

IC-1  
3000  
8/2/17

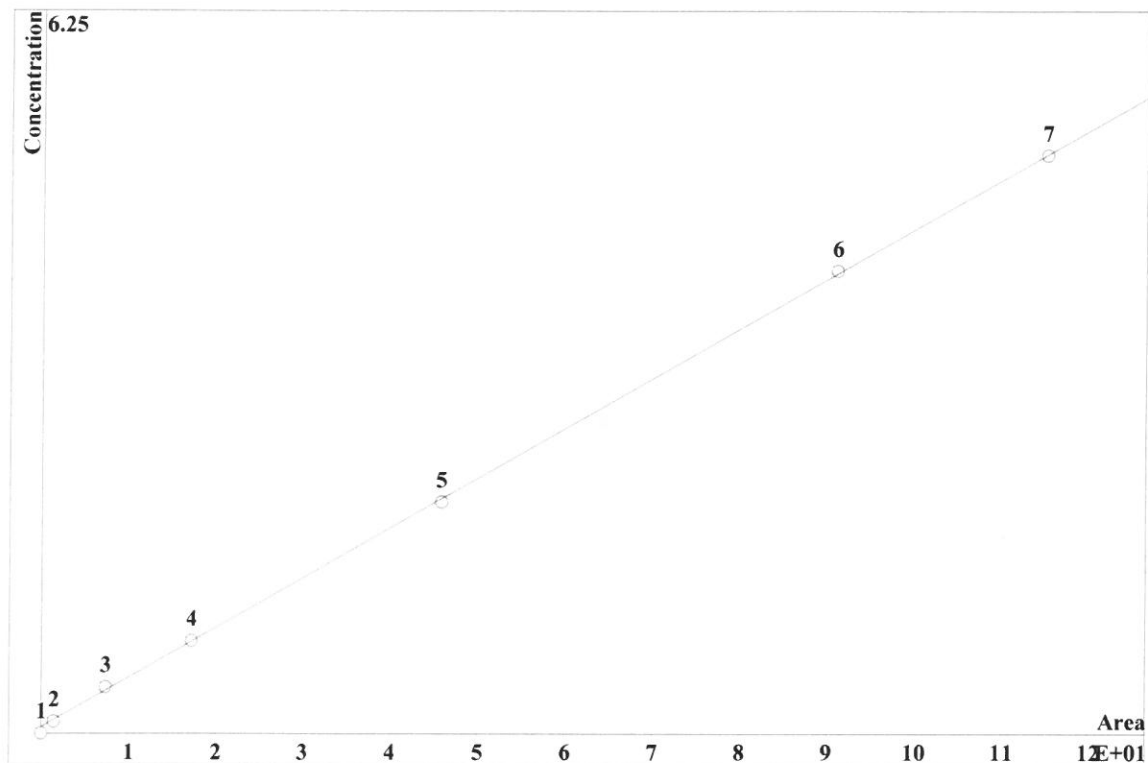
Clear table

| ident          | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name  | date time     |
|----------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|------------|---------------|
| STD1           | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-07-11 | 7/11/17 10:41 |
| STD2           | 0.1180               | 0.2030                | 0.2310                | 0.5890                | 0.1680                | 0.0270                 | 1.1600                | 2017-07-11 | 7/11/17 11:10 |
| STD3           | 0.3720               | 0.6110                | 0.6240                | 2.0280                | 0.5170                | 0.9480                 | 3.1350                | 2017-07-11 | 7/11/17 11:39 |
| STD4           | 0.7960               | 1.1730                | 1.1580                | 3.9610                | 0.9930                | 2.2080                 | 5.8440                | 2017-07-11 | 7/11/17 12:08 |
| STD5           | 2.0290               | 2.9370                | 2.8980                | 9.8240                | 2.4170                | 5.1920                 | 14.3810               | 2017-07-11 | 7/11/17 12:37 |
| STD6           | 3.9780               | 5.9980                | 5.9920                | 20.1380               | 4.9970                | 9.9380                 | 29.9690               | 2017-07-11 | 7/11/17 13:06 |
| STD7           | 5.0080               | 7.5280                | 7.5480                | 24.9600               | 6.2820                | 12.4370                | 37.7610               | 2017-07-11 | 7/11/17 13:35 |
| ICV            | 2.0900               | 2.9830                | 3.0120                | 10.2660               | 2.5270                | 5.3330                 | 14.7140               | 2017-07-11 | 7/11/17 15:03 |
| ICB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-07-11 | 7/11/17 15:32 |
| CCV            | 2.1970               | 2.9330                | 2.8300                | 9.7990                | 2.4070                | 4.1440                 | 13.7990               | 2017-08-01 | 8/1/17 11:15  |
| CCB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-01 | 8/1/17 11:44  |
| LB89162BL      | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-01 | 8/1/17 12:12  |
| LB89162BS      | 2.2660               | 2.9760                | 2.8930                | 9.8380                | 2.4870                | 4.4490                 | 14.0320               | 2017-08-01 | 8/1/17 12:41  |
| I4535-01       | 0.0000               | 371.3470              | 0.0000                | 1.0470                | 14.2010               | 0.0000                 | 87.5250               | 2017-08-01 | 8/1/17 13:10  |
| I4535-02       | 0.0000               | 1181.4110             | 0.0000                | 3.3630                | 10.0450               | 0.0000                 | 173.6320              | 2017-08-01 | 8/1/17 13:39  |
| I4535-02DUP    | 0.0000               | 1184.3480             | 0.0000                | 3.3920                | 10.0630               | 0.0000                 | 162.1580              | 2017-08-01 | 8/1/17 14:08  |
| I4535-01DLX10C | 0.0000               | 2.4880                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-01 | 8/1/17 14:37  |
| I4535-02DLX20C | 0.0000               | 4.0420                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-01 | 8/1/17 15:06  |
| I4535-02MS     | 2.2320               | 1033.8160             | 2.5470                | 13.1790               | 16.0610               | 4.0920                 | 160.5780              | 2017-08-01 | 8/1/17 15:35  |
| CCV            | 2.1090               | 2.9860                | 2.8890                | 9.8300                | 2.4500                | 3.5980                 | 14.0520               | 2017-08-01 | 8/1/17 16:04  |
| CCB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-01 | 8/1/17 16:33  |

IC-1  
7-11-17

# CALIBRATION OF COMPONENT F-

Method: ANIONS 07-11-17.mtw  
Equation:  $Q = 0.861053 \cdot A + 1.10647$   
RSD: 1.232 %  
Correlation coefficient: 0.999938

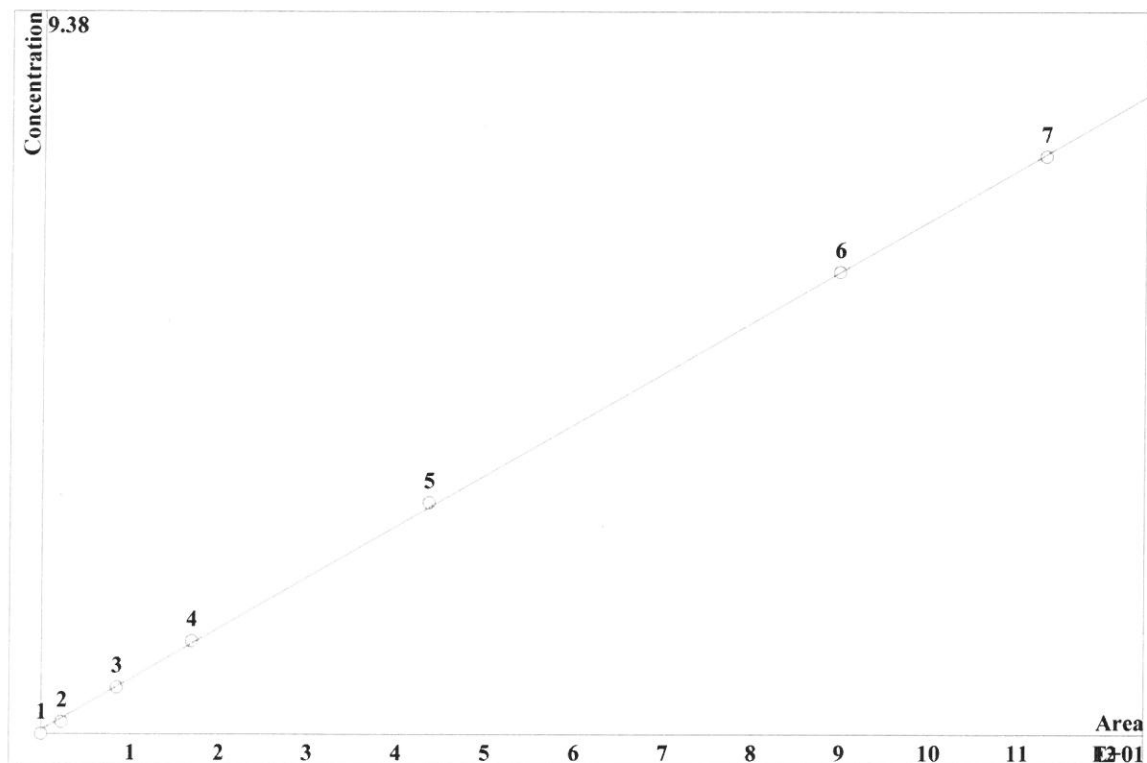


K3 = 0      K2 = 0      K1 = 0.861053      K0 = 1.10647  
Base: Area  
Ref.channel: Cond  
ISTD:  
Formula: Linear  
Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|---------|-------|-------|---------|-----------|------|------|
| 1     | 0       | 0     | 0     | 0       | 0         | No   |      |
| 2     | 0.06832 | 1.446 | 0.1   | 20      | 5.72      | Yes  |      |
| 3     | 0.3217  | 7.345 | 0.4   | 20      | 5.72      | Yes  |      |
| 4     | 0.7336  | 17.2  | 0.8   | 20      | 5.72      | Yes  |      |
| 5     | 1.996   | 45.84 | 2     | 20      | 5.72      | Yes  |      |
| 6     | 4.193   | 91.1  | 4     | 20      | 5.72      | Yes  |      |
| 7     | 5.265   | 115   | 5     | 20      | 5.72      | Yes  |      |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 07-11-17.mtw  
 Equation:  $Q = 1.32378 \cdot A + 1.02533$   
 RSD: 1.499 %  
 Correlation coefficient: 0.999908

