

10/10/2017 10:10:17

10/13/17 AR

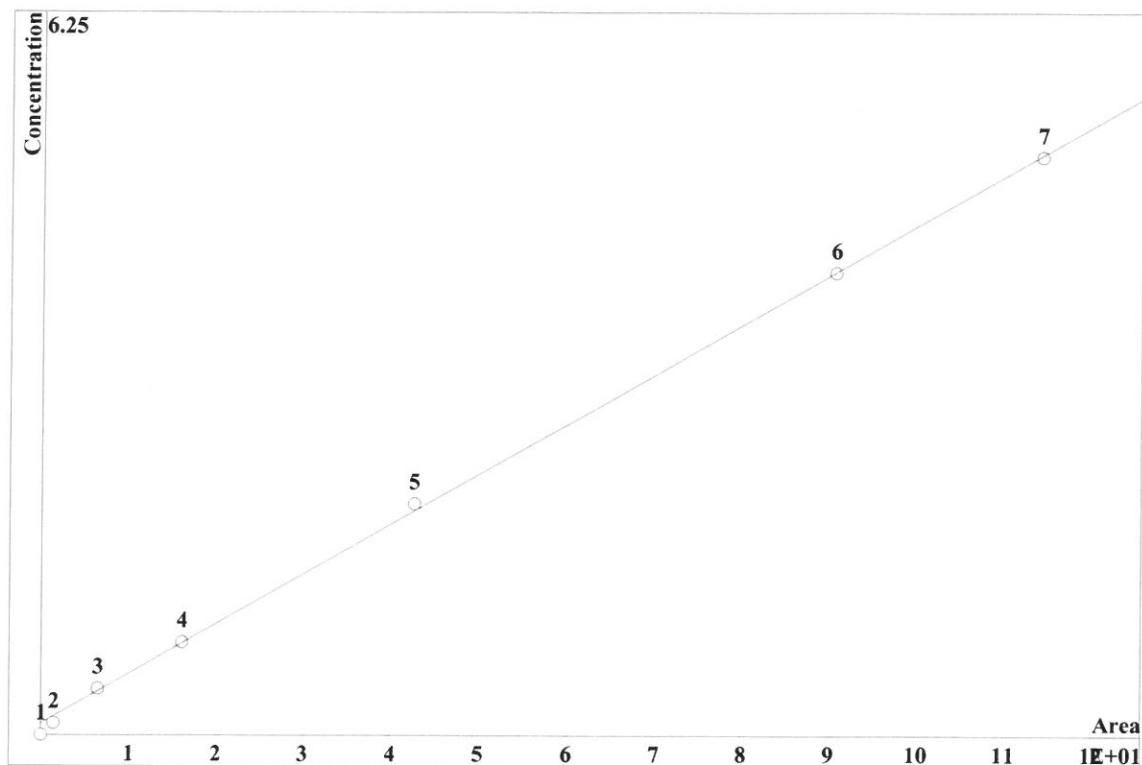
Clear table

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	2017-10-09	10/9/17 10:05
STD2	0.1630	0.2290	0.2290	0.6910	0.2090	0.3940	1.3410	2017-10-09	10/9/17 10:35
STD3	0.3780	0.6300	0.6430	2.0910	0.5350	1.1280	3.2330	2017-10-09	10/9/17 11:05
STD4	0.7940	1.1810	1.1750	3.9250	0.9790	1.9510	5.8330	2017-10-09	10/9/17 11:35
STD5	1.9400	2.9080	2.8830	9.8240	2.3990	4.7880	14.1990	2017-10-09	10/9/17 12:05
STD6	4.0050	5.8690	5.9040	19.5690	4.8640	9.6660	29.4000	2017-10-09	10/9/17 12:35
STD7	5.0200	7.6340	7.6160	25.3990	6.3890	12.8220	38.2440	2017-10-09	10/9/17 13:05
ICV	2.0420	2.9490	2.9450	9.8650	2.4420	5.2780	14.8370	2017-10-09	10/9/17 14:52
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2017-10-09	10/9/17 15:22
CCV	2.1890	3.0540	2.8950	9.7930	2.4230	1.2070	14.4540	2017-10-27	10/27/17 9:17
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2017-10-27	10/27/17 10:07
LB91162BLS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2017-10-27	10/27/17 10:36
LB91162BSS	2.1540	2.8740	2.8550	9.1130	2.3310	1.8080	14.0570	2017-10-27	10/27/17 11:05
I6157-01	0.0000	0.4840	0.0000	0.0000	0.0000	0.0000	1.5960	2017-10-27	10/27/17 11:34
I6157-01DUP	0.0000	0.5100	0.0000	0.0000	0.0000	0.0000	1.5790	2017-10-27	10/27/17 12:03
I6157-02	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000	3.4570	2017-10-27	10/27/17 12:31
I6157-03	0.0000	0.7690	0.0000	0.0000	0.0000	0.0000	1.5370	2017-10-27	10/27/17 13:00
I6157-04	0.0000	0.4660	0.0000	0.0000	0.0000	0.0000	0.8860	2017-10-27	10/27/17 13:29
I6157-05	0.0000	1.0800	0.0000	0.0000	0.0000	0.0000	4.2820	2017-10-27	10/27/17 13:58
I6157-06	0.0000	1.2190	0.0000	0.0000	0.0000	0.0000	4.6400	2017-10-27	10/27/17 14:27
CCV	2.1170	2.8680	2.8940	9.8330	2.3450	2.8070	13.8560	2017-10-27	10/27/17 15:31
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2017-10-27	10/27/17 16:07
I6157-04DUP	0.0000	0.4890	0.0000	0.0000	0.0000	0.0000	0.8800	2017-10-27	10/27/17 16:36
I6157-01MS	2.1070	3.6160	2.9590	10.0540	2.4320	1.2870	15.7730	2017-10-27	10/27/17 17:05
I6157-01MSD	2.1320	3.7620	3.0750	9.9340	2.4550	1.3010	16.1040	2017-10-27	10/27/17 17:34
CCV	2.1550	2.8870	2.8970	9.1040	2.3150	2.7350	13.8830	2017-10-27	10/27/17 18:03
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2017-10-27	10/27/17 18:33

IC-1
10-09-17

CALIBRATION OF COMPONENT F-

Method: ANIONS 10-09-17.mtw
Equation: $Q = 0.86129 \cdot A + 2.02421$
RSD: 2.252 %
Correlation coefficient: 0.999793



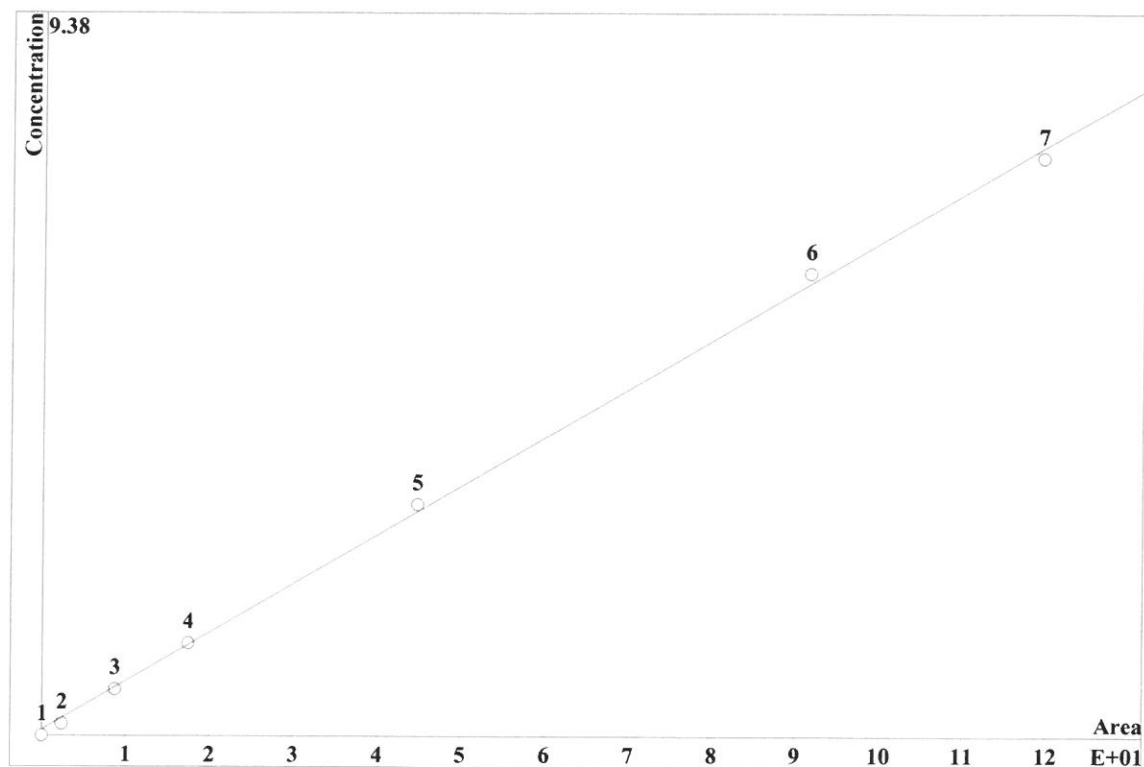
K3 = 0 K2 = 0 K1 = 0.86129 K0 = 2.02421

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	0.07192	1.439	0.1	0.1	20	5.813		Yes
3	0.3127	6.419	0.4	0.4	20	5.813		Yes
4	0.6874	16.1	0.8	0.8	20	5.813		Yes
5	1.893	42.7	2	2	20	5.813		Yes
6	4.064	90.64	4	4	20	5.813		Yes
7	5.333	114.2	5	5	20	5.813		Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 10-09-17.mtw
 Equation: $Q = 1.2643 \cdot A + 1.5686$
 RSD: 3.672 %
 Correlation coefficient: 0.999450



K3 = 0 K2 = 0 K1 = 1.2643 K0 = 1.5686

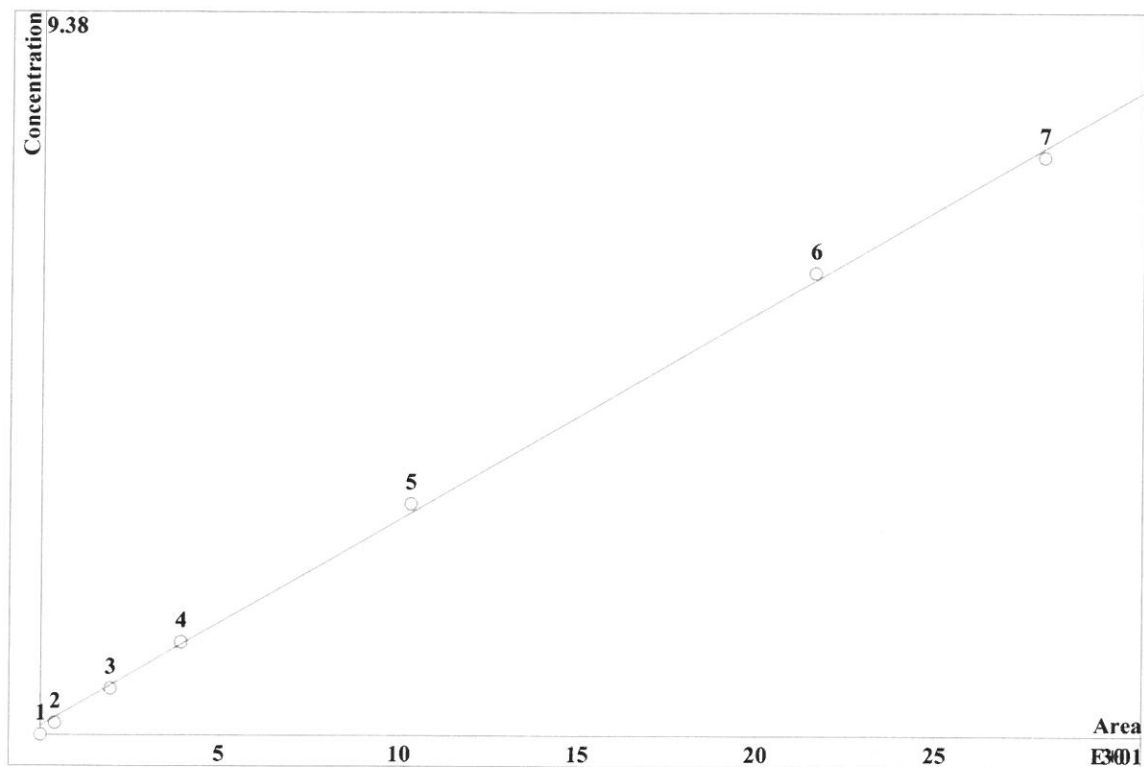
Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0	No	
2	0.112	2.38	0.15	20	8.549	Yes	
3	0.4267	8.718	0.6	20	8.549	Yes	
4	0.8585	17.44	1.2	20	8.549	Yes	
5	2.218	44.76	3	20	8.549	Yes	
6	4.598	91.6	6	20	8.549	Yes	
7	5.974	119.5	7.5	20	8.549	Yes	

