

IC-1 Sav'o
6-18-18 AK

Clear table

ident	concentrati on F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-11_	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	1.7800	3.0090	2.9630	9.9540	2.4790	4.9800	14.8230	2018-06-12_	6/12/18 9:51
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-12_	6/12/18 10:21
LB95978BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-12_	6/12/18 10:51
LB95978BSW	2.0510	2.9700	2.9140	10.0030	2.4540	5.3050	15.4470	2018-06-12_	6/12/18 11:25
J3453-01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-12_	6/12/18 13:27
J3453-02	0.0000	1.2130	0.0000	0.0000	0.0000	0.0000	0.9040	2018-06-12_	6/12/18 13:56
J3453-03	0.0000	1.3180	0.0000	0.0000	0.0000	0.0000	0.8710	2018-06-12_	6/12/18 14:26
J3453-04	0.0000	924.1200	0.0000	0.0000	0.0000	0.0000	2.7160	2018-06-12_	6/12/18 14:56
J3453-05	0.0000	1451.2970	0.0000	0.5490	0.0000	0.0000	1.1270	2018-06-12_	6/12/18 15:26
J3453-01DUP	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-12_	6/12/18 15:56
J3453-01MS	2.1230	3.0520	2.8900	9.6040	2.4780	5.6760	15.1690	2018-06-12_	6/12/18 16:26
J3453-01MSD	1.8630	2.7870	2.5010	8.5080	2.1210	5.1170	13.2040	2018-06-12_	6/12/18 16:56
CCV	2.1900	2.9880	2.9600	10.2670	2.5840	5.9340	15.3670	2018-06-12_	6/12/18 17:26
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-12_	6/12/18 17:56
J3453-06	0.0000	0.7440	0.0000	0.0000	0.0000	0.0000	0.8520	2018-06-12_	6/12/18 18:27
J3453-07	0.0000	1.3990	0.0000	0.0000	0.0000	0.0000	1.0680	2018-06-12_	6/12/18 18:58
J3453-08	0.0000	9.1930	0.0000	0.0000	0.1830	0.0000	21.3220	2018-06-12_	6/12/18 19:29
J3453-09	0.0000	1.1760	0.0000	0.0000	0.0000	0.0000	0.8370	2018-06-12_	6/12/18 19:59
J3453-10	0.0000	1.5480	0.0000	0.0000	0.0000	0.0000	20.3730	2018-06-12_	6/12/18 20:30
J3453-11	0.0000	1.6220	0.0000	0.0000	0.2860	0.0000	0.0000	2018-06-12_	6/12/18 21:01

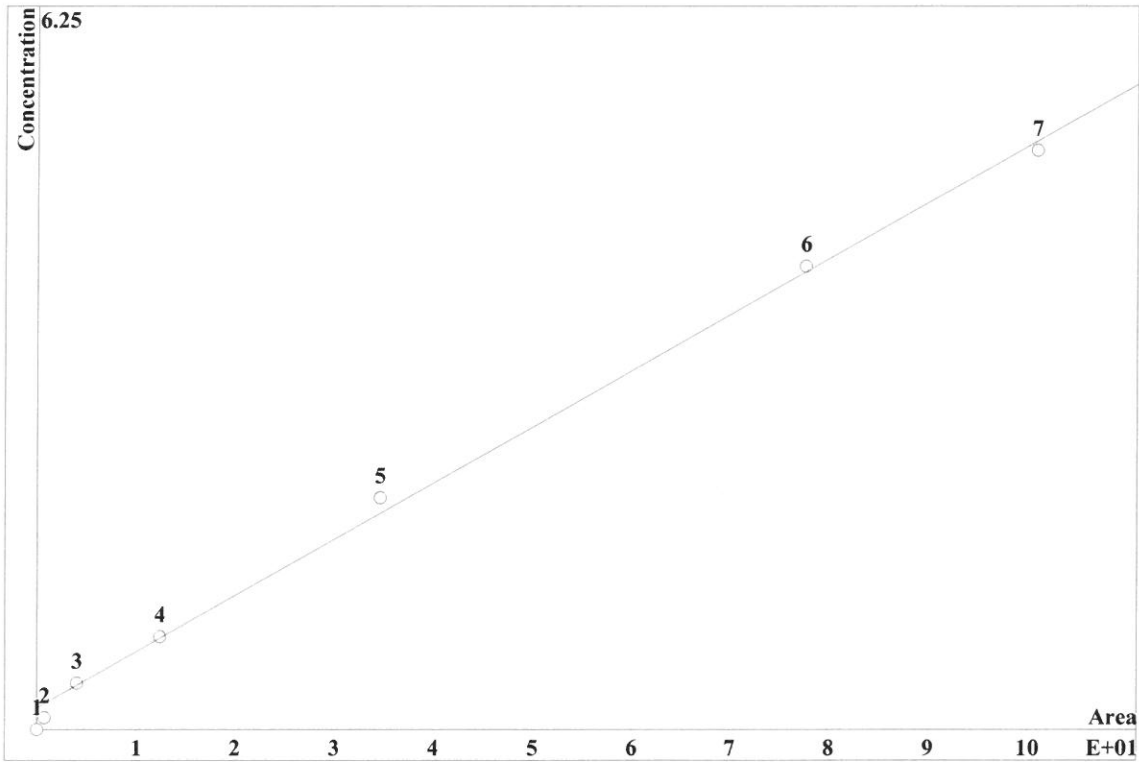
J3453-12	0.0000	4.2280	0.0000	0.0000	0.0000	0.0000	1.1050	2018-06-12	6/12/18 21:32
J3453-15	0.0000	1.8360	0.0000	0.0000	0.0000	0.0000	17.9580	2018-06-12	6/12/18 22:03
J3453-16	0.0000	641.9720	0.0000	0.0000	0.2930	0.0000	17.1230	2018-06-12	6/12/18 22:34
J3453-12DUP	0.0000	4.2610	0.0000	0.0000	0.0000	0.0000	1.0850	2018-06-12	6/12/18 23:05
CCV	2.0080	3.0410	2.9710	9.8710	2.5280	6.1630	15.4110	2018-06-12	6/12/18 23:36
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-13	6/13/18 0:07
LB95978BLW2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-13	6/13/18 0:38
LB95978BSW2	2.2080	2.9450	2.9070	10.0050	2.5160	6.4080	15.3570	2018-06-13	6/13/18 1:09
J3453-13MS	2.7630	6.8800	2.9160	10.3460	2.5220	0.0000	16.5020	2018-06-13	6/13/18 1:40
J3453-14MSD	2.5610	6.8220	2.8630	9.7800	2.4300	0.0000	16.0080	2018-06-13	6/13/18 2:10
CCV	1.9800	3.0780	2.9560	10.2160	2.5060	6.1250	15.6260	2018-06-13	6/13/18 2:41
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-06-13	6/13/18 3:12

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:

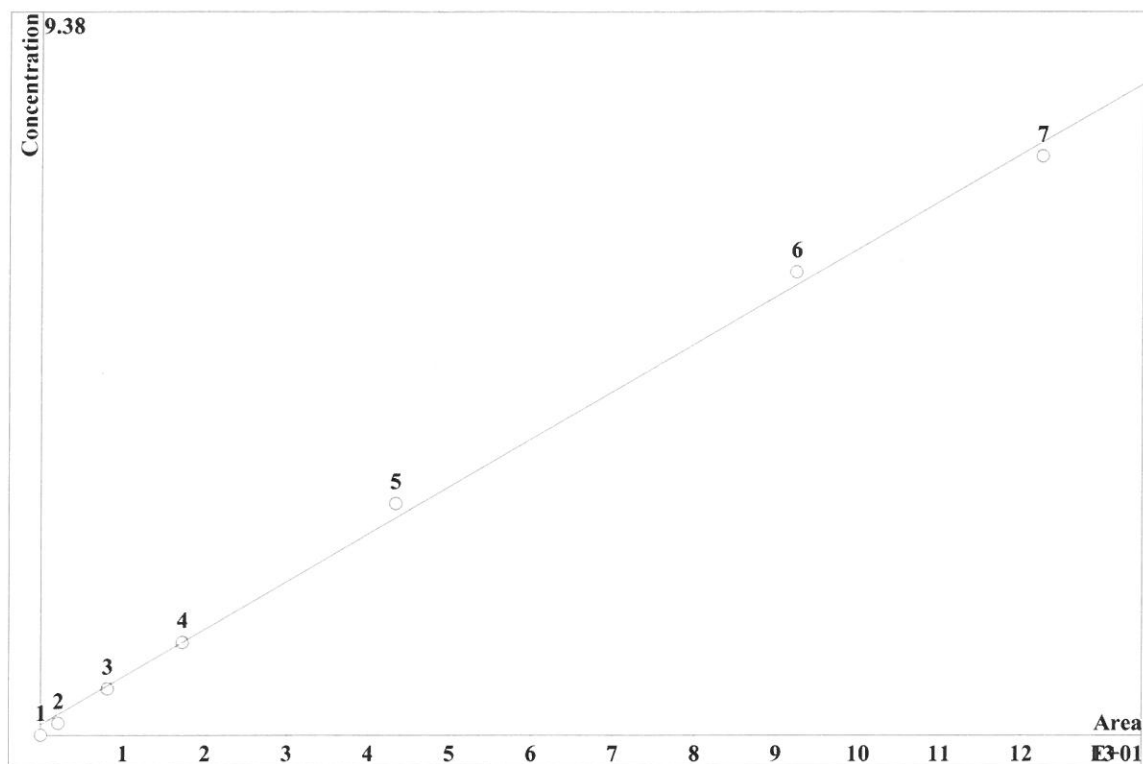
Formula: Linear

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:

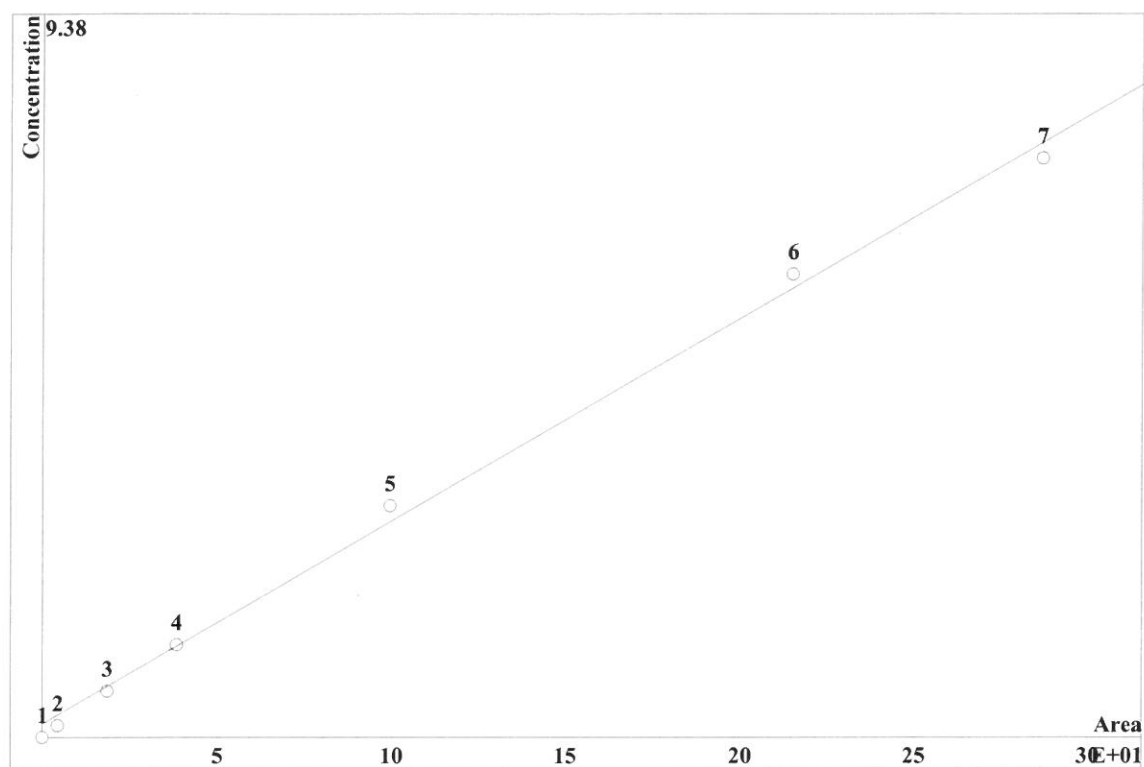
Formula: Linear

Weight: 1

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

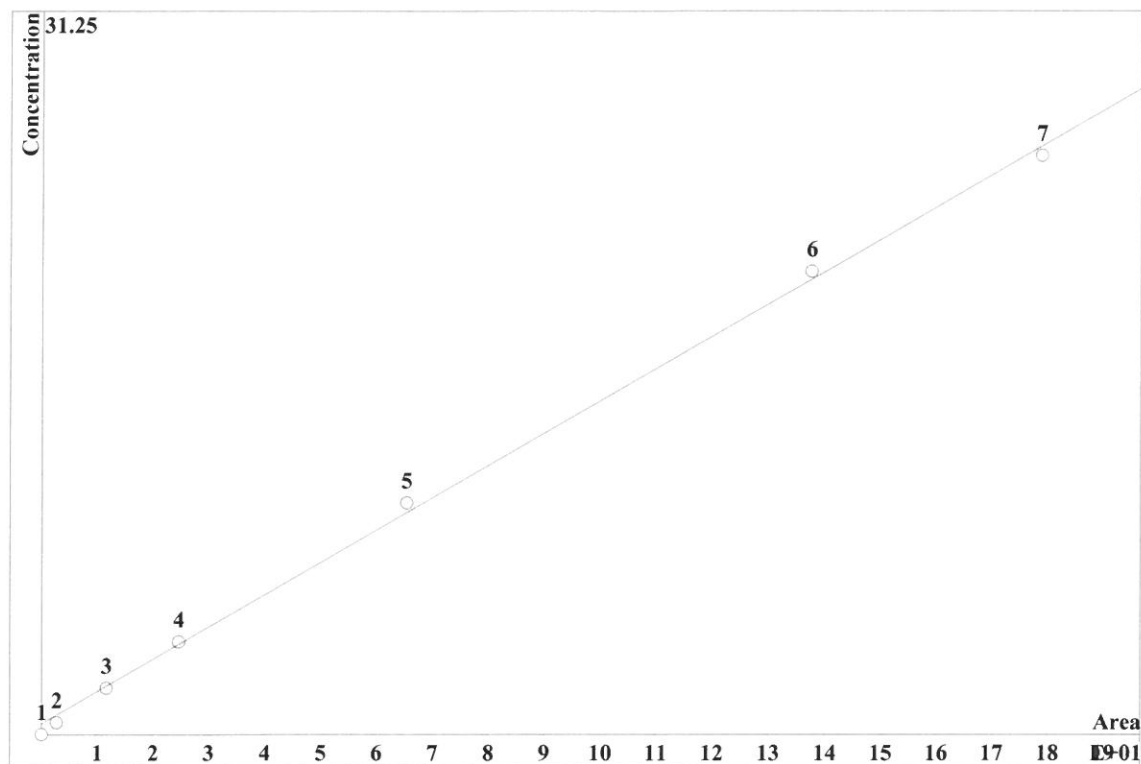
Formula: Linear

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:

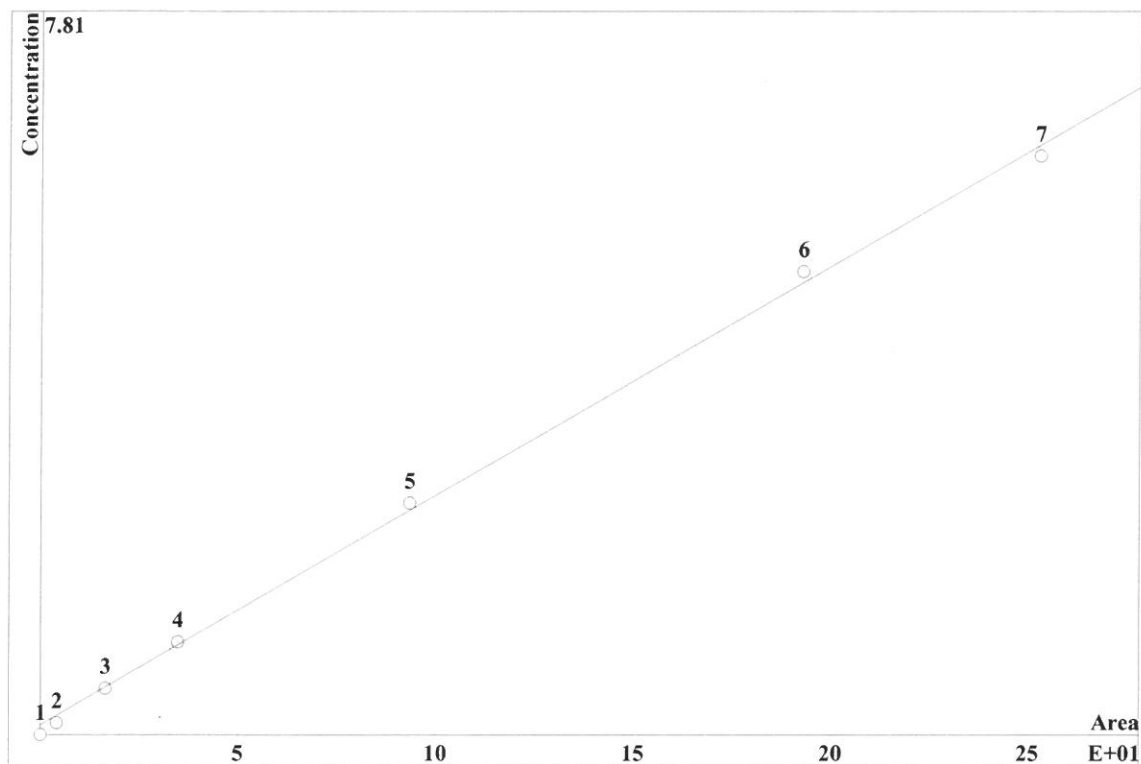
Formula: Linear

Weight: 1

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

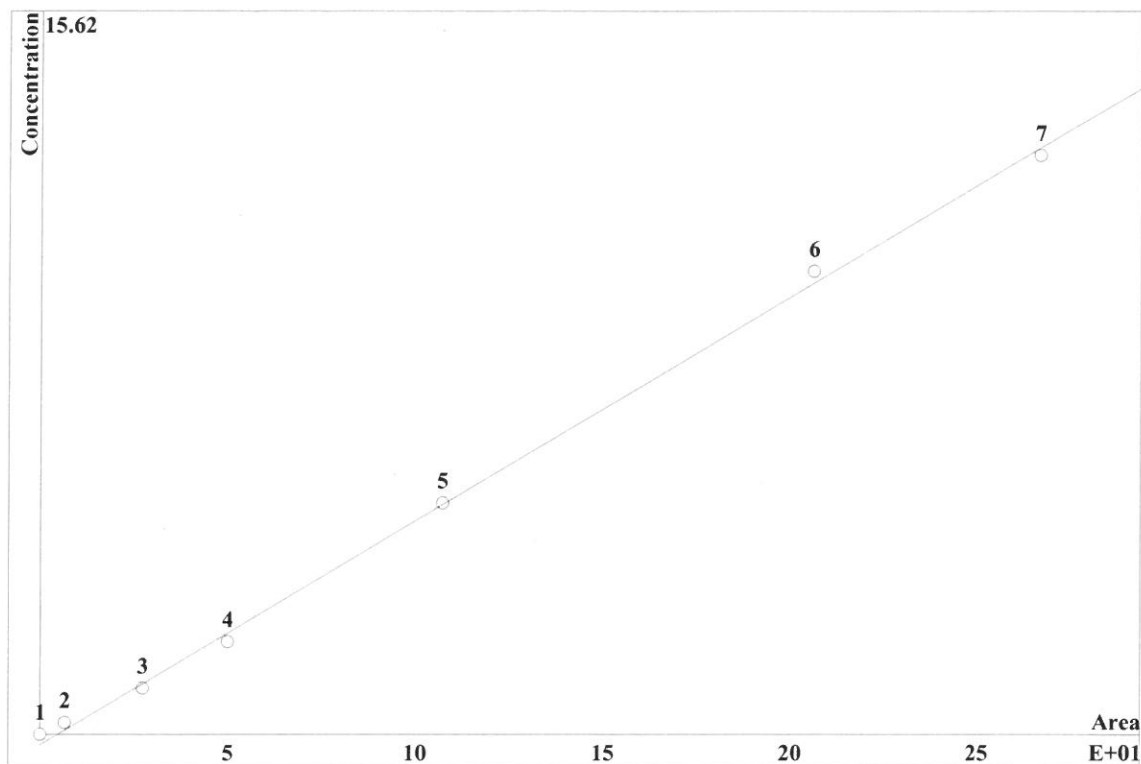
Formula: Linear

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		Yes
3	0.7548	16.6	0.5	20	15.65	Yes		Yes
4	1.604	34.93	1	20	15.65	Yes		Yes
5	4.233	93.68	2.5	20	15.65	Yes		Yes
6	9.2	193	5	20	15.65	Yes		Yes
7	12.18	253	6.25	20	15.65	Yes		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:

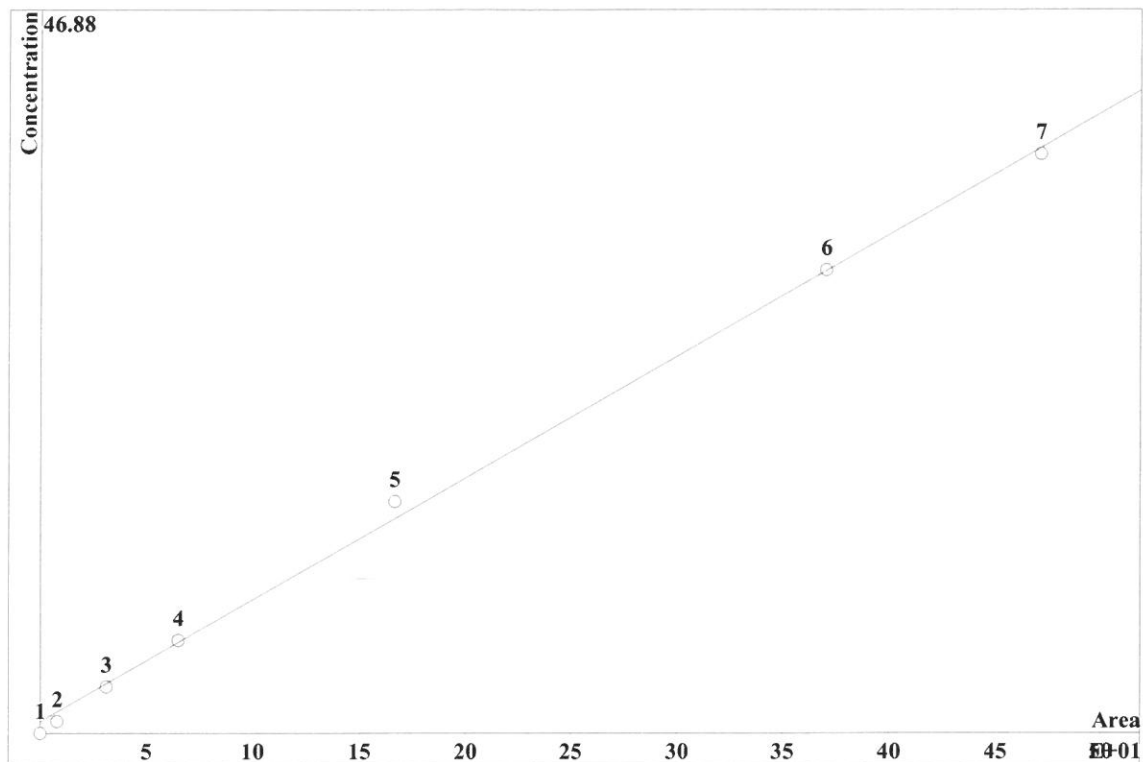
Formula: Linear

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			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

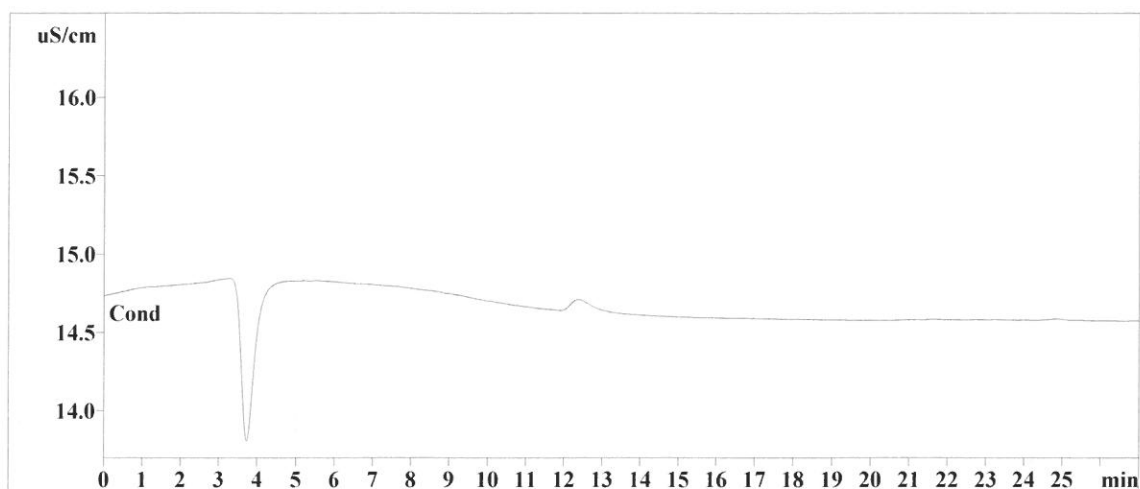
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File: _2018-06-11_

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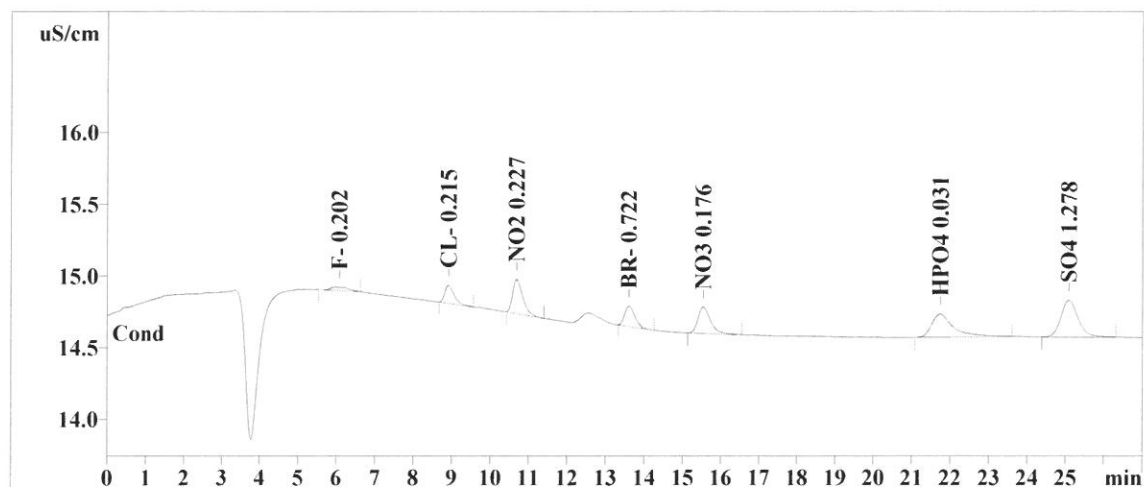
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Ident: STD2
 Analysis from: 6/11/2018 11:01:44 AM
 File: _2018-06-11_
 Manual peaks!
 Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62554

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

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

SAMPLE:
 : 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	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

