

IC-1 300.0
6-21-18 RZ

Clear table

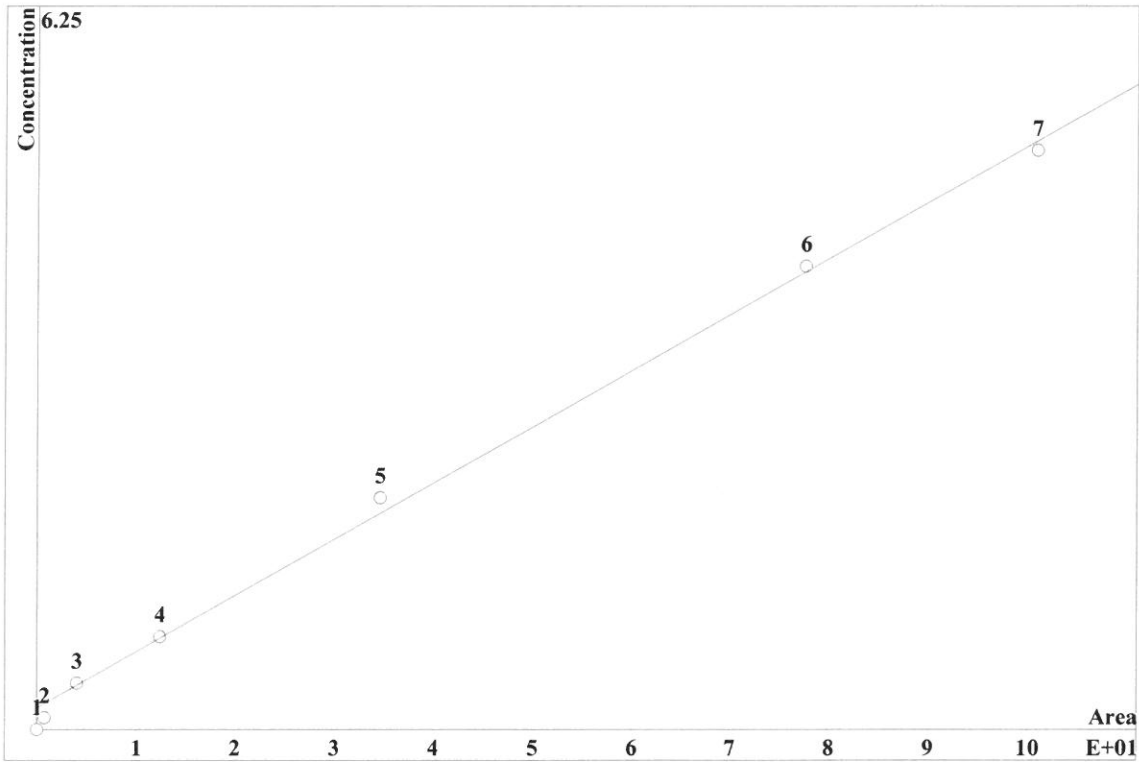
ident	concentrati on F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-11_	6/11/18 10:31
STD2	0.2020	0.2150	0.2270	0.7220	0.1760	0.0310	1.2780	_2018-06-11_	6/11/18 11:01
STD3	0.3660	0.6030	0.6210	2.0150	0.4940	1.0630	3.1400	_2018-06-11_	6/11/18 11:31
STD4	0.7860	1.1940	1.1700	3.8780	0.9640	2.1840	5.8600	_2018-06-11_	6/11/18 12:01
STD5	1.8970	2.8840	2.8680	9.7480	2.4710	5.0370	14.0380	_2018-06-11_	6/11/18 12:31
STD6	4.0490	6.0540	6.0630	20.1360	5.0200	9.9350	30.4340	_2018-06-11_	6/11/18 13:01
STD7	5.0830	7.6860	7.7060	25.4150	6.3680	12.6690	37.9200	_2018-06-11_	6/11/18 13:31
ICV	2.1340	2.8660	2.8280	9.5020	2.4350	5.3050	15.4210	_2018-06-11_	6/11/18 15:04
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-11_	6/11/18 15:33
CCV	2.0600	2.9840	2.9470	9.8520	2.4320	4.7640	14.6370	_2018-06-19_	6/19/18 8:15
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-19_	6/19/18 8:45
LB96140BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-19_	6/19/18 9:15
LB96140BSW	1.9990	2.8600	2.8300	9.4290	2.3580	5.0300	14.9120	_2018-06-19_	6/19/18 9:45
J3592-01	0.0000	15.7470	0.0000	0.6810	0.0000	0.0000	69.9080	_2018-06-19_	6/19/18 11:40
J3592-02	1.5260	25.0280	0.0000	0.0000	0.4170	0.0000	87.8490	_2018-06-19_	6/19/18 12:13
J3592-02DUP	2.0340	24.6090	0.0000	0.0000	0.4160	-0.1350	84.5180	_2018-06-19_	6/19/18 12:42
J3592-06	0.0000	232.8810	0.0000	0.0000	0.0000	0.0000	53.3420	_2018-06-19_	6/19/18 13:12
J3592-03MS	1.0840	25.6180	3.1630	10.9390	2.6660	0.2720	93.6140	_2018-06-19_	6/19/18 13:42
J3592-04MSD	1.1350	25.8660	3.3180	11.4350	2.8030	0.3380	95.2960	_2018-06-19_	6/19/18 14:12
CCV	1.9670	3.0280	2.9530	9.9110	2.4460	5.1350	14.8860	_2018-06-19_	6/19/18 15:12
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-19_	6/19/18 15:42
J3592-02DLX5	0.4410	4.2180	0.0000	0.0000	0.1710	0.0000	14.0630	_2018-06-19_	6/19/18 16:12
J3592-06DLX2	0.0000	110.4260	0.0000	0.0000	0.0000	0.0000	24.2180	_2018-06-19_	6/19/18 16:42
J3592-06DL2X50	0.0000	3.3770	0.0000	0.0000	0.0000	0.0000	1.8210	_2018-06-19_	6/19/18 17:12
CCV	1.9620	2.9400	2.9170	9.7110	2.4150	4.8300	14.4890	_2018-06-19_	6/19/18 17:42
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-19_	6/19/18 18:12
CCV	1.9380	2.9740	2.9380	9.7520	2.4150	4.9210	14.5390	_2018-06-20_	6/20/18 8:03
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-20_	6/20/18 8:33
LB96140BLW2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-06-20_	6/20/18 9:03
LB96140BSW2	1.9960	2.8740	2.8530	9.4950	2.3820	5.1920	14.9870	_2018-06-20_	6/20/18 9:33

IC-1 Cal 6-11-2018

AK

CALIBRATION OF COMPONENT F-

Method: ANIONS 06-11-18.mtw
Equation: $Q = 0.96991 \cdot A + 3.75265$
RSD: 5.047 %
Correlation coefficient: 0.998960



K3 = 0 K2 = 0 K1 = 0.96991 K0 = 3.75265

Base: Area

Ref.channel: Cond

ISTD:

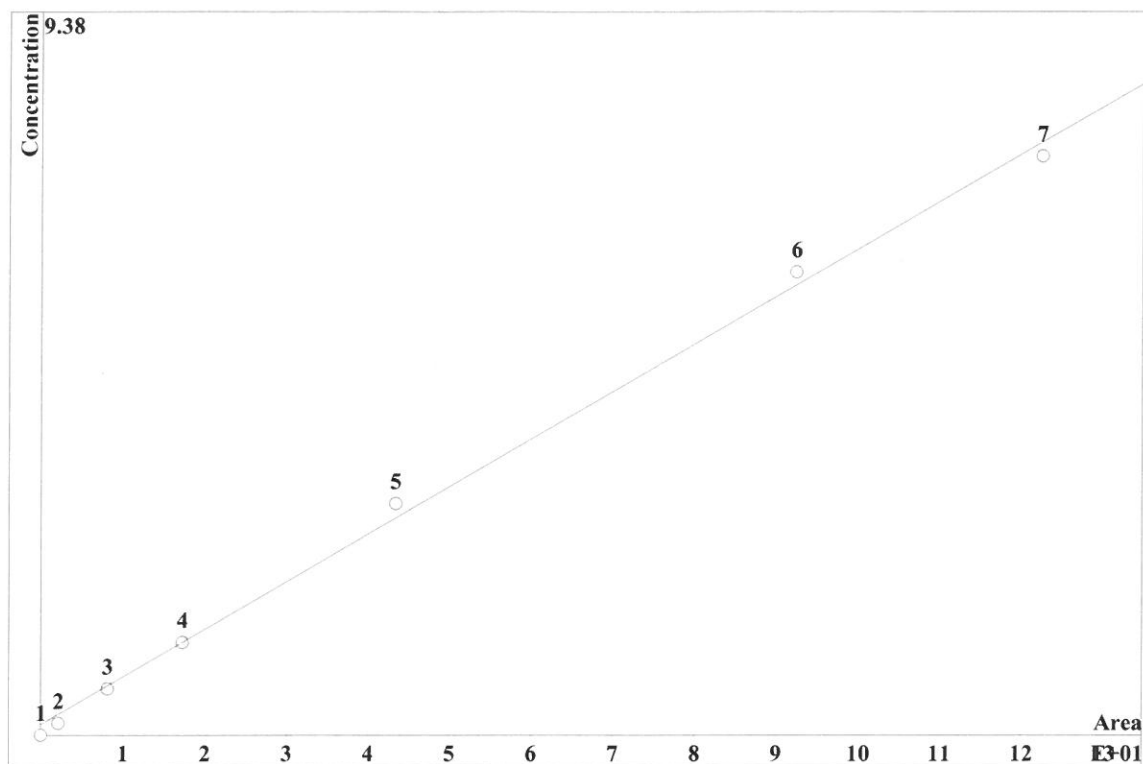
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.02191	0.7617	0.1	20	5.913			Yes
3	0.1211	4.025	0.4	20	5.913			Yes
4	0.2906	12.43	0.8	20	5.913			Yes
5	0.798	34.62	2	20	5.913			Yes
6	1.708	77.64	4	20	5.913			Yes
7	2.266	100.9	5	20	5.913			Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 06-11-18.mtw
 Equation: $Q = 1.23247 \cdot A + 2.78813$
 RSD: 5.476 %
 Correlation coefficient: 0.998775



K3 = 0 K2 = 0 K1 = 1.23247 K0 = 2.78813

Base: Area

Ref.channel: Cond

ISTD:

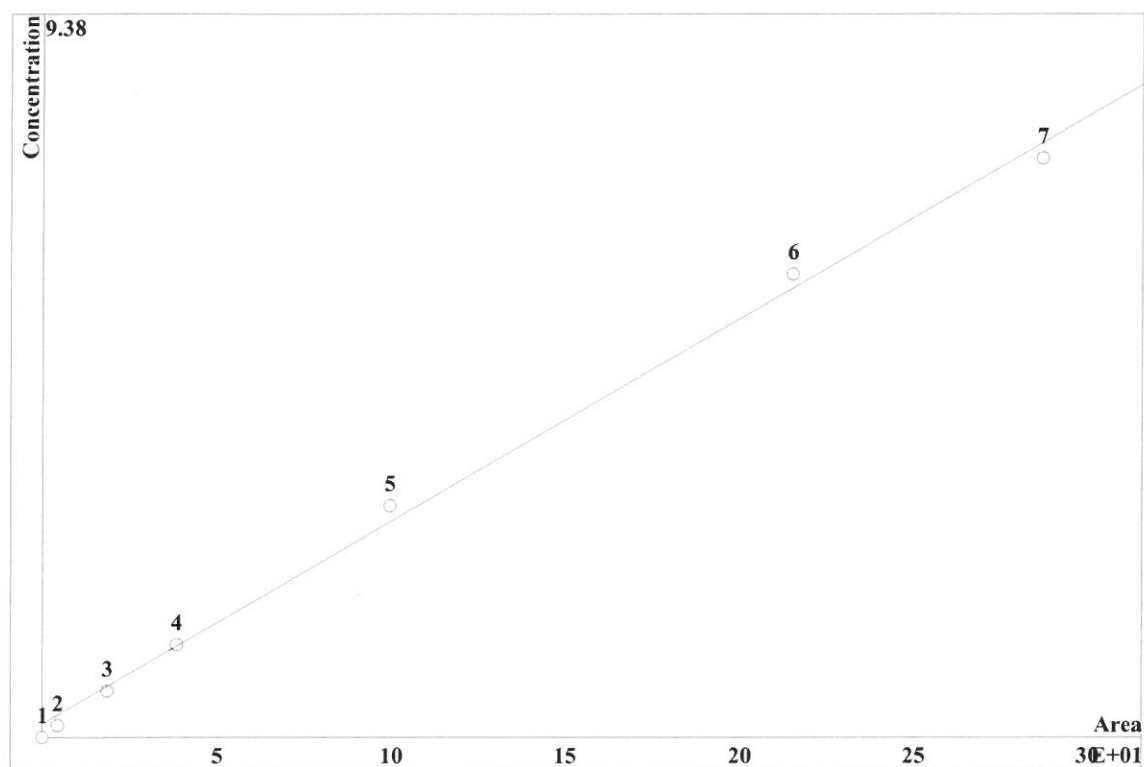
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.1264	2.138	0.15	20	8.858	Yes		Yes
3	0.4978	8.144	0.6	20	8.858	Yes		Yes
4	1.043	17.27	1.2	20	8.858	Yes		Yes
5	2.688	43.4	3	20	8.858	Yes		Yes
6	5.683	92.4	6	20	8.858	Yes		Yes
7	7.465	122.5	7.5	20	8.858	Yes		Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 06-11-18.mtw
 Equation: $Q = 0.525111 \cdot A + 3.49018$
 RSD: 6.162 %
 Correlation coefficient: 0.998449