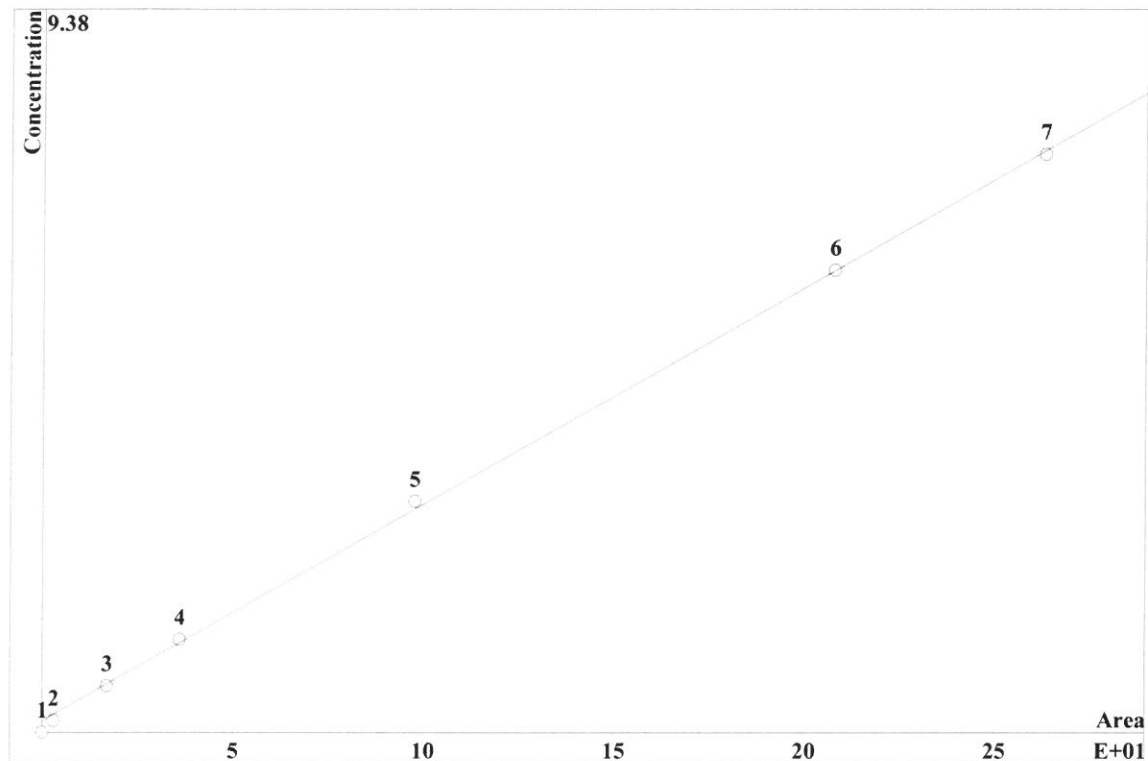


K3 = 0      K2 = 0      K1 = 1.32378      K0 = 1.02533  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         | No   |      |
| 2     | 0.1087 | 2.297 | 0.15  | 20      | 8.411     | Yes  |      |
| 3     | 0.4389 | 8.457 | 0.6   | 20      | 8.411     | Yes  |      |
| 4     | 0.8963 | 16.94 | 1.2   | 20      | 8.411     | Yes  |      |
| 5     | 2.313  | 43.6  | 3     | 20      | 8.411     | Yes  |      |
| 6     | 4.834  | 89.84 | 6     | 20      | 8.411     | Yes  |      |
| 7     | 6.056  | 113   | 7.5   | 20      | 8.411     | Yes  |      |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 07-11-17.mtw  
 Equation:  $Q = 0.562432 \cdot A + 2.94942$   
 RSD: 2.396 %  
 Correlation coefficient: 0.999766

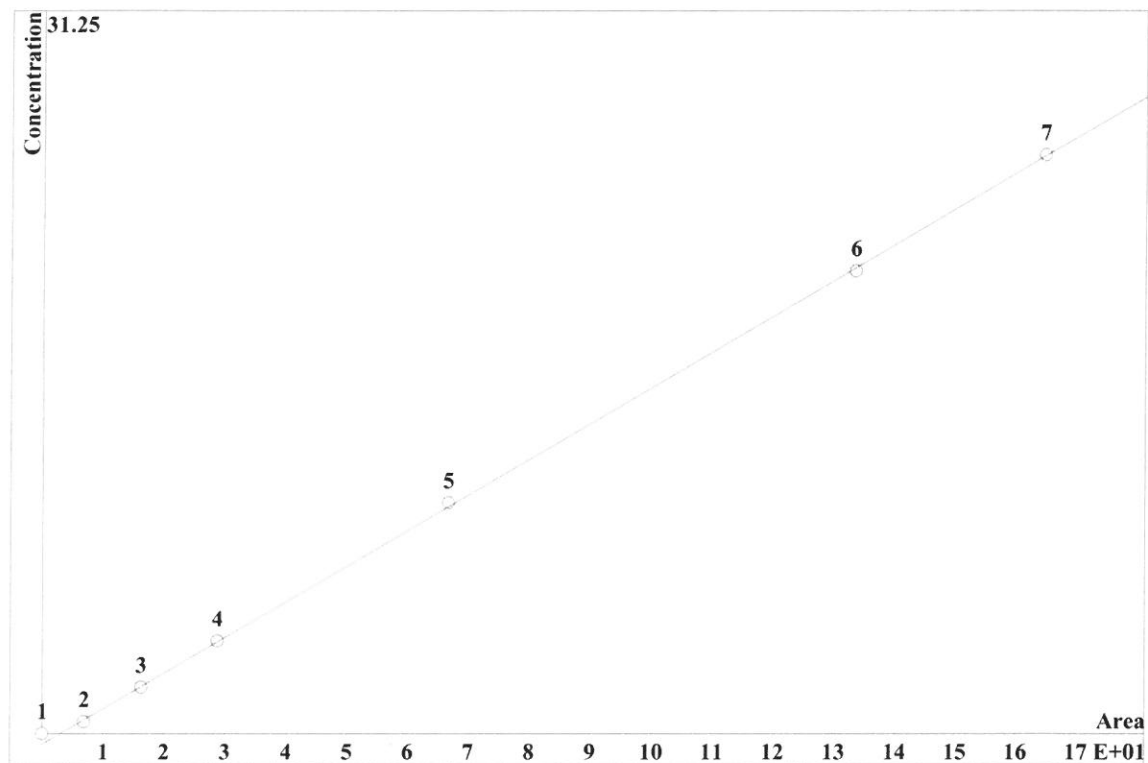


K3 = 0      K2 = 0      K1 = 0.562432      K0 = 2.94942  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.1363 | 2.964 | 0.15  | 20      | 9.95      | Yes  |      |
| 3     | 0.7893 | 16.95 | 0.6   | 20      | 9.95      | Yes  |      |
| 4     | 1.72   | 35.93 | 1.2   | 20      | 9.95      | Yes  |      |
| 5     | 4.769  | 97.8  | 3     | 20      | 9.95      | Yes  |      |
| 6     | 10.21  | 207.8 | 6     | 20      | 9.95      | Yes  |      |
| 7     | 12.73  | 263.2 | 7.5   | 20      | 9.95      | Yes  |      |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 07-11-17.mtw  
 Equation:  $Q = 3.08748 \cdot A - 9.48858$   
 RSD: 1.211 %  
 Correlation coefficient: 0.999940

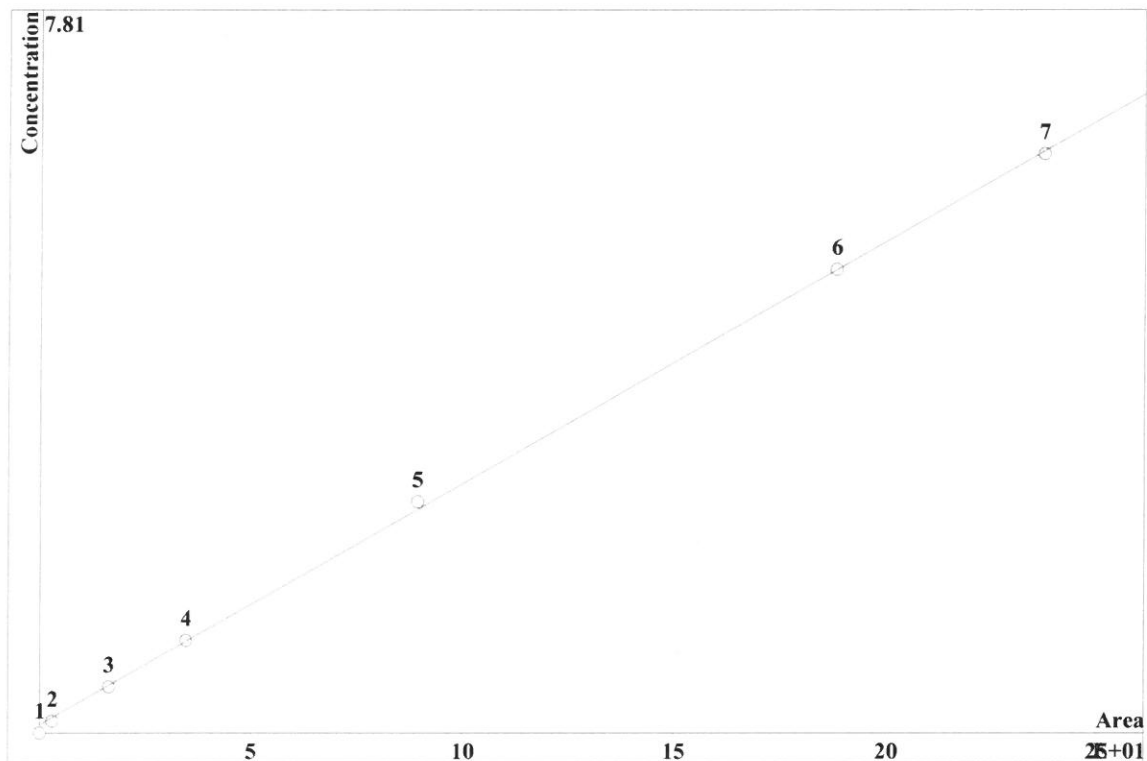


K3 = 0      K2 = 0      K1 = 3.08748      K0 = -9.48858  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.1874 | 6.887 | 0.5   | 20      | 12.61     | Yes  |      |
| 3     | 0.4669 | 16.21 | 2     | 20      | 12.61     | Yes  |      |
| 4     | 0.8161 | 28.73 | 4     | 20      | 12.61     | Yes  |      |
| 5     | 1.778  | 66.71 | 10    | 20      | 12.61     | Yes  |      |
| 6     | 3.237  | 133.5 | 20    | 20      | 12.61     | Yes  |      |
| 7     | 3.857  | 164.8 | 25    | 20      | 12.61     | Yes  |      |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 07-11-17.mtw  
 Equation:  $Q = 0.521641 \cdot A + 1.78354$   
 RSD: 1.957 %  
 Correlation coefficient: 0.999844