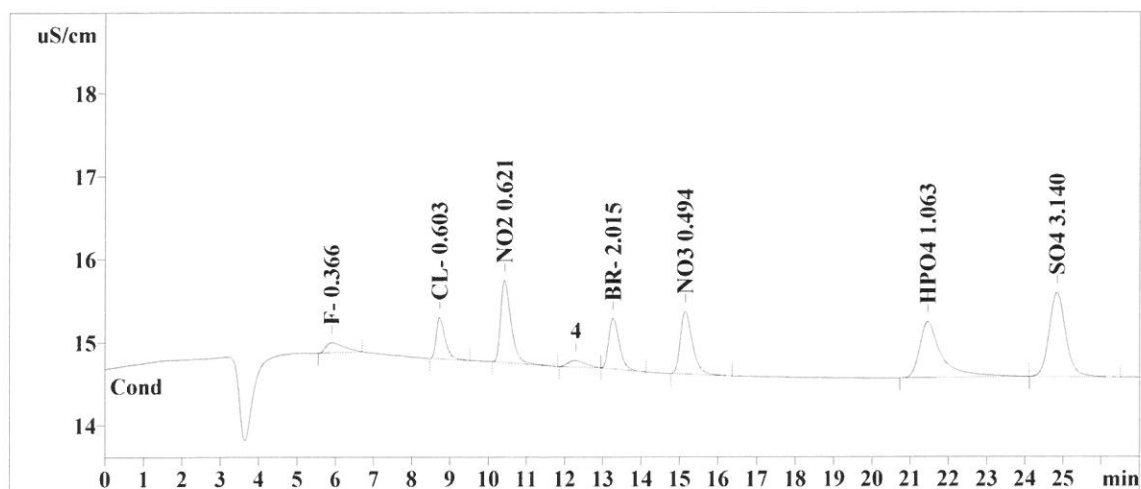
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File: _2018-06-11_

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

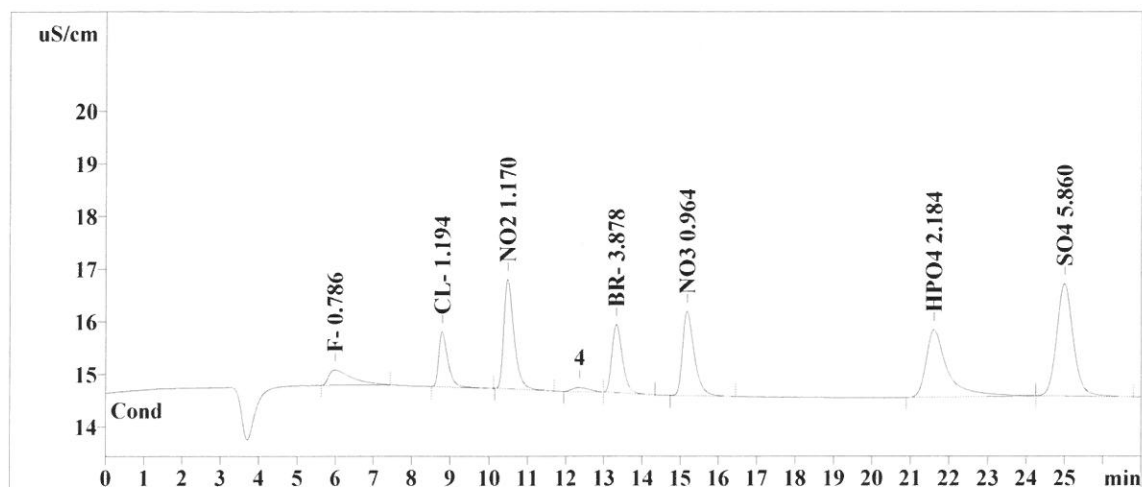
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File: _2018-06-11_

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

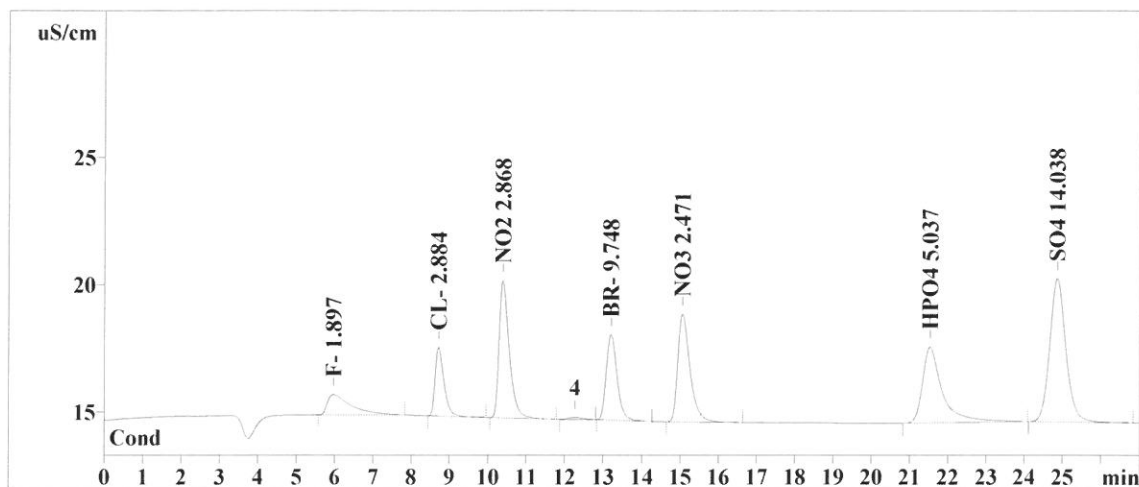
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Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62557

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

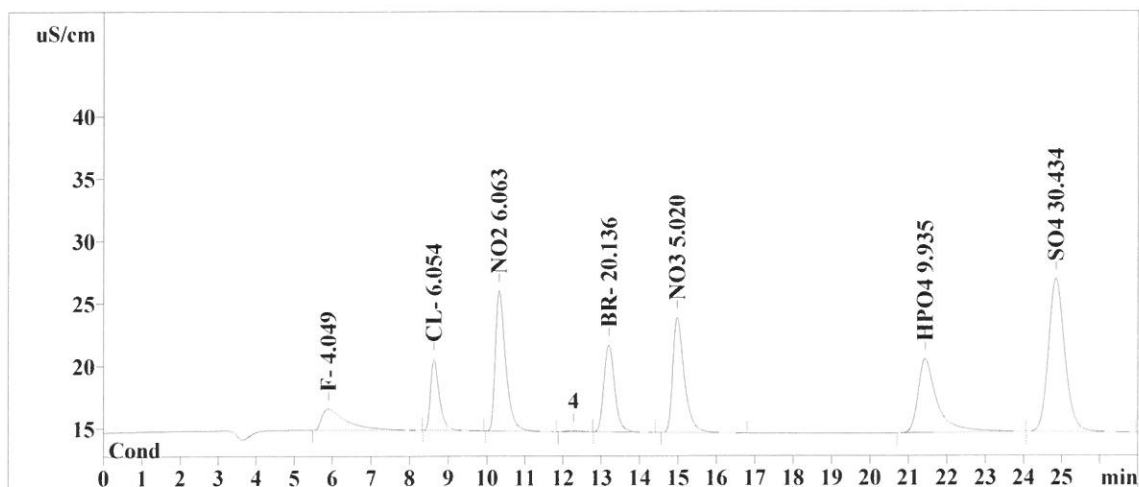
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File: _2018-06-11_

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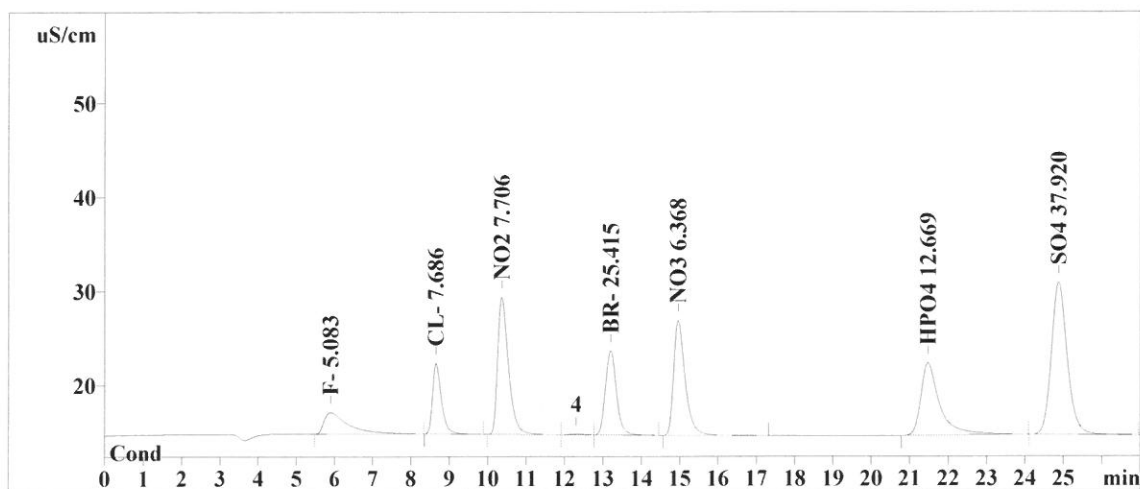
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Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62559

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

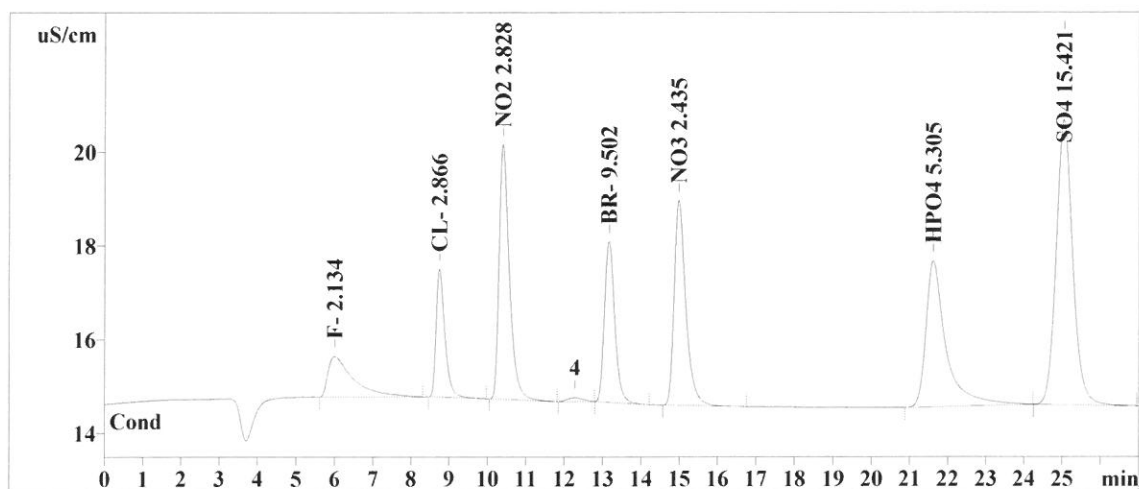
Ident: ICV
 Analysis from: 6/11/2018 3:04:02 PM
 File: _2018-06-11_

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

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

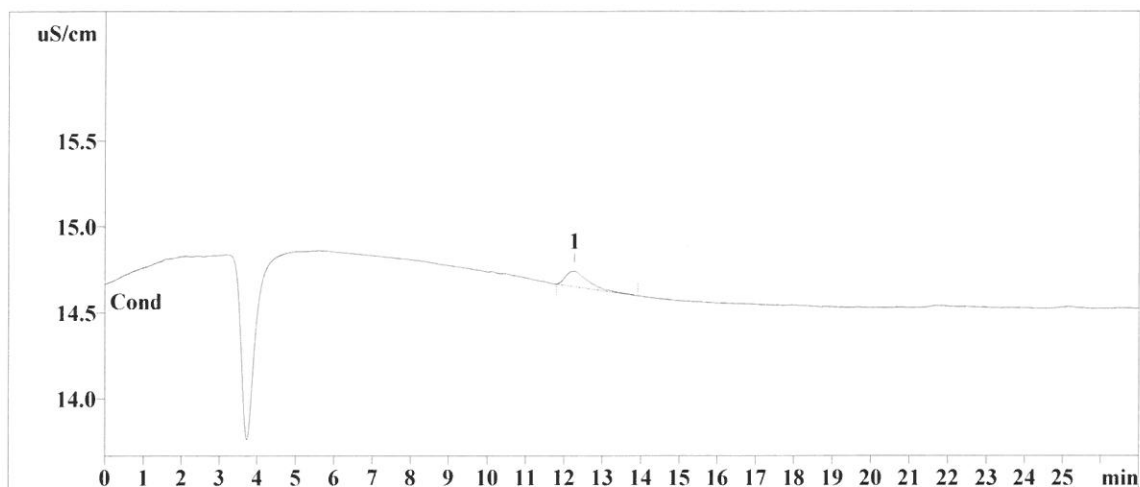
Ident: ICB
Analysis from: 6/11/2018 3:33:57 PM
File: _2018-06-11_

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
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Report date: 6/13/2018 10:35:15 AM
Printed by: wet

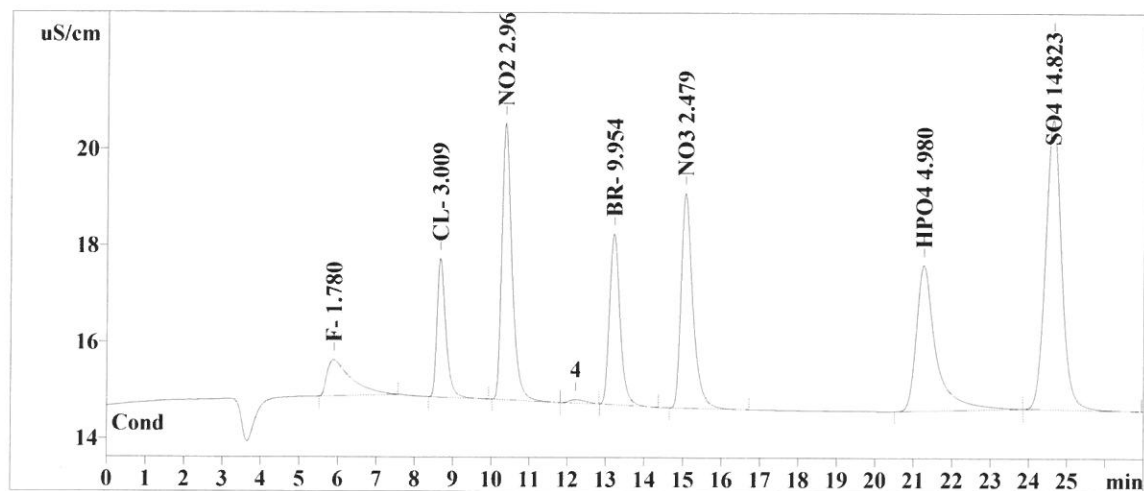
Ident: CCV
Analysis from: 6/12/2018 9:51:18 AM
File: _2018-06-12_

Last save: 6/12/2018 10:18:08 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62567