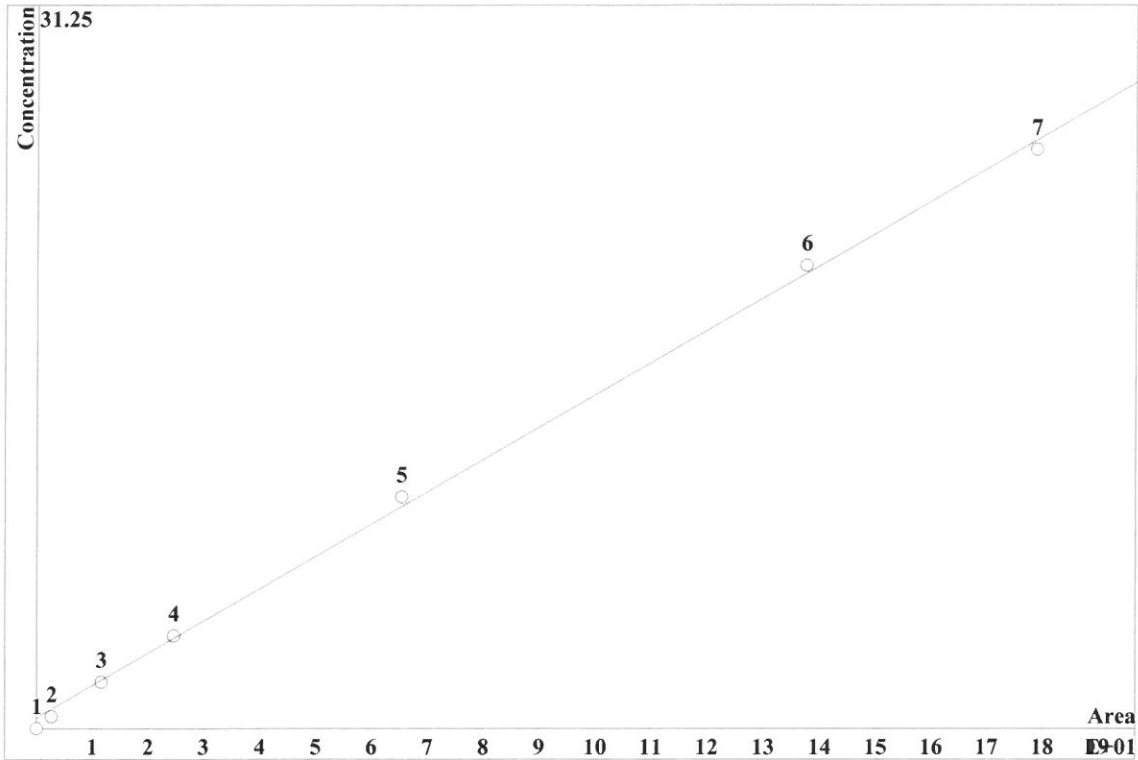


K3 = 0 K2 = 0 K1 = 0.525111 K0 = 3.49018
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.2394	4.404	0.15	20	10.65			Yes
3	0.9878	18.61	0.6	20	10.65			Yes
4	2.074	38.42	1.2	20	10.65			Yes
5	5.39	99.64	3	20	10.65			Yes
6	11.22	214.9	6	20	10.65			Yes
7	14.57	286.8	7.5	20	10.65			Yes

CALIBRATION OF COMPONENT BR-

Method: ANIONS 06-11-18.mtw
 Equation: $Q = 2.79052 \cdot A + 9.24087$
 RSD: 3.757 %
 Correlation coefficient: 0.999424

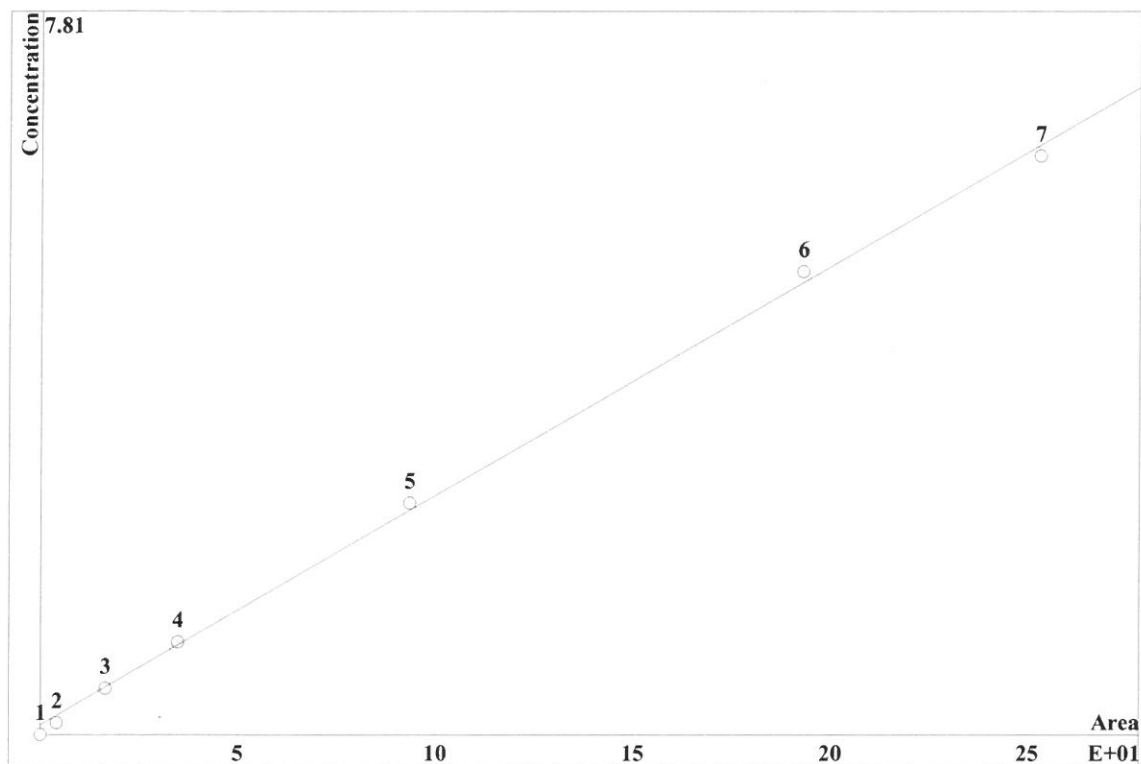


K3 = 0 K2 = 0 K1 = 2.79052 K0 = 9.24087
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0		0	0	0			No
2	0.1433		2.719	0.5	20		13.72	Yes
3	0.6082		11.7	2	20		13.72	Yes
4	1.29		24.64	4	20		13.72	Yes
5	3.353		65.42	10	20		13.72	Yes
6	6.956		137.6	20	20		13.72	Yes
7	8.929		178.8	25	20		13.72	Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 06-11-18.mtw
 Equation: $Q = 0.494945 \cdot A + 2.1299$
 RSD: 3.983 %
 Correlation coefficient: 0.999352



K3 = 0 K2 = 0 K1 = 0.494945 K0 = 2.1299

Base: Area

Ref.channel: Cond

ISTD:

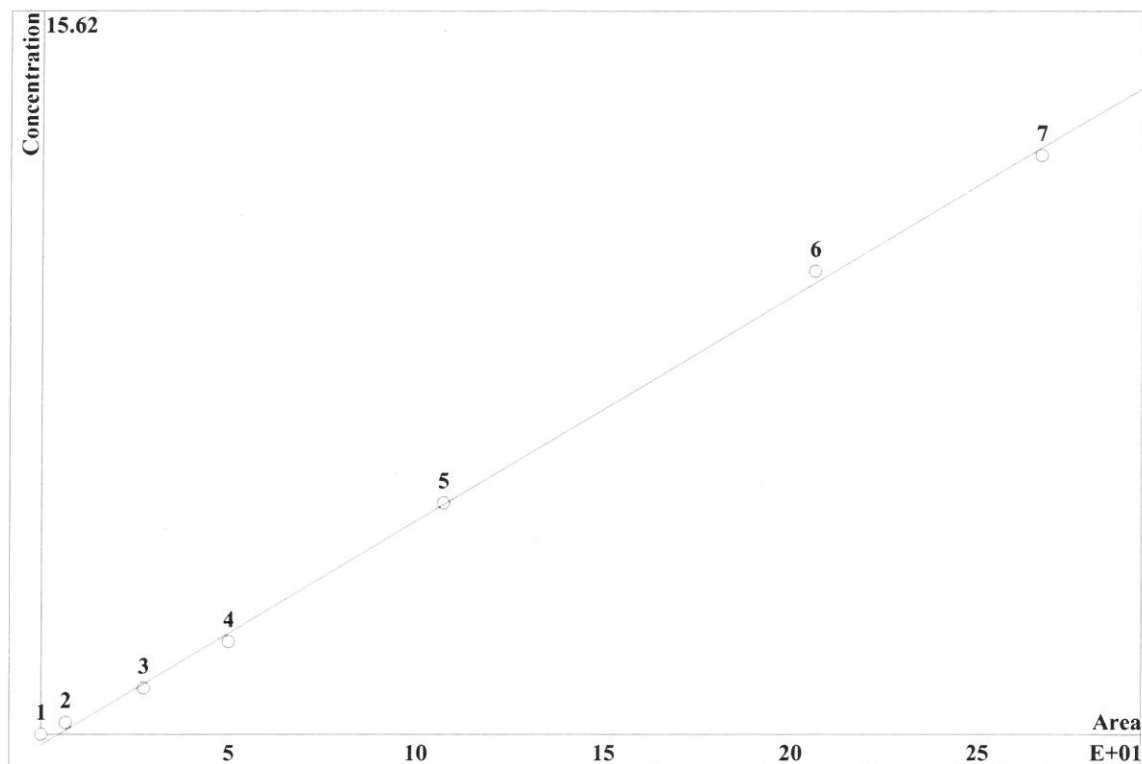
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.1843	4.199	0.125	20	15.65	Yes		
3	0.7548	16.6	0.5	20	15.65	Yes		
4	1.604	34.93	1	20	15.65	Yes		
5	4.233	93.68	2.5	20	15.65	Yes		
6	9.2	193	5	20	15.65	Yes		
7	12.18	253	6.25	20	15.65	Yes		

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 06-11-18.mtw
 Equation: $Q = 0.96711 \cdot A - 4.51826$
 RSD: 3.961 %
 Correlation coefficient: 0.999360



K3 = 0 K2 = 0 K1 = 0.96711 K0 = -4.51826

Base: Area

Ref.channel: Cond

ISTD:

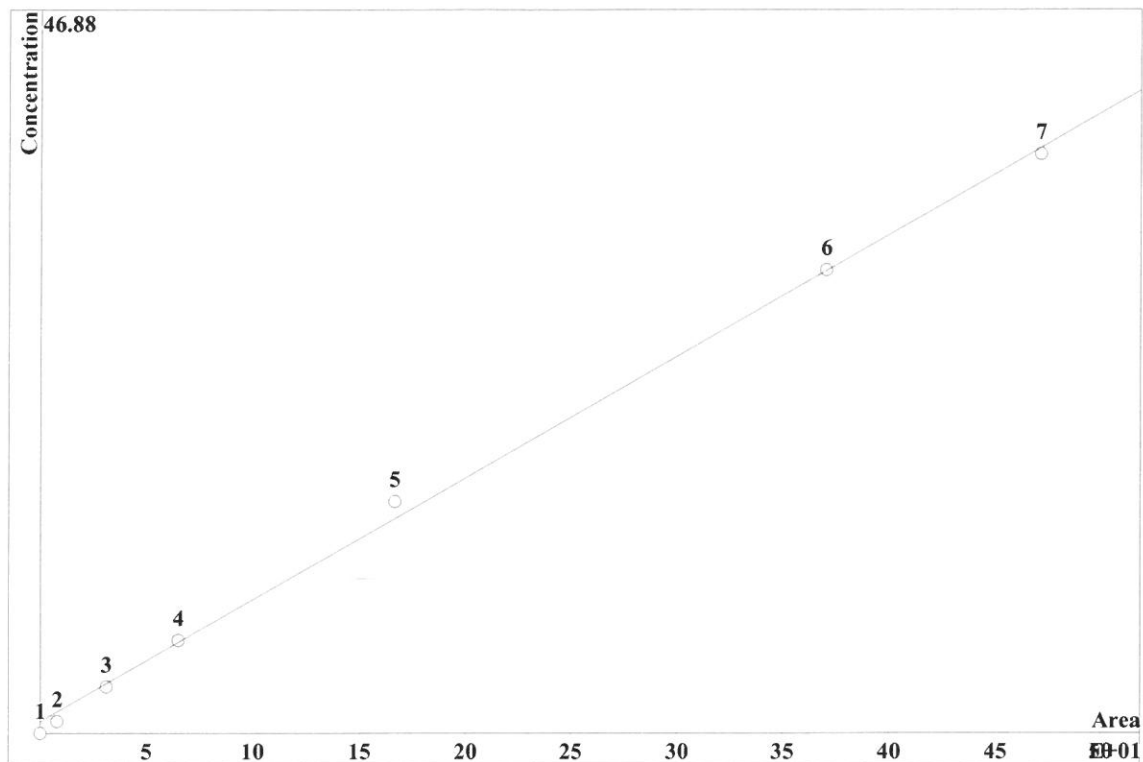
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.1633	6.472	0.25	20	21.48			Yes
3	0.6769	27.29	1	20	21.48			Yes
4	1.281	49.89	2	20	21.48			Yes
5	2.972	107.4	5	20	21.48			Yes
6	5.923	206.2	10	20	21.48			Yes
7	7.72	266.7	12.5	20	21.48			Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 06-11-18.mtw
 Equation: $Q = 1.57728 \cdot A + 15.0858$
 RSD: 4.461 %
 Correlation coefficient: 0.999188