K3 = 0      K2 = 0      K1 = 0.521641      K0 = 1.78354

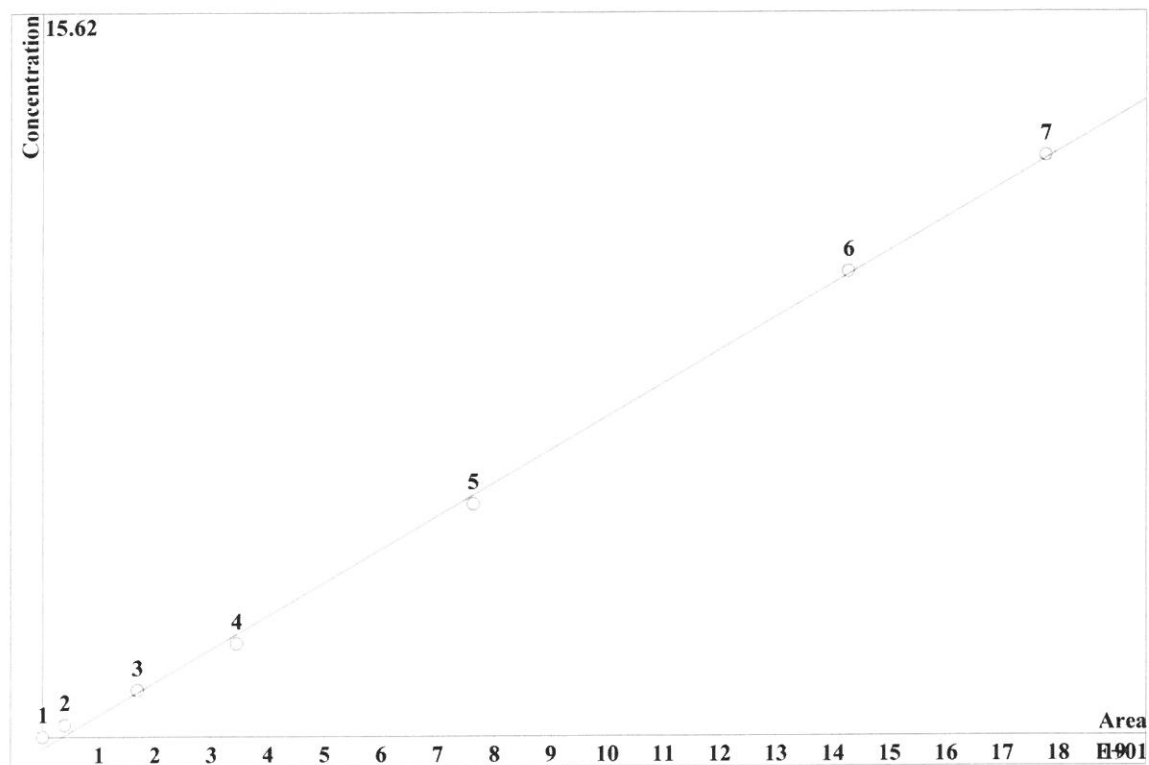
Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.1166 | 3.012 | 0.125 | 20      | 14.11     | Yes  |      |
| 3     | 0.637  | 16.42 | 0.5   | 20      | 14.11     | Yes  |      |
| 4     | 1.334  | 34.64 | 1     | 20      | 14.11     | Yes  |      |
| 5     | 3.498  | 89.27 | 2.5   | 20      | 14.11     | Yes  |      |
| 6     | 7.391  | 188.2 | 5     | 20      | 14.11     | Yes  |      |
| 7     | 9.285  | 237.5 | 6.25  | 20      | 14.11     | Yes  |      |

±□;

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 07-11-17.mtw  
 Equation:  $Q = 1.42734 \cdot A - 5.10864$   
 RSD: 3.656 %  
 Correlation coefficient: 0.999454

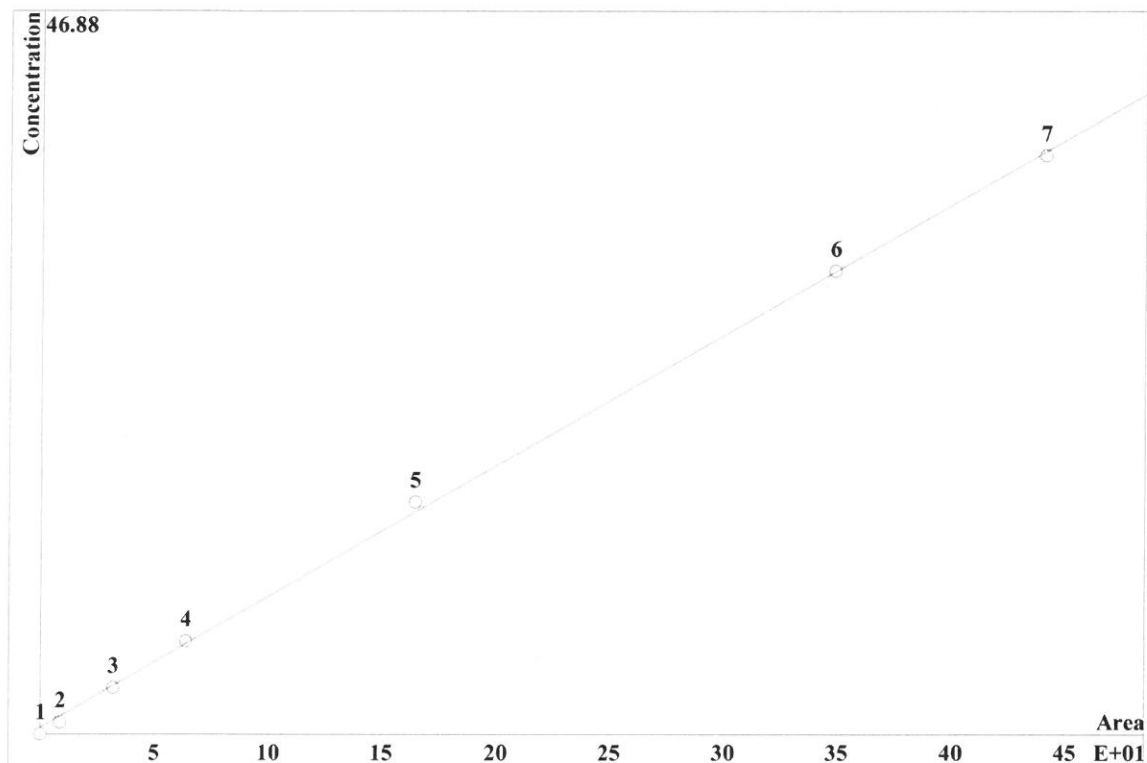


K3 = 0      K2 = 0      K1 = 1.42734      K0 = -5.10864  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|---------|-------|-------|---------|-----------|------|------|
| 1     |         | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.06101 | 3.957 | 0.25  | 20      | 20.8      | Yes  |      |
| 3     | 0.2755  | 16.87 | 1     | 20      | 20.8      | Yes  |      |
| 4     | 0.5854  | 34.51 | 2     | 20      | 20.8      | Yes  |      |
| 5     | 1.384   | 76.34 | 5     | 20      | 20.8      | Yes  |      |
| 6     | 2.746   | 142.8 | 10    | 20      | 20.8      | Yes  |      |
| 7     | 3.493   | 177.8 | 12.5  | 20      | 20.8      | Yes  |      |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 07-11-17.mtw  
 Equation:  $Q = 1.69309 \cdot A + 8.53567$   
 RSD: 2.648 %  
 Correlation coefficient: 0.999714



K3 = 0      K2 = 0      K1 = 1.69309      K0 = 8.53567  
 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     | 0.2149 | 8.665 | 0.75  | 20      | 23.28     | Yes  |      |
| 3     | 0.8445 | 32    | 3     | 20      | 23.28     | Yes  |      |
| 4     | 1.728  | 63.99 | 6     | 20      | 23.28     | Yes  |      |
| 5     | 4.535  | 164.8 | 15    | 20      | 23.28     | Yes  |      |
| 6     | 9.788  | 349   | 30    | 20      | 23.28     | Yes  |      |
| 7     | 12.4   | 441   | 37.5  | 20      | 23.28     | Yes  |      |

Report date: 7/11/2017 2:05:17 PM  
Printed by: wet

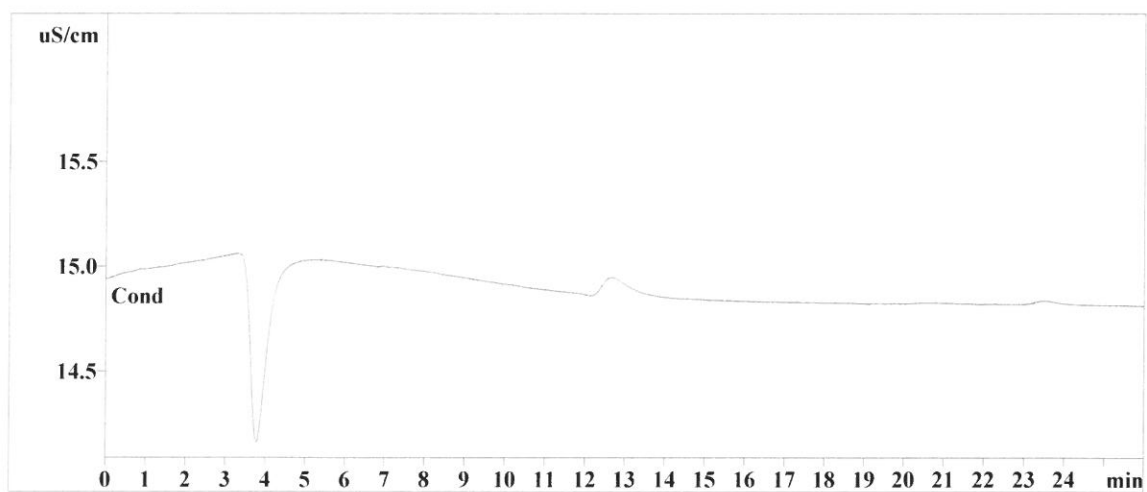
Ident: STD1  
Analysis from: 7/11/2017 10:41:58 AM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58337