Last save: 6/11/2018 3:17:14 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	0.633	0.74	2.81	32.830	5.15	0.
2	8.65	0.239	2.87	10.87	46.563	7.30	0.
3	10.35	0.272	5.73	21.68	106.192	16.65	0.
4	13.20	0.290	3.54	13.38	68.028	10.67	0.
5	15.05	0.316	4.45	16.83	95.886	15.03	0.
6	21.25	0.466	3.02	11.42	107.658	16.88	0.
7	24.60	0.444	6.01	22.72	178.390	27.97	0.
7	27.00	0.380	26.38	99.71	635.547	99.65	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:35:26 AM
Printed by: wet

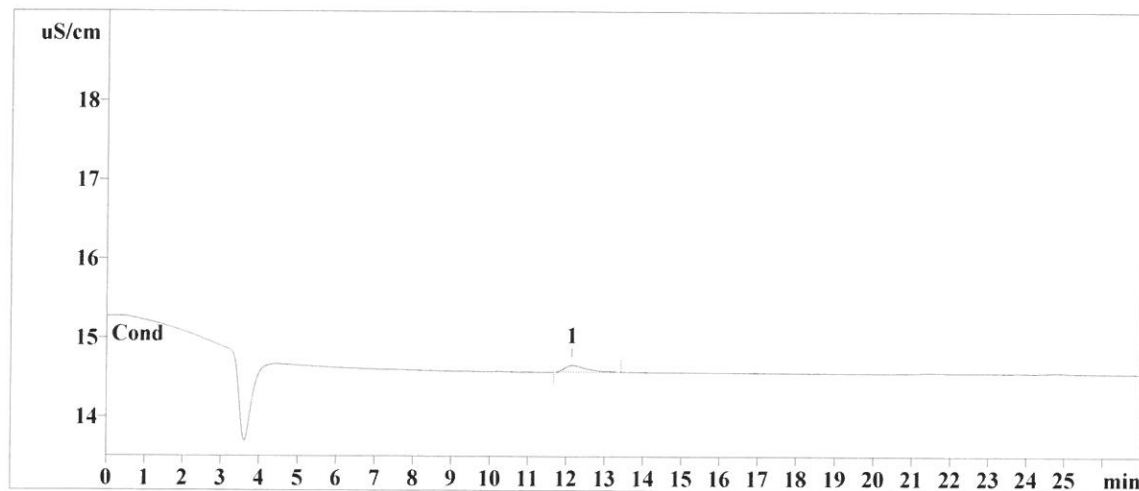
Ident: CCB
Analysis from: 6/12/2018 10:21:13 AM
File: _2018-06-12_

Last save: 6/12/2018 10:48:02 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62568

Last save: 6/11/2018 3:17:14 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	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: 6/13/2018 10:36:34 AM
Printed by: wet

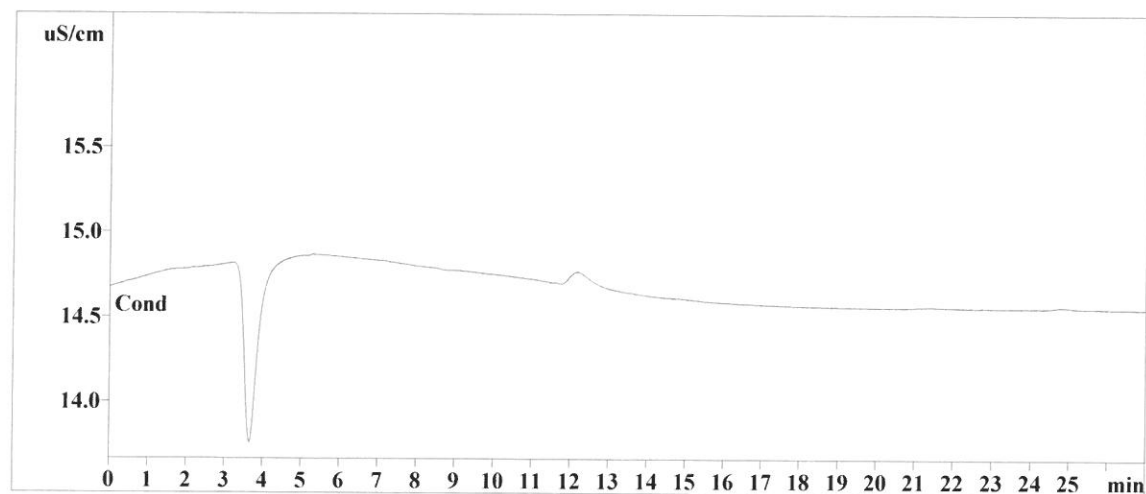
Ident: LB95978BLW
Analysis from: 6/12/2018 10:51:08 AM
File: _2018-06-12_

Last save: 6/13/2018 10:35:04 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62569

Last save: 6/11/2018 3:17:14 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: 6/13/2018 10:36:44 AM
Printed by: wet

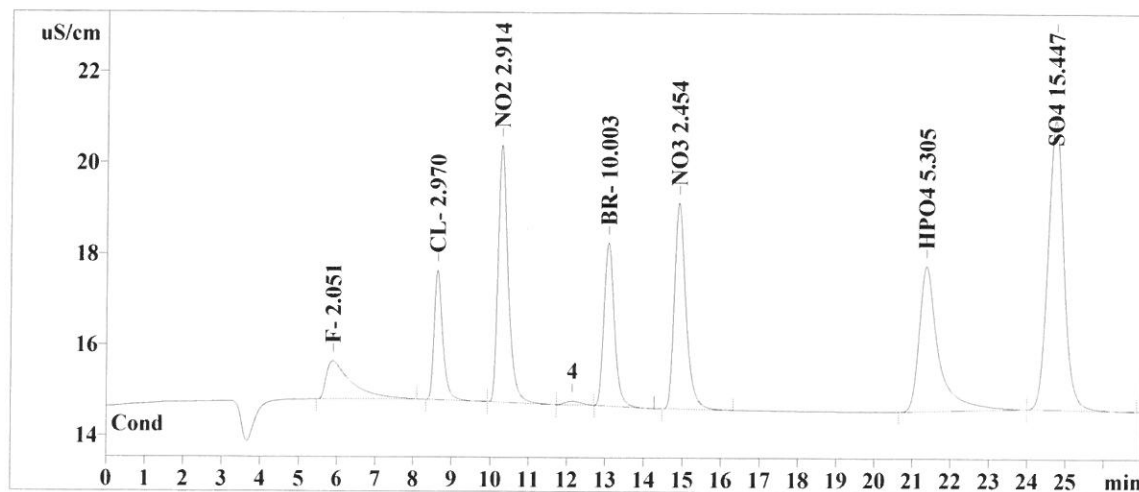
Ident: LB95978BSW
Analysis from: 6/12/2018 11:25:20 AM
File: _2018-06-12_

Last save: 6/13/2018 10:35:04 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62570

Last save: 6/11/2018 3:17:14 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	5.88	0.627	0.84	3.09	38.431	5.87	0.
2	8.61	0.238	2.85	10.52	45.929	7.01	0.
3	10.27	0.272	5.65	20.87	104.326	15.93	0.
4	13.07	0.289	3.58	13.22	68.385	10.44	0.
5	14.89	0.309	4.52	16.70	94.842	14.48	0.
6	21.35	0.466	3.19	11.78	114.375	17.46	0.
7	24.71	0.439	6.36	23.49	186.304	28.44	0.
7	27.00	0.377	26.99	99.69	652.592	99.64	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:37:06 AM
Printed by: wet

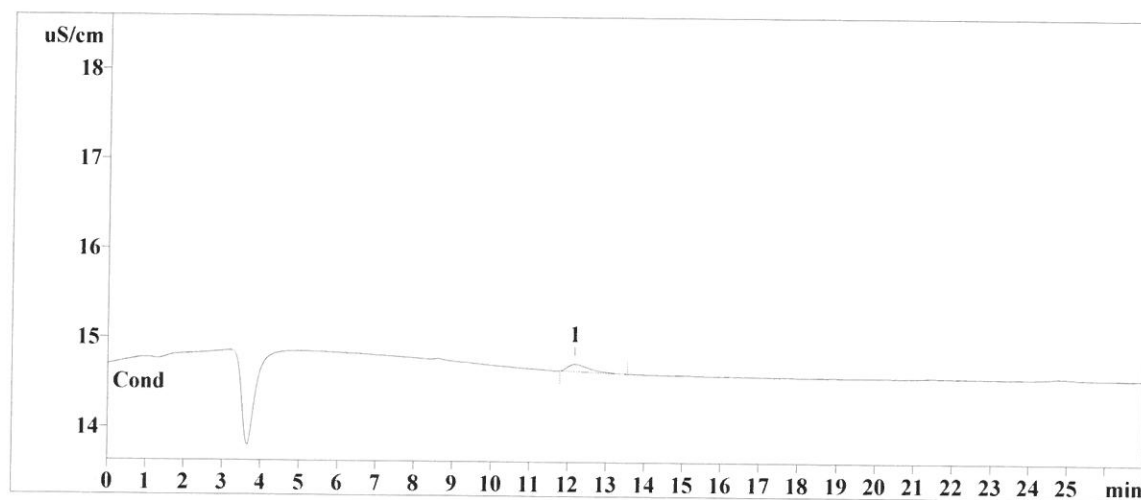
Ident: J3453-01
Analysis from: 6/12/2018 1:27:04 PM
File: _2018-06-12_

Last save: 6/12/2018 1:53:54 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62572

Last save: 6/11/2018 3:17:14 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	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: 6/13/2018 10:40:13 AM
Printed by: wet

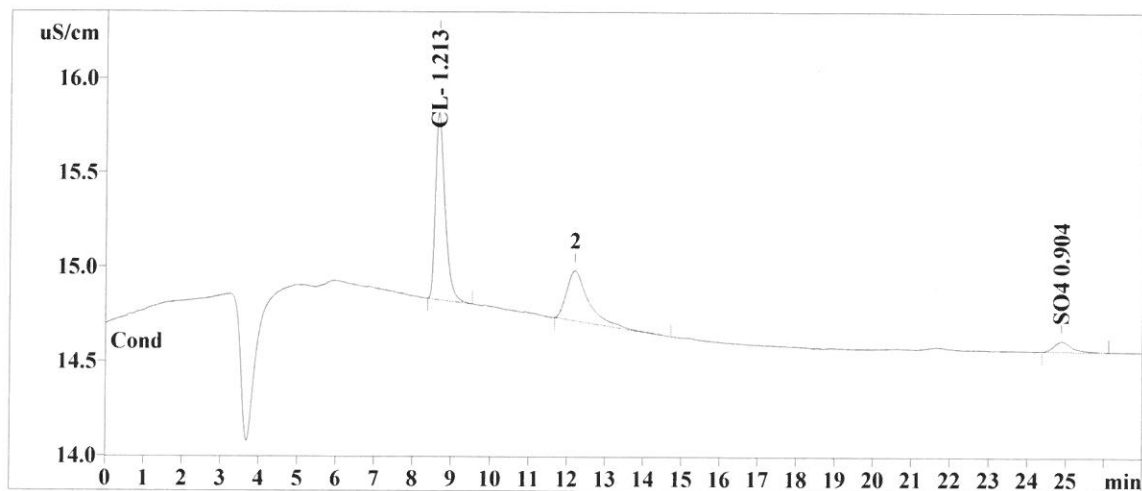
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Analysis from: 6/12/2018 1:56:59 PM
File: _2018-06-12_

Last save: 6/12/2018 2:23:48 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62573

Last save: 6/11/2018 3:17:14 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	8.65	0.264	0.99	75.50	17.417	57.80	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	24.88	0.477	0.06	4.21	1.901	6.31	0.
7	27.00	0.106	1.05	79.71	19.317	64.10	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:40:39 AM
Printed by: wet

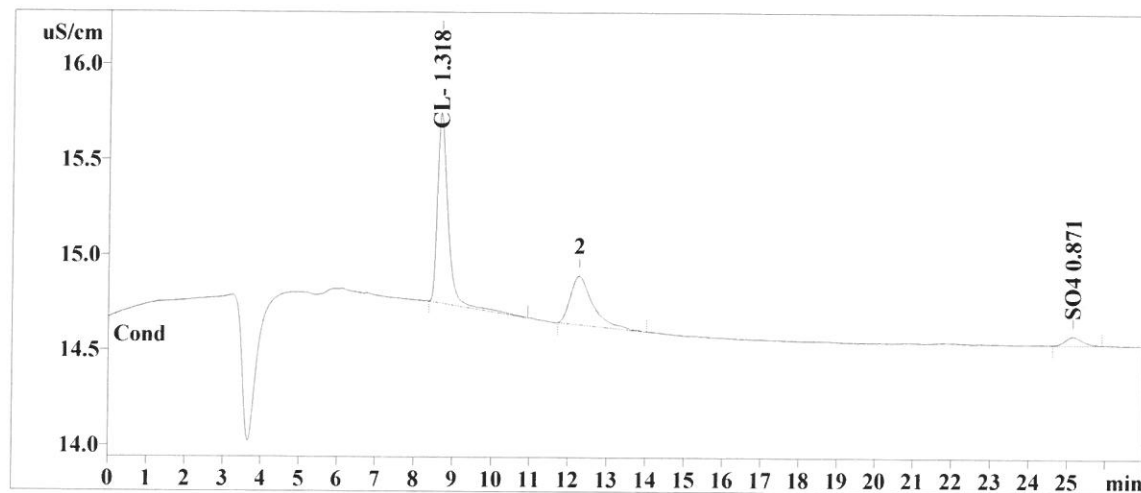
Ident: J3453-03
Analysis from: 6/12/2018 2:26:54 PM
File: _2018-06-12_

Last save: 6/12/2018 2:53:44 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62574

Last save: 6/11/2018 3:17:14 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	8.66	0.273	1.00	76.67	19.131	61.74	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	25.14	0.470	0.05	3.59	1.479	4.77	0.
7	27.00	0.106	1.04	80.26	20.610	66.52	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:41:25 AM
Printed by: wet