±□;□

CALIBRATION OF COMPONENT NO2

Method: ANIONS 10-09-17.mtw
 Equation: $Q = 0.53566 \cdot A + 2.41064$
 RSD: 3.445 %
 Correlation coefficient: 0.999516



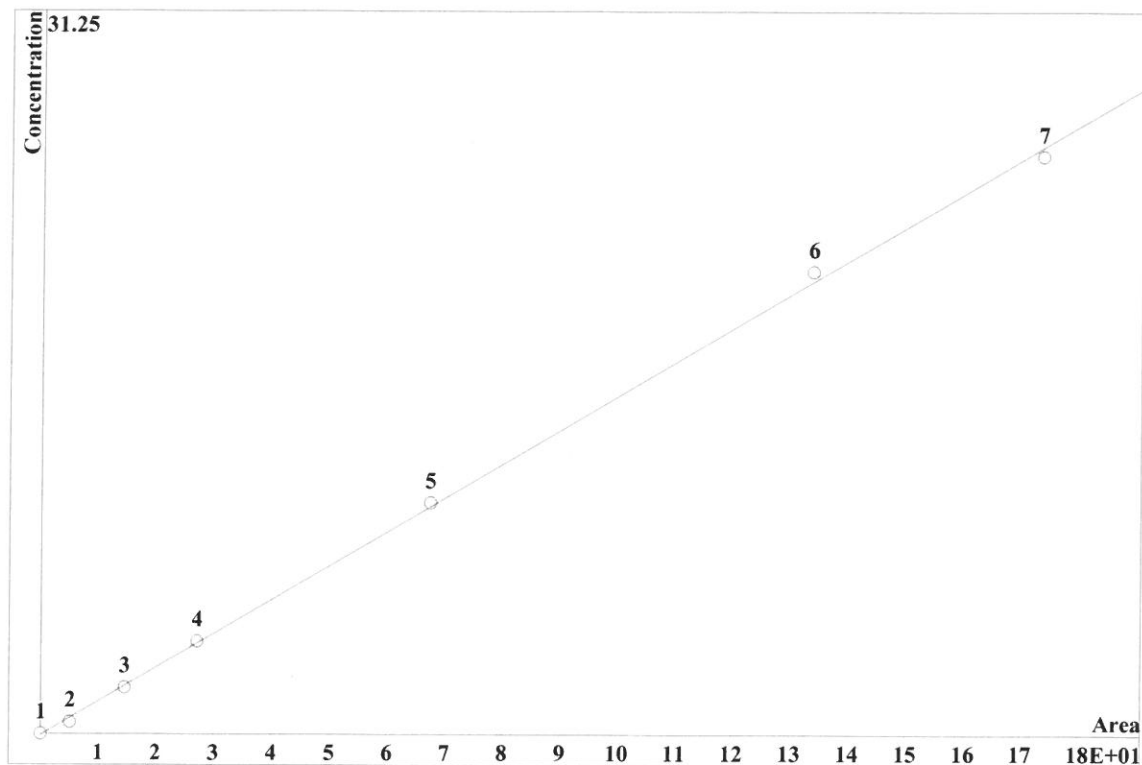
K3 = 0 K2 = 0 K1 = 0.53566 K0 = 2.41064

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	0.1859	4.032	0.15	20	10.12	Yes	
3	0.8464	19.5	0.6	20	10.12	Yes	
4	1.744	39.36	1.2	20	10.12	Yes	
5	4.642	103.2	3	20	10.12	Yes	
6	9.756	216	6	20	10.12	Yes	
7	12.68	279.9	7.5	20	10.12	Yes	

CALIBRATION OF COMPONENT BR-

Method: ANIONS 10-09-17.mtw
 Equation: $Q = 2.9328 \cdot A - 1.14636$
 RSD: 3.182 %
 Correlation coefficient: 0.999587



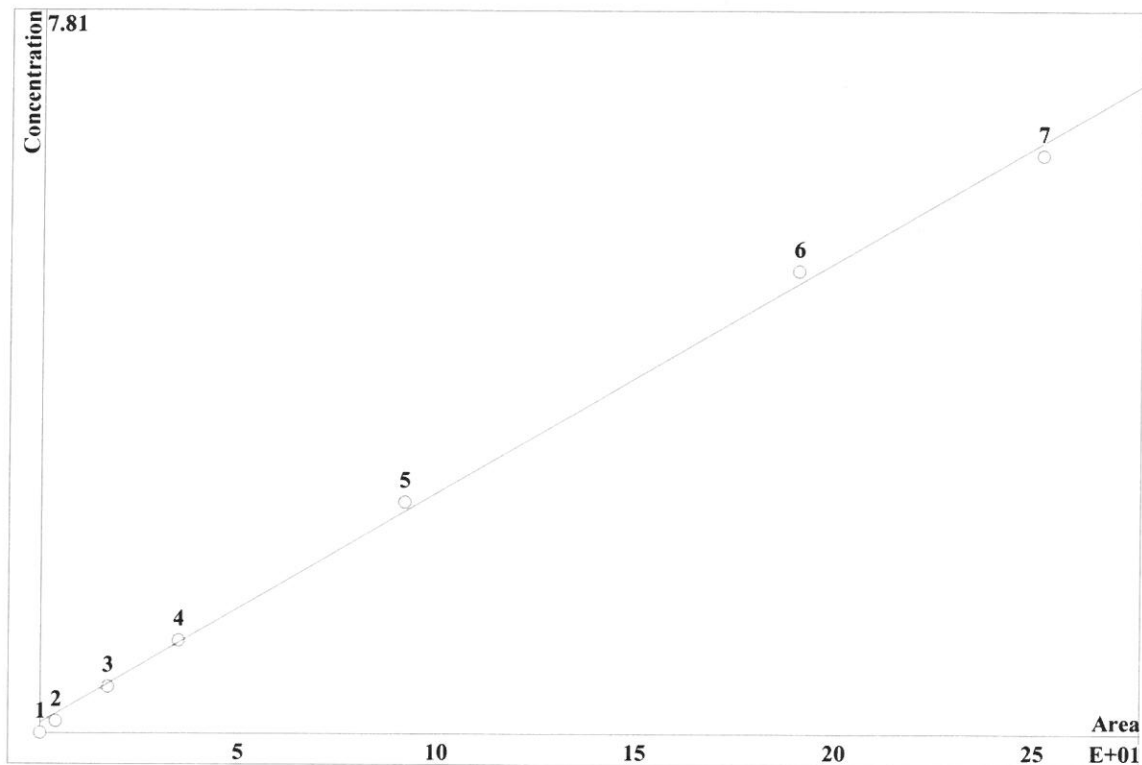
K3 = 0 K2 = 0 K1 = 2.9328 K0 = -1.14636

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	0.1319	5.103	0.5	20	12.77	Yes	
3	0.3655	14.65	2	20	12.77	Yes	
4	0.6666	27.16	4	20	12.77	Yes	
5	1.524	67.39	10	20	12.77	Yes	
6	2.684	133.8	20	20	12.77	Yes	
7	3.273	173.6	25	20	12.77	Yes	

CALIBRATION OF COMPONENT NO3

Method: ANIONS 10-09-17.mtw
 Equation: $Q = 0.498326 \cdot A + 2.26137$
 RSD: 4.652 %
 Correlation coefficient: 0.999116



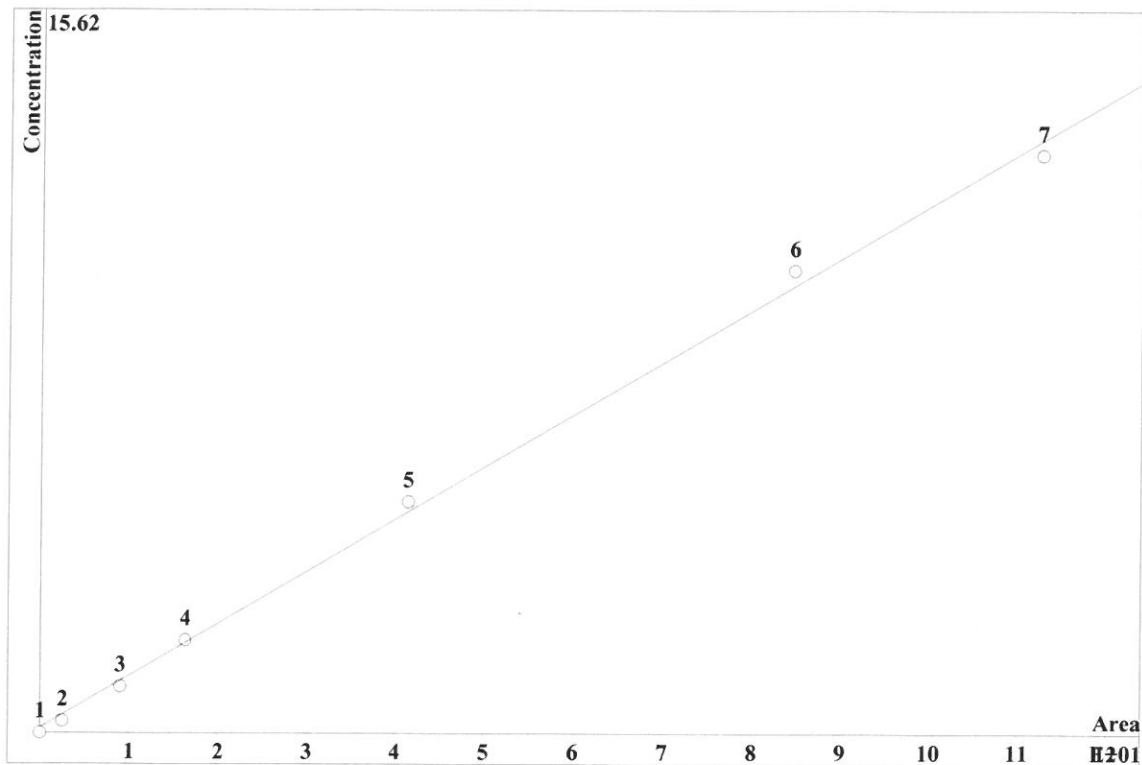
K3 = 0 K2 = 0 K1 = 0.498326 K0 = 2.26137