K3 = 0 K2 = 0 K1 = 1.57728 K0 = 15.0858

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	0.2582	8.071	0.75	20	25.17	Yes		
3	1.015	31.21	3	20	25.17	Yes		
4	2.134	65	6	20	25.17	Yes		
5	5.625	166.6	15	20	25.17	Yes		
6	12.26	370.2	30	20	25.17	Yes		
7	16.19	471.3	37.5	20	25.17	Yes		

Report date: 6/12/2018 10:59:22 AM
Printed by: wet

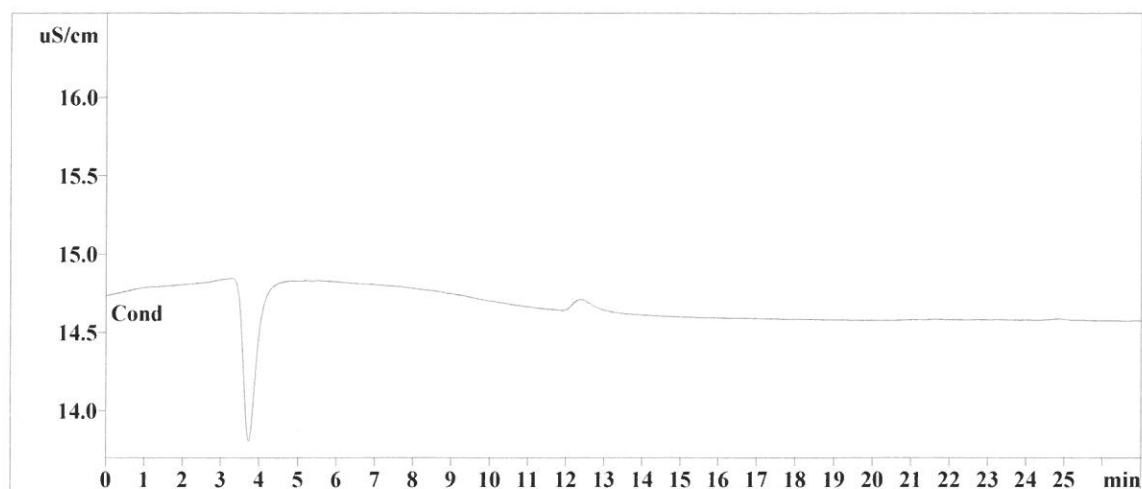
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File: _2018-06-11_

Last save: 6/11/2018 3:12:06 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62553

Last save: 6/11/2018 9:33:02 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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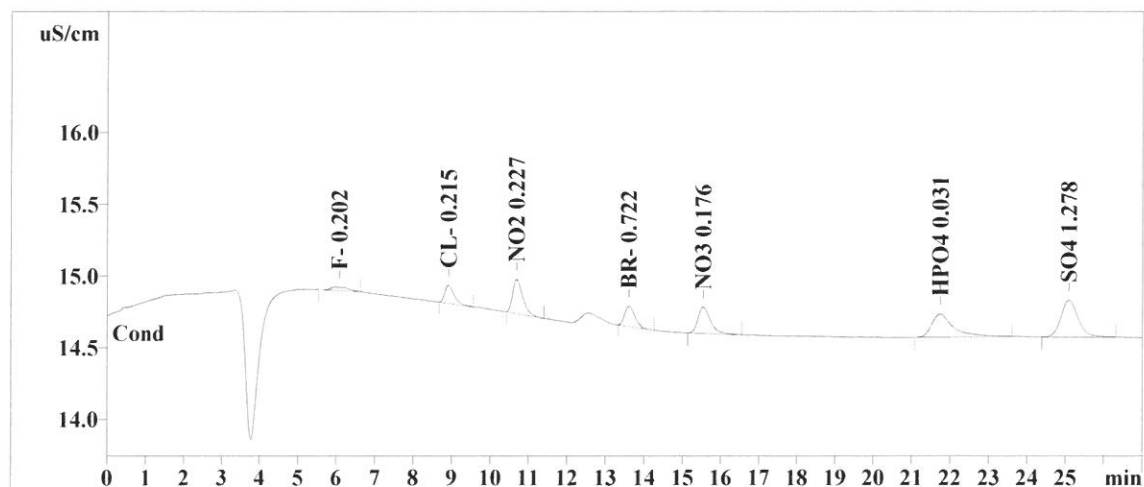
Report date: 6/12/2018 10:59:35 AM
Printed by: wet

Ident: STD2
Analysis from: 6/11/2018 11:01:44 AM
File: _2018-06-11_
Manual peaks!
Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62554

Last save: 6/11/2018 3:12:06 PM

Last save: 6/11/2018 9:33:02 AM

SAMPLE:
:
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	6.08	0.531	0.02	1.96	0.762	2.65	0.
2	8.91	0.252	0.13	11.06	2.138	7.43	0.
3	10.69	0.278	0.24	20.99	4.404	15.31	0.
4	13.61	0.294	0.14	12.58	2.719	9.45	0.
5	15.54	0.336	0.18	16.14	4.199	14.60	0.
6	21.74	0.537	0.16	14.24	6.472	22.50	0.
7	25.09	0.467	0.26	22.64	8.071	28.06	0.
7	27.00	0.385	1.13	99.62	28.765	100.00	0.

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Report date: 6/12/2018 10:59:46 AM
 Printed by: wet

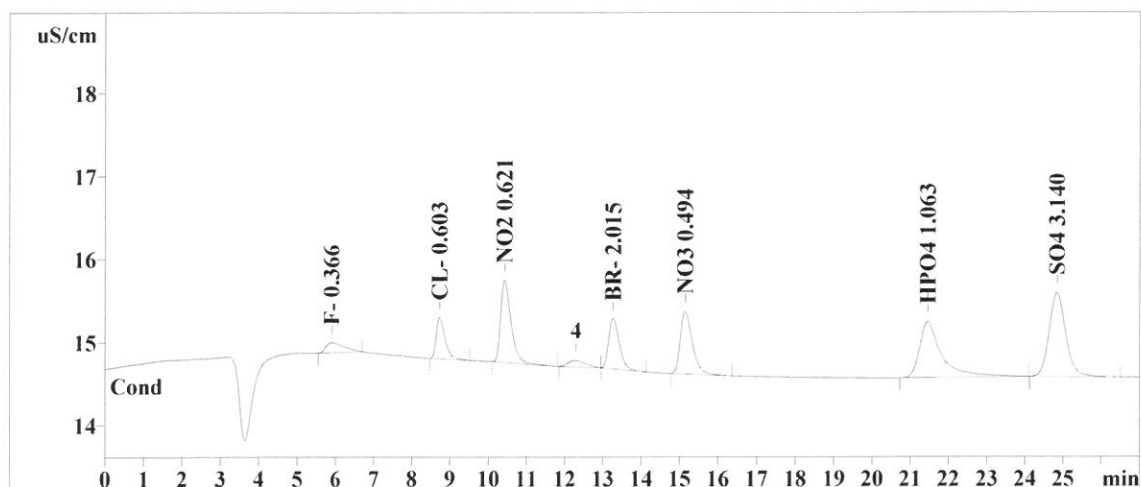
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 File: _2018-06-11_

Last save: 6/11/2018 3:12:06 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62555

Last save: 6/11/2018 9:33:02 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	5.90	0.535	0.12	2.54	4.025	3.35	0.
2	8.72	0.244	0.50	10.49	8.144	6.78	0.
3	10.42	0.275	0.99	20.84	18.613	15.50	0.
4	13.27	0.292	0.61	12.83	11.702	9.75	0.
5	15.15	0.327	0.75	15.91	16.597	13.82	0.
6	21.46	0.519	0.68	14.27	27.290	22.73	0.
7	24.83	0.459	1.01	21.38	31.205	25.99	0.
7	27.00	0.379	4.66	98.25	117.577	97.93	0.

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Report date: 6/12/2018 10:59:54 AM
 Printed by: wet

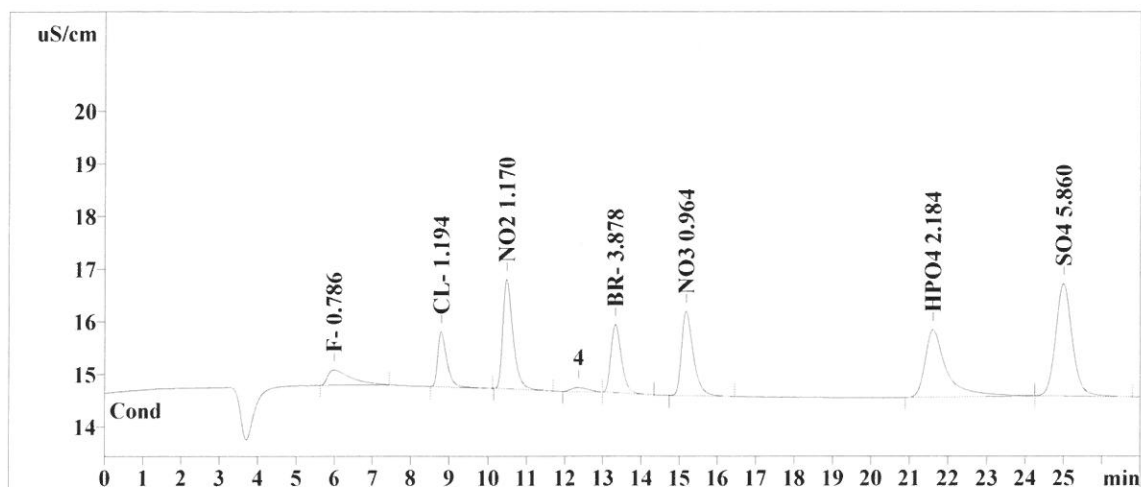
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Last save: 6/11/2018 3:12:06 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62556

Last save: 6/11/2018 9:33:02 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	5.99	0.624	0.29	2.96	12.425	5.07	0.
2	8.79	0.243	1.04	10.64	17.274	7.05	0.
3	10.48	0.272	2.07	21.17	38.417	15.68	0.
4	13.32	0.289	1.29	13.17	24.644	10.06	0.
5	15.18	0.323	1.60	16.36	34.927	14.25	0.
6	21.61	0.503	1.28	13.07	49.889	20.36	0.
7	24.99	0.454	2.13	21.79	64.995	26.52	0.
7	27.00	0.387	9.72	99.16	242.571	98.99	0.

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Report date: 6/12/2018 11:00:02 AM
 Printed by: wet

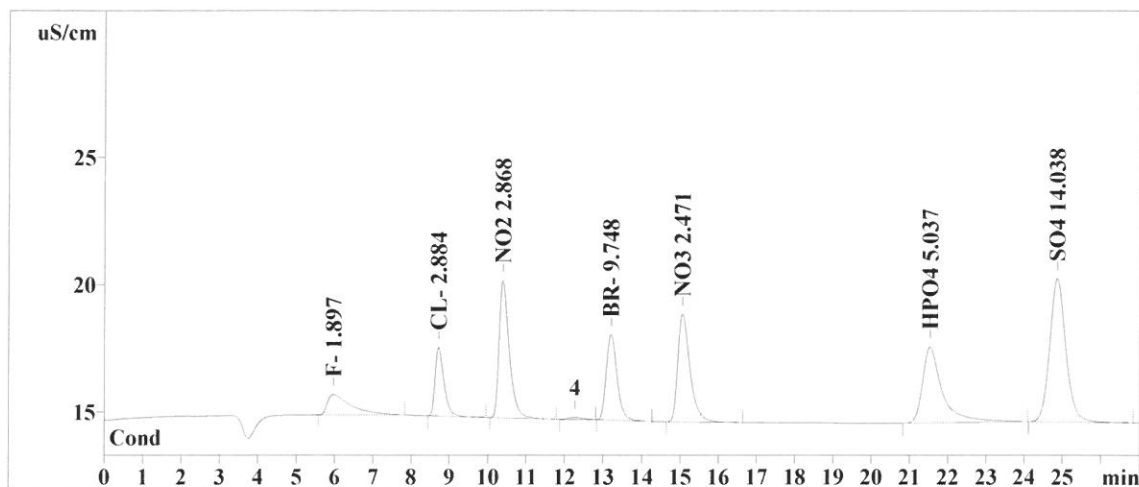
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 File: _2018-06-11_

Last save: 6/11/2018 3:12:06 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62557

Last save: 6/11/2018 9:33:02 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	5.97	0.611	0.80	3.17	34.621	5.65	0.
2	8.71	0.239	2.69	10.69	43.404	7.08	0.
3	10.39	0.272	5.39	21.44	99.643	16.25	0.
4	13.20	0.295	3.35	13.33	65.419	10.67	0.
5	15.06	0.327	4.23	16.84	93.684	15.28	0.
6	21.53	0.472	2.97	11.82	107.418	17.52	0.
7	24.86	0.443	5.62	22.38	166.568	27.17	0.
7	27.00	0.380	25.05	99.67	610.755	99.63	0.