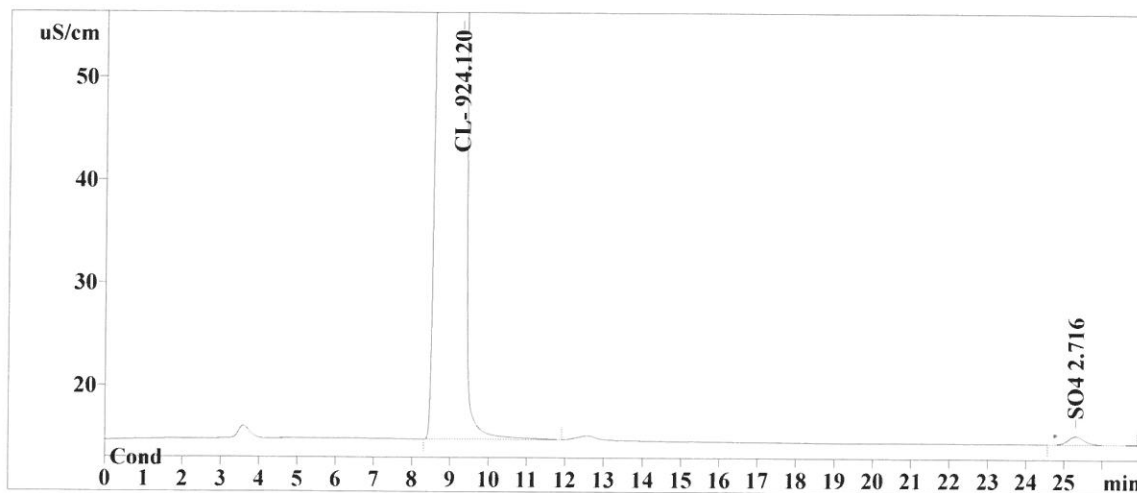
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Analysis from: 6/12/2018 2:56:49 PM
File: _2018-06-12_

Last save: 6/13/2018 10:41:24 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62575

Last save: 6/11/2018 3:17:14 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.26	0.519	494.53	99.79	14993.950	99.83	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	25.31	0.454	0.81	0.16	24.871	0.17	0.
7	27.00	0.139	495.34	99.95	15018.821	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:42:11 AM
Printed by: wet

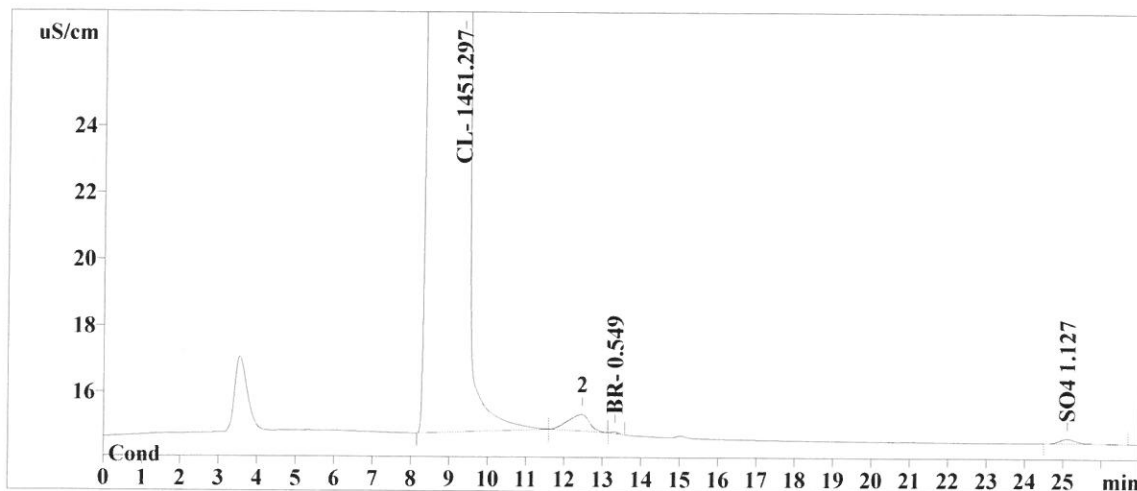
Ident: J3453-05
Analysis from: 6/12/2018 3:26:44 PM
File: _2018-06-12_

Last save: 6/12/2018 3:53:34 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62576

Last save: 6/11/2018 3:17:14 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.33	0.682	600.61	99.84	23548.744	99.90	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.33	0.196	0.05	0.01	0.626	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	25.11	0.462	0.14	0.02	4.726	0.02	0.
7	27.00	0.191	600.81	99.87	23554.096	99.92	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:42:21 AM
Printed by: wet

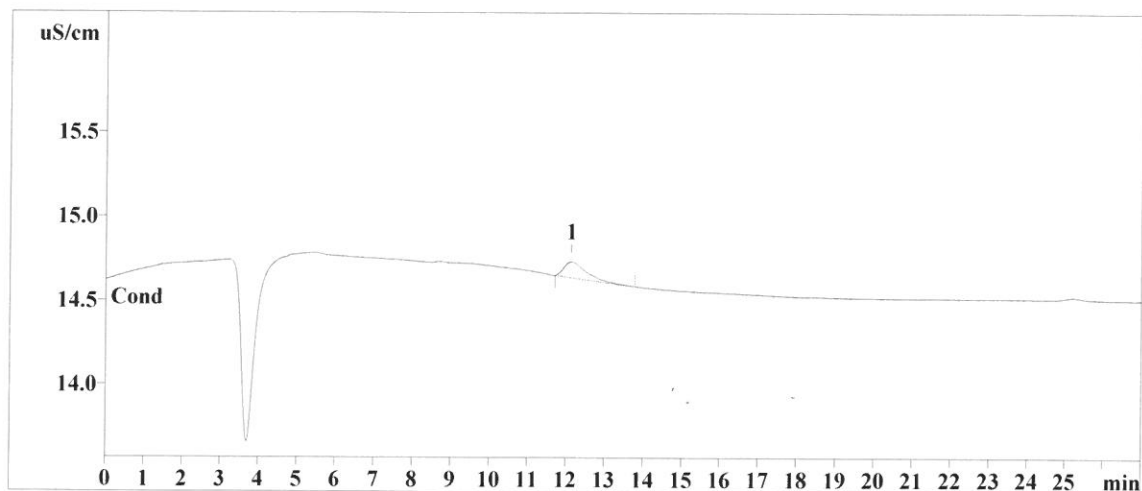
Ident: J3453-01DUP
Analysis from: 6/12/2018 3:56:39 PM
File: _2018-06-12_

Last save: 6/12/2018 4:23:28 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62577

Last save: 6/11/2018 3:17:14 PM

SAMPLE:
: AK/AP
Vial number: 7
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: 6/13/2018 10:42:30 AM
Printed by: wet

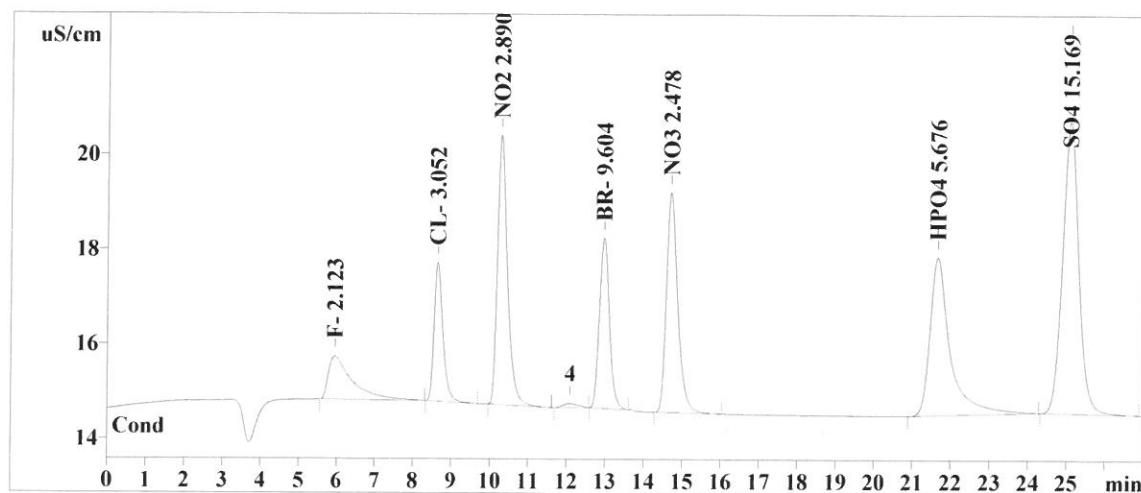
Ident: J3453-01MS
Analysis from: 6/12/2018 4:26:35 PM
File: _2018-06-12_

Last save: 6/12/2018 4:53:24 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62578

Last save: 6/11/2018 3:17:14 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	5.95	0.591	0.91	3.33	39.915	6.06	0.
2	8.62	0.240	2.93	10.71	47.268	7.17	0.
3	10.27	0.268	5.68	20.79	103.415	15.69	0.
4	12.96	0.280	3.59	13.14	65.521	9.94	0.
5	14.69	0.306	4.64	17.00	95.841	14.54	0.
6	21.64	0.474	3.33	12.19	122.051	18.52	0.
7	25.07	0.446	6.15	22.52	182.774	27.73	0.
7	27.00	0.372	27.23	99.67	656.783	99.63	0.

This report has been created by IC Net
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Report date: 6/13/2018 10:45:12 AM
 Printed by: wet

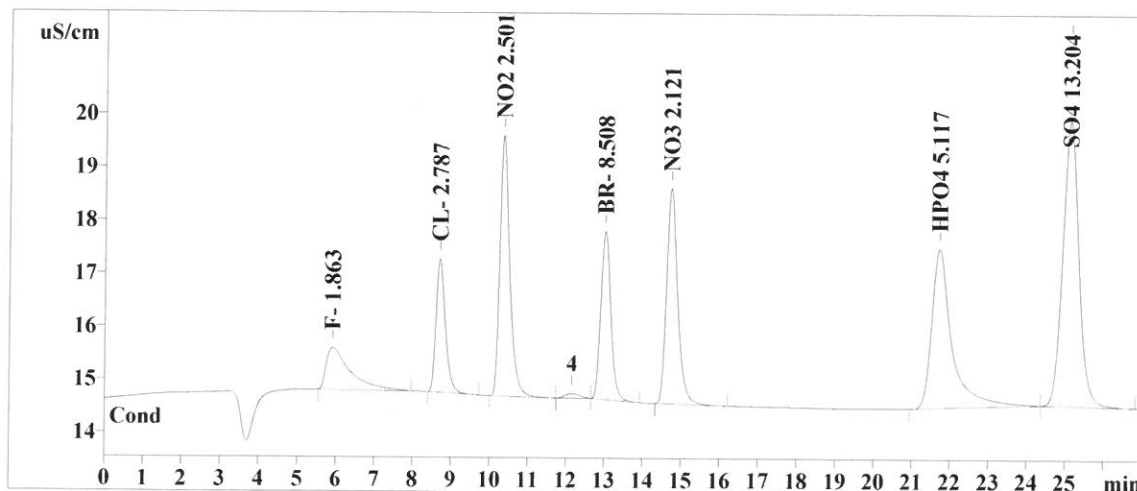
Ident: J3453-01MSD
 Analysis from: 6/12/2018 4:56:30 PM
 File: _2018-06-12_

Last save: 6/12/2018 5:23:18 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62579

Last save: 6/11/2018 3:17:14 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	5.91	0.596	0.79	3.31	34.537	6.00	0.
2	8.69	0.256	2.52	10.54	42.962	7.46	0.
3	10.34	0.266	4.91	20.55	88.615	15.39	0.
4	13.01	0.278	3.16	13.25	57.670	10.01	0.
5	14.72	0.299	4.05	16.98	81.402	14.13	0.
6	21.71	0.475	3.00	12.56	110.488	19.18	0.
7	25.11	0.444	5.36	22.44	157.860	27.41	0.
7	27.00	0.373	23.79	99.62	573.533	99.57	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 10:46:01 AM
Printed by: wet

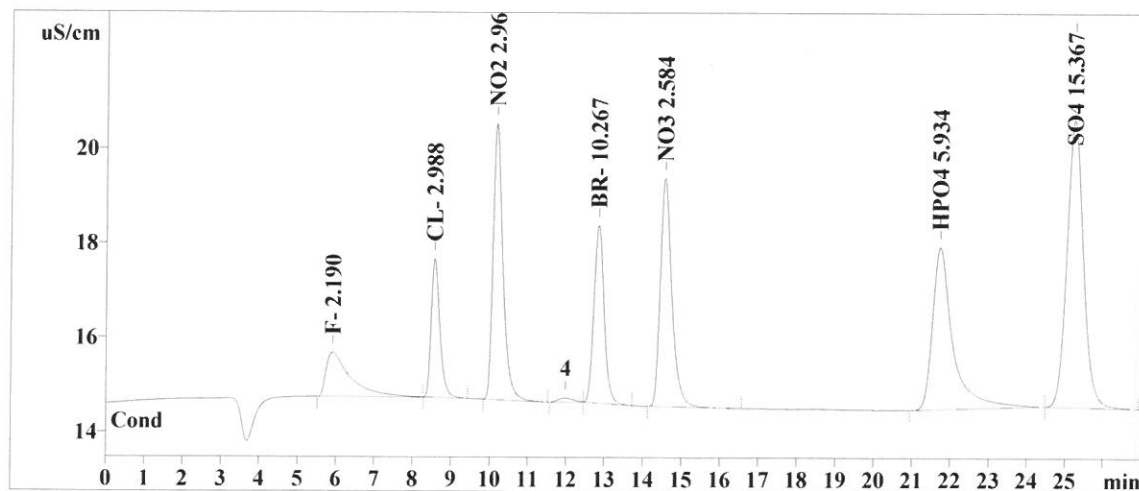
Ident: CCV
Analysis from: 6/12/2018 5:26:25 PM
File: _2018-06-12_

Last save: 6/12/2018 6:00:46 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62580

Last save: 6/11/2018 3:17:14 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	5.91	0.594	0.94	3.36	41.299	6.08	0.
2	8.55	0.235	2.93	10.51	46.228	6.81	0.
3	10.16	0.267	5.84	20.95	106.097	15.63	0.
4	12.84	0.286	3.76	13.46	70.275	10.35	0.
5	14.56	0.305	4.83	17.31	100.113	14.74	0.
6	21.73	0.480	3.43	12.29	127.397	18.76	0.
7	25.23	0.459	6.08	21.81	185.286	27.29	0.
7	27.00	0.375	27.80	99.68	676.696	99.66	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:46:09 AM
Printed by: wet