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	0.1399	3.863	0.125	20	14.38	Yes	
3	0.5984	16.92	0.5	20	14.38	Yes	
4	1.217	34.75	1	20	14.38	Yes	
5	3.182	91.75	2.5	20	14.38	Yes	
6	6.668	190.7	5	20	14.38	Yes	
7	8.653	251.9	6.25	20	14.38	Yes	

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 10-09-17.mtw
 Equation: $Q = 2.25662 \cdot A + 2.2697$
 RSD: 5.339 %
 Correlation coefficient: 0.998836



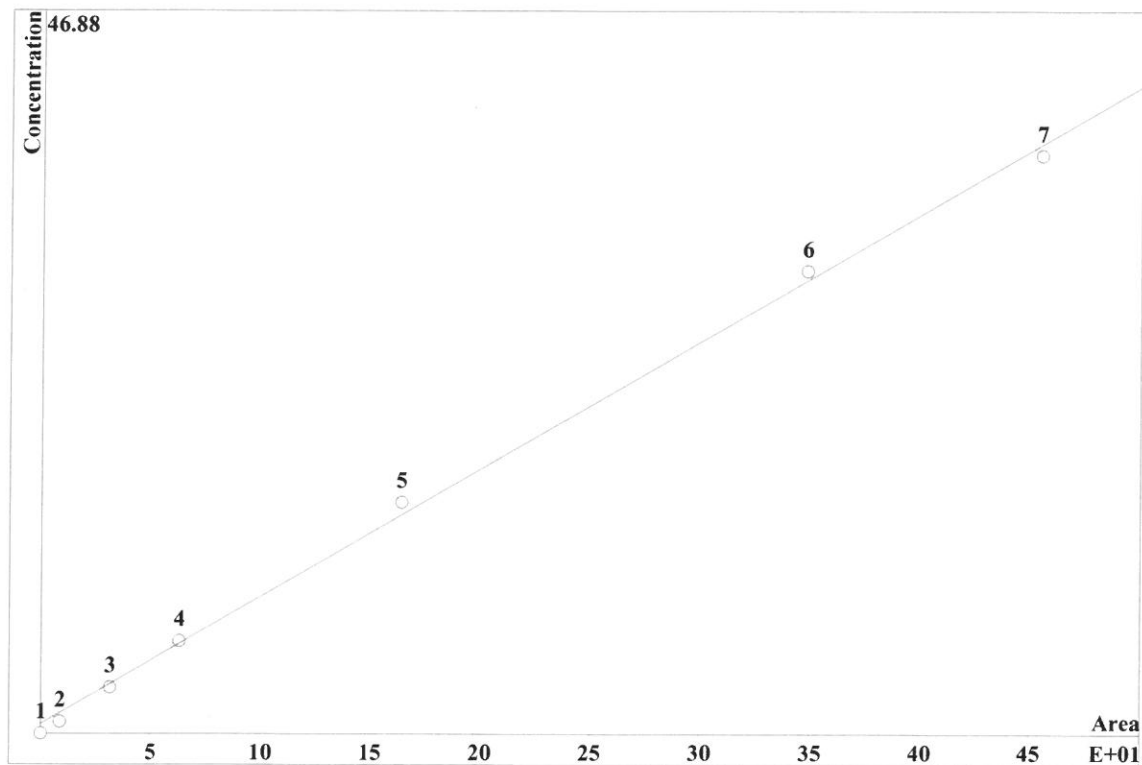
K3 = 0 K2 = 0 K1 = 2.25662 K0 = 2.2697

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	0.03997	2.484	0.25	20	21.58	Yes	
3	0.1437	8.995	1	20	21.58	Yes	
4	0.2675	16.28	2	20	21.58	Yes	
5	0.7043	41.43	5	20	21.58	Yes	
6	1.487	84.67	10	20	21.58	Yes	
7	2.01	112.6	12.5	20	21.58	Yes	

CALIBRATION OF COMPONENT SO4

Method: ANIONS 10-09-17.mtw
 Equation: $Q = 1.6528 \cdot A + 12.6134$
 RSD: 4.583 %
 Correlation coefficient: 0.999142



K3 = 0 K2 = 0 K1 = 1.6528 K0 = 12.6134

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	0.1944	8.6	0.75	20	24.1	Yes	
3	0.7368	31.49	3	20	24.1	Yes	
4	1.5	62.95	6	20	24.1	Yes	
5	3.959	164.2	15	20	24.1	Yes	
6	8.459	348.1	30	20	24.1	Yes	
7	11.15	455.1	37.5	20	24.1	Yes	

Report date: 10/11/2017 9:43:28 AM
Printed by: wet

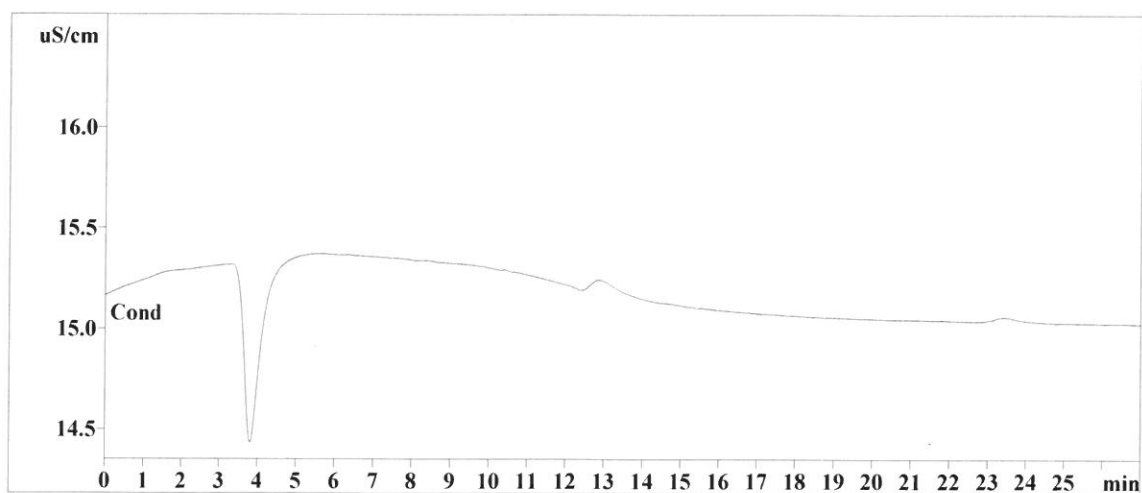
Ident: STD1
Analysis from: 10/9/2017 10:05:47 AM
File: _2017-10-09_

Last save: 10/9/2017 2:28:58 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59329

Last save: 10/9/2017 1:02:12 PM

SAMPLE:
: AP/AK
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: 10/11/2017 9:43:37 AM
Printed by: wet

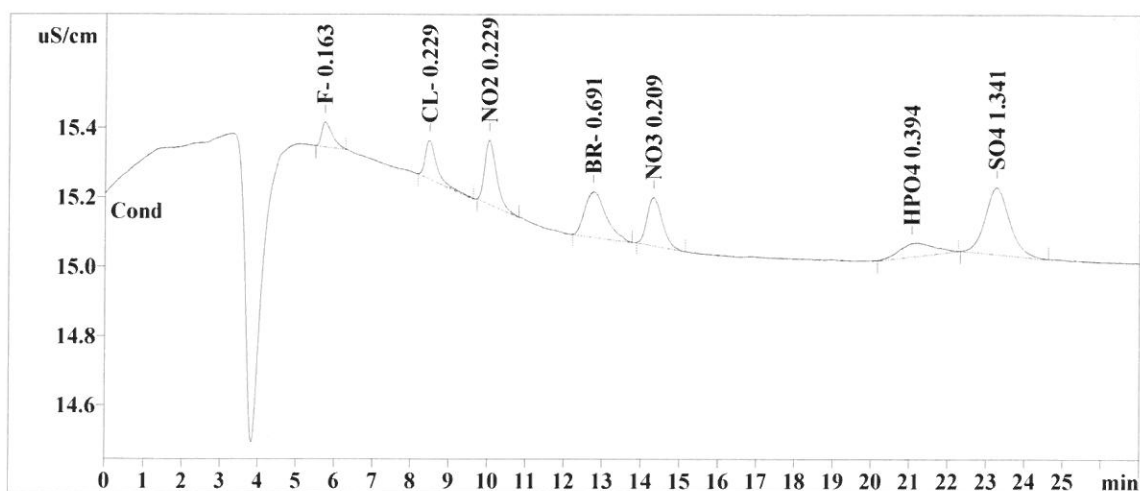
Ident: STD2
Analysis from: 10/9/2017 10:35:42 AM
File: _2017-10-09_

Last save: 10/9/2017 2:28:58 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59330

Last save: 10/9/2017 1:02:12 PM

SAMPLE:
: AP/AK
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	5.73	0.306	0.07	8.17	1.439	5.16	0.
2	8.47	0.300	0.11	12.67	2.380	8.53	0.
3	10.03	0.327	0.19	21.15	4.032	14.45	0.
4	12.77	0.592	0.13	14.97	5.103	18.29	0.
5	14.31	0.430	0.14	15.87	3.863	13.84	0.
6	21.05	0.995	0.04	4.45	2.484	8.90	0.
7	23.26	0.660	0.19	22.05	8.600	30.82	0.
7	27.00	0.516	0.87	99.32	27.902	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:43:46 AM
Printed by: wet

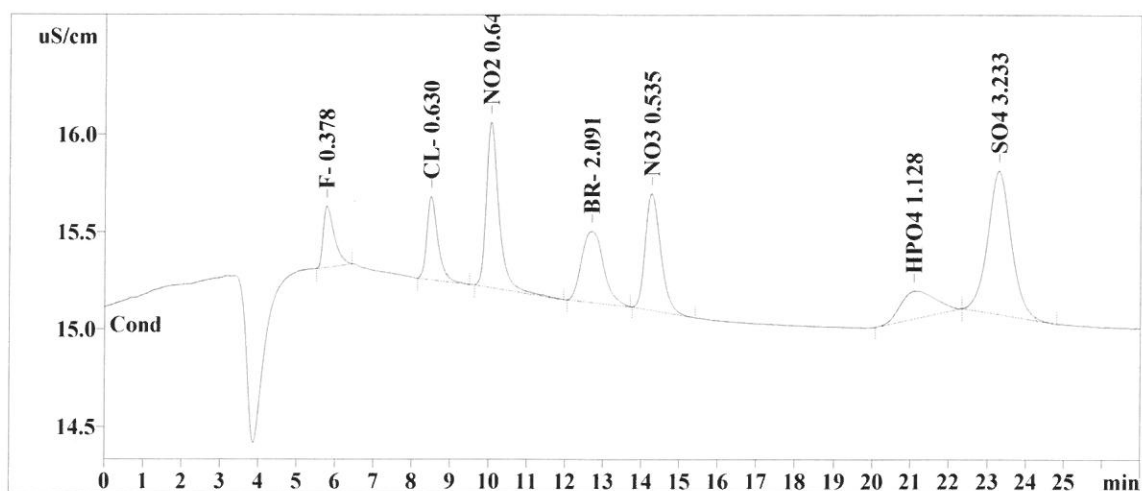
Ident: STD3
Analysis from: 10/9/2017 11:05:37 AM
File: _2017-10-09_

Last save: 10/9/2017 2:28:58 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59331

