467	0.47	8.59	16.593	7.03	0.
2	8.63	0.341	0.72	13.16	18.026	7.64	0.
3	10.44	0.429	1.30	23.83	40.386	17.11	0.
4	13.48	0.550	0.65	11.87	24.967	10.58	0.
5	15.57	0.683	0.73	13.41	35.613	15.09	0.
6	20.50	0.857	0.56	10.38	36.933	15.65	0.
7	23.54	0.717	1.02	18.70	63.483	26.90	0.
7	28.00	0.578	5.44	99.95	236.000	100.00	0.

This report has been created by IC Net
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Report date: 12/18/2019 1:26:34 PM
Printed by: wet

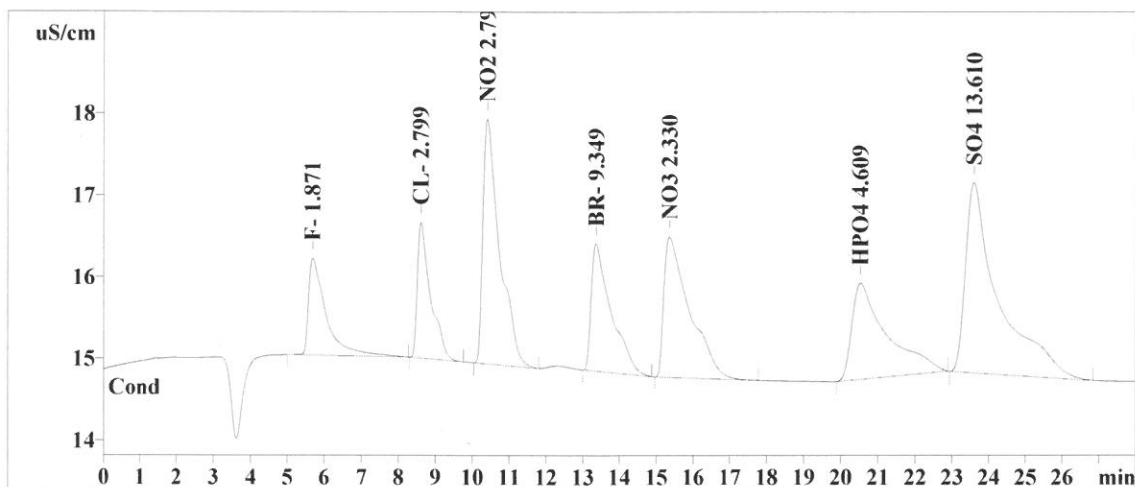
Ident: STD5
Analysis from: 12/16/2019 1:21:18 PM
File: _2019-12-16_

Last save: 12/16/2019 1:49:06 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69203

Last save: 12/16/2019 1:18:12 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.68	0.450	1.19	9.39	39.755	7.35	0.
2	8.61	0.340	1.66	13.16	41.254	7.63	0.
3	10.40	0.434	2.99	23.69	93.968	17.37	0.
4	13.35	0.535	1.56	12.35	59.027	10.91	0.
5	15.35	0.683	1.72	13.61	83.764	15.48	0.
6	20.52	0.844	1.18	9.33	76.789	14.20	0.
7	23.58	0.713	2.33	18.45	146.382	27.06	0.
7	28.00	0.571	12.63	99.97	540.939	100.00	0.

This report has been created by IC Net
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Report date: 12/18/2019 1:26:44 PM
Printed by: wet

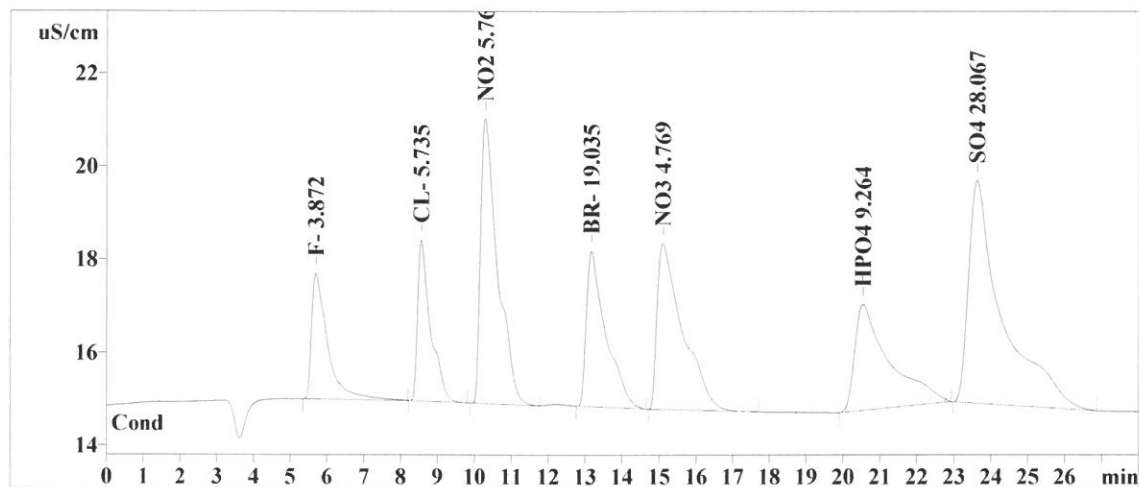
Ident: STD6
Analysis from: 12/16/2019 1:52:13 PM
File: _2019-12-16_

Last save: 12/16/2019 2:20:02 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69204

Last save: 12/16/2019 1:49:06 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.69	0.430	2.69	10.26	82.371	7.44	0.
2	8.55	0.335	3.44	13.15	84.459	7.63	0.
3	10.28	0.443	6.12	23.35	195.136	17.62	0.
4	13.16	0.510	3.33	12.71	121.613	10.98	0.
5	15.08	0.680	3.56	13.59	172.875	15.61	0.
6	20.53	0.838	2.27	8.68	147.911	13.36	0.
7	23.61	0.722	4.78	18.25	302.827	27.35	0.
7	28.00	0.565	26.20	99.99	1107.191	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/18/2019 1:26:51 PM
Printed by: wet

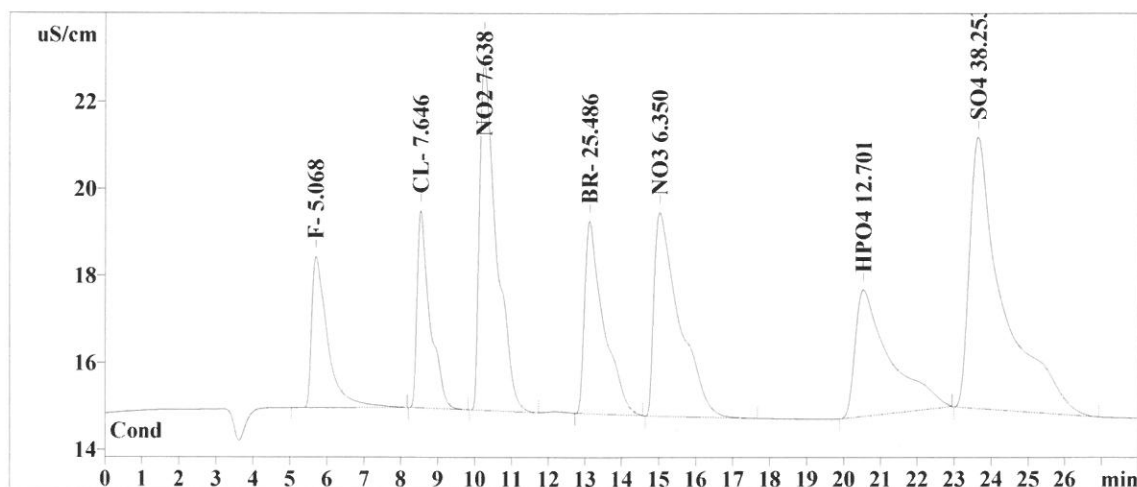
Ident: STD7
Analysis from: 12/16/2019 2:23:07 PM
File: _2019-12-16_

Last save: 12/16/2019 2:50:56 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69205

Last save: 12/16/2019 2:20:02 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	5.69	0.430	3.47	10.13	105.731	7.33	0.
2	8.53	0.331	4.53	13.24	110.353	7.65	0.
3	10.24	0.443	7.97	23.29	254.226	17.63	0.
4	13.11	0.497	4.43	12.93	159.486	11.06	0.
5	15.01	0.669	4.68	13.67	223.989	15.54	0.
6	20.52	0.850	2.91	8.50	191.439	13.28	0.
7	23.62	0.725	6.24	18.23	396.422	27.50	0.
7	28.00	0.564	34.23	99.99	1441.646	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/18/2019 1:27:15 PM
Printed by: wet