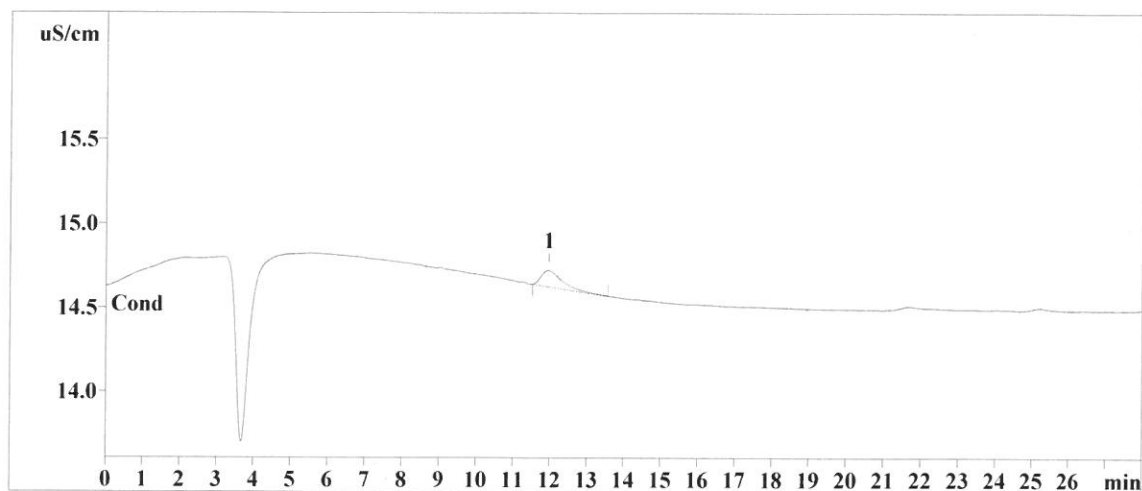
Ident: CCB
Analysis from: 6/12/2018 5:56:20 PM
File: _2018-06-12_

Last save: 6/12/2018 6:24:10 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62581

Last save: 6/12/2018 6:01:04 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:46:29 AM
Printed by: wet

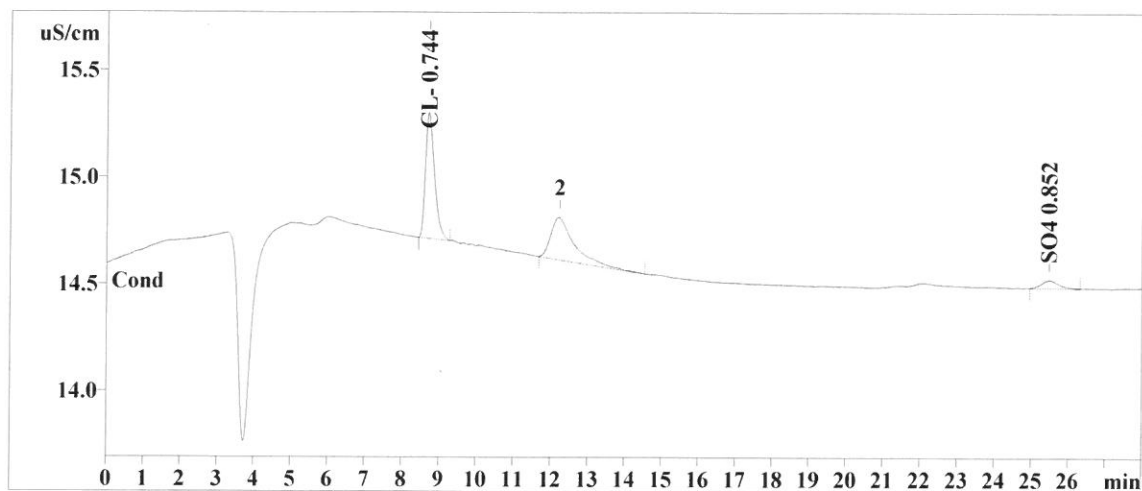
Ident: J3453-06
Analysis from: 6/12/2018 6:27:15 PM
File: _2018-06-12_

Last save: 6/12/2018 6:55:04 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62582

Last save: 6/12/2018 6:01:04 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.71	0.252	0.59	71.21	9.818	49.68	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	25.47	0.496	0.04	4.54	1.239	6.27	0.
7	28.00	0.107	0.63	75.74	11.057	55.95	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:46:37 AM
Printed by: wet

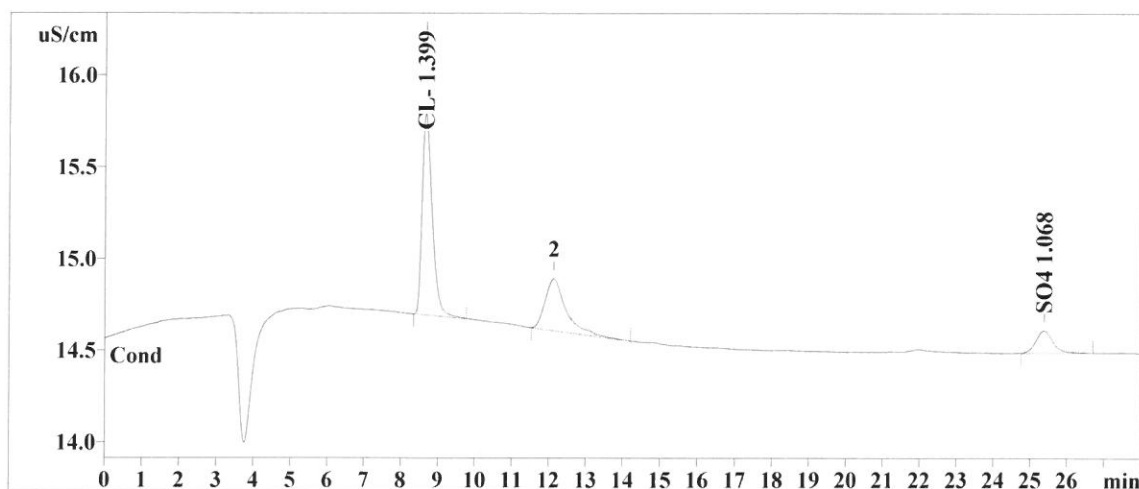
Ident: J3453-07
Analysis from: 6/12/2018 6:58:10 PM
File: _2018-06-12_

Last save: 6/12/2018 7:25:58 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62583

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 15
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.66	0.279	1.10	72.94	20.437	57.29	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	25.37	0.471	0.12	8.12	3.973	11.14	0.
7	28.00	0.107	1.22	81.06	24.409	68.43	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:46:47 AM
 Printed by: wet

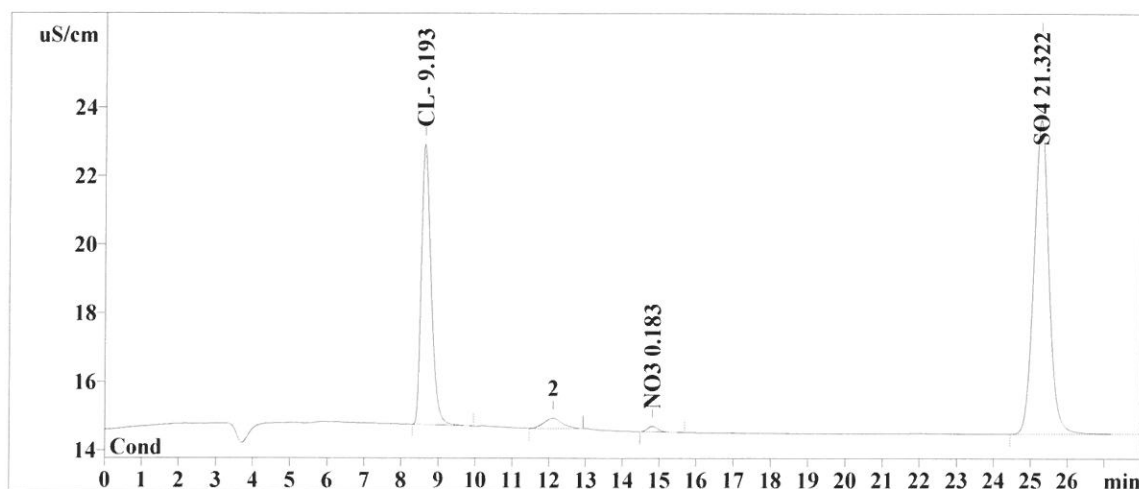
Ident: J3453-08
 Analysis from: 6/12/2018 7:29:05 PM
 File: _2018-06-12_

Last save: 6/12/2018 7:56:54 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62584

Last save: 6/12/2018 6:01:04 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	8.62	0.271	8.17	45.93	146.918	34.89	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	14.81	0.289	0.16	0.91	3.083	0.73	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.26	0.426	9.16	51.46	260.798	61.94	0.
7	28.00	0.141	17.49	98.30	410.799	97.56	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 10:47:03 AM
Printed by: wet

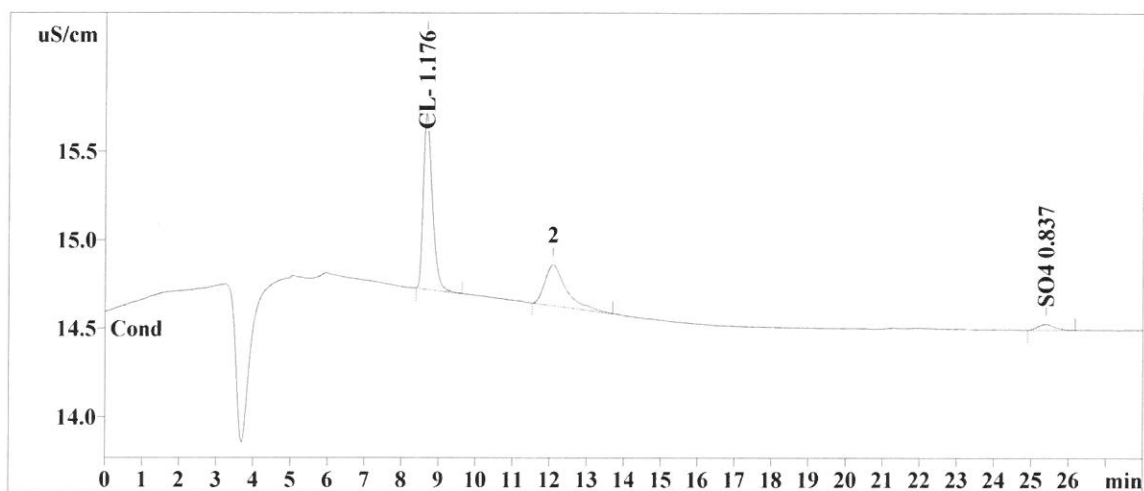
Ident: J3453-09
Analysis from: 6/12/2018 7:59:59 PM
File: _2018-06-12_

Last save: 6/12/2018 8:27:48 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62585

Last save: 6/12/2018 6:01:04 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	8.66	0.254	0.99	78.93	16.829	61.96	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	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	25.38	0.487	0.03	2.61	1.047	3.86	0.
7	28.00	0.106	1.03	81.55	17.876	65.82	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:47:12 AM
Printed by: wet

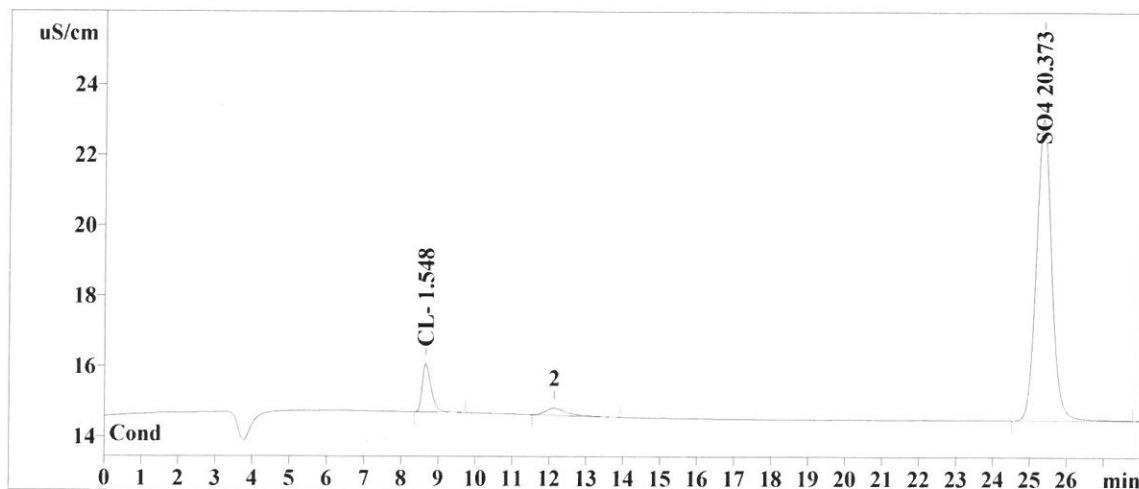
Ident: J3453-10
Analysis from: 6/12/2018 8:30:54 PM
File: _2018-06-12_

Last save: 6/12/2018 8:58:44 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62586

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 18
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	8.65	0.252	1.36	13.41	22.851	8.16	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	25.35	0.435	8.57	84.56	248.768	88.83	0.
7	28.00	0.098	9.93	97.97	271.619	96.99	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:50:21 AM
Printed by: wet

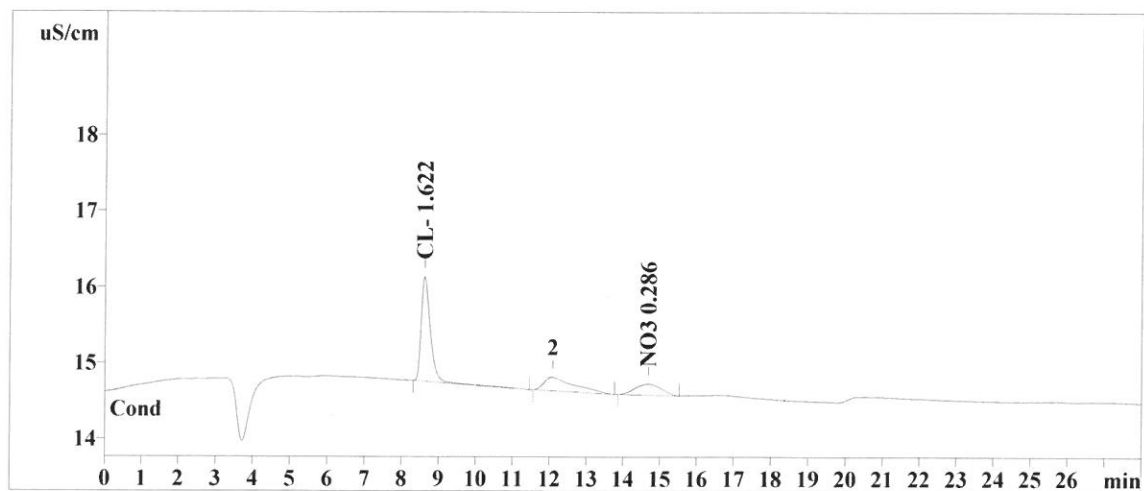
Ident: J3453-11
Analysis from: 6/12/2018 9:01:49 PM
File: _2018-06-12_