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Report date: 6/12/2018 11:00:10 AM
 Printed by: wet

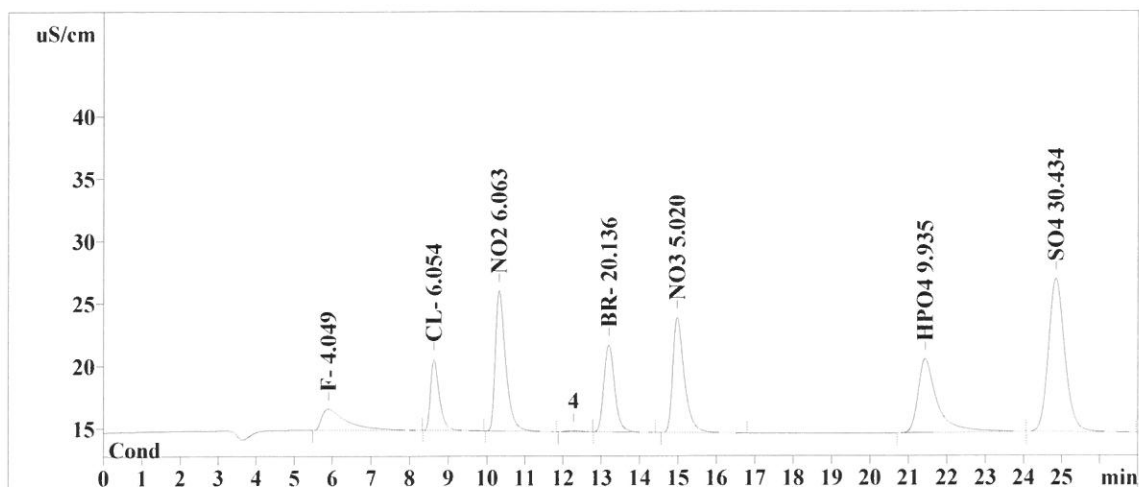
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 File: _2018-06-11_

Last save: 6/11/2018 3:12:06 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62558

Last save: 6/11/2018 9:33:02 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	5.89	0.619	1.71	3.22	77.640	6.00	0.
2	8.62	0.240	5.68	10.72	92.398	7.14	0.
3	10.32	0.283	11.22	21.16	214.906	16.61	0.
4	13.20	0.300	6.96	13.12	137.582	10.63	0.
5	14.97	0.307	9.20	17.35	193.026	14.92	0.
6	21.43	0.459	5.92	11.17	206.201	15.93	0.
7	24.85	0.453	12.26	23.12	370.238	28.61	0.
7	27.00	0.380	52.95	99.86	1291.990	99.84	0.

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Report date: 6/12/2018 11:00:19 AM
 Printed by: wet

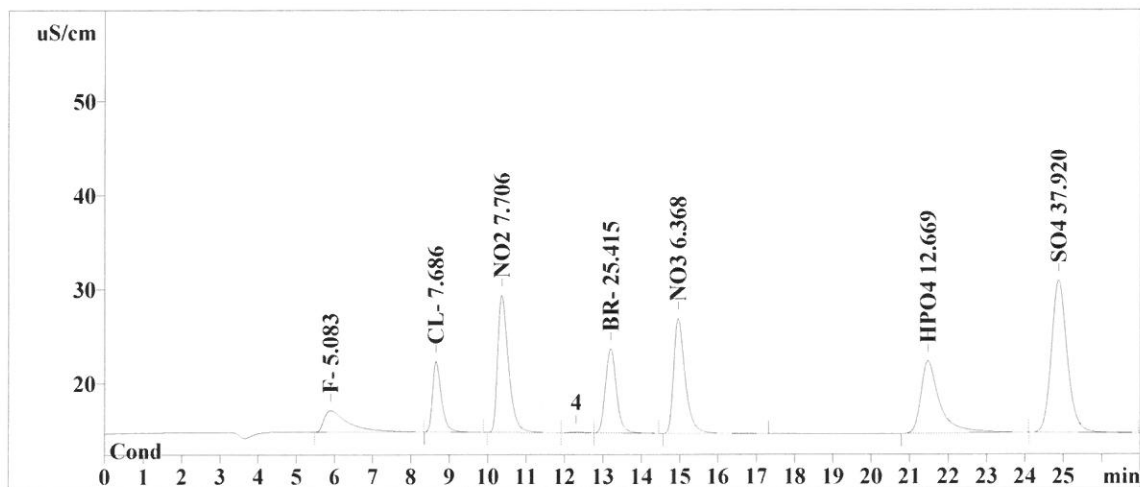
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Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62559

Last save: 6/11/2018 3:12:22 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	5.90	0.612	2.27	3.26	100.945	6.00	0.
2	8.65	0.242	7.47	10.76	122.467	7.28	0.
3	10.36	0.292	14.57	20.99	286.847	17.06	0.
4	13.20	0.305	8.93	12.87	178.843	10.63	0.
5	14.96	0.304	12.18	17.55	253.029	15.04	0.
6	21.47	0.460	7.72	11.13	266.677	15.86	0.
7	24.87	0.436	16.19	23.33	471.268	28.02	0.
7	27.00	0.379	69.32	99.90	1680.077	99.90	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/12/2018 11:00:38 AM
 Printed by: wet

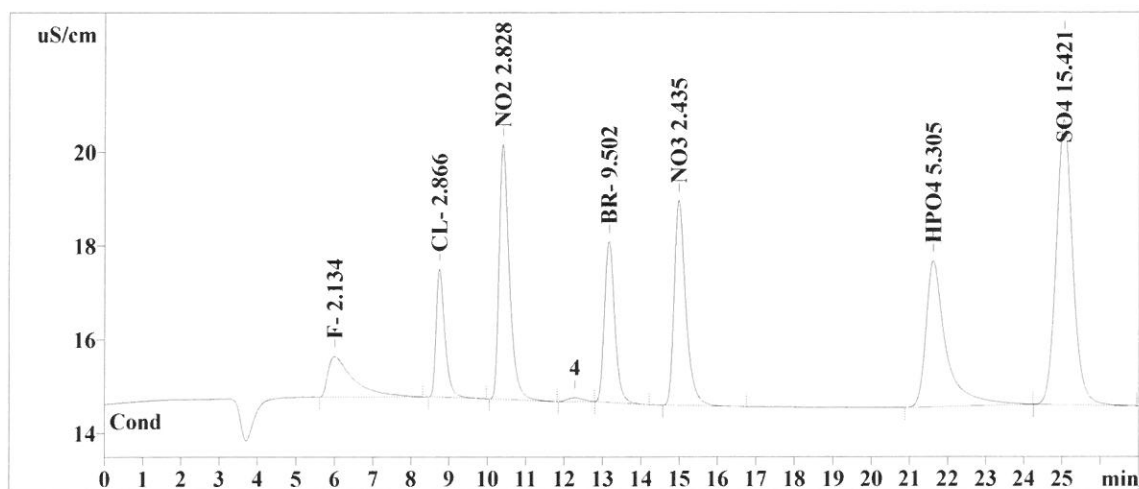
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Last save: 6/11/2018 4:37:10 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62562

Last save: 6/11/2018 3:12:22 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	6.00	0.638	0.86	3.30	40.127	6.20	0.
2	8.74	0.240	2.73	10.45	44.246	6.84	0.
3	10.40	0.274	5.43	20.80	101.071	15.62	0.
4	13.16	0.286	3.43	13.15	64.790	10.01	0.
5	14.98	0.317	4.37	16.74	94.097	14.54	0.
6	21.62	0.476	3.12	11.93	114.385	17.68	0.
7	25.04	0.459	6.08	23.29	185.972	28.74	0.
7	27.00	0.384	26.03	99.67	644.688	99.63	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/12/2018 11:00:46 AM
Printed by: wet

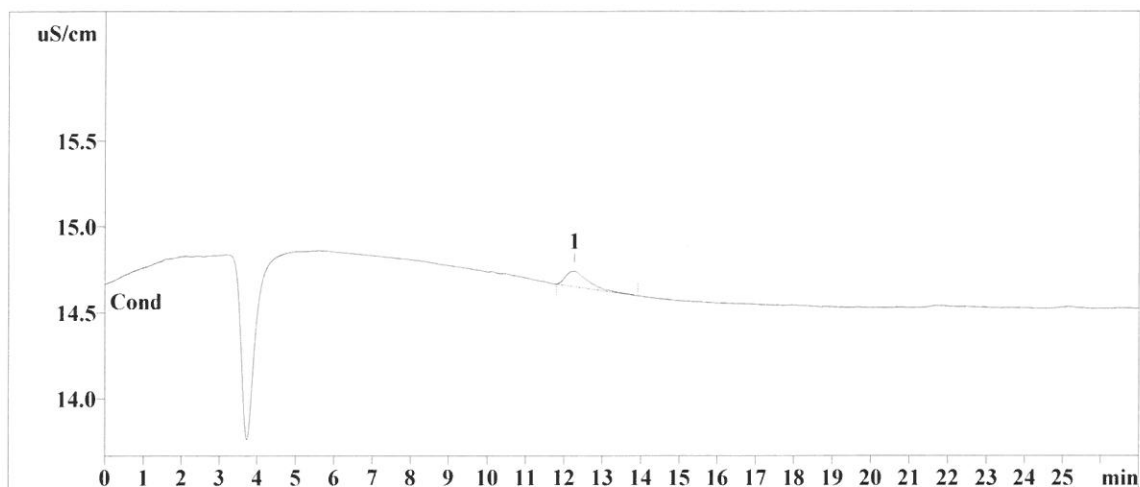
Ident: ICB
Analysis from: 6/11/2018 3:33:57 PM
File: _2018-06-11_

Last save: 6/11/2018 4:37:10 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62563

Last save: 6/11/2018 3:12:22 PM

SAMPLE:
: AK/AP
Vial number: 12
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	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: 6/20/2018 10:48:37 AM
Printed by: wet

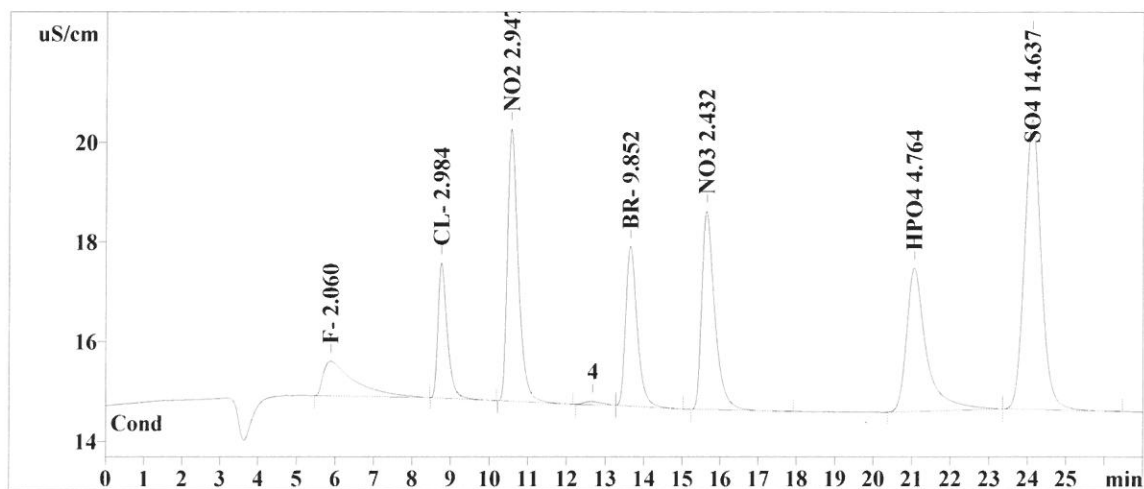
Ident: CCV
Analysis from: 6/19/2018 8:15:56 AM
File: _2018-06-19_

Last save: 6/19/2018 8:42:46 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62725

Last save: 6/15/2018 8:48:46 AM

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	0.761	0.69	2.79	38.615	6.10	0.
2	8.75	0.251	2.71	10.92	46.158	7.29	0.
3	10.56	0.285	5.46	22.03	105.598	16.68	0.
4	13.64	0.316	3.20	12.90	67.302	10.63	0.
5	15.63	0.345	3.97	16.03	93.976	14.85	0.
6	21.05	0.481	2.88	11.61	103.183	16.30	0.
7	24.11	0.454	5.81	23.44	176.036	27.81	0.
7	27.00	0.413	24.72	99.72	630.868	99.67	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 10:49:09 AM
Printed by: wet

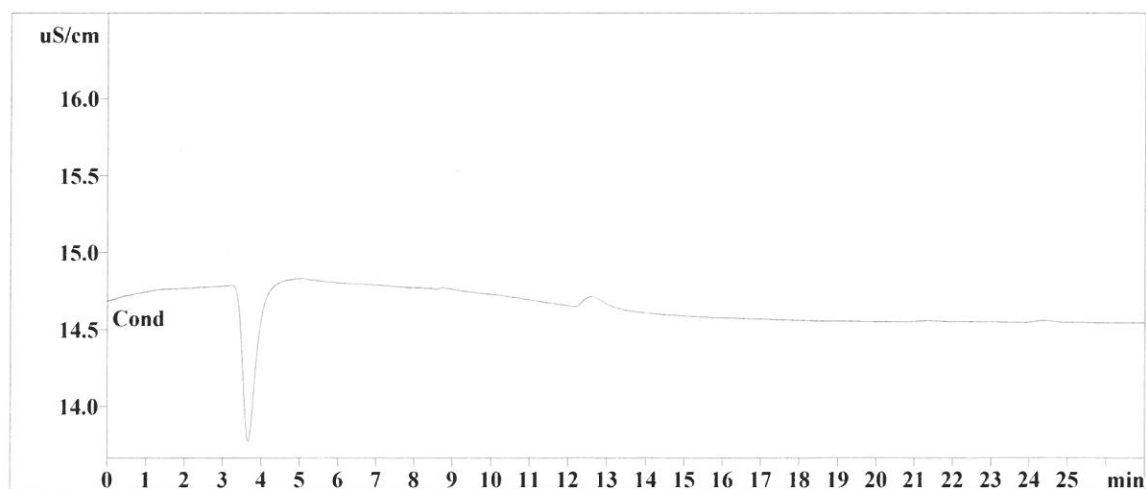
Ident: CCB
Analysis from: 6/19/2018 8:45:52 AM
File: _2018-06-19_

Last save: 6/20/2018 10:49:08 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62726

Last save: 6/15/2018 8:48:46 AM

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: 6/20/2018 10:49:35 AM
Printed by: wet