Last save: 7/11/2017 9:41:46 AM

SAMPLE:  
:  
Vial number: 2  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 7/11/2017 2:05:25 PM  
Printed by: wet

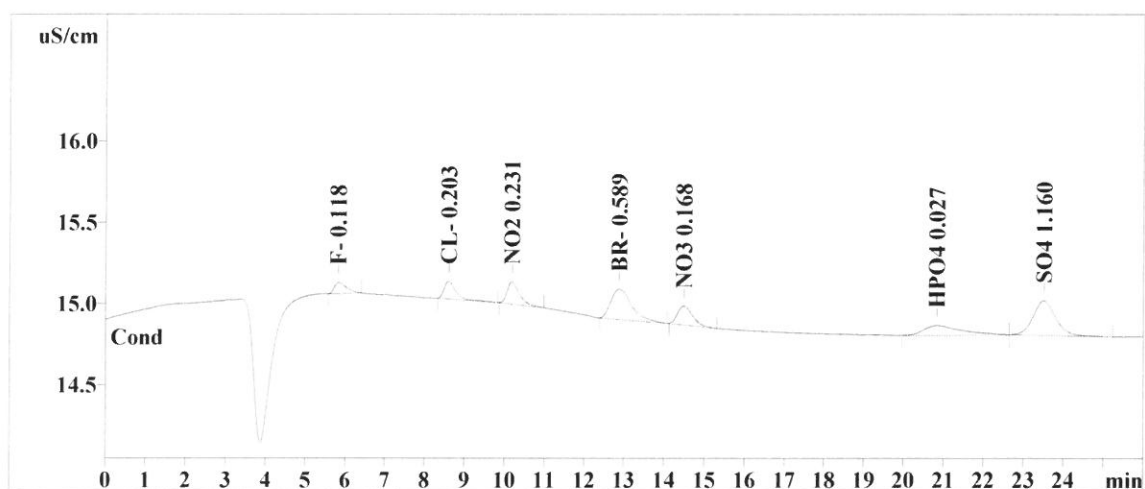
Ident: STD2  
Analysis from: 7/11/2017 11:10:54 AM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58338

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.83             | 0.328          | 0.07            | 7.59        | 1.446             | 4.95      | 0. |
| 2  | 8.59             | 0.298          | 0.11            | 12.10       | 2.297             | 7.86      | 0. |
| 3  | 10.19            | 0.324          | 0.14            | 15.22       | 2.964             | 10.14     | 0. |
| 4  | 12.89            | 0.548          | 0.19            | 20.90       | 6.887             | 23.56     | 0. |
| 5  | 14.49            | 0.400          | 0.12            | 13.00       | 3.012             | 10.30     | 0. |
| 6  | 20.82            | 0.957          | 0.06            | 6.73        | 3.957             | 13.54     | 0. |
| 7  | 23.51            | 0.598          | 0.21            | 24.00       | 8.665             | 29.65     | 0. |
| 7  | 26.00            | 0.493          | 0.89            | 99.54       | 29.228            | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/11/2017 2:05:31 PM  
Printed by: wet

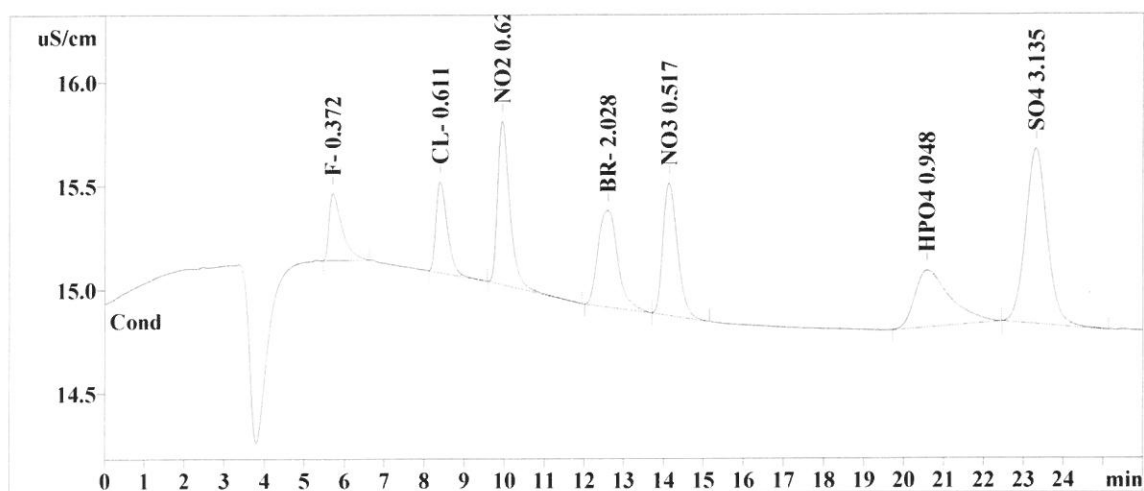
Ident: STD3  
Analysis from: 7/11/2017 11:39:50 AM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58339

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.72             | 0.332          | 0.32            | 8.52        | 7.345             | 6.43      | 0. |
| 2  | 8.40             | 0.288          | 0.44            | 11.62       | 8.457             | 7.40      | 0. |
| 3  | 9.94             | 0.312          | 0.79            | 20.90       | 16.948            | 14.84     | 0. |
| 4  | 12.60            | 0.530          | 0.47            | 12.36       | 16.210            | 14.19     | 0. |
| 5  | 14.13            | 0.398          | 0.64            | 16.86       | 16.416            | 14.37     | 0. |
| 6  | 20.58            | 0.901          | 0.27            | 7.28        | 16.866            | 14.76     | 0. |
| 7  | 23.31            | 0.569          | 0.84            | 22.37       | 31.996            | 28.01     | 0. |
| 7  | 26.00            | 0.476          | 3.77            | 99.93       | 114.237           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/11/2017 2:05:36 PM  
Printed by: wet

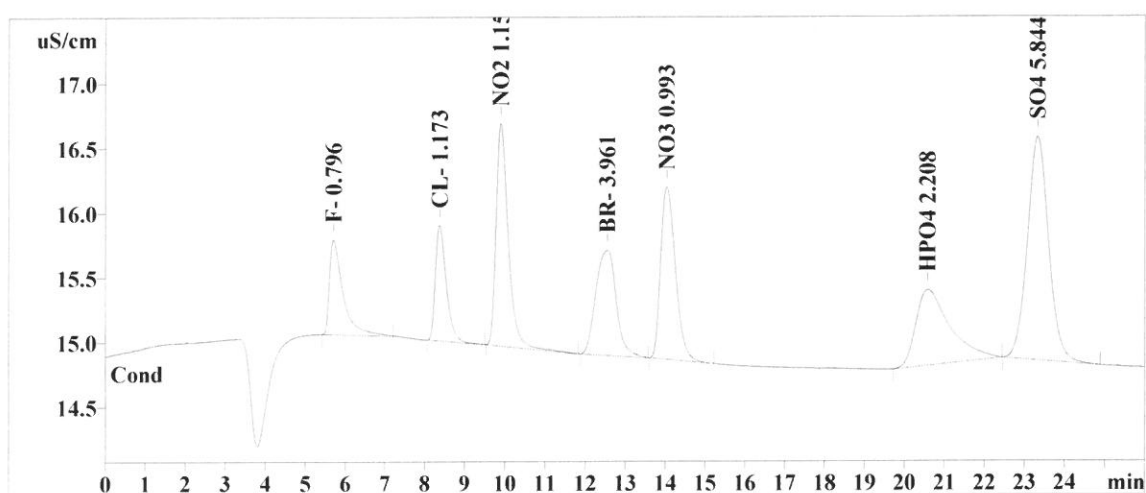
Ident: STD4  
Analysis from: 7/11/2017 12:08:45 PM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58340

Last save: 7/11/2017 9:41:46 AM

SAMPLE:  
: AP/AK  
Vial number: 5  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.71             | 0.318          | 0.73            | 9.38        | 17.201            | 7.42      | 0. |
| 2  | 8.38             | 0.283          | 0.90            | 11.46       | 16.942            | 7.30      | 0. |
| 3  | 9.90             | 0.305          | 1.72            | 22.01       | 35.927            | 15.49     | 0. |
| 4  | 12.56            | 0.550          | 0.82            | 10.44       | 28.734            | 12.39     | 0. |
| 5  | 14.03            | 0.402          | 1.33            | 17.07       | 34.641            | 14.93     | 0. |
| 6  | 20.59            | 0.852          | 0.59            | 7.49        | 34.514            | 14.88     | 0. |
| 7  | 23.33            | 0.560          | 1.73            | 22.12       | 63.986            | 27.59     | 0. |
| 7  | 26.00            | 0.467          | 7.81            | 99.96       | 231.946           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/11/2017 2:05:45 PM  
Printed by: wet