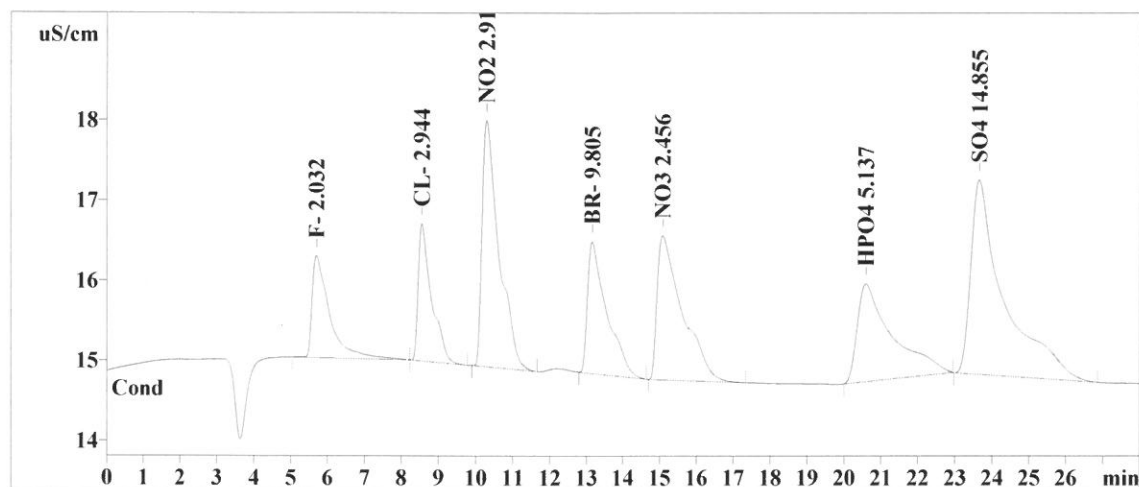
Ident: ICV
Analysis from: 12/16/2019 2:57:09 PM
File: _2019-12-16_

Last save: 12/16/2019 3:24:58 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69206

Last save: 12/16/2019 2:50:56 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	5.69	0.456	1.27	9.66	42.352	7.57	0.
2	8.55	0.339	1.71	13.02	42.350	7.57	0.
3	10.28	0.434	3.07	23.37	96.120	17.17	0.
4	13.14	0.519	1.64	12.51	60.313	10.77	0.
5	15.07	0.669	1.80	13.68	85.869	15.34	0.
6	20.58	0.857	1.22	9.30	80.213	14.33	0.
7	23.64	0.714	2.42	18.46	152.537	27.25	0.
7	28.00	0.570	13.13	100.00	559.752	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/18/2019 1:27:23 PM
Printed by: wet

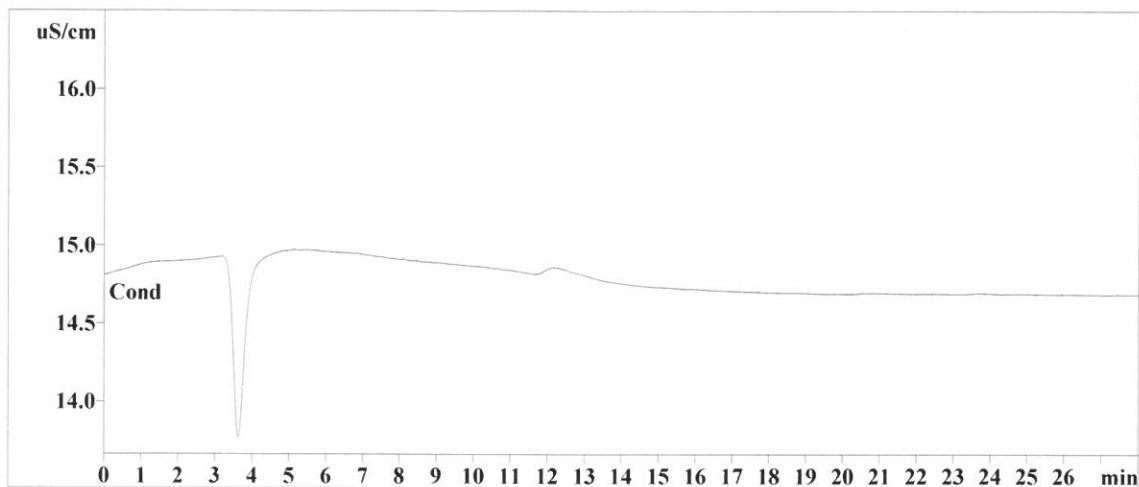
Ident: ICB
Analysis from: 12/16/2019 3:46:59 PM
File: _2019-12-16_

Last save: 12/16/2019 4:14:48 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69207

Last save: 12/16/2019 2:50:56 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:55:39 AM
Printed by: wet

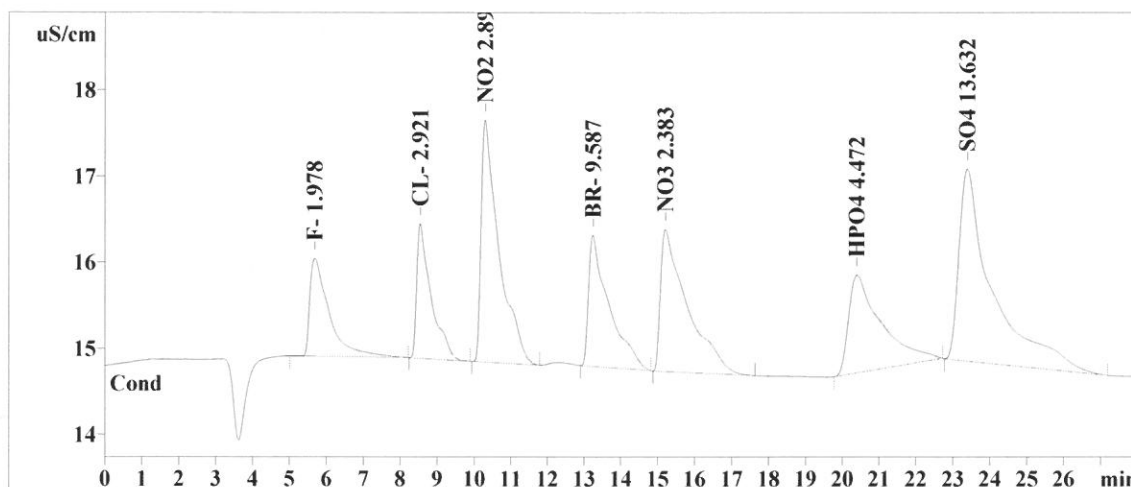
Ident: CCV
Analysis from: 12/18/2019 1:21:23 PM
File: _2019-12-18_

Last save: 12/18/2019 1:49:12 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69238

Last save: 12/16/2019 2:50:56 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	5.68	0.513	1.13	9.41	41.217	7.76	0.
2	8.53	0.375	1.56	12.96	42.014	7.91	0.
3	10.28	0.475	2.80	23.30	95.464	17.97	0.
4	13.23	0.552	1.52	12.64	58.934	11.10	0.
5	15.19	0.713	1.65	13.69	83.284	15.68	0.
6	20.39	0.873	1.14	9.46	70.429	13.26	0.
7	23.38	0.670	2.23	18.52	139.792	26.32	0.
7	28.00	0.596	12.03	99.98	531.135	100.00	0.