Last save: 10/9/2017 1:02:12 PM

SAMPLE:
: AP/AK
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	5.77	0.309	0.31	9.11	6.419	6.02	0.
2	8.49	0.298	0.43	12.44	8.718	8.17	0.
3	10.05	0.326	0.85	24.68	19.504	18.28	0.
4	12.70	0.618	0.36	10.64	14.652	13.73	0.
5	14.26	0.430	0.60	17.42	16.925	15.86	0.
6	21.07	1.029	0.14	4.17	8.995	8.43	0.
7	23.29	0.635	0.74	21.47	31.487	29.51	0.
7	27.00	0.521	3.43	99.93	106.701	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:43:55 AM
Printed by: wet

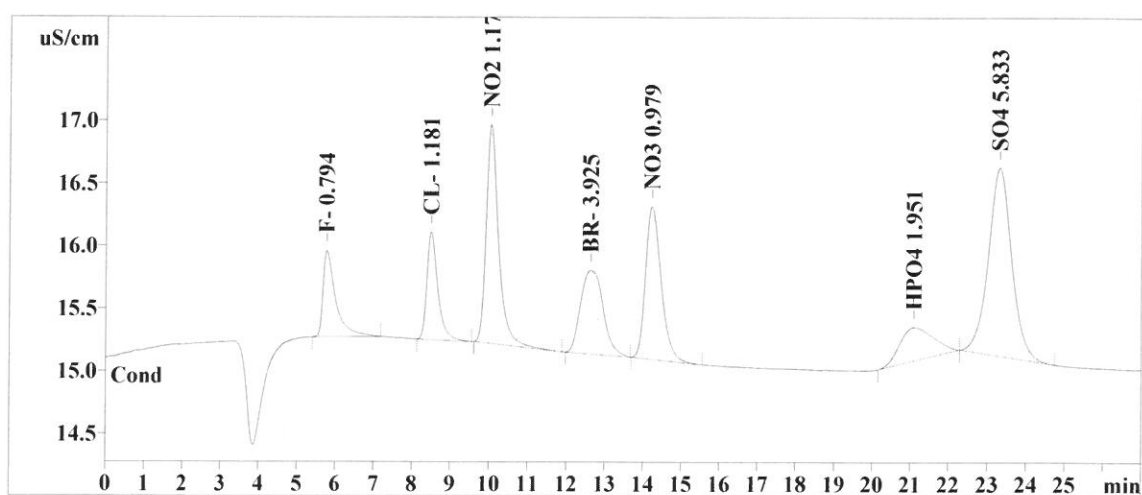
Ident: STD4
Analysis from: 10/9/2017 11:35:32 AM
File: _2017-10-09_

Last save: 10/9/2017 2:28:58 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59332

Last save: 10/9/2017 1:02:12 PM

SAMPLE:
: AP/AK
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	5.77	0.316	0.69	9.90	16.097	7.52	0.
2	8.49	0.296	0.86	12.37	17.436	8.15	0.
3	10.04	0.322	1.74	25.11	39.356	18.39	0.
4	12.63	0.643	0.67	9.59	27.159	12.69	0.
5	14.22	0.431	1.22	17.52	34.746	16.23	0.
6	21.07	0.995	0.27	3.85	16.282	7.61	0.
7	23.31	0.621	1.50	21.61	62.952	29.41	0.
7	27.00	0.518	6.94	99.95	214.028	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:44:01 AM
Printed by: wet

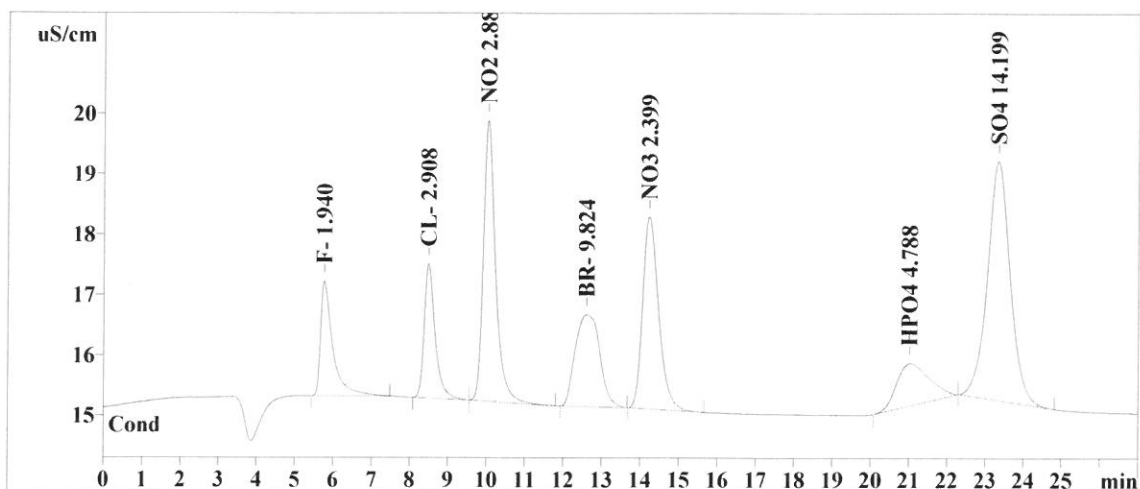
Ident: STD5
Analysis from: 10/9/2017 12:05:27 PM
File: _2017-10-09_

Last save: 10/9/2017 2:28:58 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59333

Last save: 10/9/2017 1:02:12 PM

SAMPLE:
: AP/AK
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	5.76	0.303	1.89	10.44	42.702	7.69	0.
2	8.48	0.293	2.22	12.24	44.760	8.06	0.
3	10.03	0.320	4.64	25.61	103.155	18.57	0.
4	12.60	0.720	1.52	8.41	67.388	12.13	0.
5	14.23	0.435	3.18	17.56	91.753	16.52	0.
6	21.01	0.942	0.70	3.88	41.433	7.46	0.
7	23.34	0.612	3.96	21.84	164.188	29.56	0.
7	27.00	0.518	18.12	99.99	555.379	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:46:22 AM
Printed by: wet

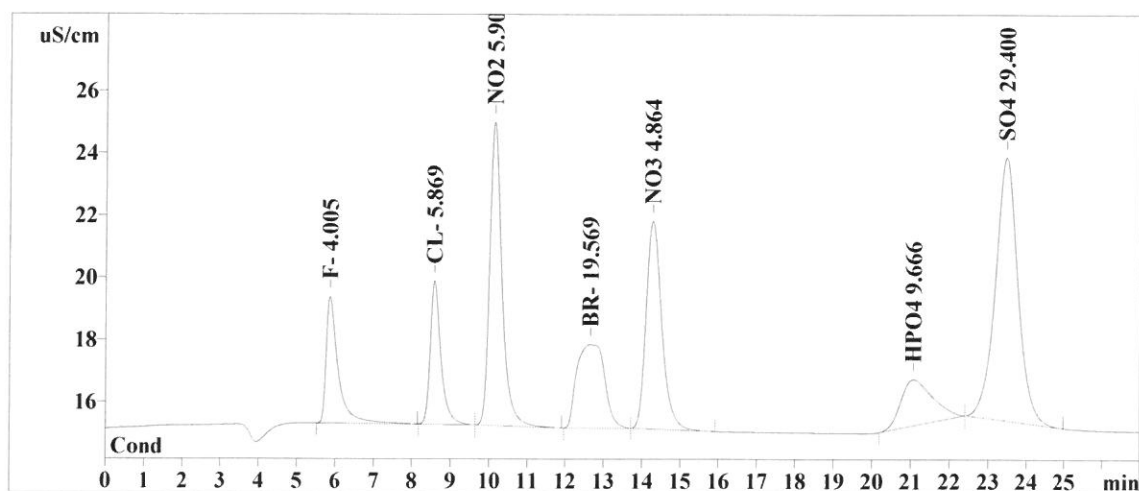
Ident: STD6
Analysis from: 10/9/2017 12:35:22 PM
File: _2017-10-09_

Last save: 10/9/2017 2:29:00 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59334

Last save: 10/9/2017 1:02:12 PM

SAMPLE:
: AP/AK
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	5.85	0.300	4.06	10.77	90.643	7.84	0.
2	8.57	0.289	4.60	12.19	91.604	7.93	0.
3	10.13	0.319	9.76	25.87	215.956	18.69	0.
4	12.65	0.824	2.68	7.12	133.842	11.58	0.
5	14.27	0.431	6.67	17.68	190.666	16.50	0.
6	21.05	0.895	1.49	3.94	84.666	7.33	0.
7	23.46	0.606	8.46	22.43	348.130	30.13	0.
7	27.00	0.523	37.71	100.00	1155.506	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:46:30 AM
Printed by: wet

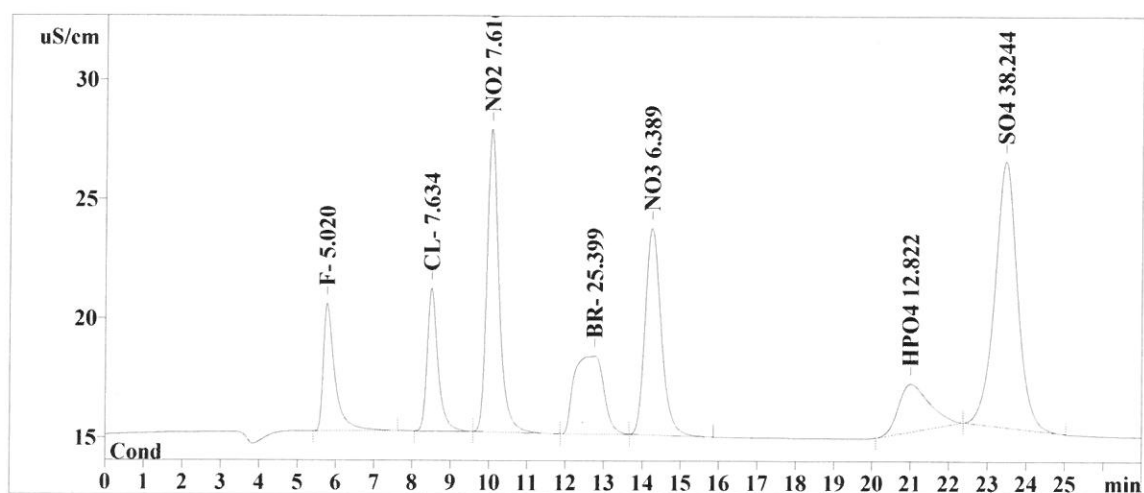
Ident: STD7
Analysis from: 10/9/2017 1:05:18 PM
File: _2017-10-09_

Last save: 10/10/2017 9:01:54 AM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59335

Last save: 10/9/2017 1:02:12 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	5.76	0.294	5.33	10.87	114.217	7.58	0.
2	8.49	0.289	5.97	12.18	119.520	7.93	0.
3	10.05	0.319	12.67	25.83	279.865	18.57	0.
4	12.75	0.880	3.27	6.67	173.595	11.52	0.
5	14.24	0.439	8.65	17.64	251.886	16.72	0.
6	20.99	0.870	2.01	4.10	112.635	7.47	0.
7	23.45	0.598	11.15	22.72	455.143	30.20	0.
7	27.00	0.527	49.06	100.00	1506.861	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:46:55 AM
Printed by: wet