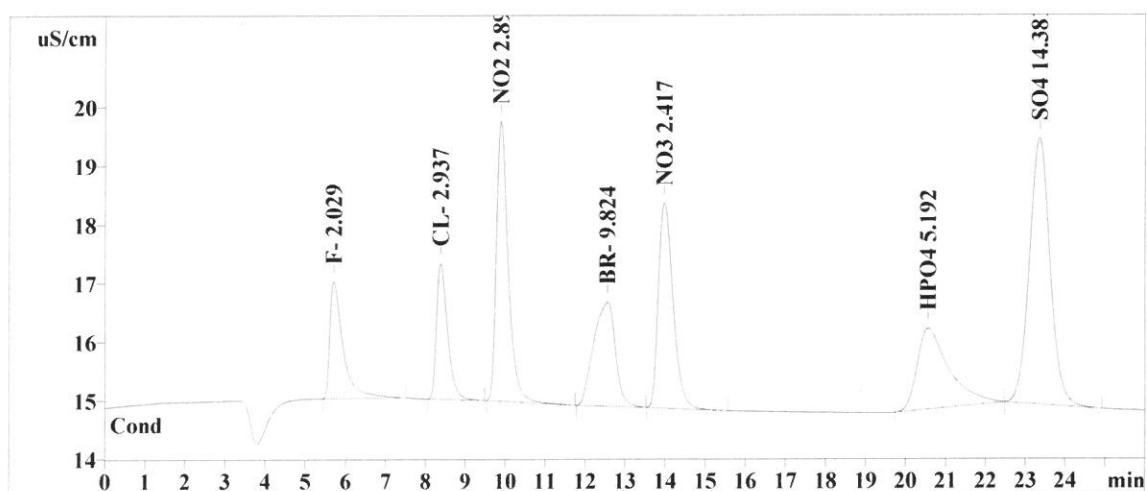
Ident: STD5  
Analysis from: 7/11/2017 12:37:41 PM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58341

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.71             | 0.311          | 2.00            | 9.85        | 45.845            | 7.84      | 0. |
| 2  | 8.38             | 0.281          | 2.31            | 11.41       | 43.598            | 7.46      | 0. |
| 3  | 9.89             | 0.301          | 4.77            | 23.52       | 97.796            | 16.73     | 0. |
| 4  | 12.57            | 0.607          | 1.78            | 8.77        | 66.713            | 11.42     | 0. |
| 5  | 13.98            | 0.392          | 3.50            | 17.26       | 89.266            | 15.28     | 0. |
| 6  | 20.56            | 0.782          | 1.38            | 6.83        | 76.335            | 13.06     | 0. |
| 7  | 23.35            | 0.551          | 4.53            | 22.37       | 164.838           | 28.21     | 0. |
| 7  | 26.00            | 0.461          | 20.27           | 99.99       | 584.391           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/11/2017 2:05:52 PM  
Printed by: wet

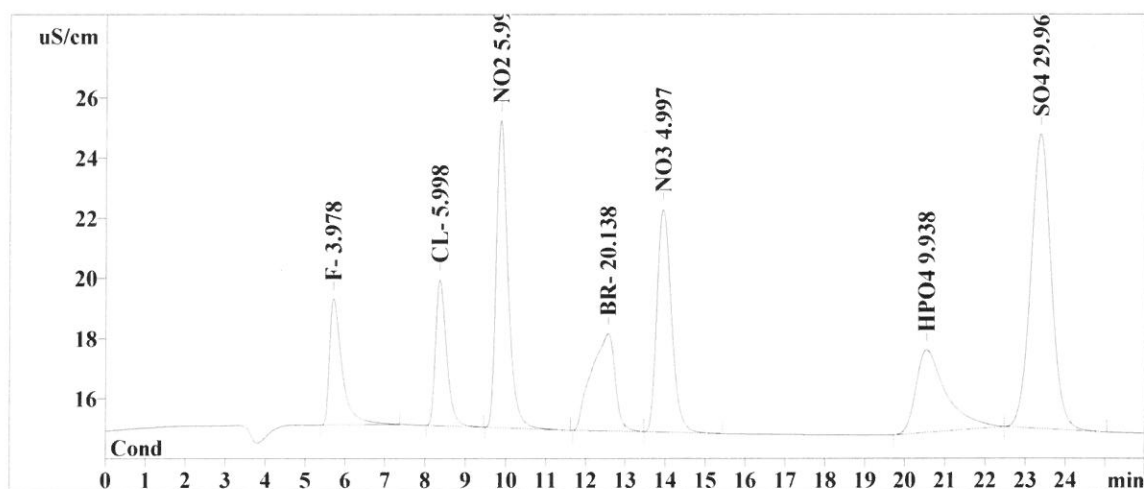
Ident: STD6  
Analysis from: 7/11/2017 1:06:37 PM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58342

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.71             | 0.302          | 4.19            | 9.89        | 91.104            | 7.58      | 0. |
| 2  | 8.36             | 0.277          | 4.83            | 11.40       | 89.840            | 7.47      | 0. |
| 3  | 9.87             | 0.301          | 10.21           | 24.08       | 207.829           | 17.29     | 0. |
| 4  | 12.56            | 0.706          | 3.24            | 7.64        | 133.522           | 11.11     | 0. |
| 5  | 13.94            | 0.392          | 7.39            | 17.43       | 188.182           | 15.65     | 0. |
| 6  | 20.53            | 0.726          | 2.75            | 6.48        | 142.827           | 11.88     | 0. |
| 7  | 23.37            | 0.539          | 9.79            | 23.09       | 348.975           | 29.03     | 0. |
| 7  | 26.00            | 0.463          | 42.40           | 100.00      | 1202.278          | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/11/2017 2:05:59 PM  
Printed by: wet

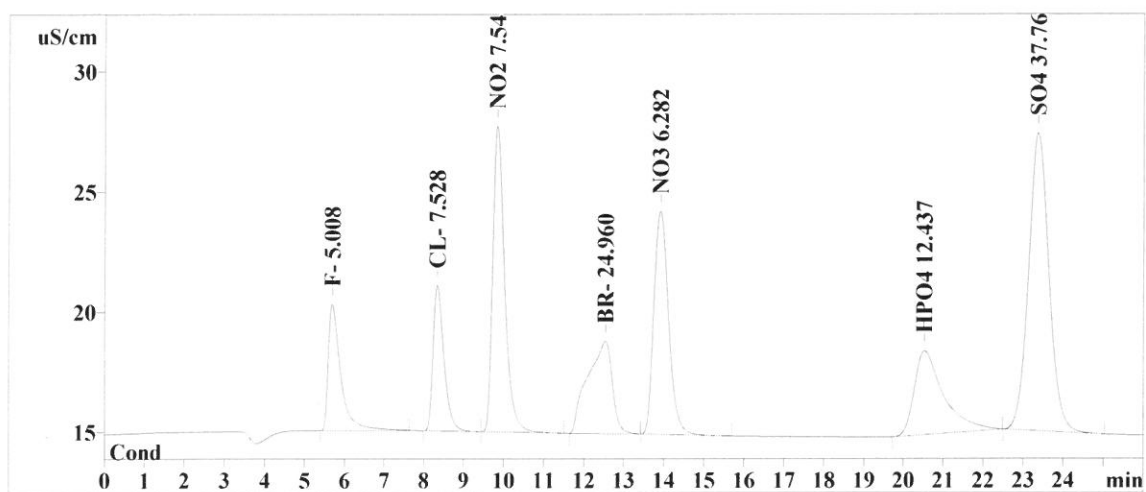
Ident: STD7  
Analysis from: 7/11/2017 1:35:32 PM  
File: \_2017-07-11\_

Last save: 7/11/2017 2:04:22 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58343

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.69             | 0.301          | 5.26            | 9.92        | 115.047           | 7.61      | 0. |
| 2  | 8.34             | 0.278          | 6.06            | 11.41       | 112.966           | 7.47      | 0. |
| 3  | 9.84             | 0.306          | 12.73           | 23.99       | 263.151           | 17.40     | 0. |
| 4  | 12.54            | 0.768          | 3.86            | 7.26        | 164.756           | 10.89     | 0. |
| 5  | 13.91            | 0.394          | 9.29            | 17.49       | 237.455           | 15.70     | 0. |
| 6  | 20.53            | 0.708          | 3.49            | 6.58        | 177.848           | 11.76     | 0. |
| 7  | 23.37            | 0.538          | 12.40           | 23.35       | 441.014           | 29.16     | 0. |
| 7  | 26.00            | 0.471          | 53.09           | 100.00      | 1512.236          | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/12/2017 9:22:42 AM  
Printed by: wet

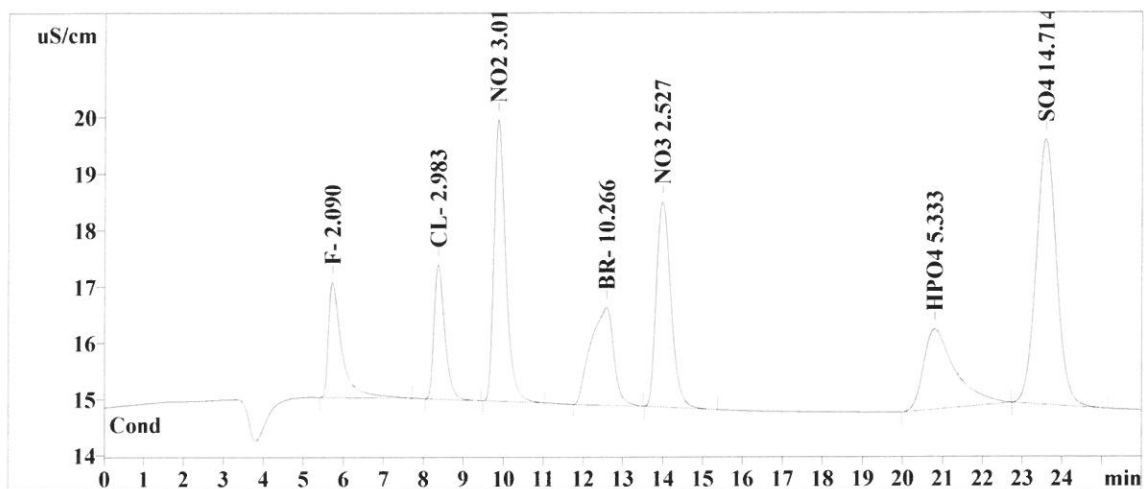
Ident: ICV  
Analysis from: 7/11/2017 3:03:18 PM  
File: \_2017-07-11\_

Last save: 7/11/2017 3:29:08 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58346