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METROHM LTD

Report date: 12/19/2019 10:55:47 AM
Printed by: wet

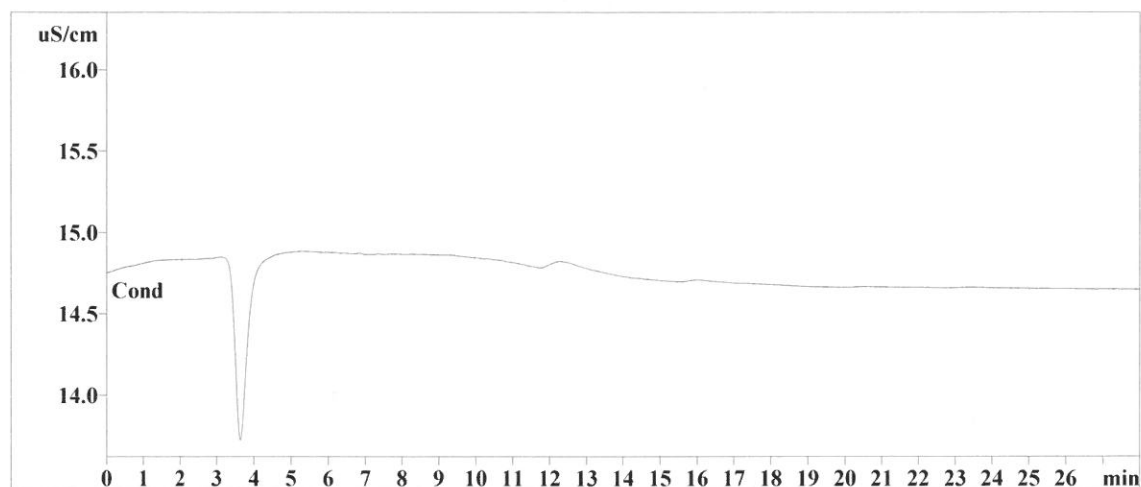
Ident: CCB
Analysis from: 12/18/2019 2:11:35 PM
File: _2019-12-18_

Last save: 12/18/2019 2:39:24 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69241

Last save: 12/16/2019 2:50:56 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: 12/19/2019 10:55:55 AM
Printed by: wet

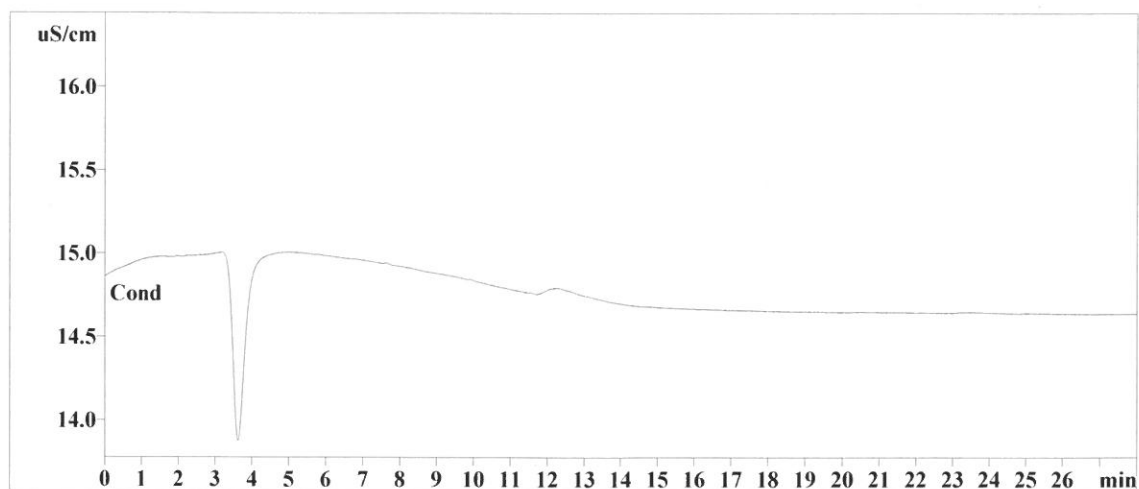
Ident: LB106826BLW
Analysis from: 12/18/2019 2:42:30 PM
File: _2019-12-18_

Last save: 12/19/2019 10:54:52 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69242

Last save: 12/16/2019 2:50:56 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: 12/19/2019 10:56:04 AM
Printed by: wet

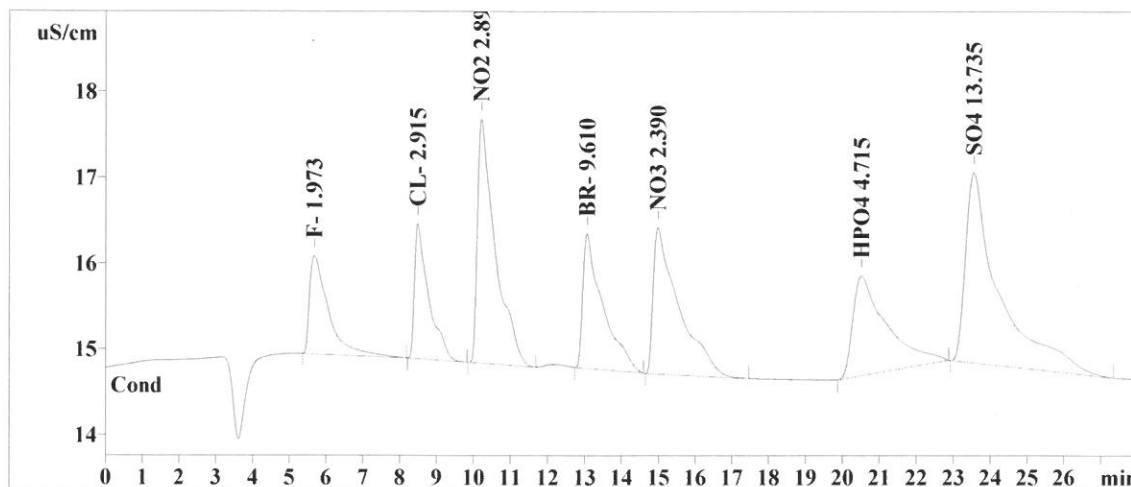
Ident: LB106826BSW
Analysis from: 12/18/2019 3:13:25 PM
File: _2019-12-18_

Last save: 12/19/2019 10:54:52 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69243

Last save: 12/16/2019 2:50:56 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	5.68	0.509	1.14	9.37	41.128	7.67	0.
2	8.48	0.371	1.57	12.86	41.938	7.82	0.
3	10.20	0.472	2.84	23.28	95.442	17.81	0.
4	13.05	0.537	1.57	12.84	59.082	11.02	0.
5	14.97	0.690	1.70	13.95	83.535	15.58	0.
6	20.50	0.900	1.16	9.53	74.013	13.81	0.
7	23.54	0.678	2.22	18.15	140.864	26.28	0.
7	28.00	0.594	12.21	99.97	536.003	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:56:37 AM
Printed by: wet

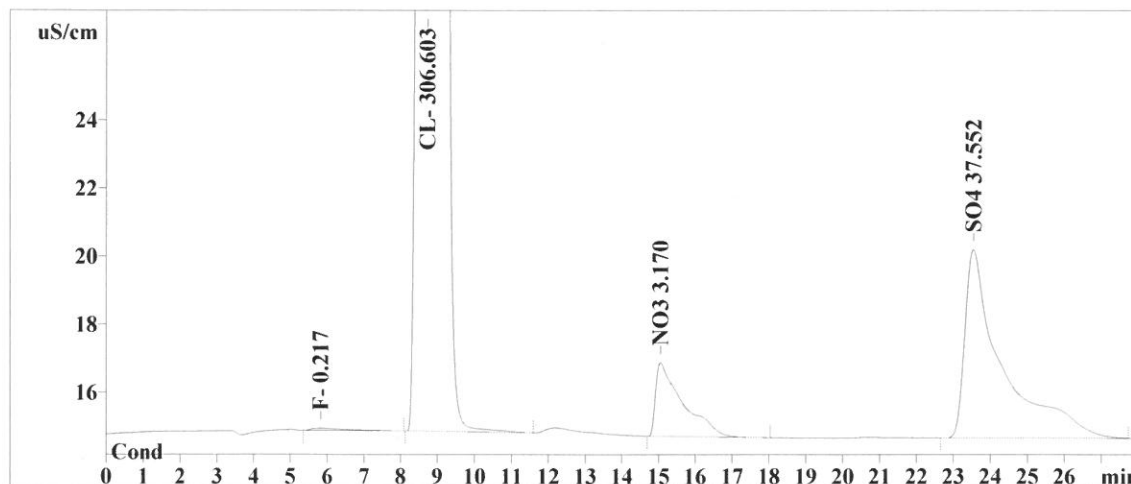
Ident: K6369-01
Analysis from: 12/18/2019 3:45:02 PM
File: _2019-12-18_

Last save: 12/19/2019 10:56:34 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69244

Last save: 12/16/2019 2:50:56 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.81	0.850	0.07	0.04	4.453	0.09	0.
2	8.72	0.338	177.14	95.78	4434.367	89.78	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	15.04	0.710	2.16	1.17	111.185	2.25	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.54	0.738	5.53	2.99	389.114	7.88	0.
7	28.00	0.376	184.90	99.97	4939.119	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:56:50 AM
Printed by: wet