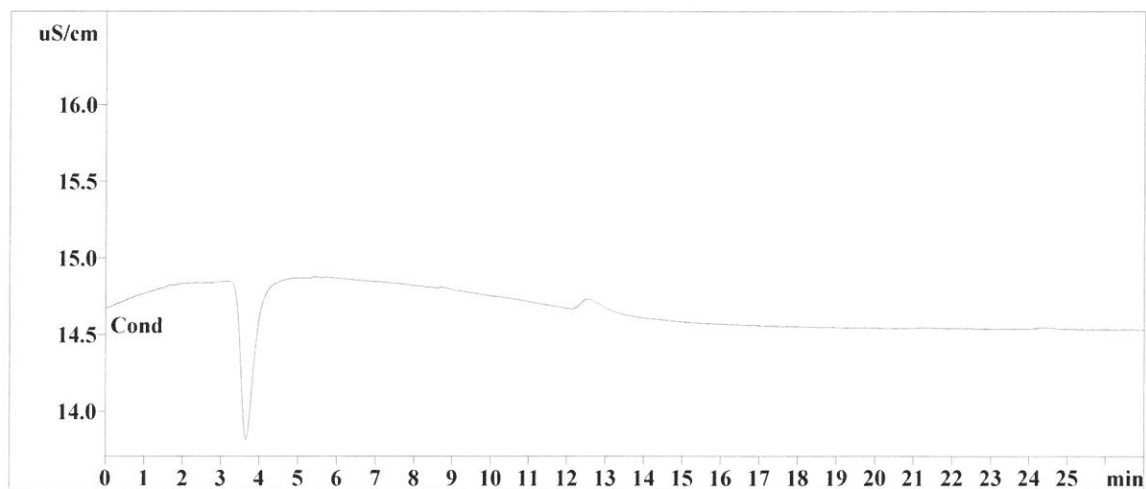
Ident: LB96140BLW
Analysis from: 6/19/2018 9:15:47 AM
File: _2018-06-19_

Last save: 6/20/2018 10:49:28 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62727

Last save: 6/15/2018 8:48:46 AM

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: 6/20/2018 10:50:05 AM
Printed by: wet

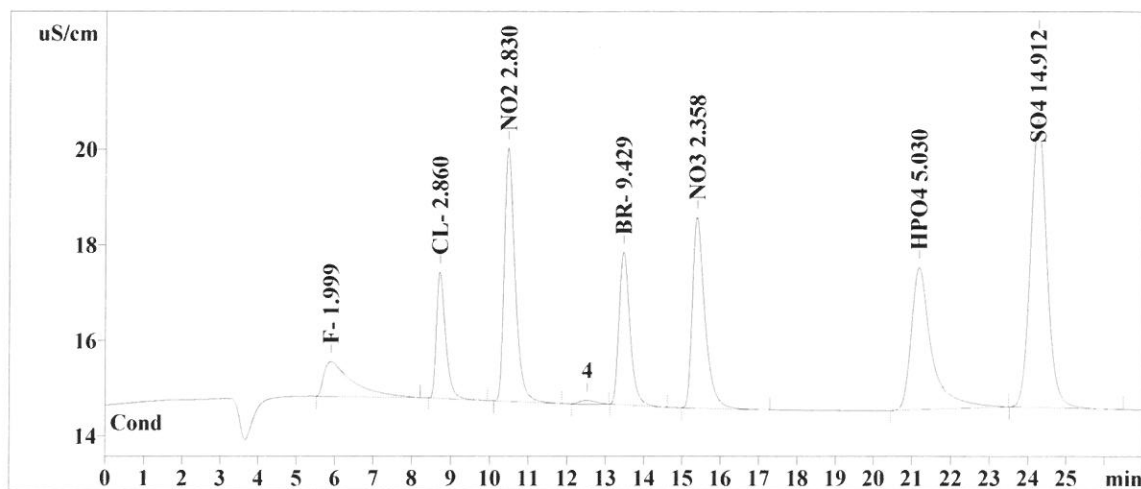
Ident: LB96140BSW
Analysis from: 6/19/2018 9:45:43 AM
File: _2018-06-19_

Last save: 6/20/2018 10:28:52 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62728

Last save: 6/15/2018 8:48:46 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	0.705	0.73	2.92	37.350	5.94	0.
2	8.71	0.248	2.64	10.60	44.142	7.02	0.
3	10.47	0.282	5.29	21.23	101.152	16.10	0.
4	13.47	0.304	3.19	12.80	64.265	10.23	0.
5	15.38	0.335	3.99	16.01	90.978	14.48	0.
6	21.17	0.487	2.97	11.93	108.691	17.30	0.
7	24.25	0.448	6.03	24.18	179.515	28.56	0.
7	27.00	0.401	24.84	99.68	626.093	99.62	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 10:50:32 AM
Printed by: wet

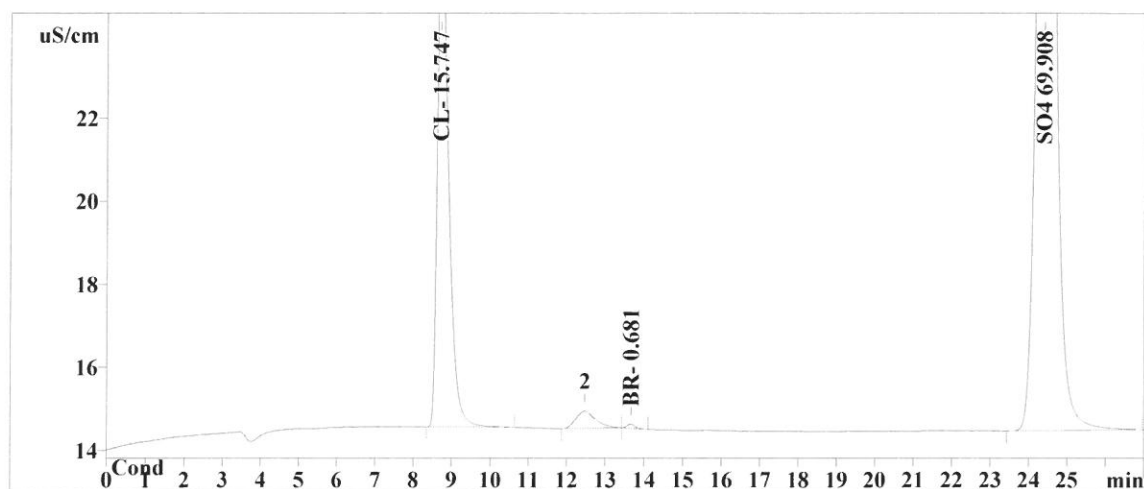
Ident: J3592-01
Analysis from: 6/19/2018 11:40:15 AM
File: _2018-06-19_

Last save: 6/19/2018 2:03:54 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62730

Last save: 6/15/2018 8:48:46 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.70	0.303	12.58	28.78	253.275	22.09	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.66	0.238	0.10	0.23	1.566	0.14	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	24.39	0.429	30.60	70.03	876.875	76.49	0.
7	27.00	0.139	43.28	99.05	1131.716	98.72	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:03:49 AM
Printed by: wet

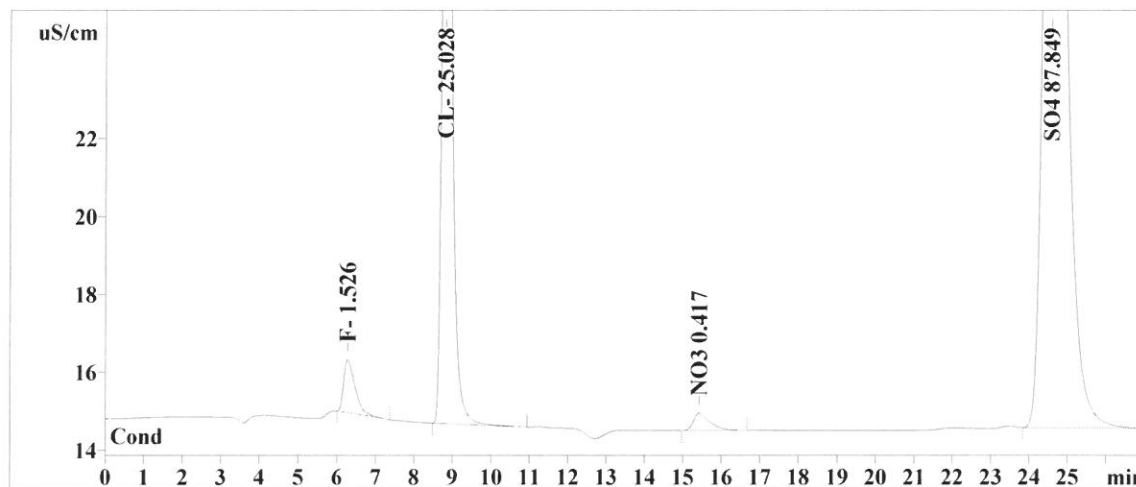
Ident: J3592-02
Analysis from: 6/19/2018 12:13:01 PM
File: _2018-06-19_

Last save: 6/20/2018 11:03:44 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62732

Last save: 6/15/2018 8:48:46 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	6.28	0.300	1.36	2.25	27.595	1.78	0.
2	8.81	0.229	26.04	43.05	403.880	26.08	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.44	0.421	0.44	0.72	12.545	0.81	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	24.58	0.500	32.64	53.98	1104.366	71.32	0.
7	27.00	0.207	60.47	100.00	1548.385	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:05:01 AM
Printed by: wet

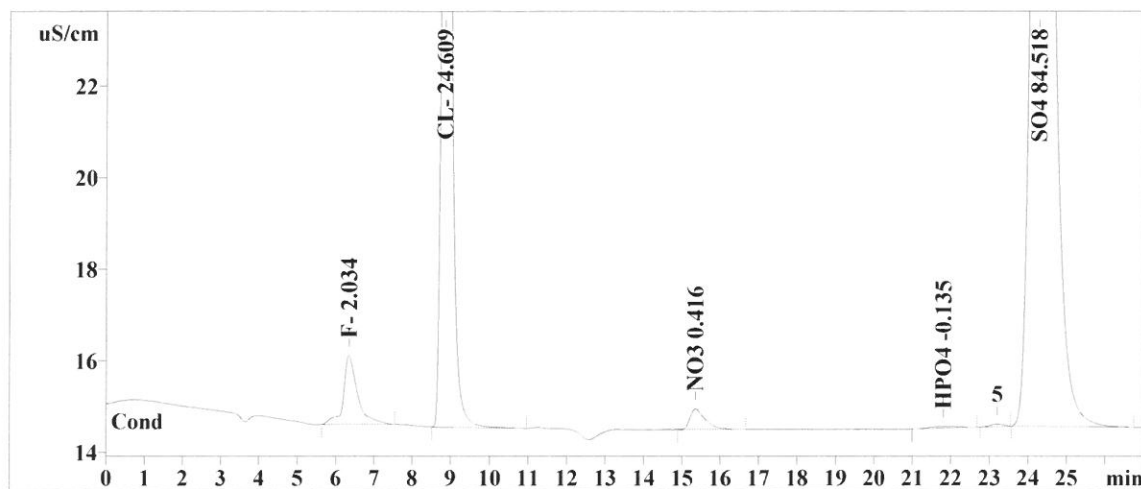
Ident: J3592-02DUP
Analysis from: 6/19/2018 12:42:57 PM
File: _2018-06-19_

Last save: 6/20/2018 11:05:00 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62733

Last save: 6/15/2018 8:48:46 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	6.34	0.323	1.50	2.46	38.081	2.52	0.
2	8.84	0.223	26.30	43.04	397.080	26.25	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	15.35	0.405	0.45	0.74	12.501	0.83	0.
6	21.79	0.834	0.04	0.06	1.875	0.12	0.
7	24.27	0.482	32.76	53.60	1062.132	70.20	0.
7	27.00	0.324	61.06	99.90	1511.669	99.92	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:06:19 AM
Printed by: wet

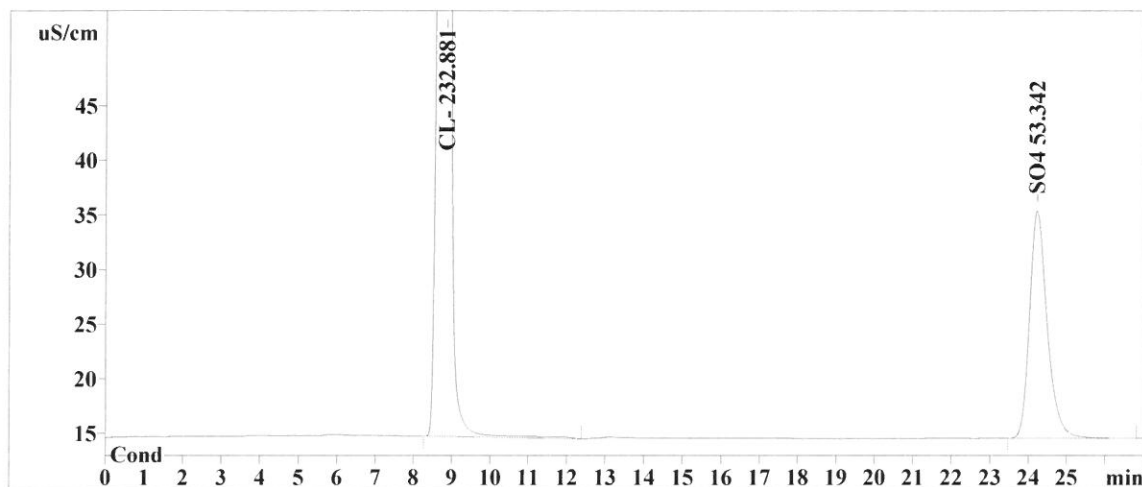
Ident: J3592-06
Analysis from: 6/19/2018 1:12:52 PM
File: _2018-06-19_

Last save: 6/20/2018 11:05:46 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62734

Last save: 6/15/2018 8:48:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.85	0.256	230.35	91.72	3776.829	84.99	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	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	24.22	0.473	20.80	8.28	666.808	15.01	0.
7	27.00	0.104	251.15	100.00	4443.638	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:09:52 AM
Printed by: wet