Last save: 7/11/2017 2:01:22 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.73             | 0.308          | 2.04            | 9.77        | 47.249            | 7.83      | 0. |
| 2  | 8.37             | 0.278          | 2.39            | 11.39       | 44.295            | 7.34      | 0. |
| 3  | 9.87             | 0.303          | 4.99            | 23.85       | 102.065           | 16.91     | 0. |
| 4  | 12.59            | 0.673          | 1.74            | 8.31        | 69.572            | 11.52     | 0. |
| 5  | 13.98            | 0.396          | 3.64            | 17.40       | 93.474            | 15.48     | 0. |
| 6  | 20.79            | 0.774          | 1.43            | 6.83        | 78.312            | 12.97     | 0. |
| 7  | 23.59            | 0.546          | 4.70            | 22.45       | 168.770           | 27.95     | 0. |
| 7  | 26.00            | 0.468          | 20.93           | 99.99       | 603.737           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 7/12/2017 9:22:48 AM  
Printed by: wet

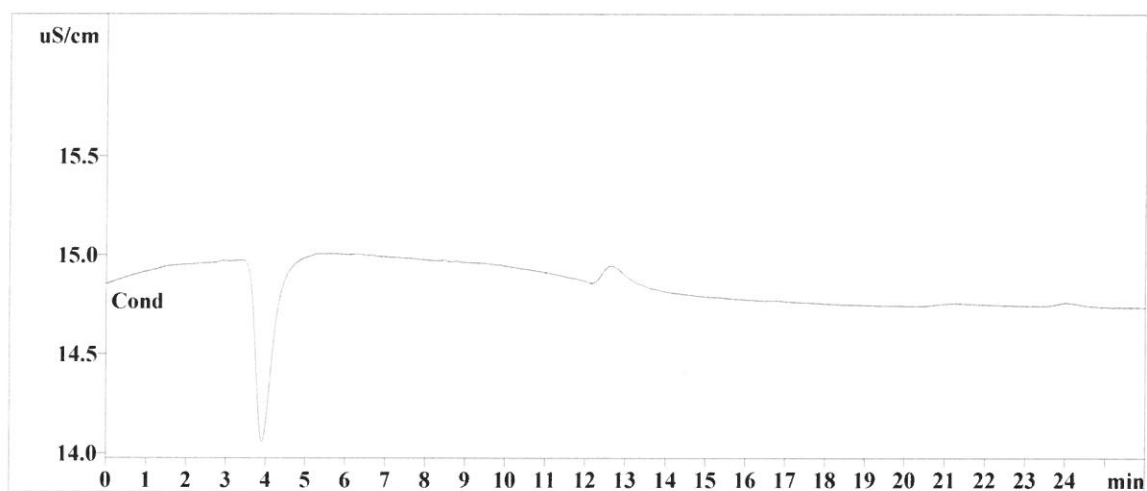
Ident: ICB  
Analysis from: 7/11/2017 3:32:14 PM  
File: \_2017-07-11\_

Last save: 7/12/2017 9:21:56 AM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58347

Last save: 7/11/2017 2:01:22 PM

SAMPLE:  
: AK/AP  
Vial number: 12  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:13:03 PM  
Printed by: wet

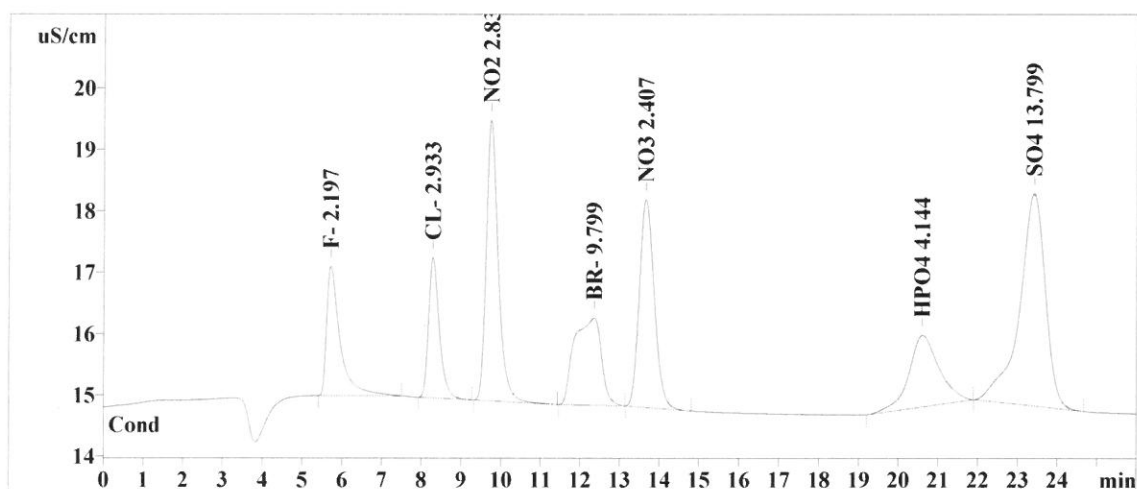
Ident: CCV  
Analysis from: 8/1/2017 11:15:09 AM  
File: \_2017-08-01\_

Last save: 8/1/2017 11:40:58 AM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58566

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.72             | 0.315          | 2.11            | 11.45       | 49.736            | 8.82      | 0. |
| 2  | 8.29             | 0.283          | 2.29            | 12.44       | 43.537            | 7.72      | 0. |
| 3  | 9.74             | 0.306          | 4.57            | 24.82       | 95.578            | 16.95     | 0. |
| 4  | 12.35            | 0.805          | 1.42            | 7.74        | 66.548            | 11.80     | 0. |
| 5  | 13.65            | 0.405          | 3.39            | 18.40       | 88.858            | 15.76     | 0. |
| 6  | 20.60            | 0.759          | 1.17            | 6.35        | 61.642            | 10.93     | 0. |
| 7  | 23.40            | 0.639          | 3.46            | 18.79       | 157.966           | 28.01     | 0. |
| 7  | 26.00            | 0.502          | 18.41           | 99.99       | 563.866           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:13:27 PM  
Printed by: wet

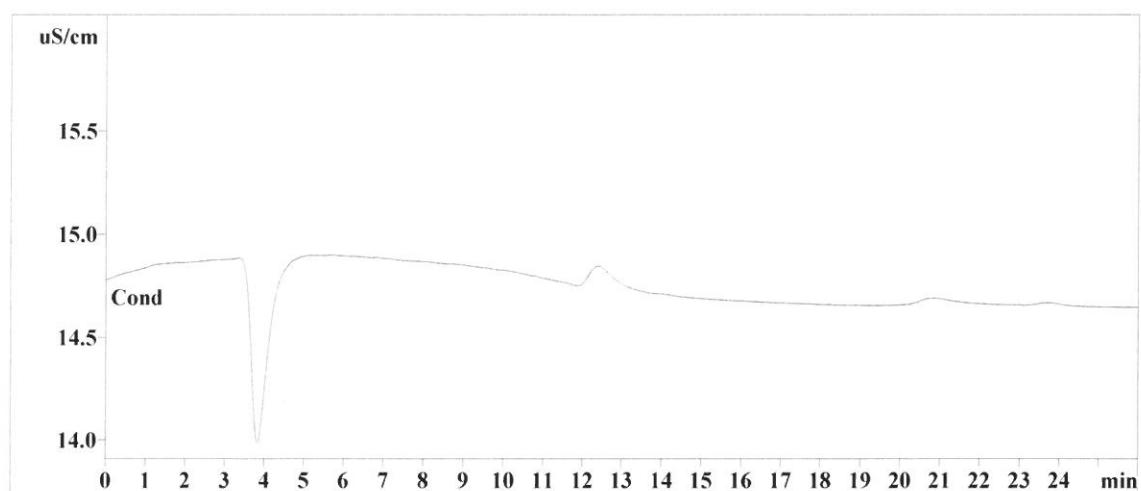
Ident: CCB  
Analysis from: 8/1/2017 11:44:04 AM  
File: \_2017-08-01\_

Last save: 8/2/2017 3:13:20 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58567

Last save: 7/14/2017 10:59:46 AM

SAMPLE:  
: AK/AP  
Vial number: 3  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:13:34 PM  
Printed by: wet

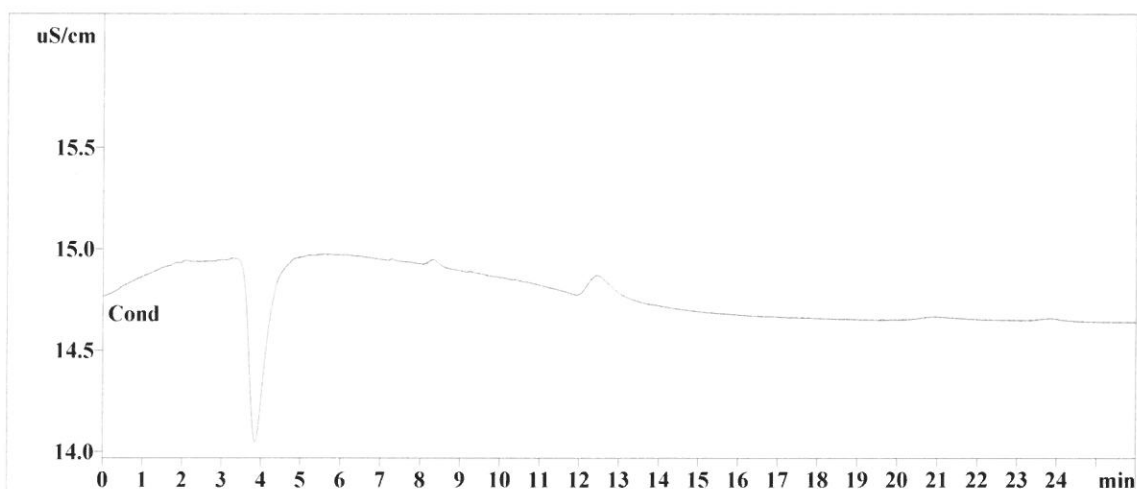
Ident: LB89162BL  
Analysis from: 8/1/2017 12:12:59 PM  
File: \_2017-08-01\_

Last save: 8/2/2017 3:13:20 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58568

Last save: 7/14/2017 10:59:46 AM

SAMPLE:  
:  
Vial number: 4  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:13:46 PM  
Printed by: wet