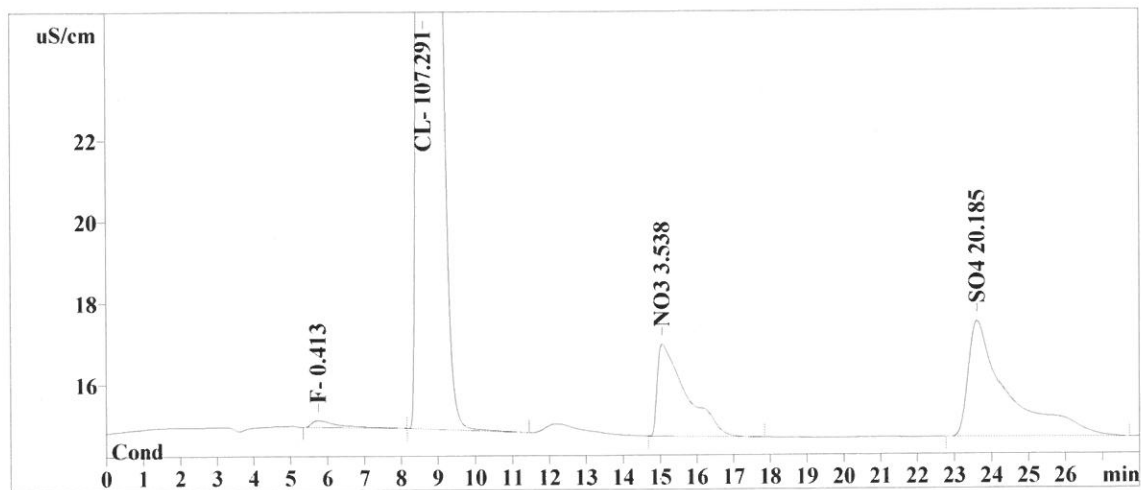
Ident: K6369-04
Analysis from: 12/18/2019 4:15:57 PM
File: _2019-12-18_

Last save: 12/18/2019 4:44:46 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69245

Last save: 12/16/2019 2:50:56 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.74	0.637	0.17	0.25	8.547	0.45	0.
2	8.62	0.356	61.47	92.09	1551.586	81.99	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.06	0.748	2.27	3.39	124.231	6.56	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.62	0.786	2.84	4.26	208.088	11.00	0.
7	28.00	0.361	66.75	99.99	1892.452	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:57:38 AM
Printed by: wet

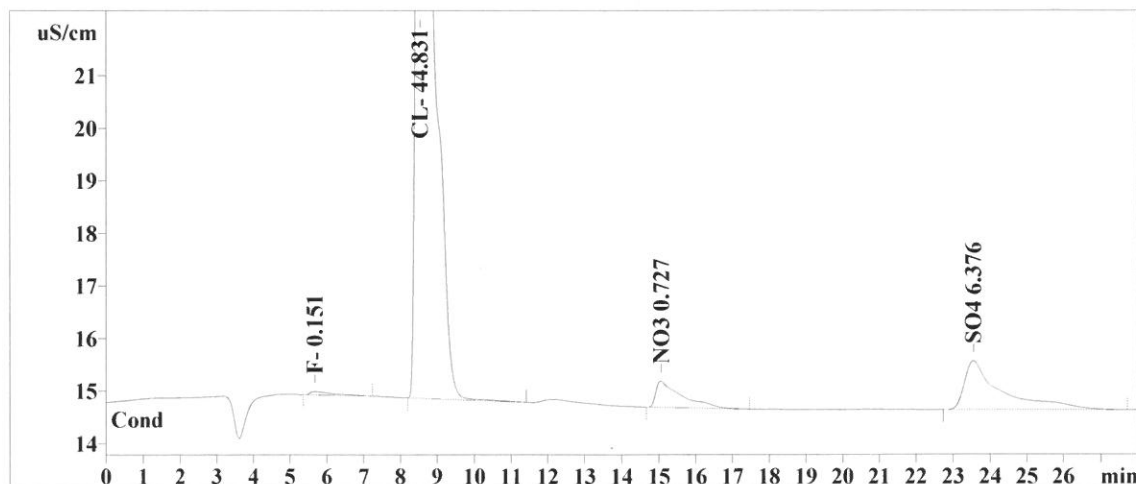
Ident: K6369-02
Analysis from: 12/18/2019 4:46:52 PM
File: _2019-12-18_

Last save: 12/18/2019 5:16:20 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69246

Last save: 12/16/2019 2:50:56 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	5.68	0.622	0.07	0.23	3.079	0.42	0.
2	8.52	0.309	27.95	94.92	648.191	87.60	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	15.04	0.674	0.50	1.70	24.510	3.31	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.54	0.724	0.93	3.14	64.155	8.67	0.
7	28.00	0.333	29.45	99.99	739.935	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:57:48 AM
Printed by: wet

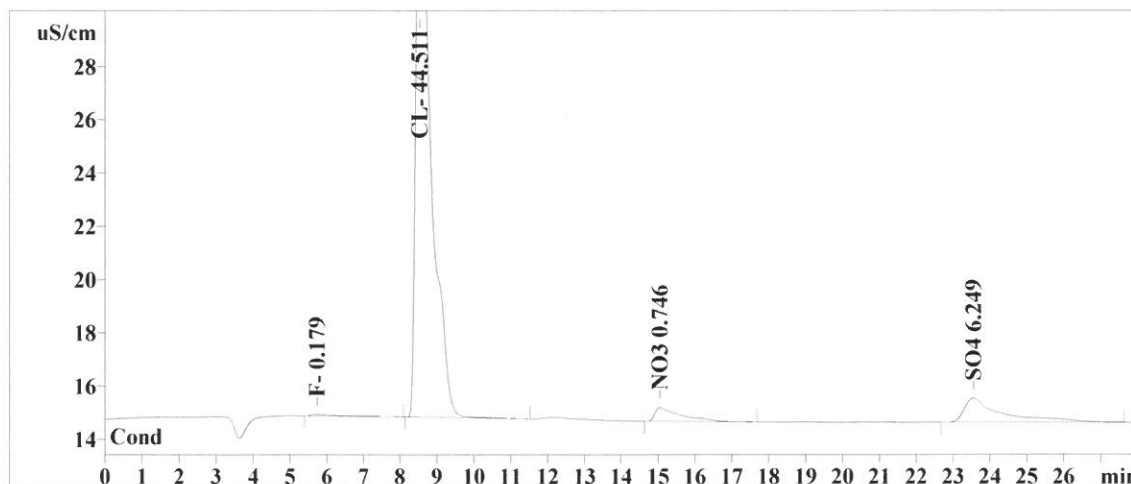
Ident: K6369-03
Analysis from: 12/18/2019 5:17:47 PM
File: _2019-12-18_

Last save: 12/18/2019 5:45:36 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69247

Last save: 12/16/2019 2:50:56 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	5.72	0.645	0.07	0.23	3.663	0.50	0.
2	8.52	0.312	27.53	94.88	643.563	87.53	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	15.04	0.675	0.51	1.77	25.205	3.43	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.55	0.735	0.90	3.10	62.836	8.55	0.
7	28.00	0.338	29.01	99.98	735.267	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:58:07 AM
Printed by: wet

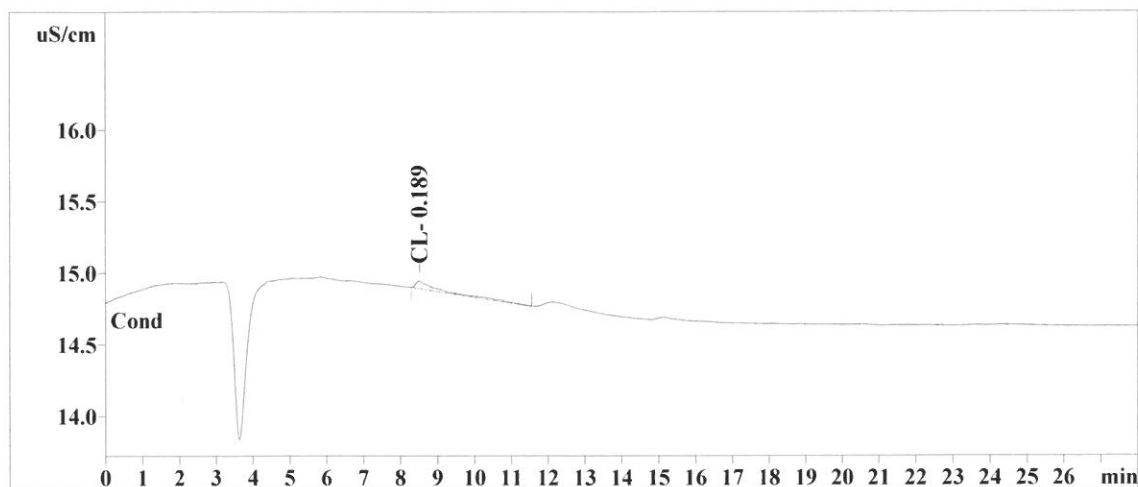
Ident: K6364-01
Analysis from: 12/18/2019 5:48:42 PM
File: _2019-12-18_