Ident: J3592-03MS
Analysis from: 6/19/2018 1:42:48 PM
File: _2018-06-19_
Modified!
Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62735

Last save: 6/19/2018 2:14:00 PM

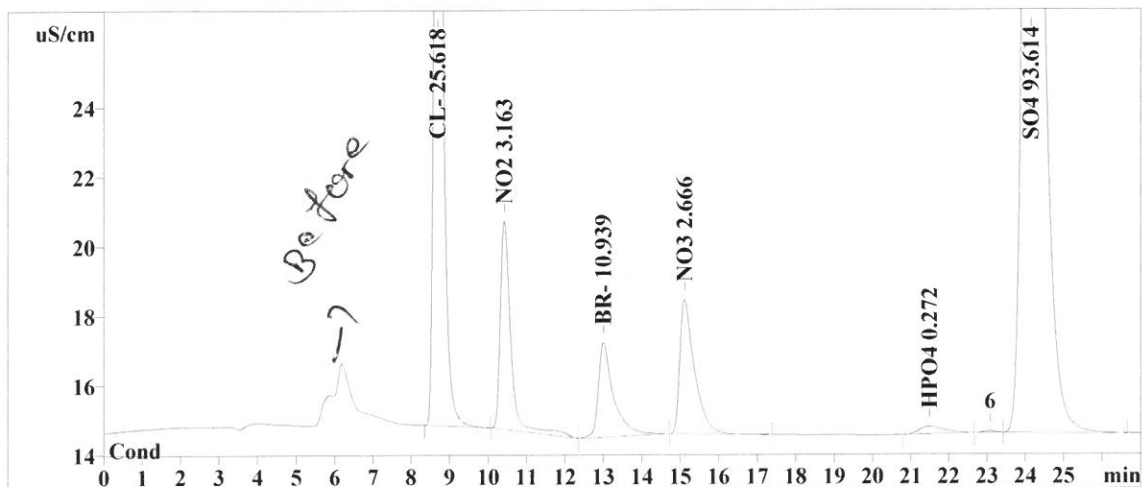
Last save: 6/15/2018 8:48:46 AM

SAMPLE:
:
Vial number: 9
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

AK/AP

A2
8.2-18

Peak was not integrated by software



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	8.68	0.224	27.35	35.55	413.449	21.82	0.
3	10.42	0.261	5.99	7.78	113.826	6.01	0.
4	13.00	0.351	2.73	3.54	75.091	3.96	0.
5	15.12	0.388	3.87	5.03	103.414	5.46	0.
6	21.49	0.715	0.22	0.29	10.288	0.54	0.
7	24.15	0.478	36.73	47.74	1177.459	62.15	0.
7	27.00	0.345	76.89	99.94	1893.528	99.94	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:21:33 AM
Printed by: wet

Ident: J3592-03MS
Analysis from: 6/19/2018 1:42:48 PM
File: _2018-06-19_

Last save: 6/20/2018 11:21:32 AM

Manual peaks!

Method: ANIONS 06-11-18.mtw

Last save: 6/15/2018 8:48:46 AM

Run operator: wet

Analysis number: 62735

SAMPLE:

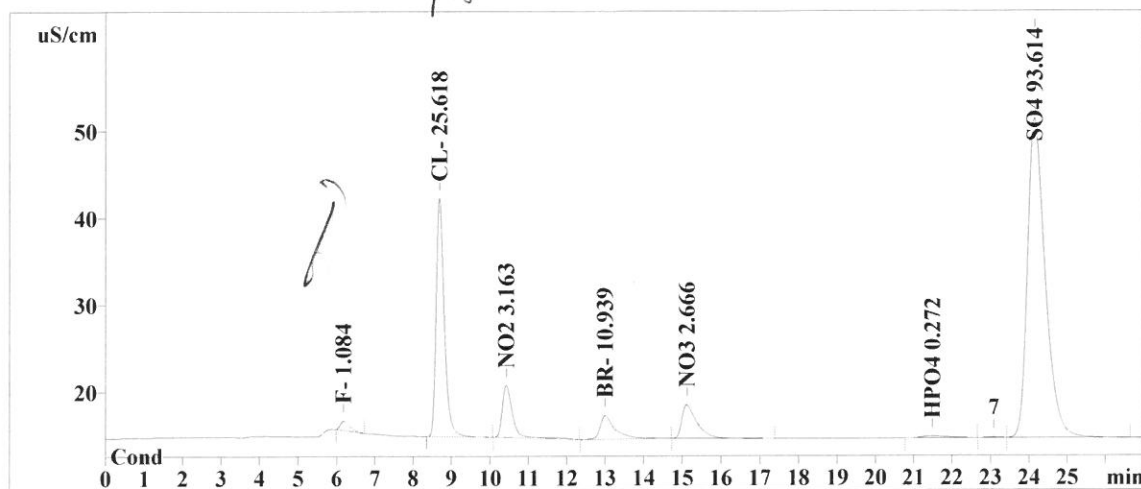
: AK/AP

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	6.20	0.272	1.09	1.39	18.482	0.97	0.
2	8.68	0.224	27.35	35.06	413.449	21.61	0.
3	10.42	0.261	5.99	7.67	113.826	5.95	0.
4	13.00	0.351	2.73	3.49	75.091	3.93	0.
5	15.12	0.388	3.87	4.96	103.414	5.41	0.
6	21.49	0.715	0.22	0.28	10.288	0.54	0.
7	24.15	0.478	36.73	47.09	1177.459	61.55	0.
7	27.00	0.384	77.98	99.95	1912.010	99.94	0.

This report has been created by IC Net
METROHM LTD

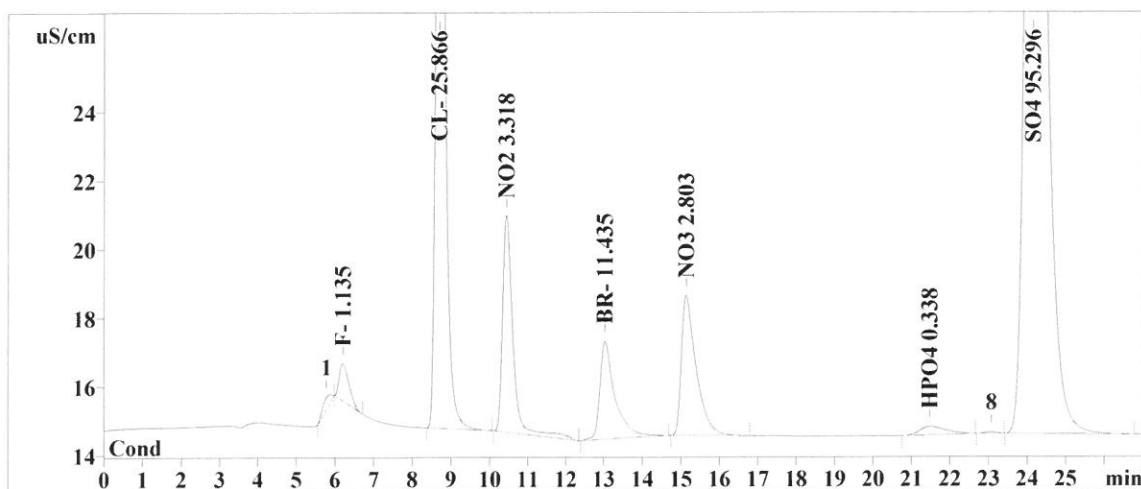
Report date: 6/20/2018 11:11:14 AM
 Printed by: wet

Ident: J3592-04MSD
 Analysis from: 6/19/2018 2:12:43 PM
 File: _2018-06-19_
 Modified!
 Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62736

Last save: 6/19/2018 2:39:32 PM

Last save: 6/15/2018 8:48:46 AM

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	6.21	0.282	1.10	1.38	19.545	1.00	0.
2	8.69	0.226	27.38	34.43	417.483	21.29	0.
3	10.44	0.264	6.31	7.93	119.731	6.11	0.
4	13.03	0.356	2.86	3.59	78.648	4.01	0.
5	15.14	0.389	4.08	5.13	108.946	5.56	0.
6	21.48	0.742	0.24	0.31	11.663	0.59	0.
7	24.15	0.481	37.17	46.74	1198.790	61.14	0.
7	27.00	0.391	79.13	99.51	1954.807	99.69	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/20/2018 11:11:49 AM
Printed by: wet

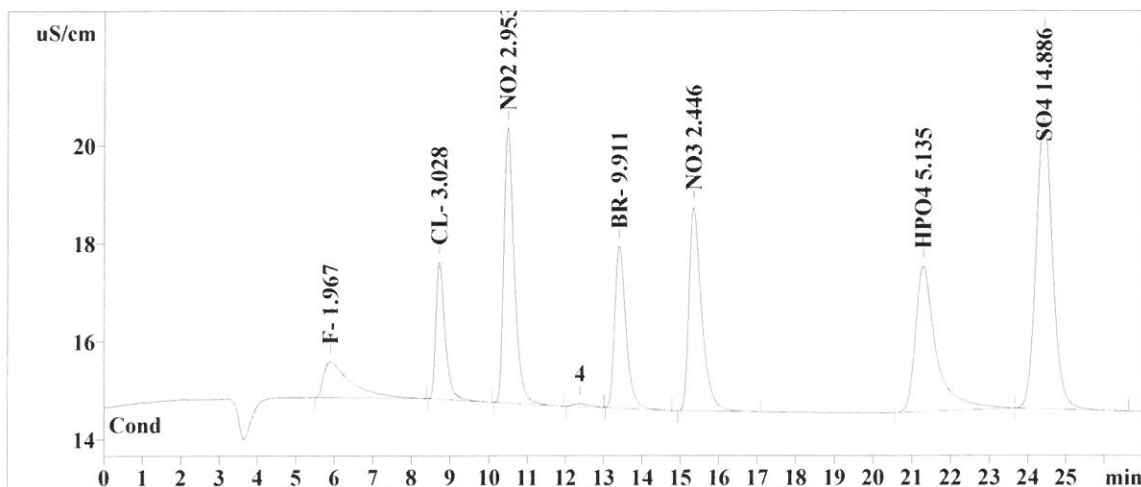
Ident: CCV
Analysis from: 6/19/2018 3:12:34 PM
File: _2018-06-19_

Last save: 6/19/2018 3:39:24 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62738

Last save: 6/15/2018 8:48:46 AM

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	5.90	0.692	0.73	2.86	36.683	5.70	0.
2	8.71	0.247	2.79	10.92	46.869	7.28	0.
3	10.48	0.279	5.62	21.98	105.825	16.44	0.
4	13.40	0.307	3.30	12.92	67.720	10.52	0.
5	15.34	0.334	4.15	16.23	94.532	14.69	0.
6	21.28	0.494	2.97	11.61	110.860	17.23	0.
7	24.41	0.454	5.93	23.22	179.186	27.84	0.
7	27.00	0.401	25.49	99.74	641.674	99.71	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:12:06 AM
Printed by: wet

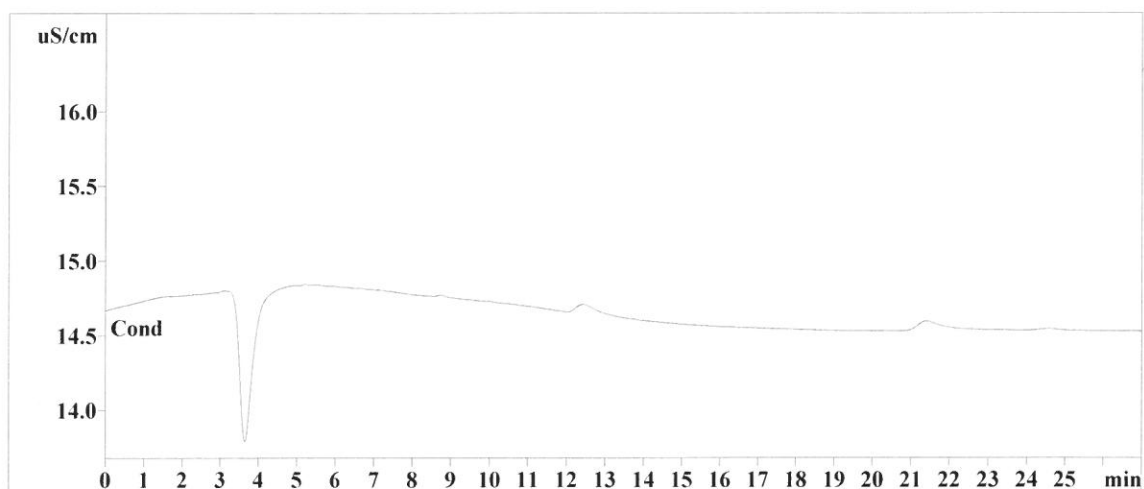
Ident: CCB
Analysis from: 6/19/2018 3:42:30 PM
File: _2018-06-19_

Last save: 6/20/2018 11:12:04 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62739

Last save: 6/15/2018 8:48:46 AM

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: 6/20/2018 11:14:00 AM
Printed by: wet