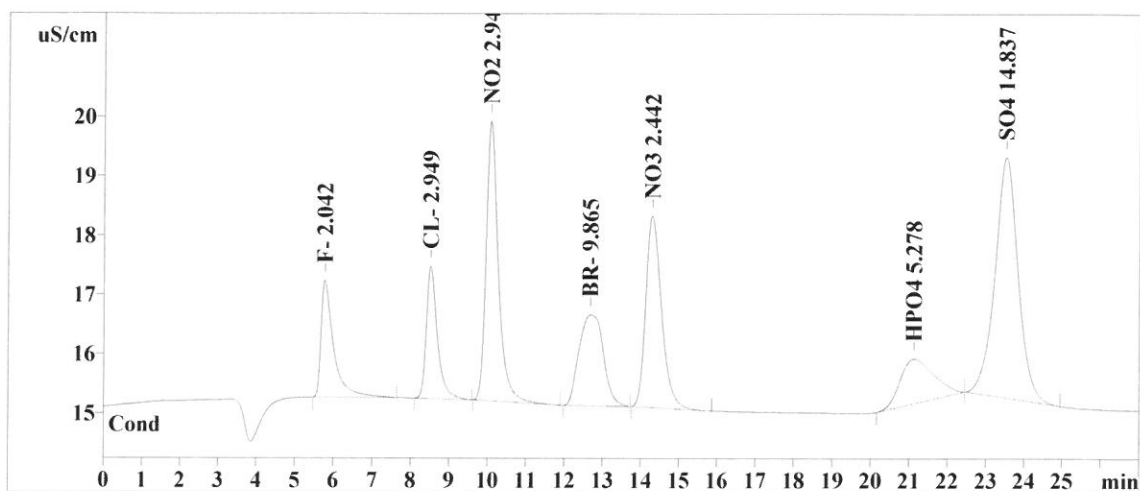
Ident: ICV
Analysis from: 10/9/2017 2:52:39 PM
File: _2017-10-09_

Last save: 10/10/2017 9:01:54 AM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59338

Last save: 10/9/2017 1:02:12 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.77	0.308	1.96	10.63	45.062	7.84	0.
2	8.51	0.294	2.23	12.06	45.410	7.90	0.
3	10.08	0.320	4.71	25.49	105.459	18.35	0.
4	12.68	0.715	1.53	8.30	67.662	11.77	0.
5	14.29	0.436	3.23	17.47	93.484	16.26	0.
6	21.10	0.966	0.75	4.09	45.772	7.96	0.
7	23.52	0.624	4.06	21.94	171.909	29.91	0.
7	27.00	0.523	18.48	99.98	574.759	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/11/2017 9:47:56 AM
Printed by: wet

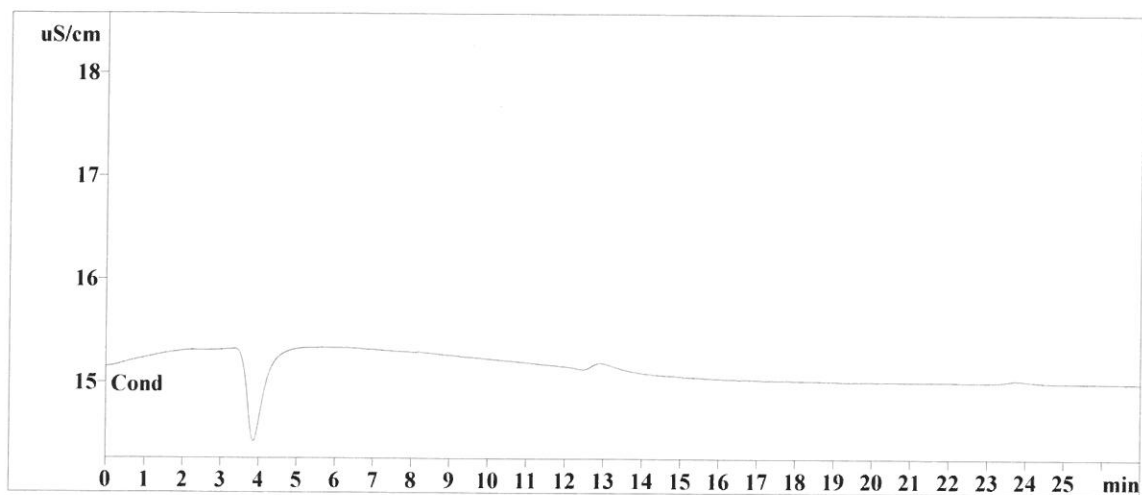
Ident: ICB
Analysis from: 10/9/2017 3:22:34 PM
File: _2017-10-09_

Last save: 10/11/2017 9:47:46 AM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59339

Last save: 10/9/2017 1:02:12 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:09:53 PM
Printed by: wet

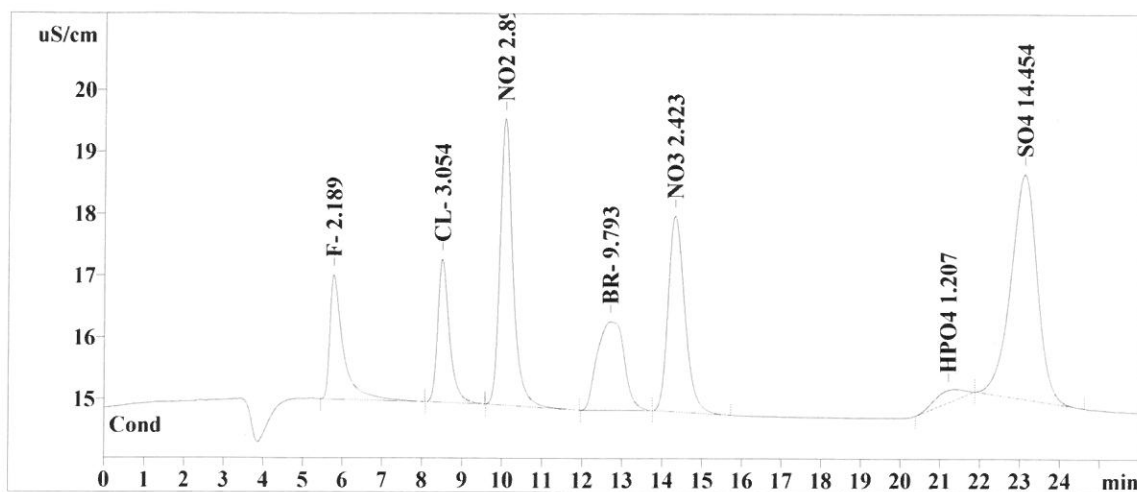
Ident: CCV
Analysis from: 10/27/2017 9:17:24 AM
File: _2017-10-27_

Last save: 10/27/2017 9:43:14 AM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59711

Last save: 10/9/2017 5:10:38 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	5.77	0.315	2.01	11.55	48.473	9.04	0.
2	8.50	0.294	2.32	13.31	47.075	8.78	0.
3	10.06	0.320	4.64	26.64	103.587	19.33	0.
4	12.70	0.771	1.43	8.22	67.172	12.53	0.
5	14.31	0.443	3.17	18.18	92.712	17.30	0.
6	21.16	0.803	0.20	1.17	9.695	1.81	0.
7	23.10	0.688	3.64	20.92	167.266	31.21	0.
7	26.00	0.519	17.41	99.98	535.981	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:10:00 PM
Printed by: wet

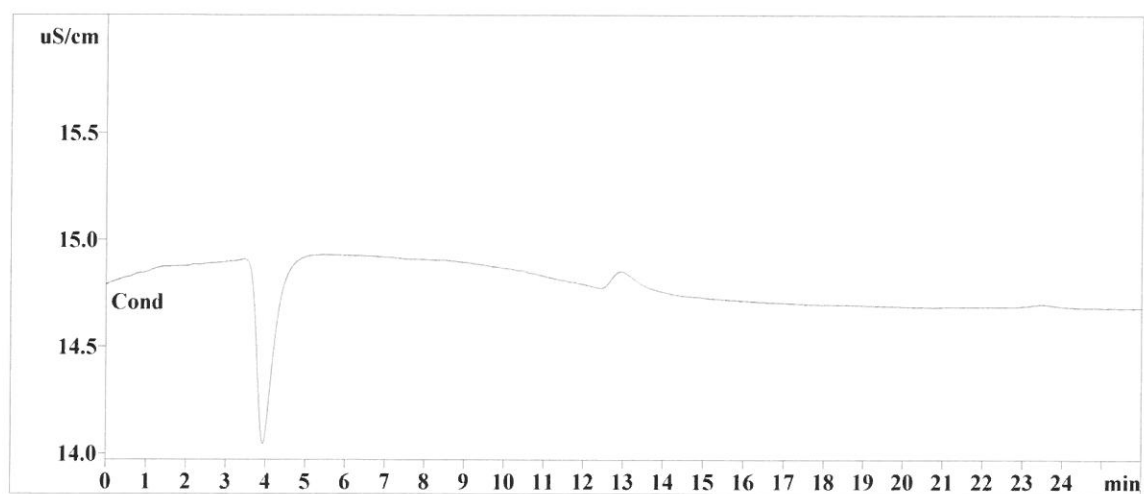
Ident: CCB
Analysis from: 10/27/2017 10:07:20 AM
File: _2017-10-27_

Last save: 10/27/2017 3:21:10 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59712

Last save: 10/9/2017 5:10:38 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: 10/28/2017 12:10:06 PM
Printed by: wet

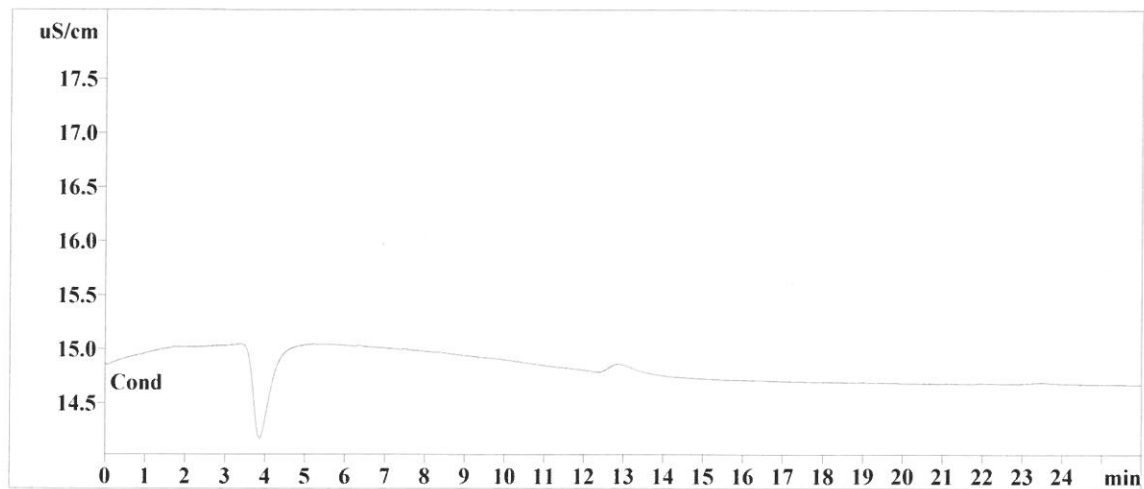
Ident: LB91162BLS
Analysis from: 10/27/2017 10:36:15 AM
File: _2017-10-27_

Last save: 10/27/2017 3:39:30 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59713

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.00g
: 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: 10/28/2017 12:11:34 PM
 Printed by: wet