Last save: 6/13/2018 10:50:14 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62587

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 19
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	8.61	0.255	1.38	80.75	24.054	57.60	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	14.68	0.819	0.15	8.60	7.274	17.42	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	0.154	1.52	89.35	31.328	75.01	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:50:39 AM
 Printed by: wet

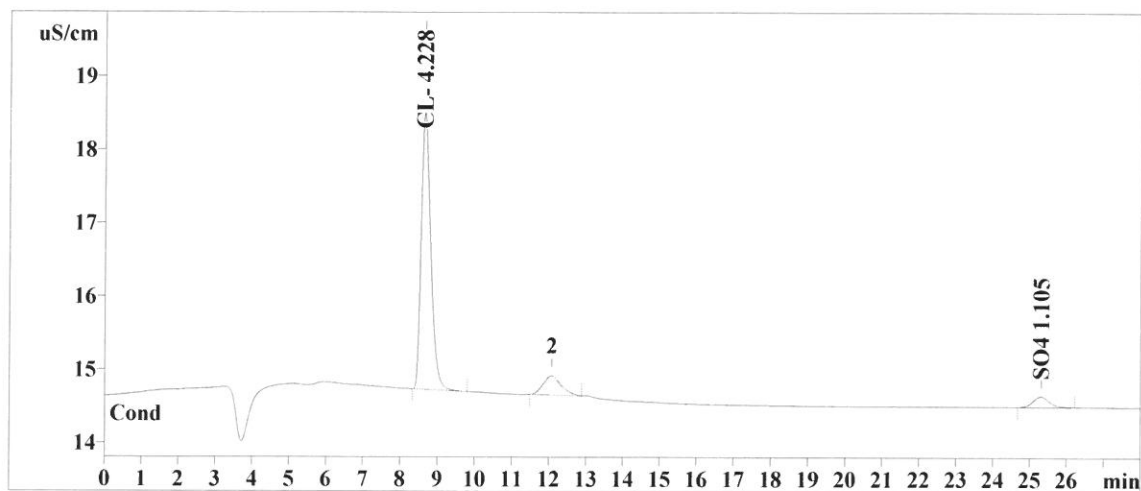
Ident: J3453-12
 Analysis from: 6/12/2018 9:32:44 PM
 File: _2018-06-12_

Last save: 6/12/2018 10:00:32 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62588

Last save: 6/12/2018 6:01:04 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	8.64	0.264	3.78	90.21	66.352	83.21	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	25.30	0.464	0.14	3.45	4.449	5.58	0.
7	28.00	0.104	3.92	93.66	70.800	88.79	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 10:51:02 AM
Printed by: wet

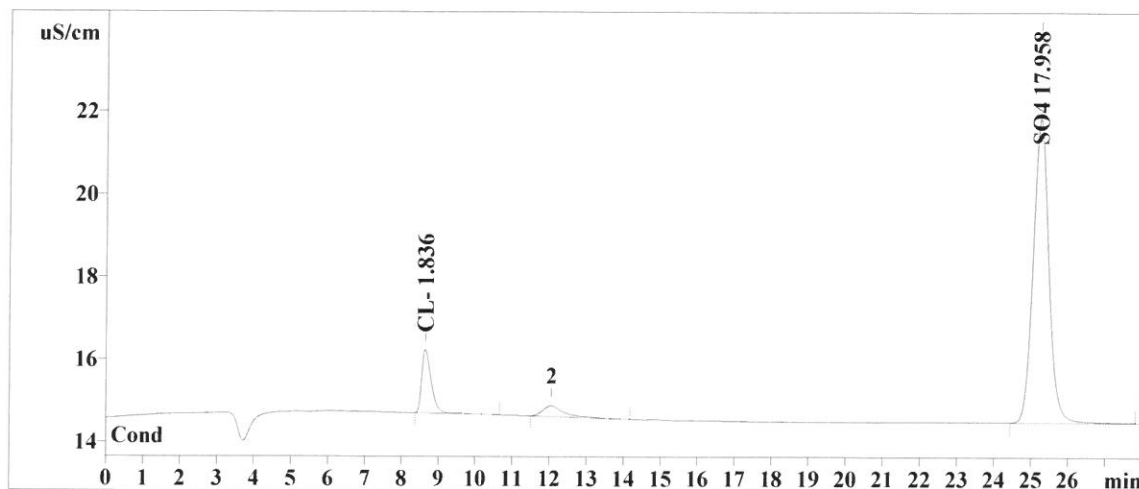
Ident: J3453-15
Analysis from: 6/12/2018 10:03:39 PM
File: _2018-06-12_

Last save: 6/12/2018 10:31:28 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62589

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 21
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	0.265	1.53	16.73	27.531	10.75	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	25.24	0.446	7.35	80.39	218.144	85.17	0.
7	28.00	0.101	8.88	97.12	245.675	95.91	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:51:41 AM
 Printed by: wet

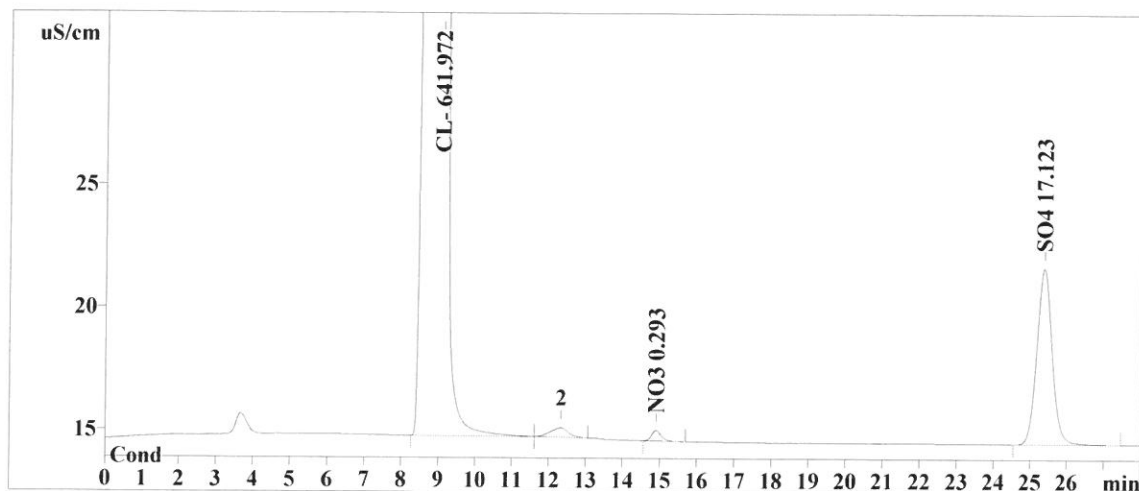
Ident: J3453-16
 Analysis from: 6/12/2018 10:34:34 PM
 File: _2018-06-12_

Last save: 6/12/2018 11:02:22 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62590

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
 : AK/AP
 Vial number: 22
 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	9.08	0.422	414.09	98.03	10415.368	97.86	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	14.90	0.269	0.42	0.10	7.550	0.07	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.37	0.435	7.17	1.70	207.551	1.95	0.
7	28.00	0.161	421.68	99.83	10630.469	99.88	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 10:52:35 AM
 Printed by: wet

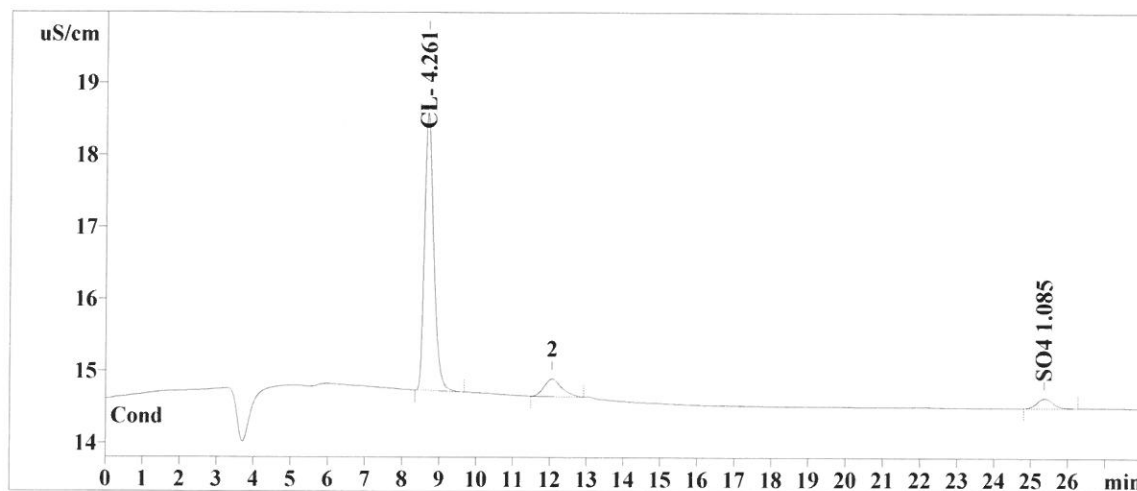
Ident: J3453-12DUP
 Analysis from: 6/12/2018 11:05:29 PM
 File: _2018-06-12_

Last save: 6/12/2018 11:33:18 PM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62591

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
 : AK/AP
 Vial number: 23
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.67	0.262	3.85	90.94	66.881	84.35	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	25.37	0.459	0.14	3.26	4.194	5.29	0.
7	28.00	0.103	3.99	94.20	71.075	89.64	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 10:53:08 AM
Printed by: wet

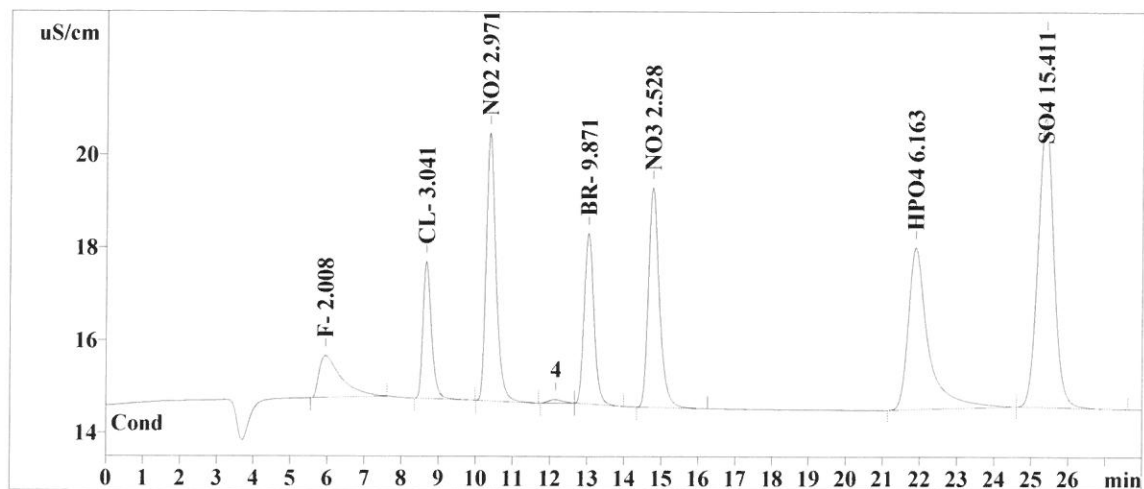
Ident: CCV
Analysis from: 6/12/2018 11:36:24 PM
File: _2018-06-12_

Last save: 6/13/2018 12:04:12 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62592

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 26
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.95	0.594	0.90	3.25	37.541	5.55	0.
2	8.66	0.237	2.95	10.61	47.093	6.96	0.
3	10.36	0.273	5.78	20.75	106.529	15.75	0.
4	13.03	0.280	3.68	13.21	67.432	9.97	0.
5	14.75	0.307	4.73	17.00	97.859	14.47	0.
6	21.88	0.492	3.49	12.53	132.125	19.53	0.
7	25.36	0.450	6.23	22.37	185.846	27.47	0.
7	28.00	0.376	27.76	99.72	674.425	99.69	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:53:17 AM
Printed by: wet

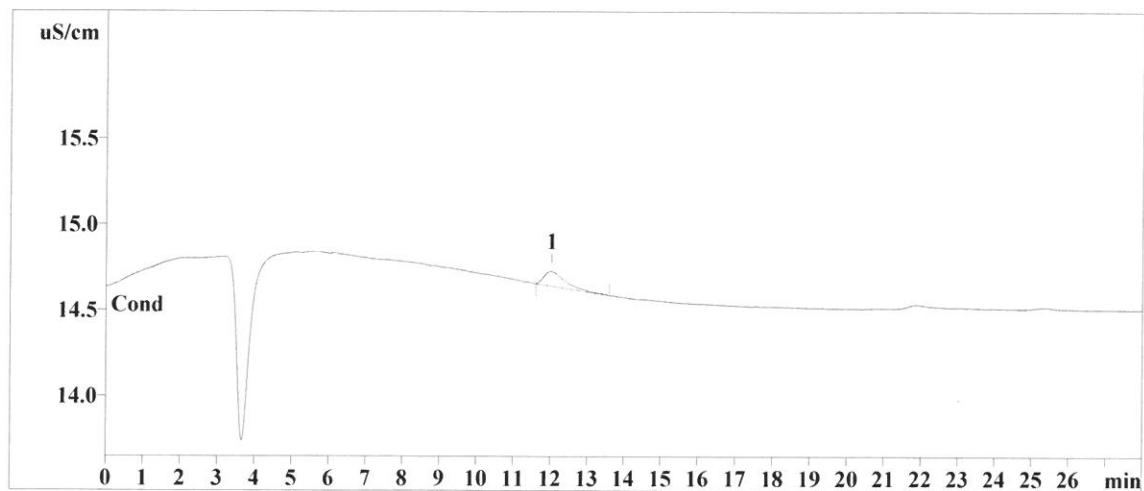
Ident: CCB
Analysis from: 6/13/2018 12:07:18 AM
File: _2018-06-13_

Last save: 6/13/2018 12:35:08 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62593

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 27
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:54:39 AM
Printed by: wet