Last save: 12/18/2019 6:16:30 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69248

Last save: 12/16/2019 2:50:56 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.50	0.401	0.05	99.03	2.508	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	0.057	0.05	99.03	2.508	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:58:37 AM
Printed by: wet

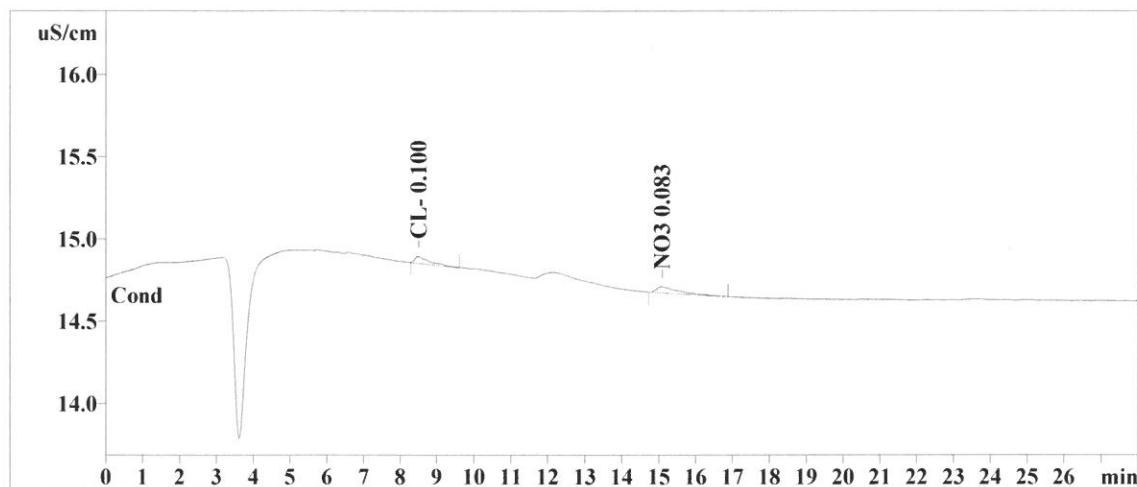
Ident: K6364-02
Analysis from: 12/18/2019 6:19:37 PM
File: _2019-12-18_

Last save: 12/19/2019 10:58:36 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69249

Last save: 12/16/2019 2:50:56 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.49	0.382	0.04	51.03	1.213	41.96	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	15.07	0.599	0.04	47.05	1.678	58.04	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	0.140	0.08	98.08	2.892	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:58:48 AM
Printed by: wet

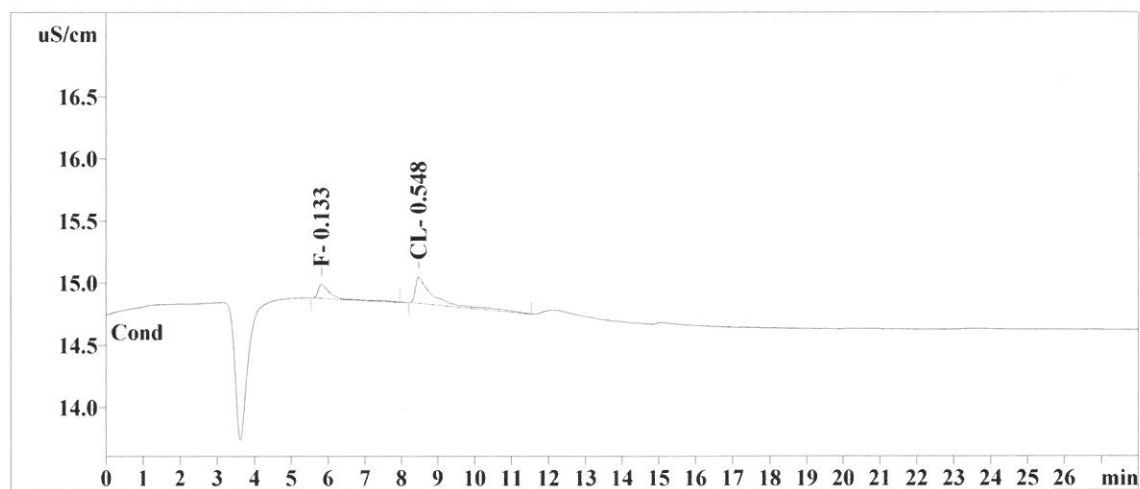
Ident: K6364-03
Analysis from: 12/18/2019 6:50:31 PM
File: _2019-12-18_

Last save: 12/18/2019 7:18:20 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69250

Last save: 12/16/2019 2:50:56 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	5.82	0.308	0.11	34.63	2.710	26.06	0.
2	8.47	0.380	0.21	65.20	7.690	73.94	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	0.098	0.32	99.83	10.400	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:58:58 AM
Printed by: wet

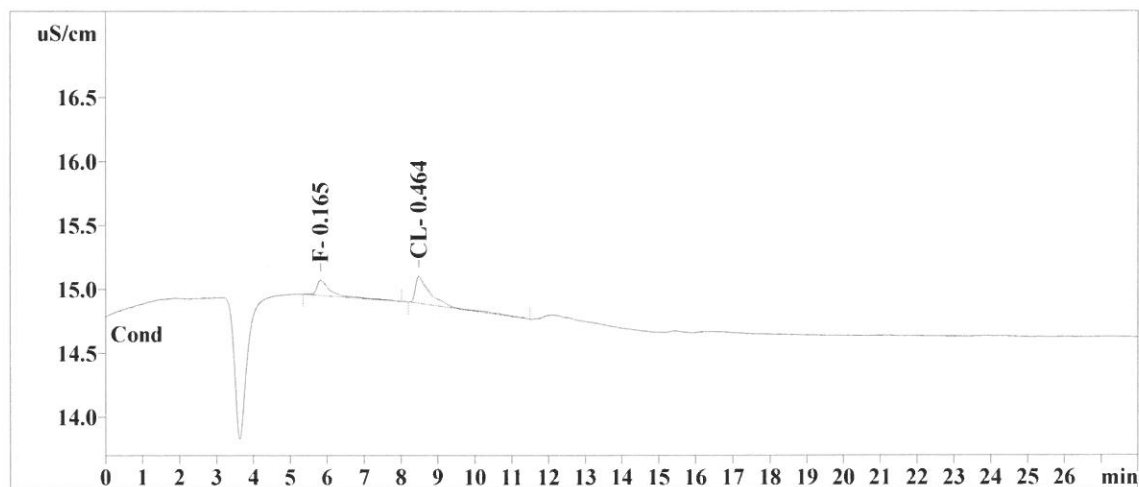
Ident: K6364-03DUP
Analysis from: 12/18/2019 7:21:26 PM
File: _2019-12-18_

Last save: 12/18/2019 7:49:14 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69251

Last save: 12/16/2019 2:50:56 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	5.82	0.320	0.12	35.87	3.362	34.17	0.
2	8.48	0.375	0.21	63.56	6.478	65.83	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	0.099	0.33	99.43	9.840	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:59:06 AM
Printed by: wet

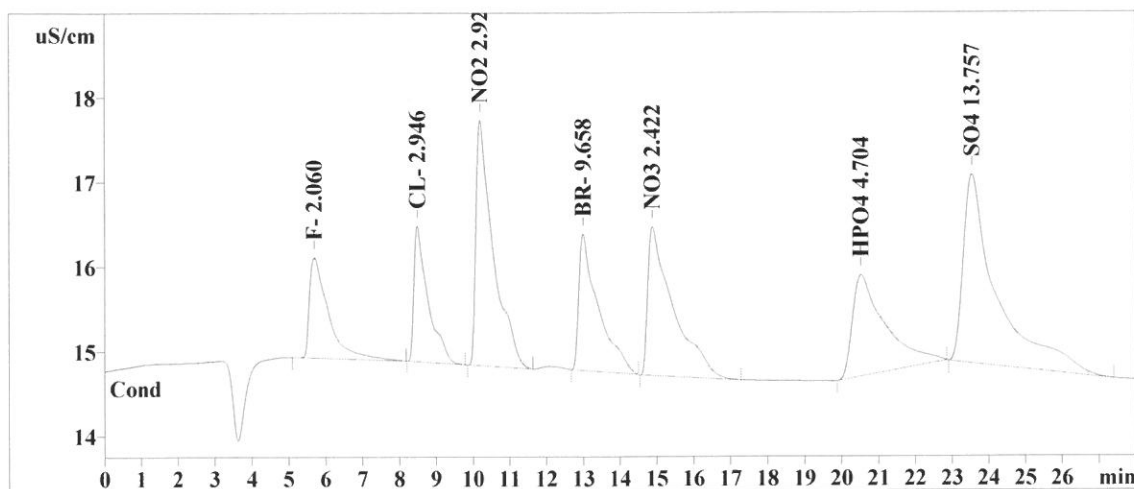
Ident: CCV
Analysis from: 12/18/2019 7:52:20 PM
File: _2019-12-18_