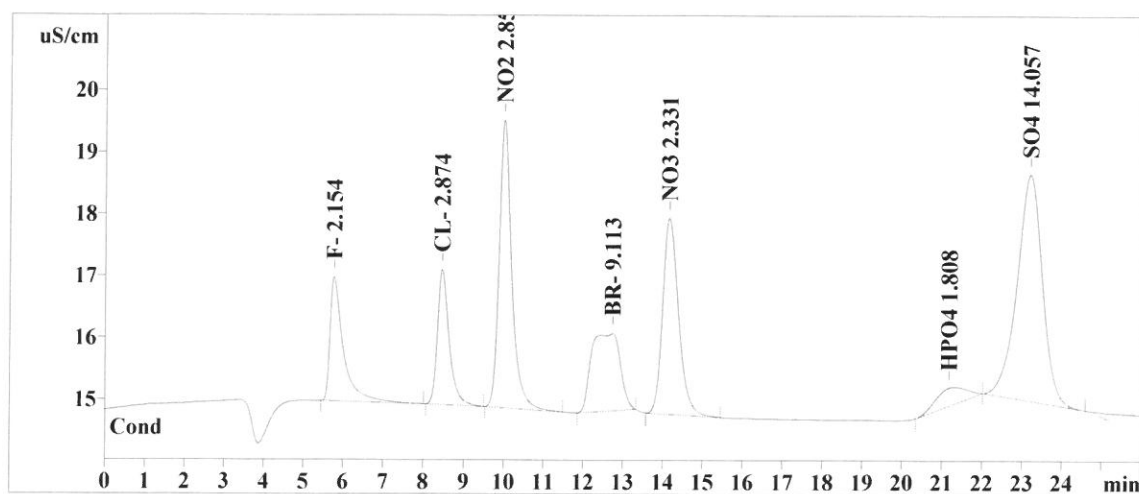
Ident: LB91162BSS
 Analysis from: 10/27/2017 11:05:11 AM
 File: _2017-10-27_

Last save: 10/27/2017 3:39:30 PM

Method: ANIONS 10-09-17.mtw
 Run operator: wet
 Analysis number: 59714

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.01g
 : 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	5.76	0.315	2.00	11.65	47.661	9.11	0.
2	8.45	0.293	2.18	12.68	44.221	8.45	0.
3	10.00	0.314	4.65	27.03	102.113	19.52	0.
4	12.73	0.824	1.25	7.26	62.534	11.96	0.
5	14.15	0.425	3.17	18.41	89.035	17.02	0.
6	21.16	0.861	0.29	1.69	15.020	2.87	0.
7	23.19	0.663	3.66	21.27	162.468	31.06	0.
7	26.00	0.528	17.20	99.98	523.053	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/28/2017 12:12:45 PM
Printed by: wet

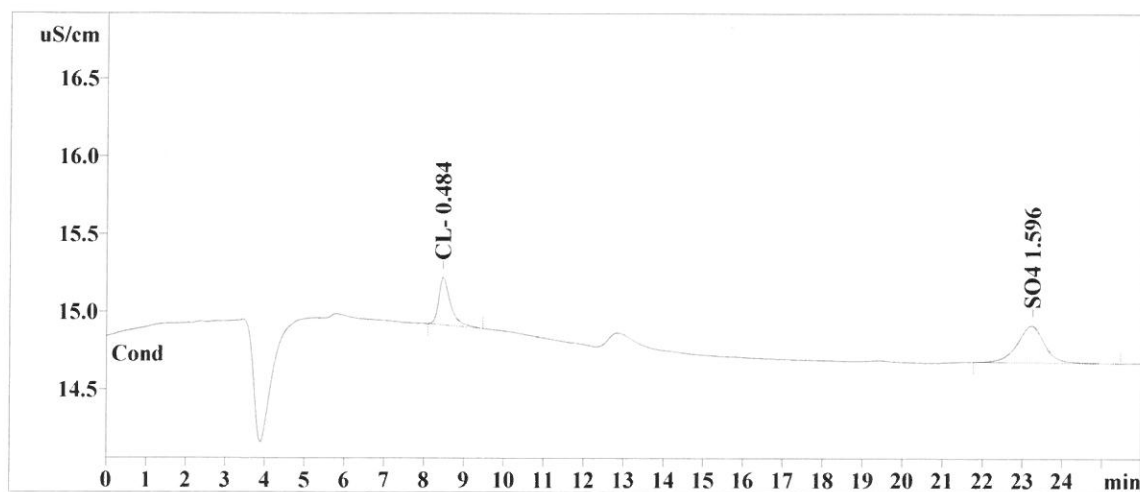
Ident: I6157-01
Analysis from: 10/27/2017 11:34:06 AM
File: _2017-10-27_

Last save: 10/28/2017 12:12:40 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59715

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.02g
: 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	8.47	0.298	0.30	56.08	6.420	35.46	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	23.23	0.704	0.24	43.70	11.685	64.54	0.
7	26.00	0.143	0.54	99.78	18.106	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:14:23 PM
Printed by: wet

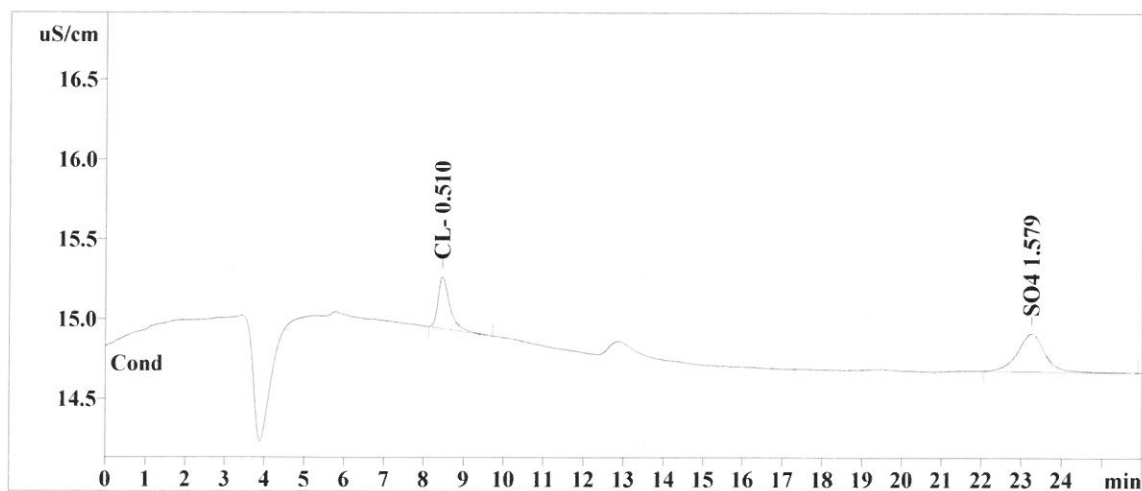
Ident: I6157-01DUP
Analysis from: 10/27/2017 12:03:02 PM
File: _2017-10-27_

Last save: 10/28/2017 12:14:18 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59716

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.01g
: 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	8.47	0.298	0.32	57.63	6.828	37.32	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.25	0.683	0.24	42.22	11.471	62.68	0.
7	26.00	0.140	0.56	99.85	18.299	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:14:32 PM
Printed by: wet

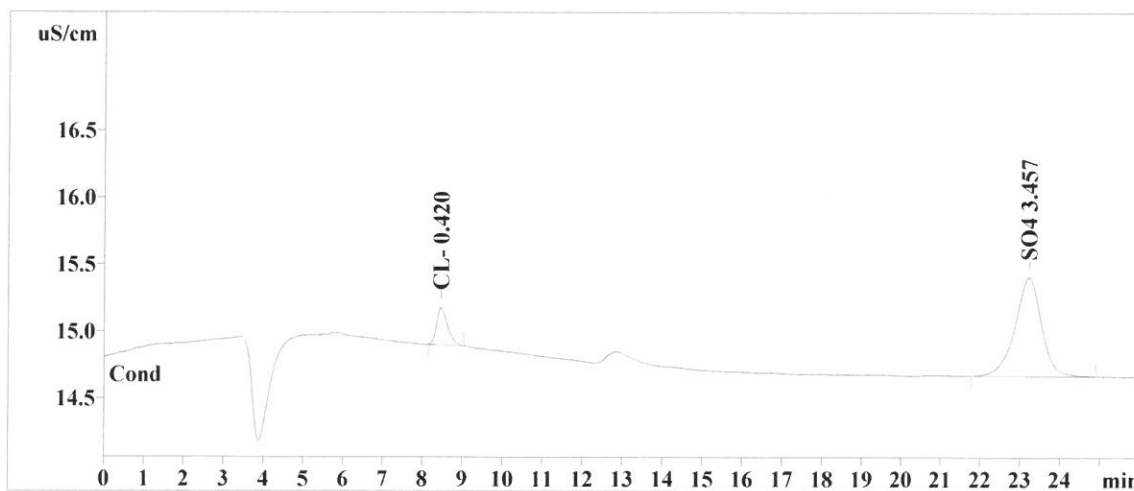
Ident: I6157-02
Analysis from: 10/27/2017 12:31:57 PM
File: _2017-10-27_

Last save: 10/28/2017 12:13:56 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59717

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.10g
: AK/AP
Vial number: 8
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.47	0.291	0.28	27.45	5.410	13.66	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	23.22	0.673	0.74	72.42	34.198	86.34	0.
7	26.00	0.138	1.02	99.87	39.608	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:14:40 PM
Printed by: wet

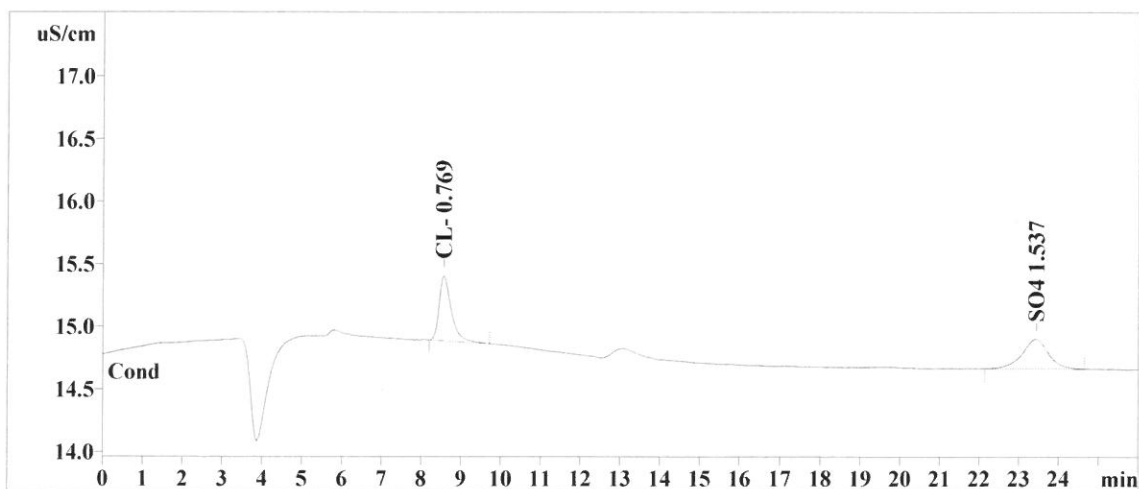
Ident: I6157-03
Analysis from: 10/27/2017 1:00:53 PM
File: _2017-10-27_

Last save: 10/28/2017 12:13:56 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59718

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.05g
: AK/AP
Vial number: 9
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.57	0.303	0.52	68.44	10.920	49.88	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	23.43	0.676	0.24	31.32	10.971	50.12	0.
7	26.00	0.140	0.75	99.76	21.891	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:15:03 PM
Printed by: wet