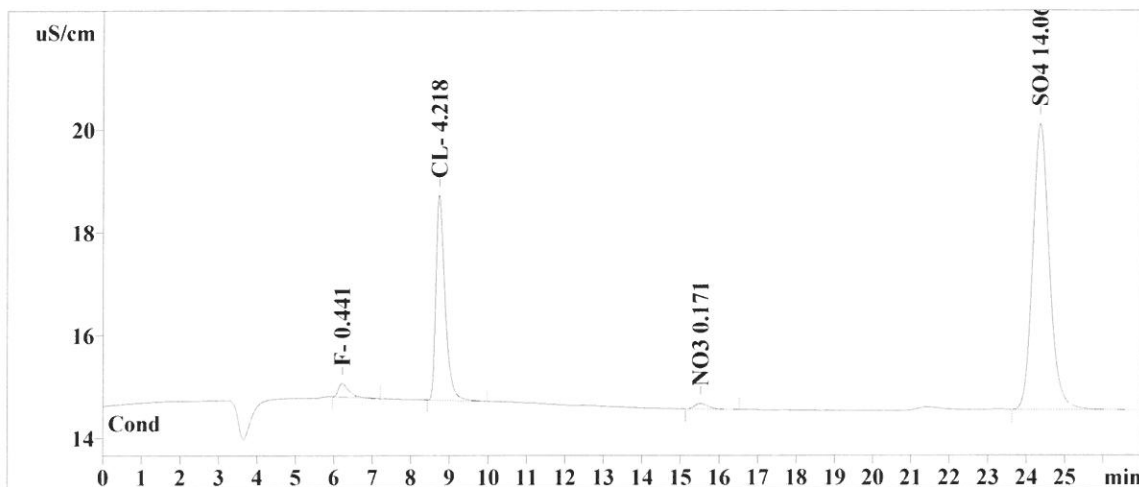
Ident: J3592-02DLX5
Analysis from: 6/19/2018 4:12:25 PM
File: _2018-06-19_

Last save: 6/20/2018 11:13:44 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62740

Last save: 6/15/2018 8:48:46 AM

SAMPLE:
: AK/AP
Vial number: 13
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	6.22	0.291	0.26	2.64	5.235	2.16	0.
2	8.73	0.246	3.99	40.19	66.189	27.26	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	15.52	0.363	0.11	1.09	2.614	1.08	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	24.36	0.452	5.56	56.07	168.756	69.51	0.
7	27.00	0.193	9.92	99.99	242.793	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:15:22 AM
 Printed by: wet

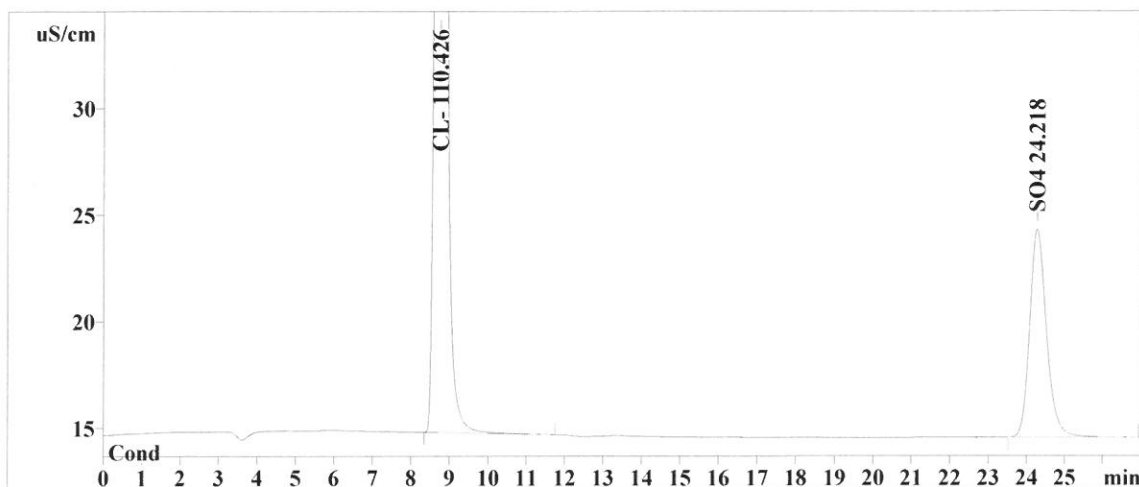
Ident: J3592-06DLX2
 Analysis from: 6/19/2018 4:42:20 PM
 File: _2018-06-19_

Last save: 6/20/2018 11:14:32 AM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62741

Last save: 6/15/2018 8:48:46 AM

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.76	0.230	117.73	92.36	1789.679	85.75	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	24.28	0.453	9.74	7.64	297.515	14.25	0.
7	27.00	0.098	127.47	100.00	2087.194	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/20/2018 11:15:51 AM
Printed by: wet

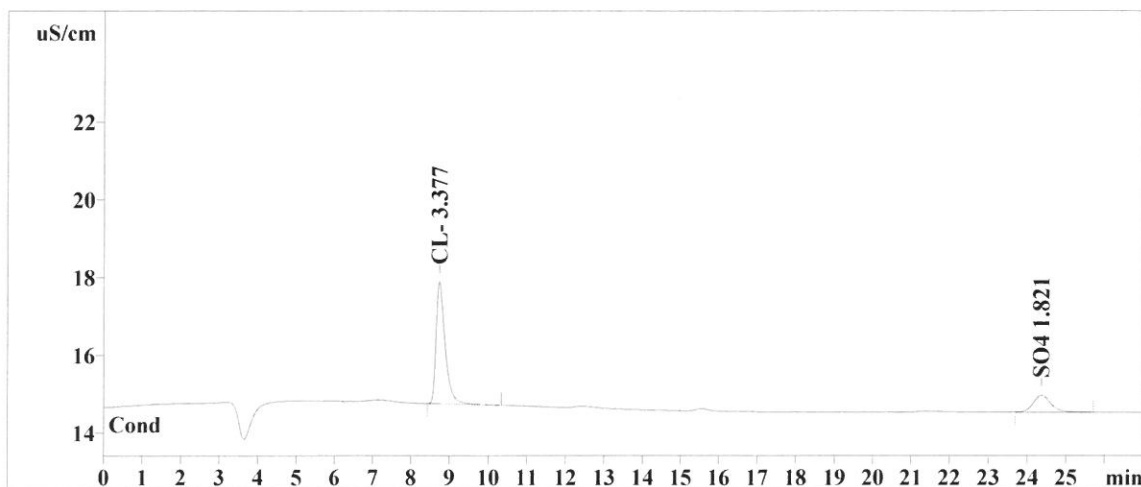
Ident: J3592-06DL2X50
Analysis from: 6/19/2018 5:12:16 PM
File: _2018-06-19_

Last save: 6/20/2018 11:15:52 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62742

Last save: 6/15/2018 8:48:46 AM

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	8.74	0.245	3.14	87.78	52.541	79.53	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	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	24.37	0.465	0.44	12.19	13.527	20.47	0.
7	27.00	0.101	3.57	99.96	66.068	100.00	0.

This report has been created by IC Net
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Report date: 6/20/2018 11:16:05 AM
Printed by: wet

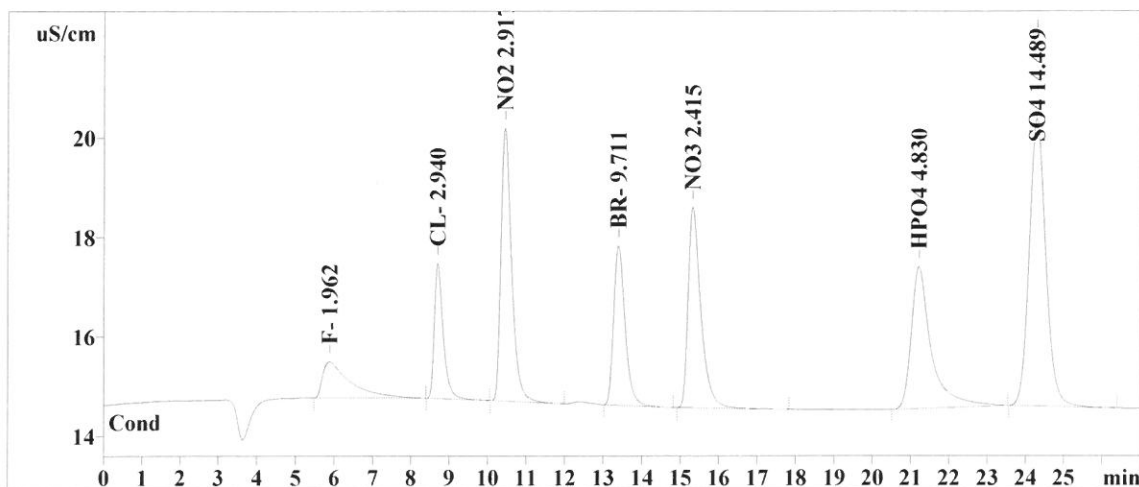
Ident: CCV
Analysis from: 6/19/2018 5:42:11 PM
File: _2018-06-19_

Last save: 6/19/2018 6:09:00 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62743

Last save: 6/15/2018 8:48:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.87	0.686	0.73	2.93	36.587	5.86	0.
2	8.69	0.247	2.71	10.94	45.446	7.27	0.
3	10.45	0.280	5.49	22.15	104.440	16.72	0.
4	13.38	0.310	3.20	12.92	66.286	10.61	0.
5	15.32	0.338	4.03	16.25	93.283	14.93	0.
6	21.21	0.486	2.85	11.50	104.555	16.74	0.
7	24.29	0.453	5.78	23.30	174.159	27.88	0.
7	27.00	0.400	24.79	99.99	624.755	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:16:22 AM
Printed by: wet

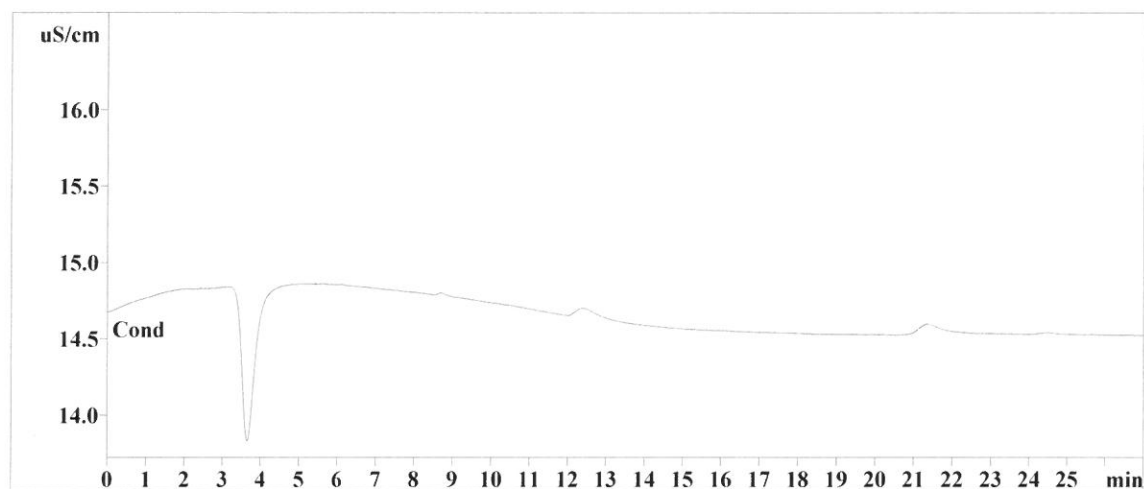
Ident: CCB
Analysis from: 6/19/2018 6:12:07 PM
File: _2018-06-19_

Last save: 6/20/2018 11:16:22 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62744

Last save: 6/15/2018 8:48:46 AM

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: 6/20/2018 11:24:09 AM
Printed by: wet

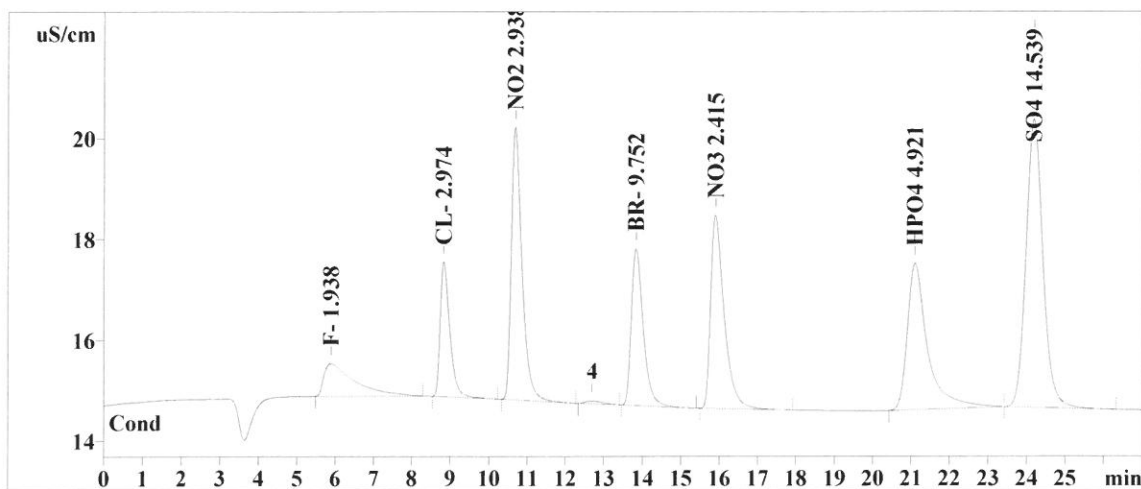
Ident: CCV
Analysis from: 6/20/2018 8:03:23 AM
File: _2018-06-20_

Last save: 6/20/2018 8:30:12 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62747

Last save: 6/15/2018 8:48:46 AM

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	5.89	0.783	0.64	2.65	36.100	5.73	0.
2	8.83	0.254	2.67	10.98	46.005	7.30	0.
3	10.68	0.287	5.40	22.20	105.237	16.70	0.
4	13.83	0.319	3.10	12.76	66.586	10.56	0.
5	15.89	0.355	3.82	15.73	93.282	14.80	0.
6	21.10	0.488	2.90	11.94	106.430	16.89	0.
7	24.18	0.458	5.71	23.51	174.788	27.73	0.
7	27.00	0.421	24.25	99.75	628.428	99.70	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:24:27 AM
Printed by: wet