Last save: 12/18/2019 8:20:10 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69252

Last save: 12/16/2019 2:50:56 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	5.69	0.513	1.18	9.50	42.927	7.94	0.
2	8.48	0.365	1.60	12.82	42.381	7.84	0.
3	10.18	0.464	2.89	23.20	96.347	17.82	0.
4	12.98	0.519	1.61	12.90	59.385	10.98	0.
5	14.87	0.666	1.76	14.09	84.664	15.66	0.
6	20.52	0.861	1.20	9.60	73.841	13.66	0.
7	23.54	0.680	2.23	17.87	141.094	26.10	0.
7	28.00	0.581	12.47	99.96	540.640	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/19/2019 10:59:17 AM
Printed by: wet

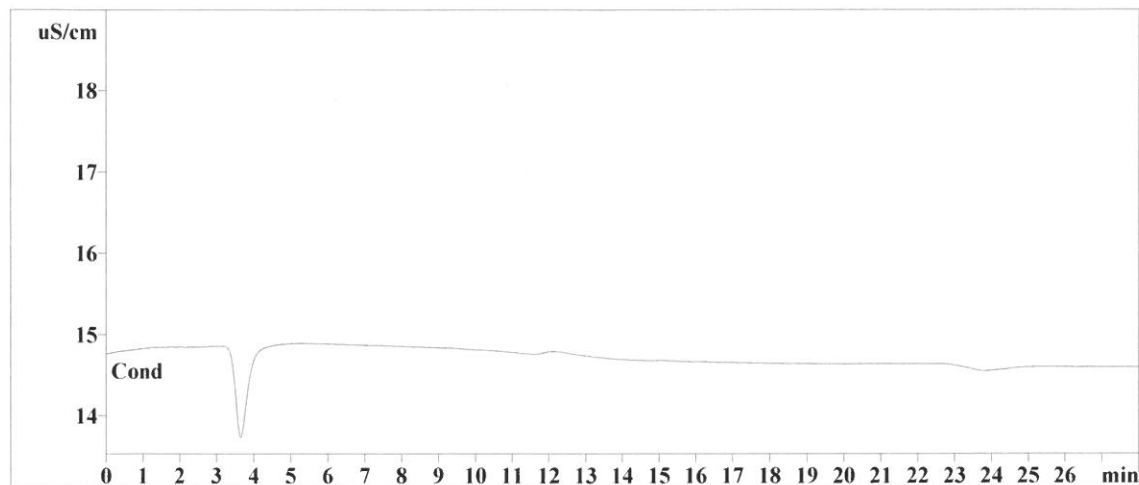
Ident: CCB
Analysis from: 12/18/2019 8:23:15 PM
File: _2019-12-18_

Last save: 12/18/2019 8:51:04 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69253

Last save: 12/16/2019 2:50:56 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: 12/19/2019 10:59:25 AM
 Printed by: wet

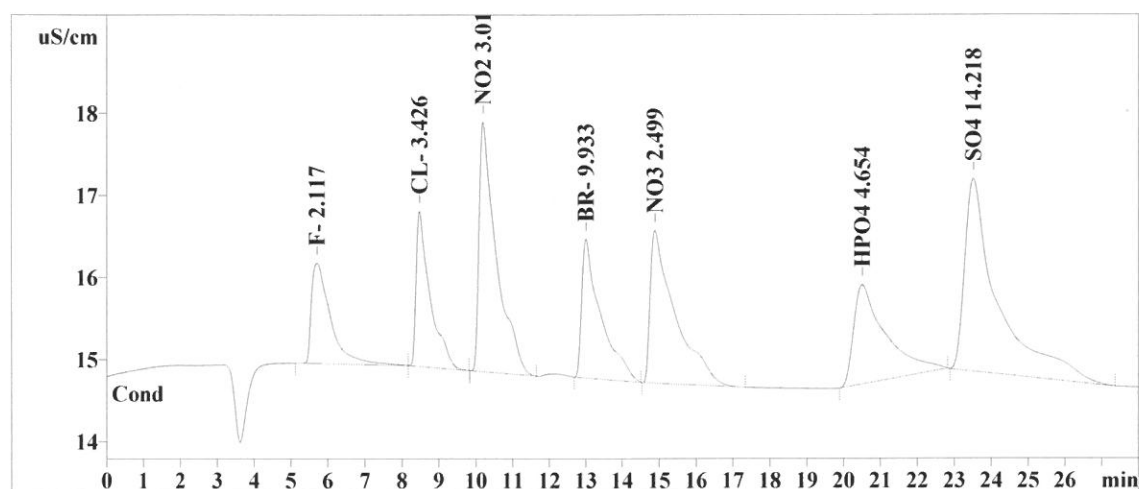
Ident: K6364-03MS
 Analysis from: 12/18/2019 8:54:10 PM
 File: _2019-12-18_

Last save: 12/18/2019 9:21:58 PM

Method: ANIONS 12-16-19.mtw
 Run operator: wet
 Analysis number: 69254

Last save: 12/16/2019 2:50:56 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	5.70	0.520	1.22	9.22	44.128	7.88	0.
2	8.47	0.356	1.88	14.24	49.322	8.80	0.
3	10.19	0.453	3.03	22.91	99.216	17.71	0.
4	13.00	0.498	1.69	12.74	61.122	10.91	0.
5	14.88	0.642	1.86	14.04	87.382	15.60	0.
6	20.50	0.831	1.21	9.14	73.107	13.05	0.
7	23.51	0.662	2.34	17.70	145.892	26.04	0.
7	28.00	0.566	13.23	99.98	560.169	100.00	0.

This report has been created by IC Net
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Report date: 12/19/2019 10:59:32 AM
 Printed by: wet

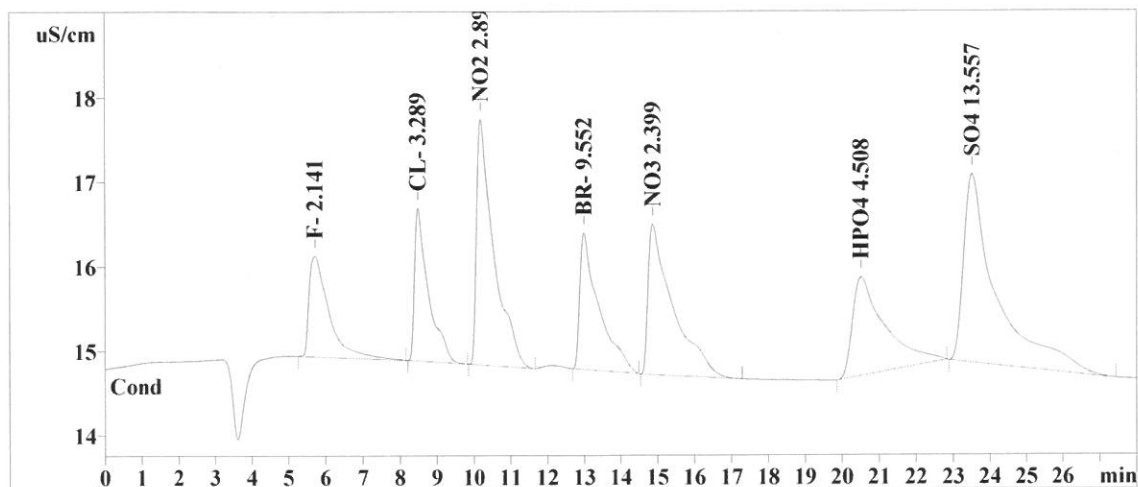
Ident: K6364-03MSD
 Analysis from: 12/18/2019 9:25:04 PM
 File: _2019-12-18_

Last save: 12/18/2019 9:52:54 PM

Method: ANIONS 12-16-19.mtw
 Run operator: wet
 Analysis number: 69255

Last save: 12/16/2019 2:50:56 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	5.70	0.535	1.19	9.36	44.620	8.27	0.
2	8.47	0.356	1.81	14.21	47.336	8.77	0.
3	10.18	0.453	2.91	22.89	95.354	17.66	0.
4	12.98	0.500	1.62	12.73	58.715	10.88	0.
5	14.86	0.643	1.78	14.02	83.846	15.53	0.
6	20.51	0.839	1.17	9.19	70.965	13.15	0.
7	23.51	0.665	2.23	17.56	139.009	25.75	0.
7	28.00	0.570	12.71	99.98	539.845	100.00	0.