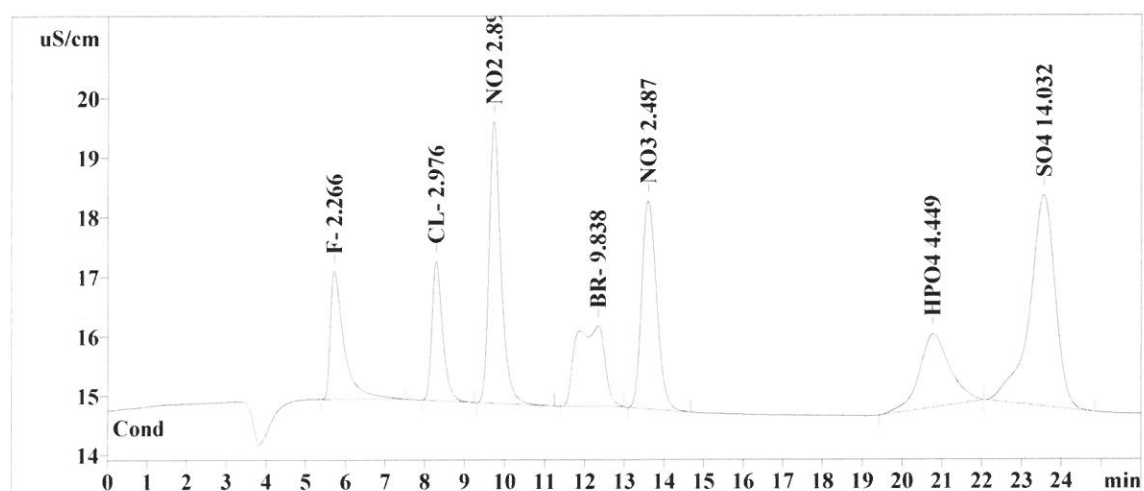
Ident: LB89162BS  
Analysis from: 8/1/2017 12:41:54 PM  
File: \_2017-08-01\_

Last save: 8/1/2017 1:40:04 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58569

Last save: 7/14/2017 10:59:46 AM

SAMPLE:  
: AK/AP  
Vial number: 5  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.72             | 0.319          | 2.15            | 11.38       | 51.341            | 8.87      | 0. |
| 2  | 8.28             | 0.280          | 2.35            | 12.45       | 44.192            | 7.64      | 0. |
| 3  | 9.72             | 0.302          | 4.73            | 25.06       | 97.820            | 16.90     | 0. |
| 4  | 12.34            | 0.845          | 1.36            | 7.20        | 66.804            | 11.54     | 0. |
| 5  | 13.59            | 0.408          | 3.50            | 18.54       | 91.933            | 15.89     | 0. |
| 6  | 20.76            | 0.776          | 1.23            | 6.53        | 65.925            | 11.39     | 0. |
| 7  | 23.56            | 0.638          | 3.55            | 18.82       | 160.714           | 27.77     | 0. |
| 7  | 26.00            | 0.510          | 18.86           | 99.98       | 578.728           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:13:55 PM  
Printed by: wet

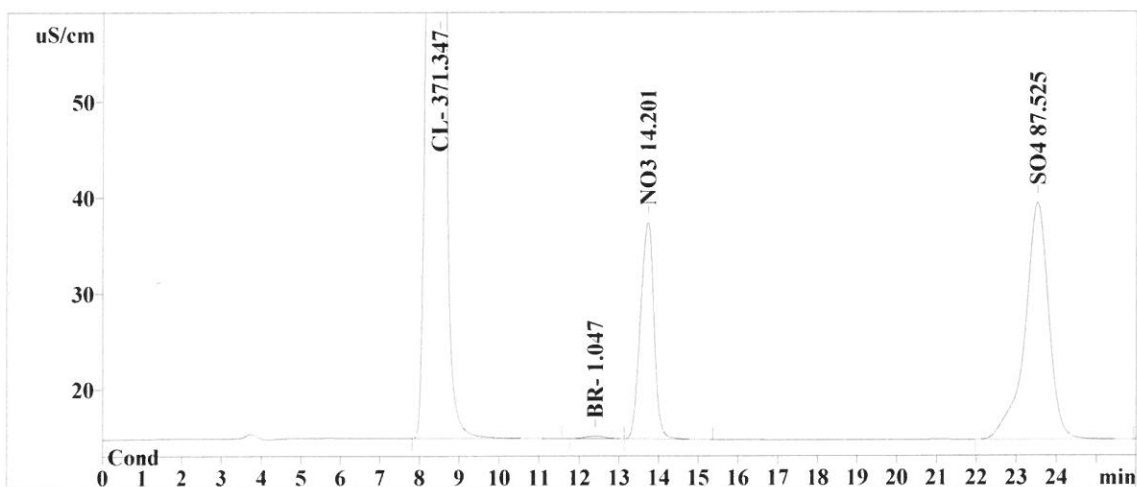
Ident: I4535-01  
Analysis from: 8/1/2017 1:10:49 PM  
File: \_2017-08-01\_

Last save: 8/1/2017 1:36:40 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58570

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.49             | 0.333          | 264.14          | 84.73       | 5609.621          | 78.03     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.41            | 0.533          | 0.28            | 0.09        | 9.853             | 0.14      | 0. |
| 5  | 13.72            | 0.376          | 22.57           | 7.24        | 541.063           | 7.53      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 23.52            | 0.585          | 24.69           | 7.92        | 1028.863          | 14.31     | 0. |
| 7  | 26.00            | 0.261          | 311.69          | 99.98       | 7189.400          | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:14:02 PM  
Printed by: wet

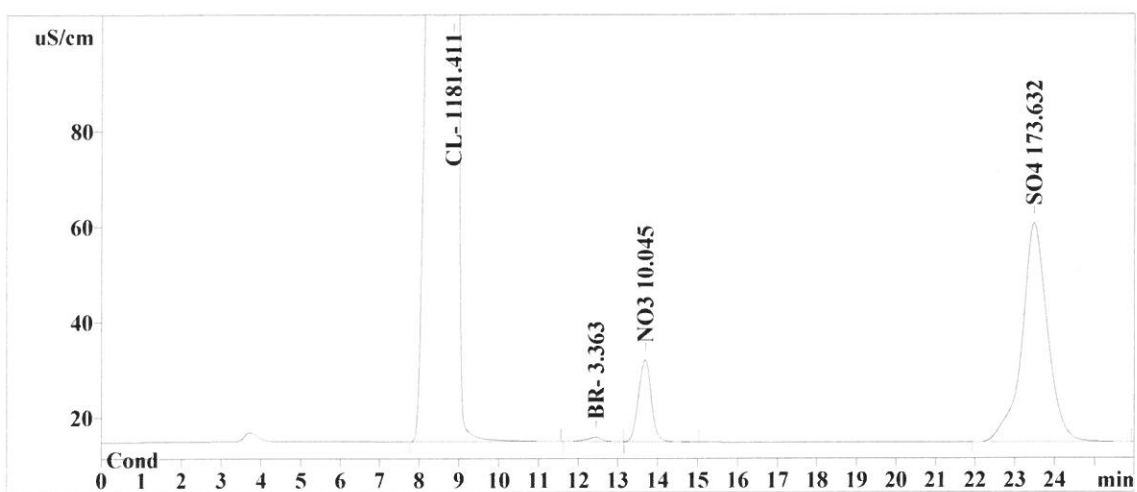
Ident: I4535-02  
Analysis from: 8/1/2017 1:39:45 PM  
File: \_2017-08-01\_

Last save: 8/1/2017 2:05:34 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58571

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.85             | 0.580          | 520.80          | 89.03       | 17848.253         | 87.92     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.44            | 0.347          | 0.98            | 0.17        | 24.856            | 0.12      | 0. |
| 5  | 13.69            | 0.345          | 17.14           | 2.93        | 381.695           | 1.88      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 23.48            | 0.627          | 45.88           | 7.84        | 2046.029          | 10.08     | 0. |
| 7  | 26.00            | 0.271          | 584.80          | 99.98       | 20300.833         | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:14:10 PM  
Printed by: wet

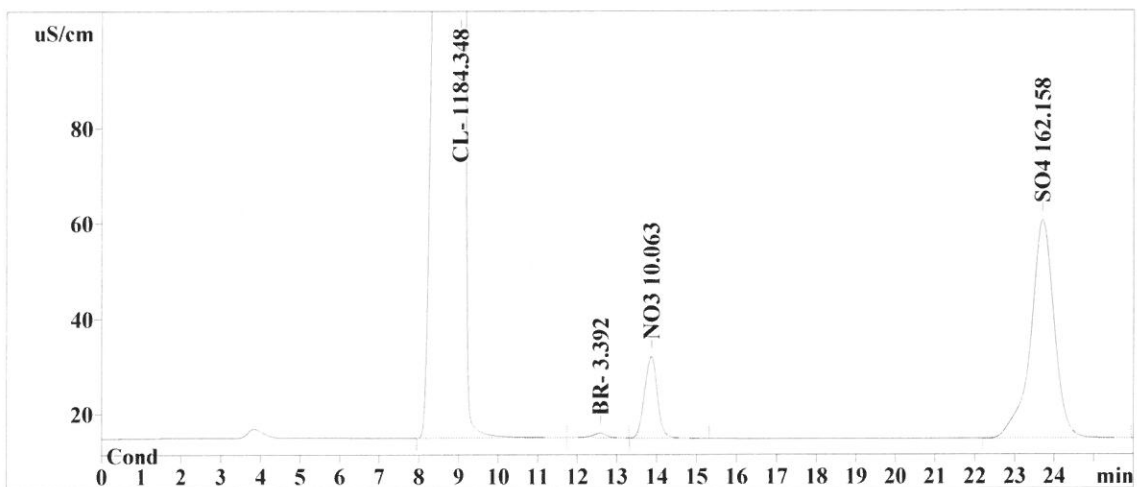
Ident: I4535-02DUP  
Analysis from: 8/1/2017 2:08:40 PM  
File: \_2017-08-01\_

Last save: 8/1/2017 2:34:30 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58572

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 9.03             | 0.580          | 522.02          | 89.07       | 17892.614         | 88.53     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.59            | 0.341          | 1.00            | 0.17        | 25.047            | 0.12      | 0. |
| 5  | 13.86            | 0.346          | 17.12           | 2.92        | 382.413           | 1.89      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 23.70            | 0.594          | 45.77           | 7.81        | 1910.483          | 9.45      | 0. |
| 7  | 26.00            | 0.266          | 585.90          | 99.98       | 20210.558         | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:14:33 PM  
Printed by: wet