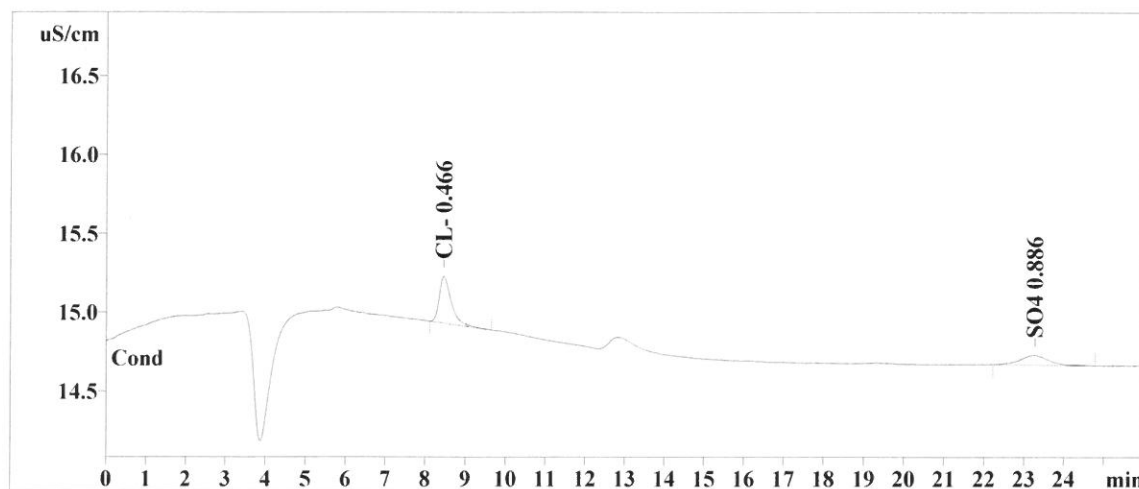
Ident: I6157-04
Analysis from: 10/27/2017 1:29:49 PM
File: _2017-10-27_

Last save: 10/28/2017 12:15:04 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59719

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.08g
: 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	8.46	0.296	0.30	82.35	6.134	66.53	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	23.26	0.724	0.06	17.30	3.086	33.47	0.
7	26.00	0.146	0.36	99.65	9.220	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:15:14 PM
 Printed by: wet

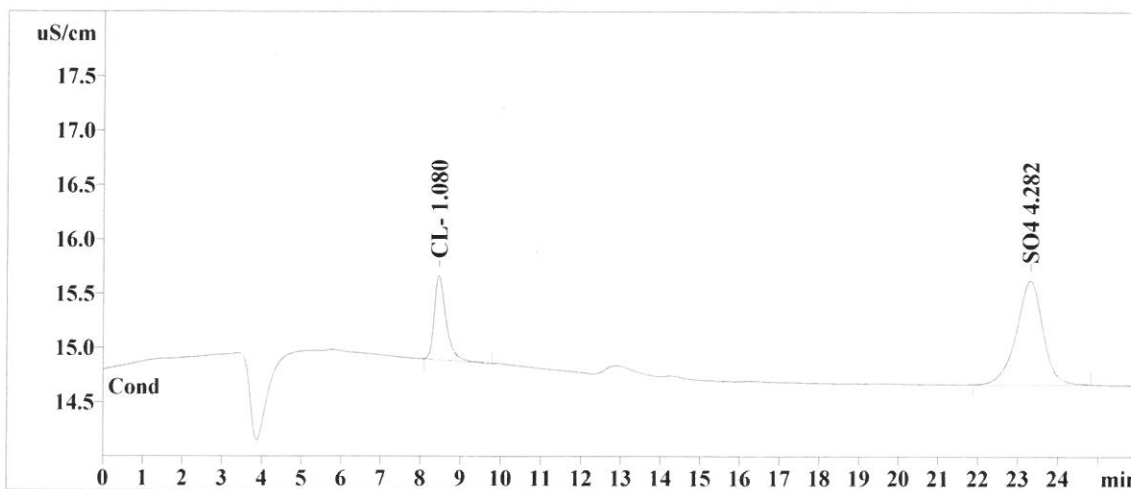
Ident: I6157-05
 Analysis from: 10/27/2017 1:58:44 PM
 File: _2017-10-27_

Last save: 10/28/2017 12:13:56 PM

Method: ANIONS 10-09-17.mtw
 Run operator: wet
 Analysis number: 59720

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 4.99g
 : 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	8.45	0.294	0.77	44.69	15.850	26.40	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	23.30	0.677	0.96	55.21	44.184	73.60	0.
7	26.00	0.139	1.73	99.91	60.034	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/28/2017 12:16:57 PM
Printed by: wet

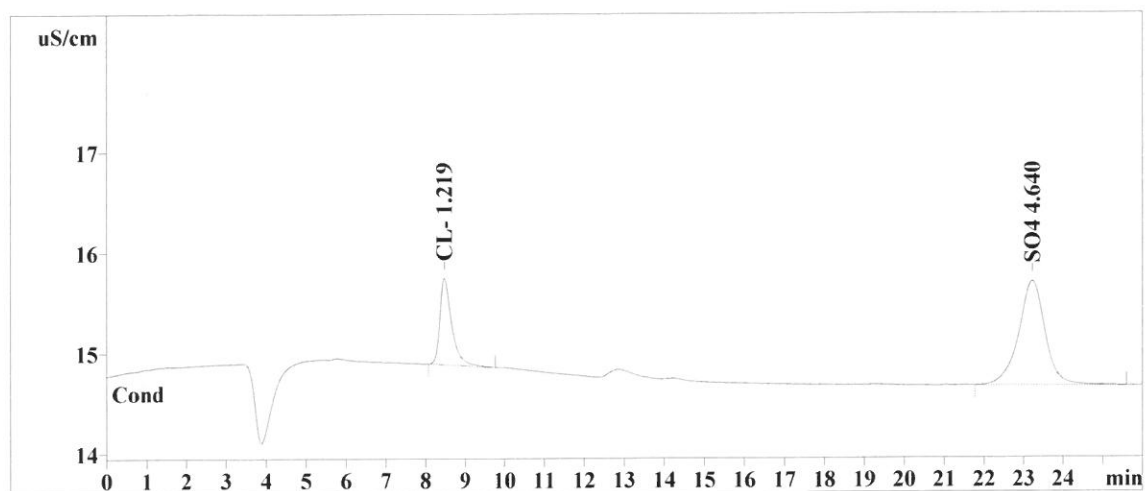
Ident: I6157-06
Analysis from: 10/27/2017 2:27:40 PM
File: _2017-10-27_

Last save: 10/28/2017 12:16:56 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59721

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.13g
: 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	8.48	0.298	0.86	45.27	18.039	27.11	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	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	23.23	0.673	1.04	54.66	48.512	72.89	0.
7	26.00	0.139	1.90	99.93	66.551	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:17:18 PM
Printed by: wet

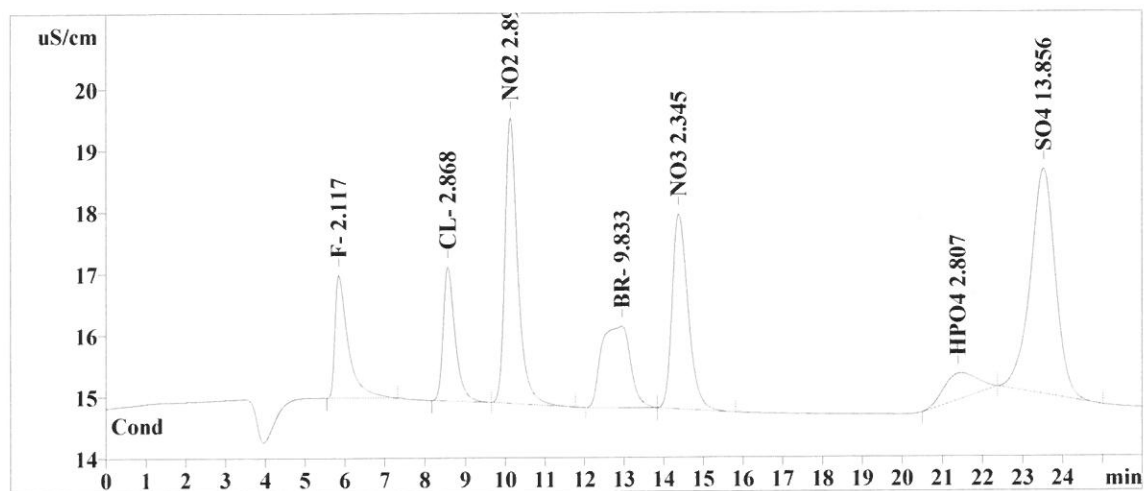
Ident: CCV
Analysis from: 10/27/2017 3:31:48 PM
File: _2017-10-27_

Last save: 10/27/2017 6:29:54 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59723

Last save: 10/9/2017 5:10:38 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	5.85	0.319	1.99	11.46	46.815	8.74	0.
2	8.57	0.293	2.18	12.53	44.127	8.24	0.
3	10.12	0.319	4.64	26.67	103.557	19.34	0.
4	12.94	0.839	1.32	7.61	67.444	12.60	0.
5	14.38	0.428	3.17	18.20	89.557	16.73	0.
6	21.36	0.925	0.43	2.45	23.869	4.46	0.
7	23.52	0.650	3.66	21.06	160.035	29.89	0.
7	26.00	0.539	17.39	99.99	535.405	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:17:26 PM
Printed by: wet

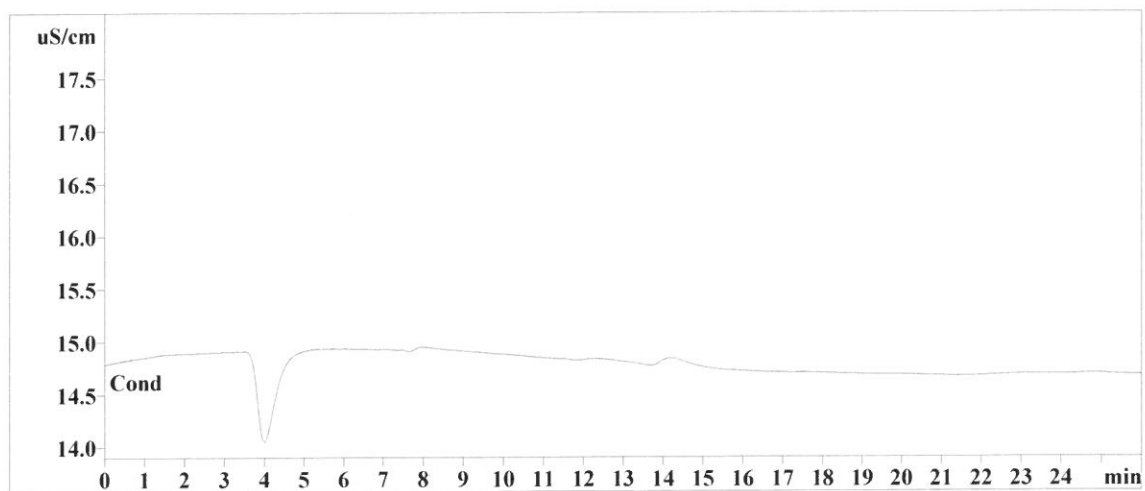
Ident: CCB
Analysis from: 10/27/2017 4:07:32 PM
File: _2017-10-27_

Last save: 10/27/2017 5:04:56 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59724

Last save: 10/9/2017 5:10:38 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: 10/28/2017 12:17:35 PM
Printed by: wet