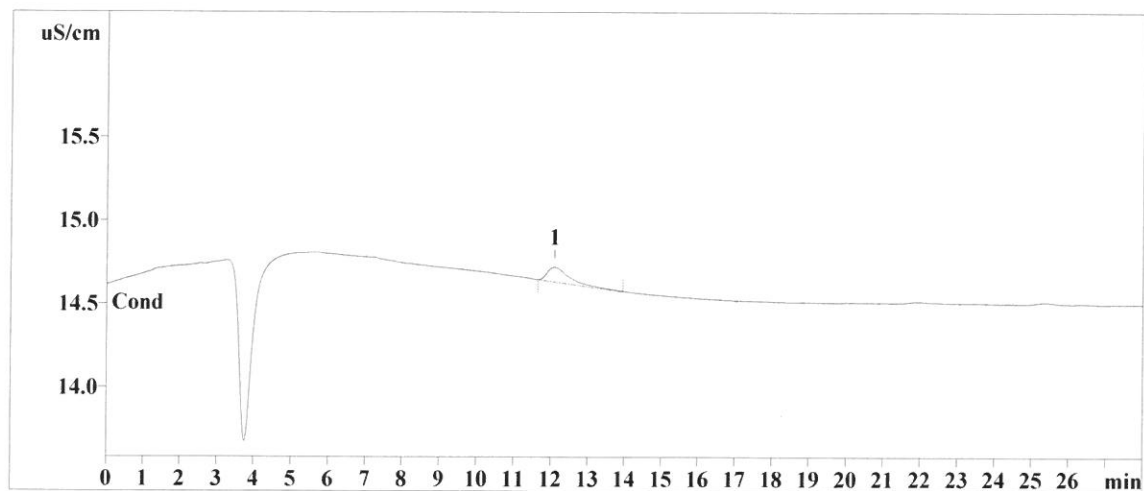
Ident: LB95978BLW2
Analysis from: 6/13/2018 12:38:13 AM
File: _2018-06-13_

Last save: 6/13/2018 10:54:20 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62594

Last save: 6/12/2018 6:01:04 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	28.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:54:48 AM
 Printed by: wet

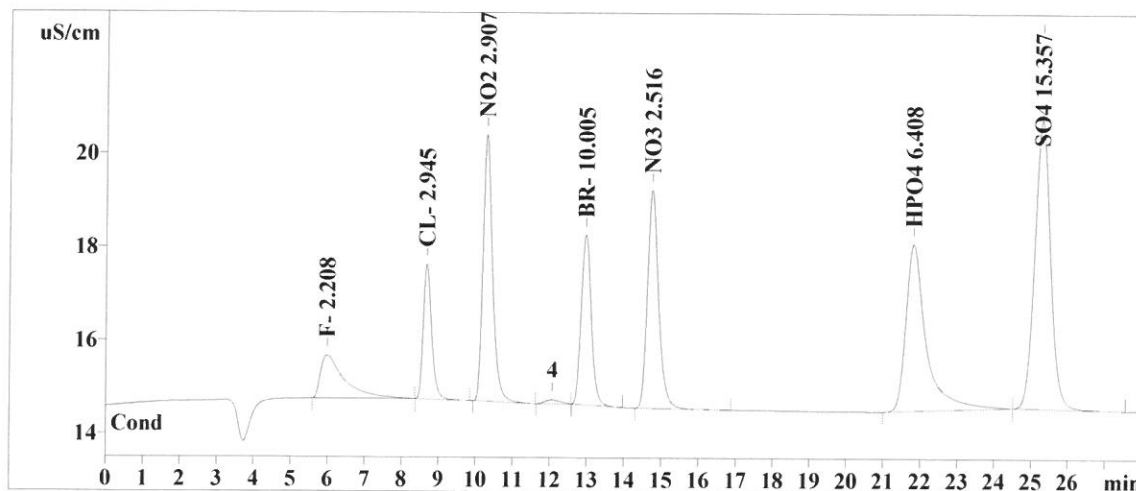
Ident: LB95978BSW2
 Analysis from: 6/13/2018 1:09:08 AM
 File: _2018-06-13_

Last save: 6/13/2018 10:54:20 AM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62595

Last save: 6/12/2018 6:01:04 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	5.98	0.608	0.92	3.34	41.664	6.11	0.
2	8.66	0.236	2.89	10.44	45.533	6.68	0.
3	10.27	0.270	5.71	20.66	104.060	15.26	0.
4	12.96	0.287	3.64	13.16	68.393	10.03	0.
5	14.73	0.311	4.67	16.88	97.360	14.28	0.
6	21.80	0.500	3.57	12.90	137.200	20.12	0.
7	25.28	0.454	6.17	22.31	185.159	27.16	0.
7	28.00	0.381	27.57	99.68	679.370	99.65	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 12:56:30 PM
Printed by: wet

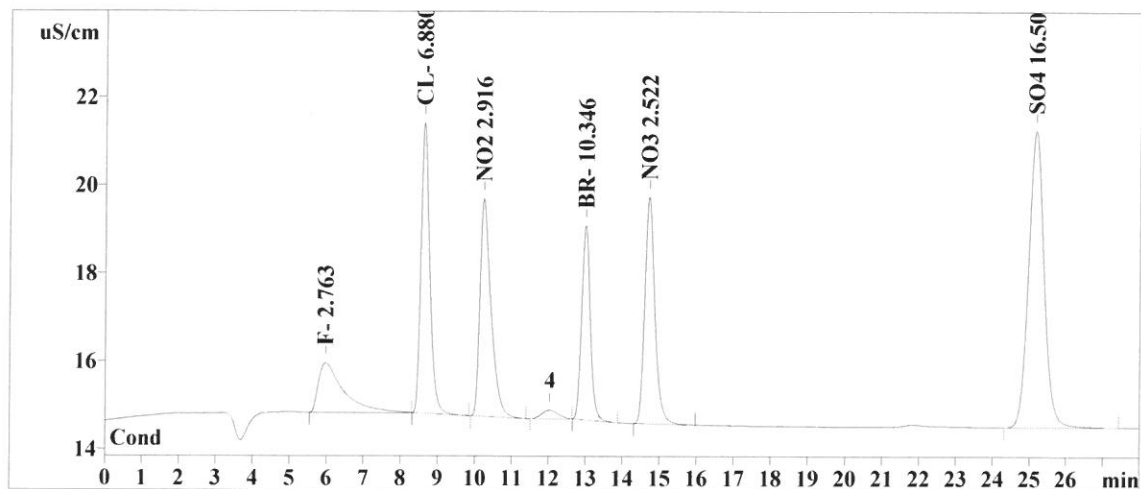
Ident: J3453-13MS
Analysis from: 6/13/2018 1:40:03 AM
File: _2018-06-13_

Last save: 6/13/2018 12:56:24 PM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62596

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

SAMPLE:
: AK/AP
Vial number: 24
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	0.650	1.13	3.87	53.115	8.28	0.
2	8.61	0.248	6.60	22.63	109.388	17.06	0.
3	10.22	0.315	4.94	16.94	104.422	16.29	0.
4	13.00	0.243	4.41	15.13	70.836	11.05	0.
5	14.70	0.282	5.15	17.65	97.606	15.22	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.15	0.445	6.74	23.10	199.675	31.14	0.
7	28.00	0.312	28.97	99.31	635.042	99.04	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:56:22 AM
Printed by: wet

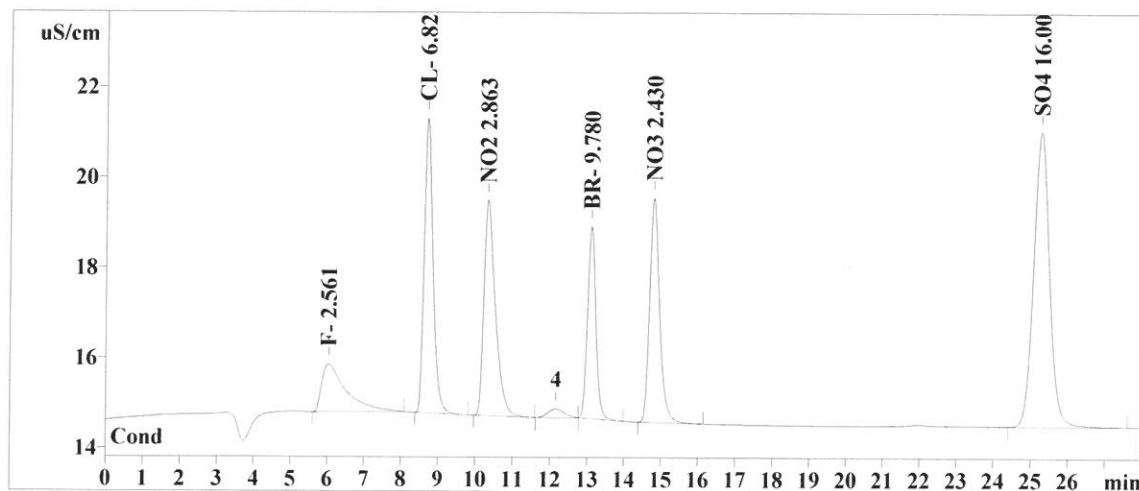
Ident: J3453-14MSD
Analysis from: 6/13/2018 2:10:58 AM
File: _2018-06-13_

Last save: 6/13/2018 10:56:08 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62597

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 25
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	6.03	0.637	1.06	3.74	48.948	7.90	0.
2	8.69	0.249	6.54	23.09	108.445	17.50	0.
3	10.32	0.319	4.77	16.86	102.394	16.52	0.
4	13.10	0.238	4.25	15.02	66.785	10.78	0.
5	14.79	0.280	4.97	17.55	93.895	15.15	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.26	0.445	6.53	23.05	193.416	31.21	0.
7	28.00	0.310	28.12	99.30	613.882	99.05	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/13/2018 10:56:57 AM
 Printed by: wet

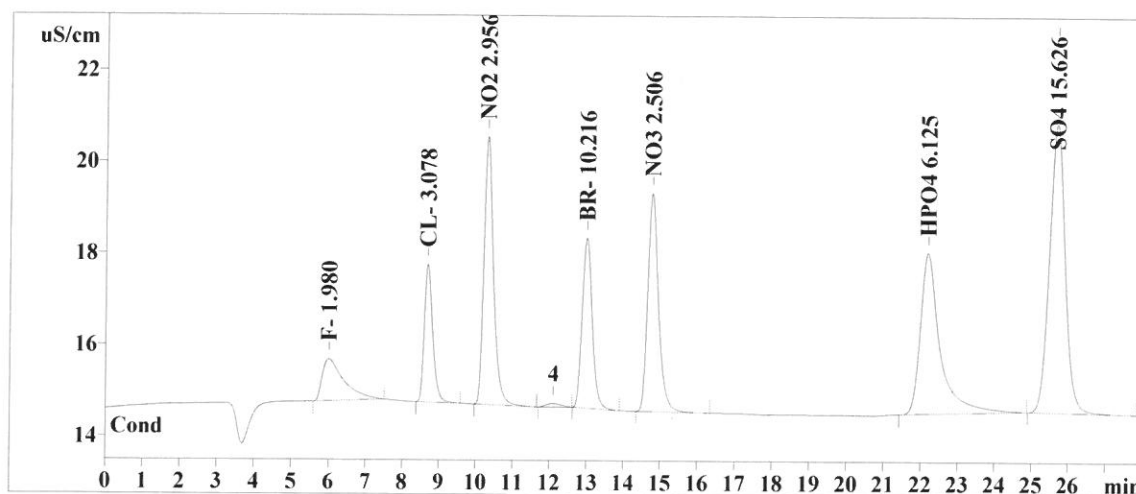
Ident: CCV
 Analysis from: 6/13/2018 2:41:53 AM
 File: _2018-06-13_

Last save: 6/13/2018 3:09:42 AM

Method: ANIONS 06-11-18.mtw
 Run operator: wet
 Analysis number: 62598

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
 : AK/AP
 Vial number: 26
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	6.00	0.586	0.91	3.25	36.951	5.44	0.
2	8.68	0.237	3.01	10.69	47.691	7.02	0.
3	10.30	0.268	5.85	20.78	105.931	15.59	0.
4	12.99	0.287	3.71	13.20	69.911	10.29	0.
5	14.76	0.303	4.76	16.90	96.969	14.27	0.
6	22.17	0.487	3.51	12.48	131.331	19.33	0.
7	25.67	0.451	6.31	22.41	188.573	27.75	0.
7	28.00	0.374	28.07	99.71	677.358	99.67	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/13/2018 10:57:17 AM
Printed by: wet

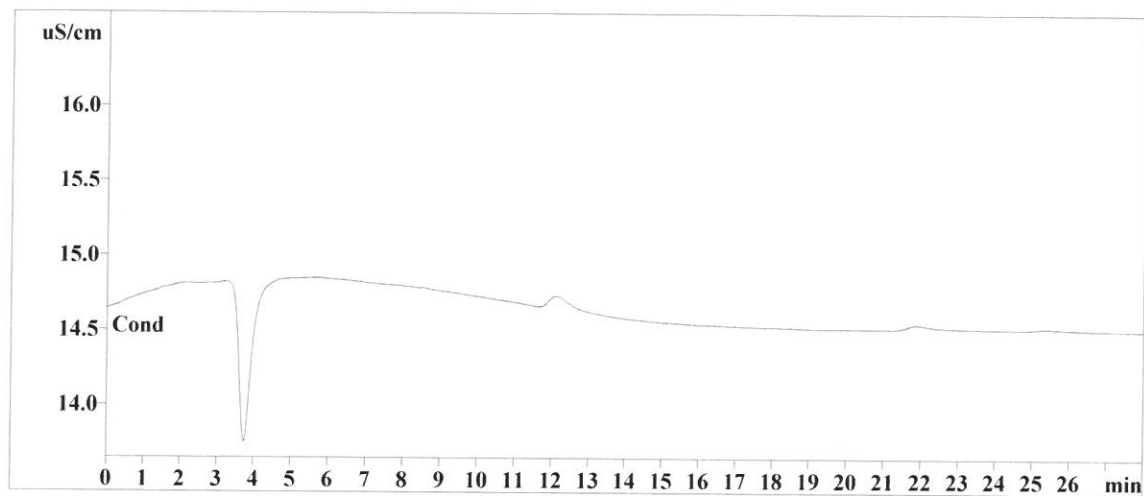
Ident: CCB
Analysis from: 6/13/2018 3:12:48 AM
File: _2018-06-13_

Last save: 6/13/2018 10:57:18 AM

Method: ANIONS 06-11-18.mtw
Run operator: wet
Analysis number: 62599

Last save: 6/12/2018 6:01:04 PM

SAMPLE:
: AK/AP
Vial number: 27
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

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