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Report date: 12/19/2019 10:59:49 AM
Printed by: wet

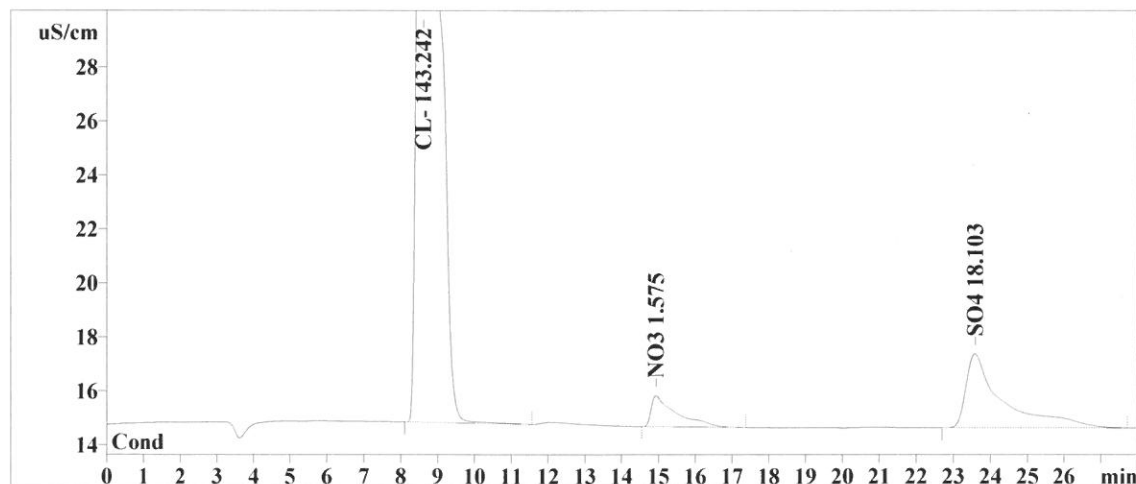
Ident: K6369-01DLX2
Analysis from: 12/18/2019 9:55:59 PM
File: _2019-12-18_

Last save: 12/18/2019 10:23:48 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69256

Last save: 12/16/2019 2:50:56 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	8.60	0.282	92.44	95.96	2071.566	89.58	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	14.92	0.641	1.15	1.19	54.617	2.36	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.58	0.700	2.74	2.84	186.395	8.06	0.
7	28.00	0.232	96.32	99.99	2312.578	100.00	0.

This report has been created by IC Net
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Report date: 12/19/2019 11:00:02 AM
Printed by: wet

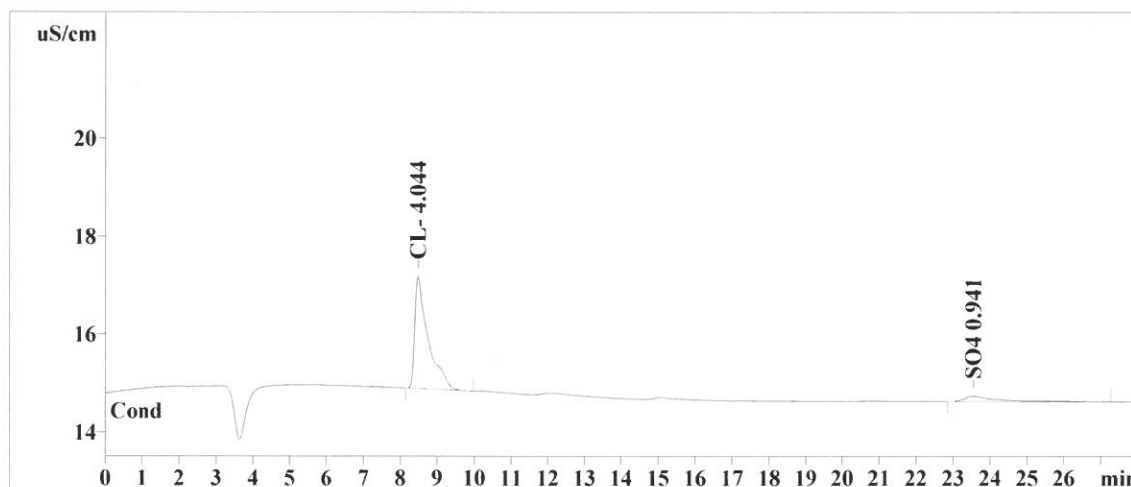
Ident: K6369-01DL2X50
Analysis from: 12/18/2019 10:26:53 PM
File: _2019-12-18_

Last save: 12/18/2019 10:54:42 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69257

Last save: 12/16/2019 2:50:56 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	8.47	0.345	2.28	95.36	58.268	88.60	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.55	0.721	0.11	4.56	7.500	11.40	0.
7	28.00	0.152	2.39	99.92	65.768	100.00	0.

This report has been created by IC Net
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Report date: 12/19/2019 11:00:10 AM
Printed by: wet

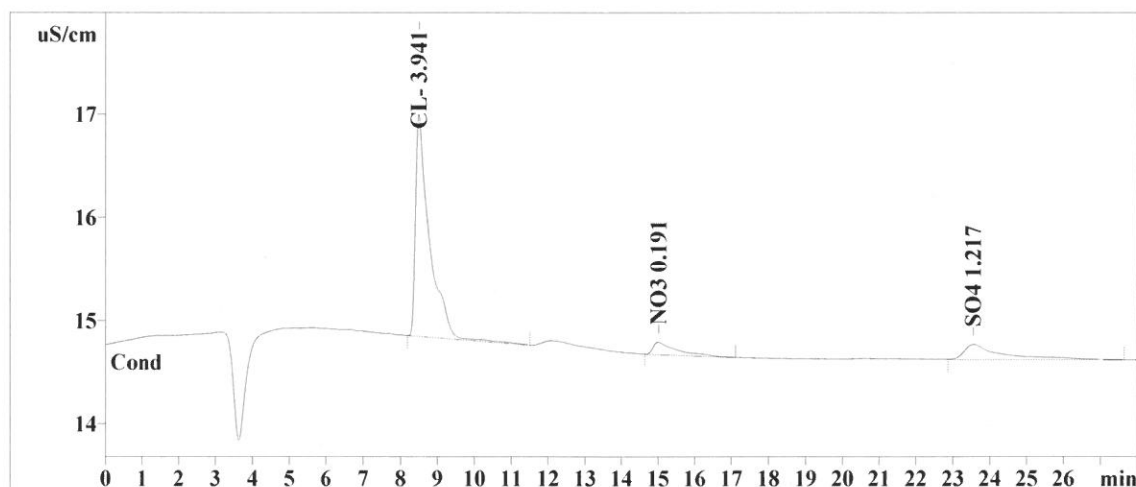
Ident: K6369-04DLX20
Analysis from: 12/18/2019 10:57:48 PM
File: _2019-12-18_

Last save: 12/18/2019 11:25:36 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69258

Last save: 12/16/2019 2:50:56 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	8.48	0.348	2.15	88.90	56.777	78.12	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	14.99	0.603	0.12	5.05	5.519	7.59	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.55	0.742	0.15	6.03	10.378	14.28	0.
7	28.00	0.242	2.42	99.97	72.674	100.00	0.