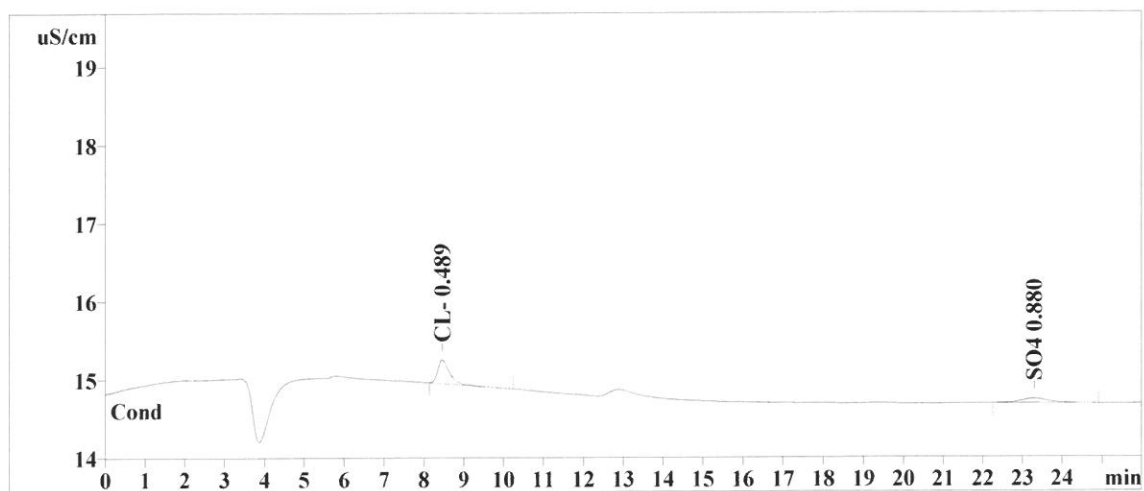
Ident: I6157-04DUP
Analysis from: 10/27/2017 4:36:28 PM
File: _2017-10-27_

Last save: 10/28/2017 12:13:56 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59725

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.08g
: 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	8.47	0.296	0.31	83.54	6.487	68.26	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	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	23.29	0.729	0.06	16.03	3.016	31.74	0.
7	26.00	0.146	0.36	99.58	9.504	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:18:06 PM
Printed by: wet

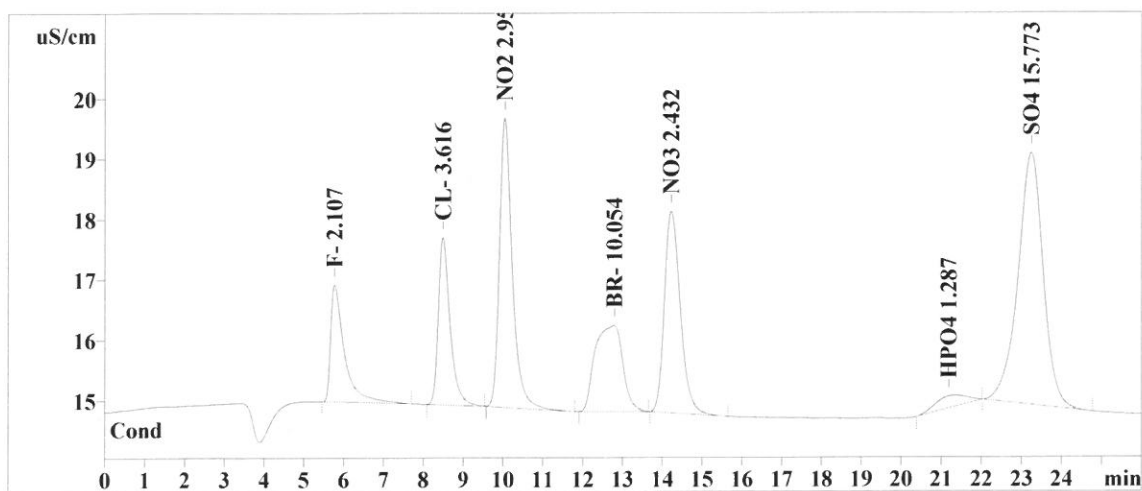
Ident: I6157-01MS
Analysis from: 10/27/2017 5:05:24 PM
File: _2017-10-27_

Last save: 10/27/2017 5:31:14 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59726

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.00g
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	5.78	0.319	1.94	10.40	46.565	8.25	0.
2	8.49	0.291	2.77	14.87	55.961	9.92	0.
3	10.04	0.317	4.79	25.69	105.972	18.78	0.
4	12.78	0.800	1.43	7.67	68.951	12.22	0.
5	14.22	0.421	3.34	17.91	93.071	16.50	0.
6	21.19	0.869	0.20	1.07	10.401	1.84	0.
7	23.24	0.650	4.17	22.37	183.227	32.48	0.
7	26.00	0.524	18.64	99.98	564.149	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:18:14 PM
Printed by: wet

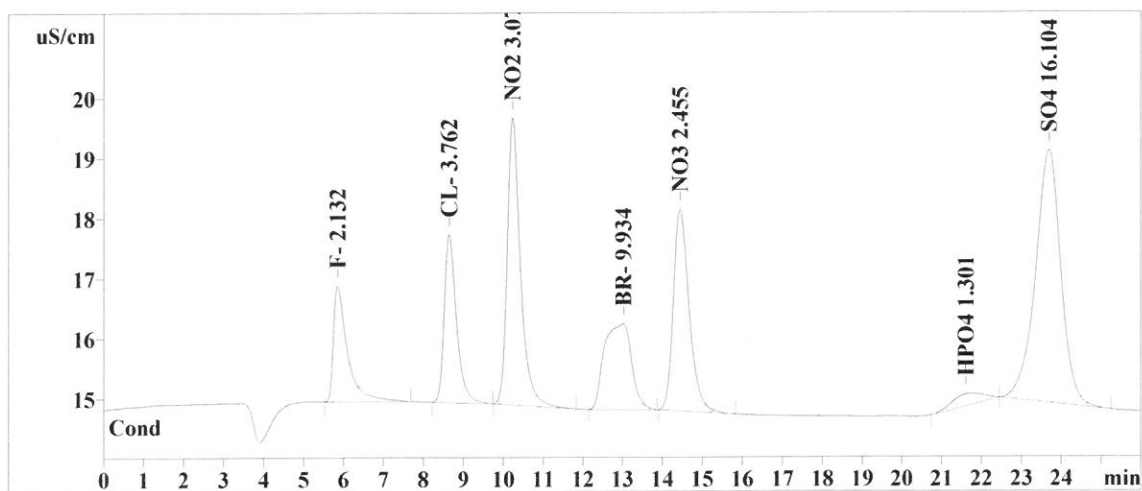
Ident: I6157-01MSD
Analysis from: 10/27/2017 5:34:19 PM
File: _2017-10-27_

Last save: 10/27/2017 6:00:10 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59727

Last save: 10/9/2017 5:10:38 PM

SAMPLE: 5.01g
: 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	5.85	0.327	1.92	10.29	47.166	8.19	0.
2	8.64	0.302	2.79	14.96	58.269	10.12	0.
3	10.23	0.332	4.78	25.57	110.323	19.17	0.
4	13.01	0.792	1.43	7.64	68.132	11.84	0.
5	14.44	0.422	3.35	17.95	93.988	16.33	0.
6	21.60	0.882	0.20	1.07	10.526	1.83	0.
7	23.69	0.659	4.21	22.51	187.241	32.53	0.
7	26.00	0.531	18.68	99.98	575.645	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:19:10 PM
Printed by: wet

Ident: CCV
Analysis from: 10/27/2017 6:03:15 PM
File: _2017-10-27_

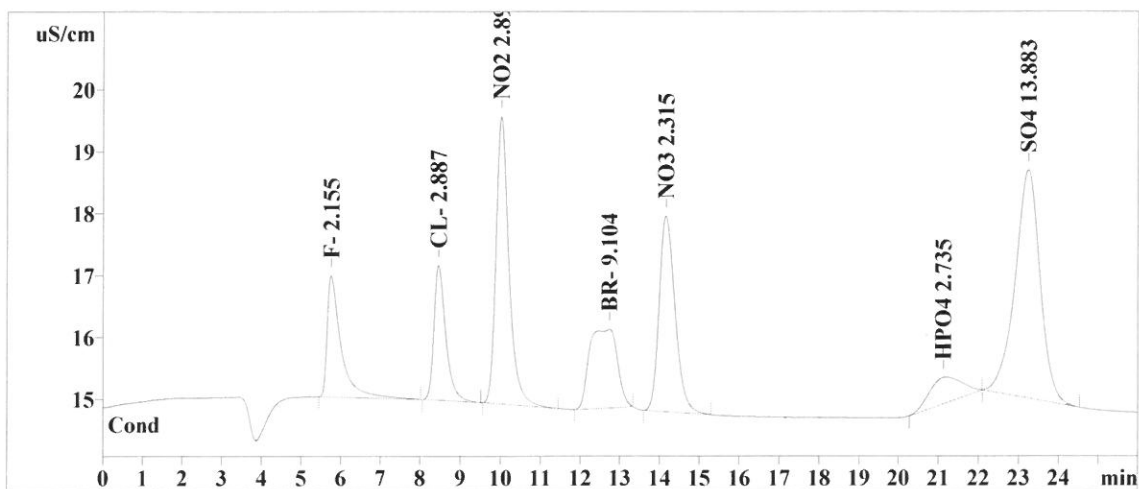
Last save: 10/28/2017 12:18:46 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59728

Last save: 10/9/2017 5:10:38 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	5.76	0.319	1.96	11.31	47.686	8.99	0.
2	8.46	0.297	2.18	12.56	44.428	8.38	0.
3	10.01	0.322	4.64	26.80	103.672	19.55	0.
4	12.74	0.810	1.27	7.34	62.472	11.78	0.
5	14.15	0.424	3.16	18.25	88.389	16.67	0.
6	21.11	0.903	0.42	2.45	23.233	4.38	0.
7	23.24	0.647	3.69	21.28	160.357	30.24	0.
7	26.00	0.532	17.32	99.99	530.237	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/28/2017 12:19:44 PM
Printed by: wet

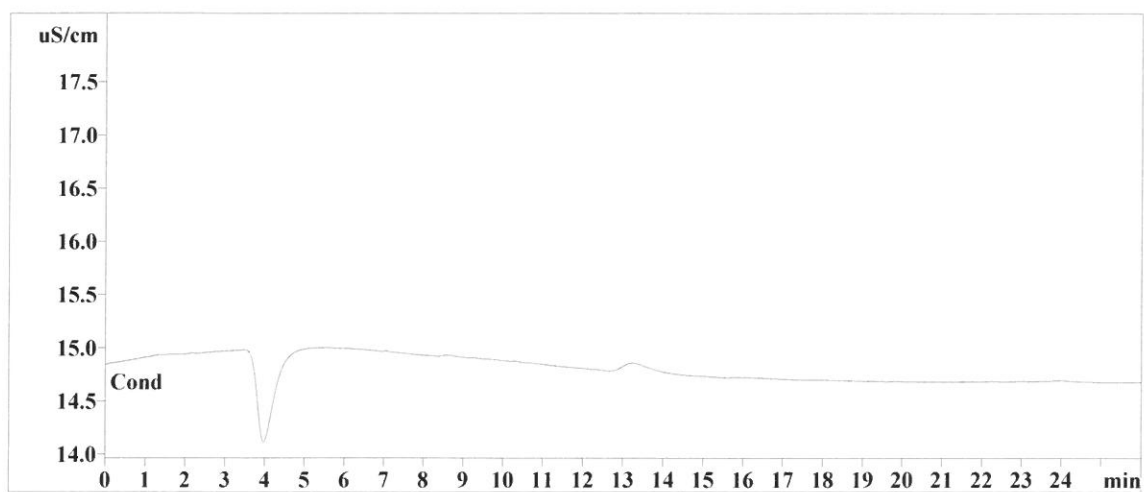
Ident: CCB
Analysis from: 10/27/2017 6:33:42 PM
File: _2017-10-27_

Last save: 10/28/2017 12:19:36 PM

Method: ANIONS 10-09-17.mtw
Run operator: wet
Analysis number: 59729

Last save: 10/9/2017 5:10:38 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