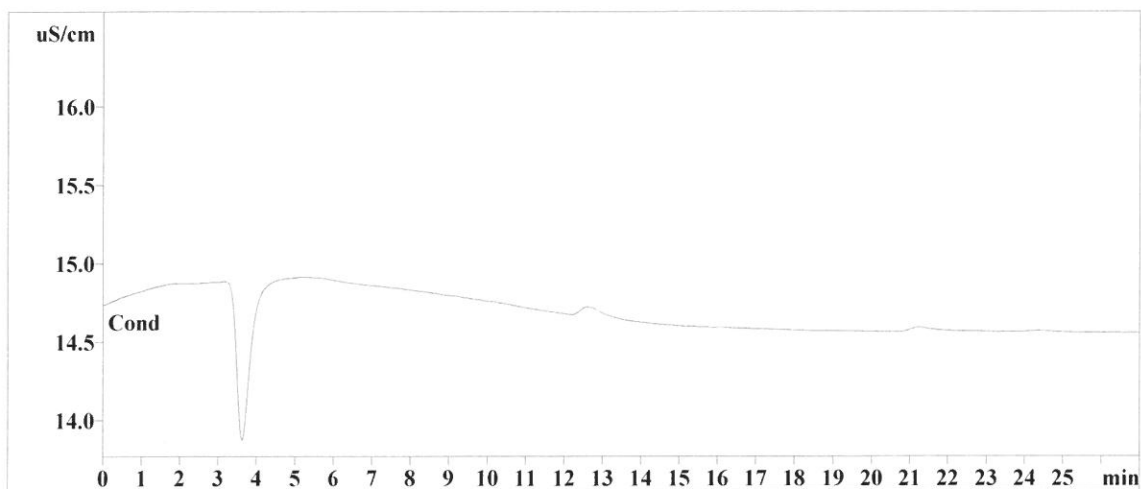
Ident: CCB
Analysis from: 6/20/2018 8:33:18 AM
File: _2018-06-20_

Last save: 6/20/2018 11:24:26 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62748

Last save: 6/15/2018 8:48:46 AM

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: 6/20/2018 11:24:43 AM
Printed by: wet

BLW2

AK
6-21-18

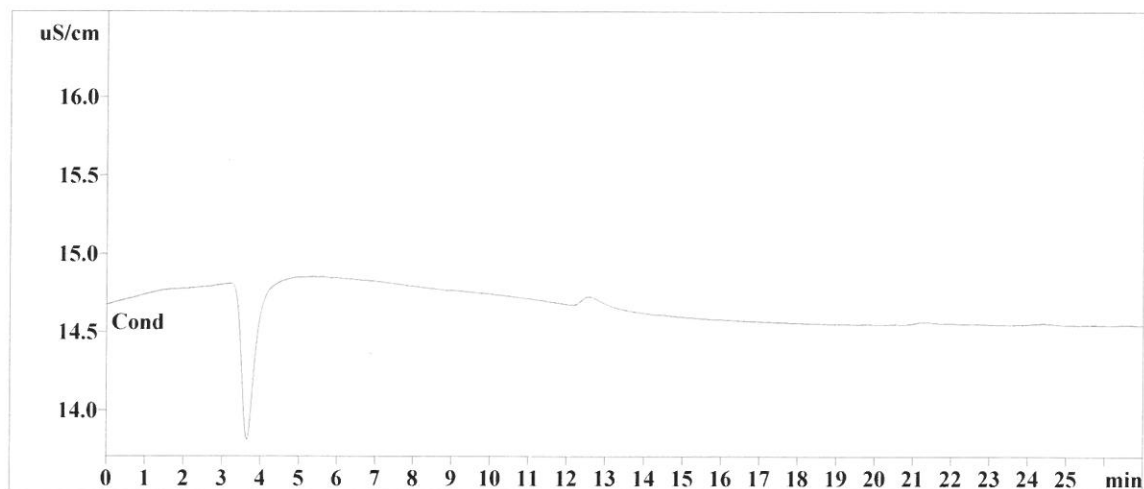
Ident: LB96140BSW2
Analysis from: 6/20/2018 9:03:14 AM
File: _2018-06-20_

Last save: 6/20/2018 11:24:42 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62749

Last save: 6/15/2018 8:48:46 AM

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: 6/20/2018 11:24:53 AM
 Printed by: wet

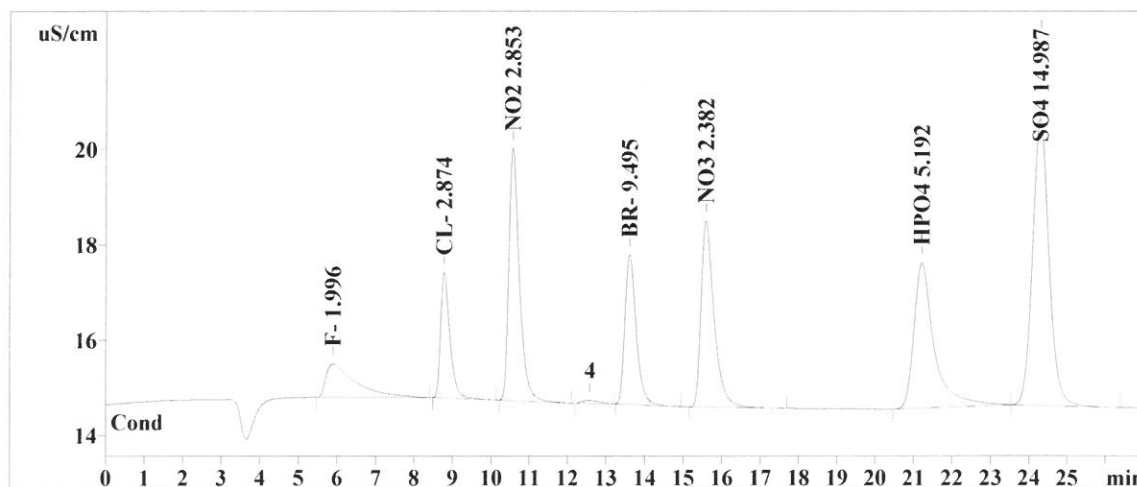
Ident: LB96140BSW2
 Analysis from: 6/20/2018 9:33:09 AM
 File: _2018-06-20_

Last save: 6/20/2018 10:33:46 AM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62750

Last save: 6/15/2018 8:48:46 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	5.89	0.736	0.70	2.81	37.288	5.87	0.
2	8.77	0.249	2.63	10.60	44.369	6.99	0.
3	10.56	0.284	5.29	21.34	102.007	16.06	0.
4	13.60	0.309	3.14	12.66	64.743	10.19	0.
5	15.58	0.344	3.91	15.76	91.966	14.48	0.
6	21.20	0.491	3.04	12.27	112.039	17.64	0.
7	24.28	0.451	6.01	24.25	180.466	28.42	0.
7	27.00	0.409	24.72	99.70	632.878	99.66	0.

This report has been created by IC Net
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Report date: 6/20/2018 11:26:14 AM
Printed by: wet

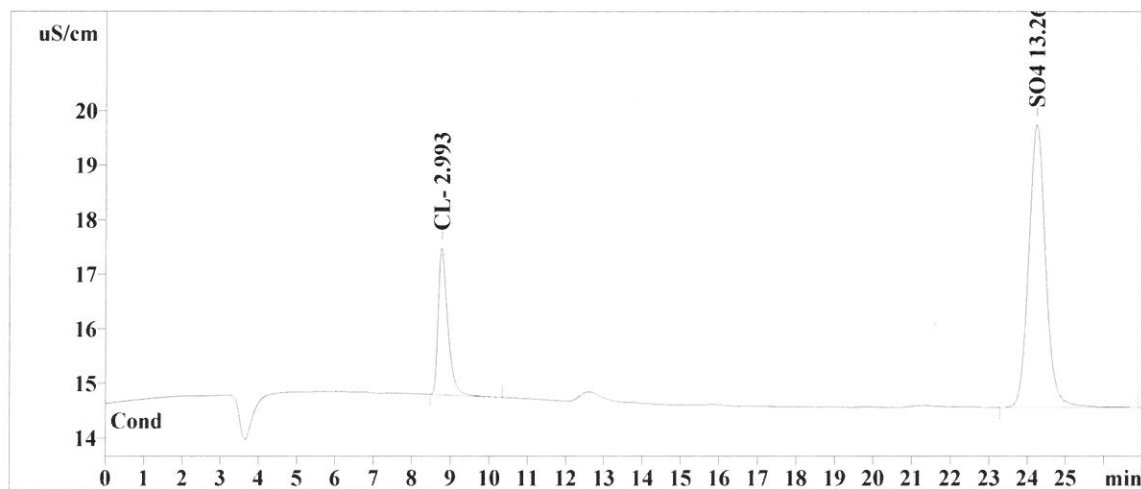
Ident: J3592-01DLX5
Analysis from: 6/20/2018 10:40:40 AM
File: _2018-06-20_

Last save: 6/20/2018 11:26:08 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62752

Last save: 6/15/2018 8:48:46 AM

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	8.76	0.254	2.69	34.20	46.310	22.60	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	24.23	0.457	5.17	65.81	158.627	77.40	0.
7	27.00	0.102	7.86	100.00	204.937	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2018 11:55:54 AM
Printed by: wet

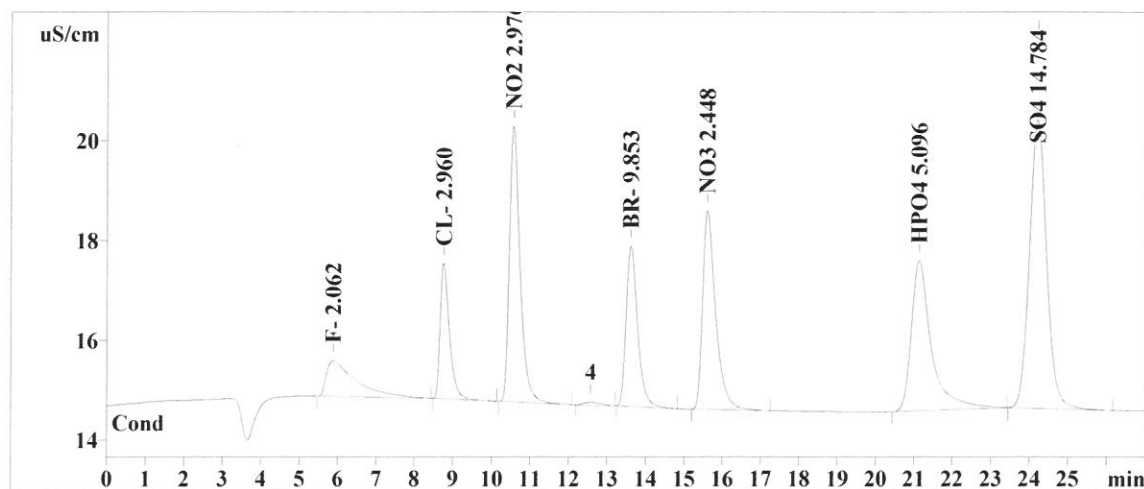
Ident: CCV
Analysis from: 6/20/2018 11:10:35 AM
File: _2018-06-20_

Last save: 6/20/2018 11:37:24 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62753

Last save: 6/15/2018 8:48:46 AM

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	5.89	0.733	0.72	2.88	38.643	6.01	0.
2	8.75	0.250	2.71	10.85	45.778	7.12	0.
3	10.55	0.284	5.52	22.08	106.686	16.59	0.
4	13.61	0.314	3.21	12.85	67.306	10.47	0.
5	15.60	0.348	3.98	15.91	94.632	14.72	0.
6	21.13	0.489	3.01	12.03	110.054	17.12	0.
7	24.20	0.462	5.79	23.14	177.894	27.67	0.
7	27.00	0.411	24.94	99.74	640.992	99.69	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/21/2018 8:24:00 AM
Printed by: wet

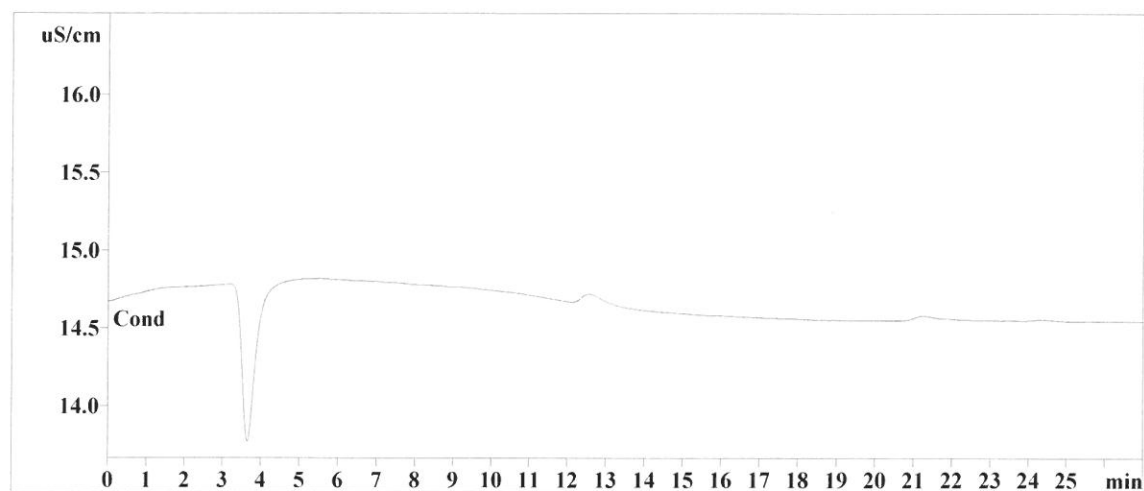
Ident: CCB
Analysis from: 6/20/2018 11:40:31 AM
File: _2018-06-20_

Last save: 6/21/2018 8:23:58 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62754

Last save: 6/15/2018 8:48:46 AM

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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