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Report date: 12/19/2019 11:00:19 AM
Printed by: wet

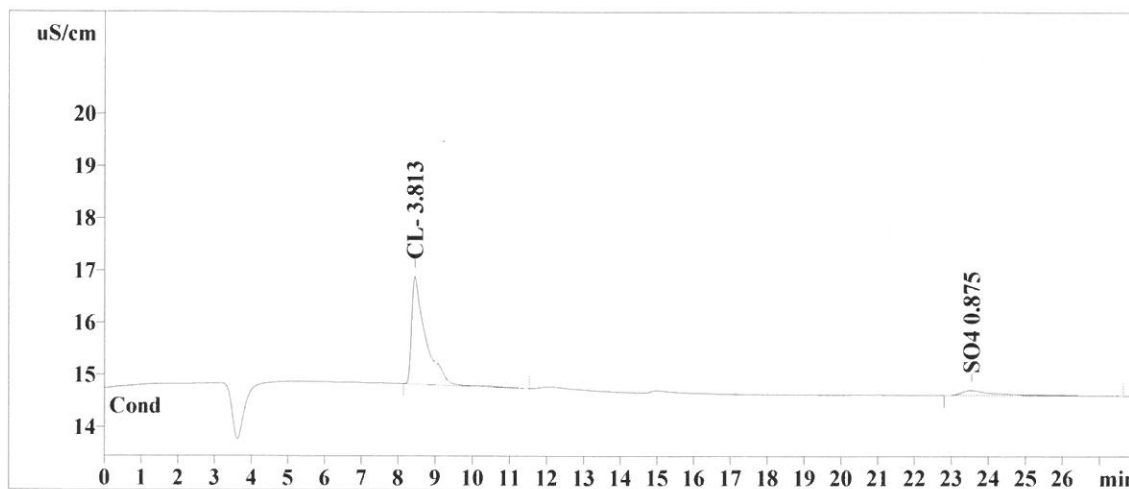
Ident: K6369-02DLX10
Analysis from: 12/18/2019 11:28:43 PM
File: _2019-12-18_

Last save: 12/18/2019 11:56:32 PM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69259

Last save: 12/16/2019 2:50:56 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.45	0.348	2.06	95.44	54.914	88.95	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.53	0.733	0.10	4.49	6.818	11.05	0.
7	28.00	0.154	2.15	99.94	61.732	100.00	0.

This report has been created by IC Net
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Report date: 12/19/2019 11:00:27 AM
Printed by: wet

Ident: K6369-03DLX10
Analysis from: 12/18/2019 11:59:37 PM
File: _2019-12-18_

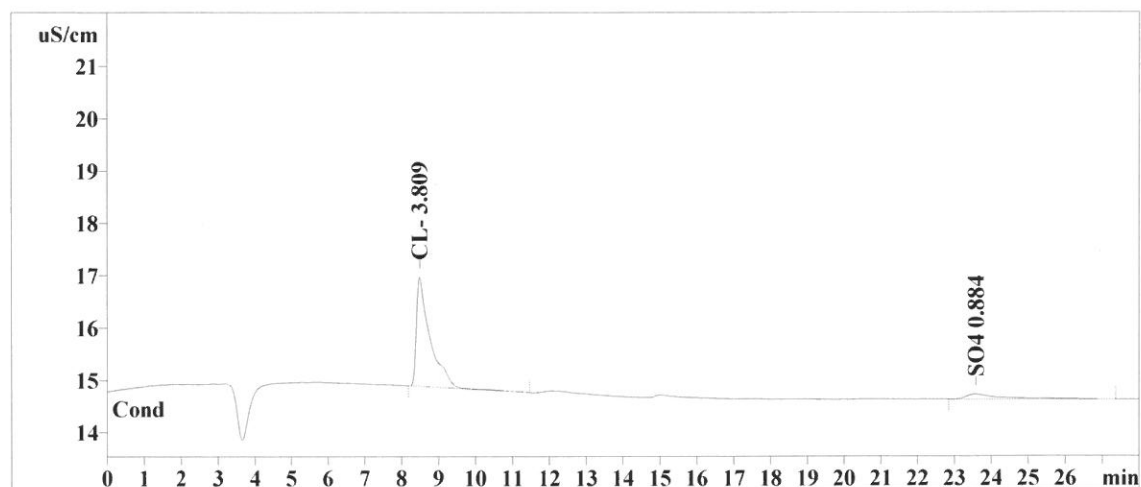
Last save: 12/19/2019 12:27:26 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69260

Last save: 12/16/2019 2:50:56 PM

SAMPLE:

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.49	0.350	2.08	95.49	54.857	88.82	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.58	0.735	0.10	4.42	6.906	11.18	0.
7	28.00	0.155	2.18	99.91	61.763	100.00	0.

This report has been created by IC Net
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Report date: 12/19/2019 11:00:37 AM
Printed by: wet

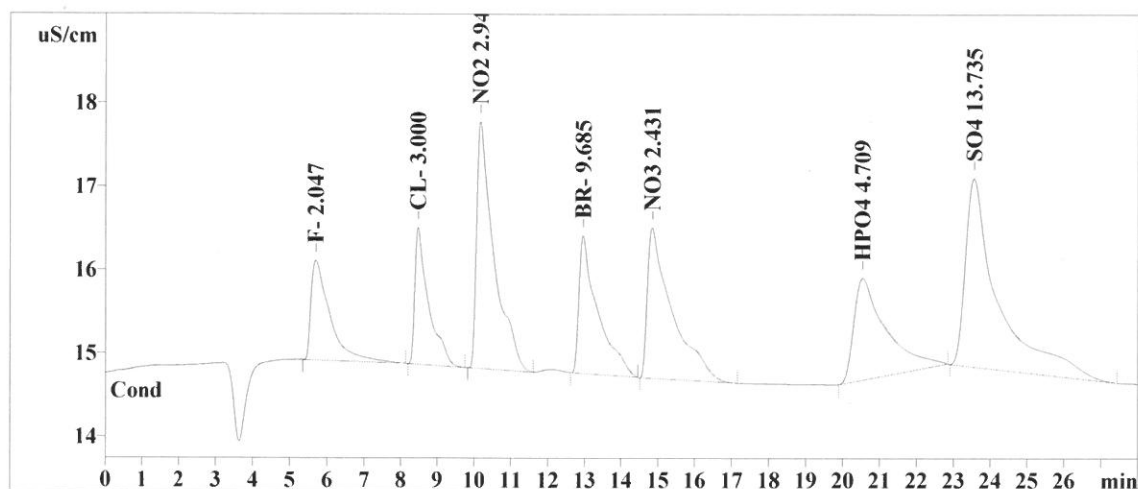
Ident: CCV
Analysis from: 12/19/2019 12:30:32 AM
File: _2019-12-19_

Last save: 12/19/2019 12:58:20 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69261

Last save: 12/16/2019 2:50:56 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	5.69	0.510	1.19	9.38	42.673	7.87	0.
2	8.46	0.356	1.64	12.87	43.164	7.96	0.
3	10.16	0.451	2.96	23.24	96.947	17.88	0.
4	12.95	0.493	1.65	12.96	59.556	10.99	0.
5	14.82	0.637	1.81	14.20	84.976	15.68	0.
6	20.53	0.834	1.22	9.59	73.917	13.64	0.
7	23.54	0.669	2.26	17.74	140.858	25.98	0.
7	28.00	0.564	12.72	99.98	542.092	100.00	0.

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Report date: 12/19/2019 11:00:45 AM
Printed by: wet

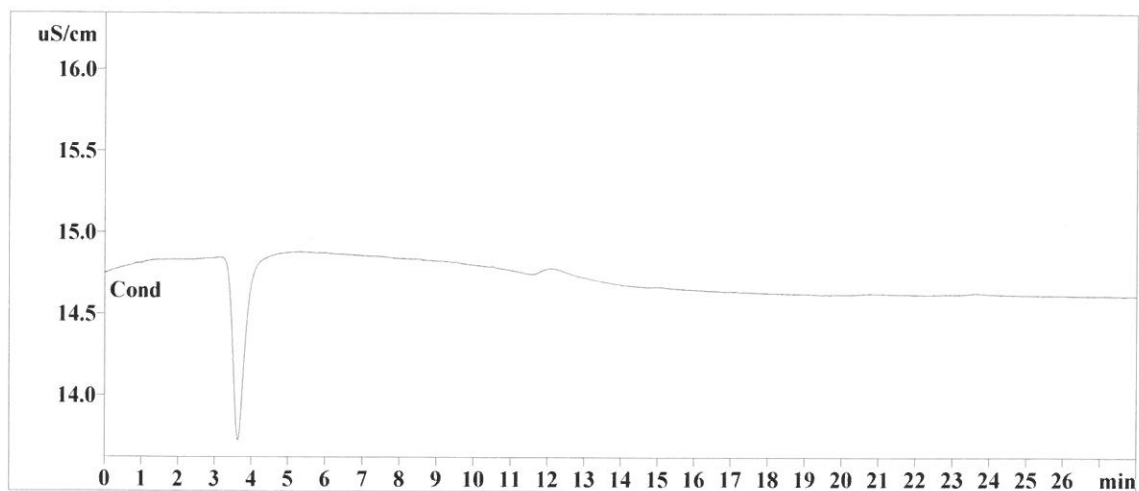
Ident: CCB
Analysis from: 12/19/2019 1:01:26 AM
File: _2019-12-19_

Last save: 12/19/2019 1:29:14 AM

Method: ANIONS 12-16-19.mtw
Run operator: wet
Analysis number: 69262

Last save: 12/16/2019 2:50:56 PM

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



Quantitation method: Custom

No peaks

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