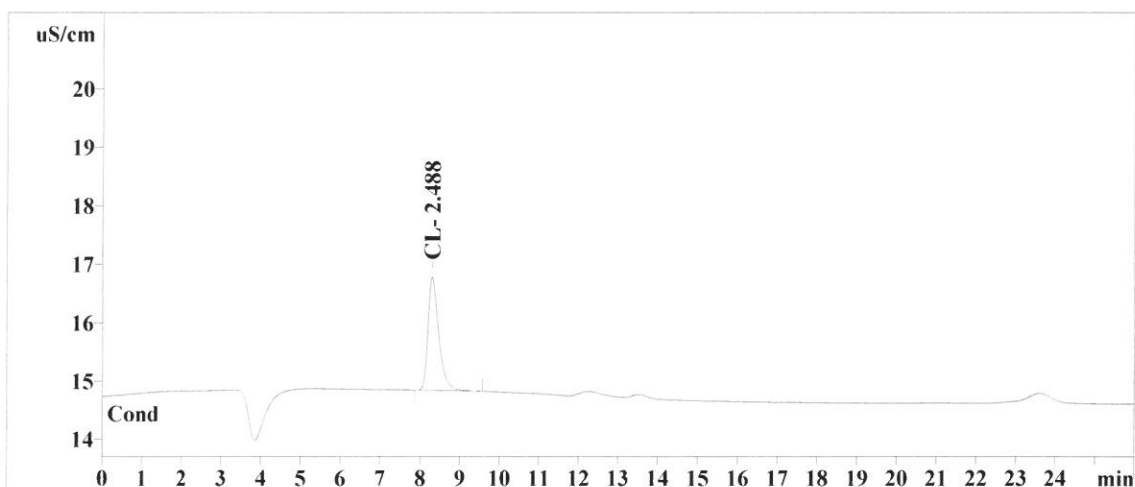
Ident: I4535-01DLX100  
Analysis from: 8/1/2017 2:37:35 PM  
File: \_2017-08-01\_

Last save: 8/2/2017 3:14:28 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58573

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.30             | 0.279          | 1.95            | 99.97       | 36.810            | 100.00    | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 26.00            | 0.040          | 1.95            | 99.97       | 36.810            | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:14:39 PM  
Printed by: wet

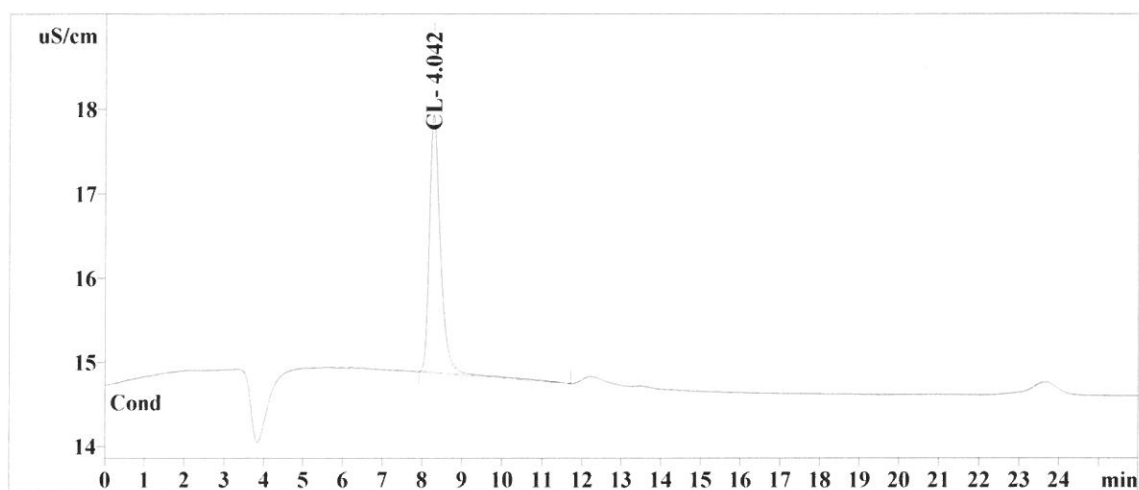
Ident: I4535-02DLX200  
Analysis from: 8/1/2017 3:06:31 PM  
File: \_2017-08-01\_

Last save: 8/2/2017 3:14:28 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58574

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.28             | 0.281          | 3.06            | 100.00      | 60.296            | 100.00    | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 26.00            | 0.040          | 3.06            | 100.00      | 60.296            | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:14:47 PM  
Printed by: wet

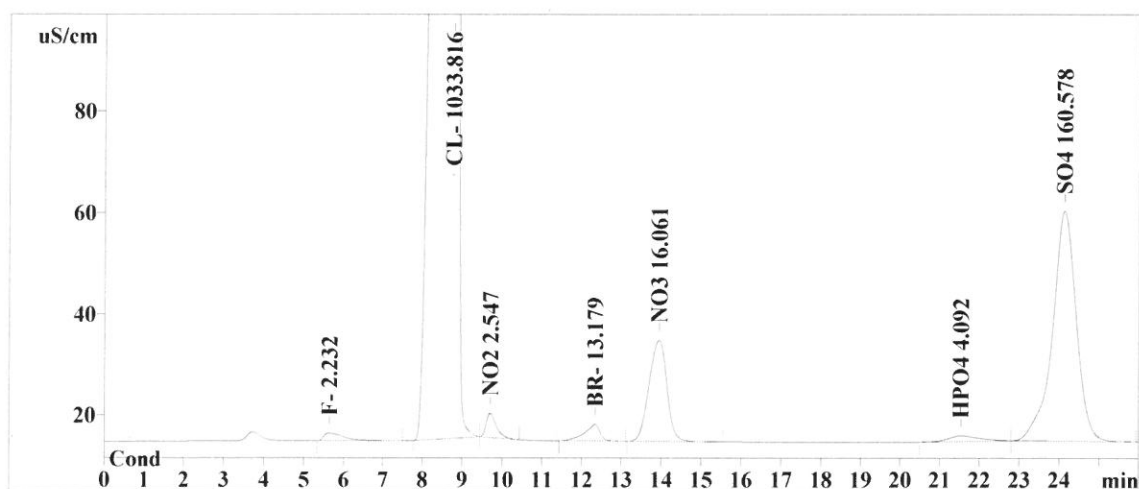
Ident: I4535-02MS  
Analysis from: 8/1/2017 3:35:26 PM  
File: \_2017-08-01\_

Last save: 8/1/2017 4:01:16 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58575

Last save: 7/14/2017 10:59:46 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.65             | 0.507          | 1.46            | 0.26        | 50.551            | 0.27      | 0. |
| 2  | 8.77             | 0.538          | 489.80          | 86.52       | 15618.346         | 84.85     | 0. |
| 3  | 9.71             | 0.261          | 4.82            | 0.85        | 85.543            | 0.46      | 0. |
| 4  | 12.34            | 0.392          | 3.26            | 0.58        | 88.444            | 0.48      | 0. |
| 5  | 13.94            | 0.479          | 19.99           | 3.53        | 612.358           | 3.33      | 0. |
| 6  | 21.53            | 0.826          | 1.12            | 0.20        | 60.922            | 0.33      | 0. |
| 7  | 24.13            | 0.599          | 45.44           | 8.03        | 1891.822          | 10.28     | 0. |
| 7  | 26.00            | 0.515          | 565.88          | 99.96       | 18407.986         | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:14:53 PM  
Printed by: wet

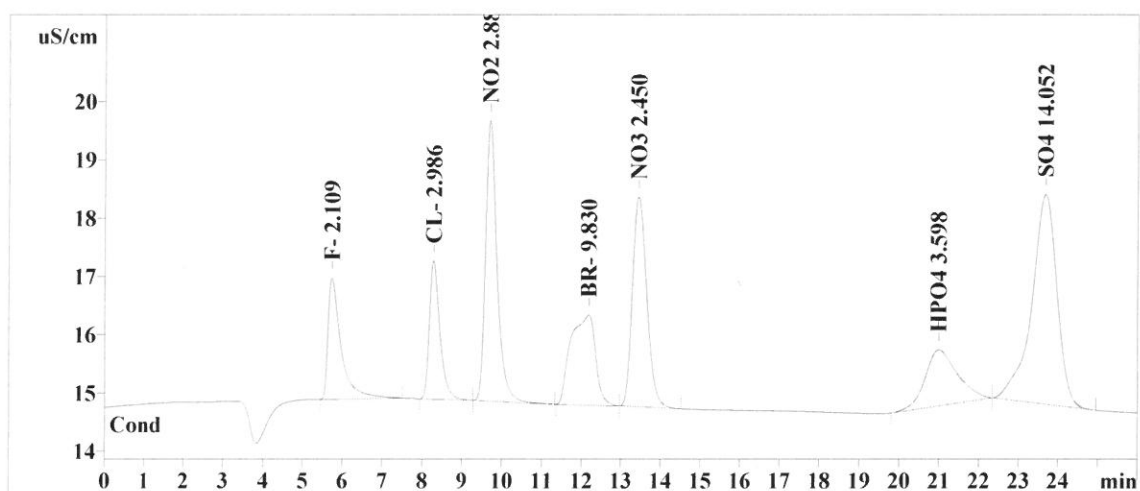
Ident: CCV  
Analysis from: 8/1/2017 4:04:22 PM  
File: \_2017-08-01\_

Last save: 8/1/2017 4:30:12 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58576

Last save: 7/14/2017 10:59:46 AM

SAMPLE:  
: AK/AP  
Vial number: 2  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.74             | 0.308          | 2.08            | 10.96       | 47.711            | 8.49      | 0. |
| 2  | 8.28             | 0.277          | 2.38            | 12.51       | 44.339            | 7.89      | 0. |
| 3  | 9.70             | 0.297          | 4.81            | 25.35       | 97.698            | 17.39     | 0. |
| 4  | 12.18            | 0.740          | 1.55            | 8.16        | 66.747            | 11.88     | 0. |
| 5  | 13.44            | 0.388          | 3.60            | 18.98       | 90.504            | 16.11     | 0. |
| 6  | 20.98            | 0.837          | 0.97            | 5.09        | 53.993            | 9.61      | 0. |
| 7  | 23.68            | 0.645          | 3.59            | 18.93       | 160.945           | 28.64     | 0. |
| 7  | 26.00            | 0.499          | 18.98           | 99.99       | 561.937           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/2/2017 3:15:00 PM  
Printed by: wet

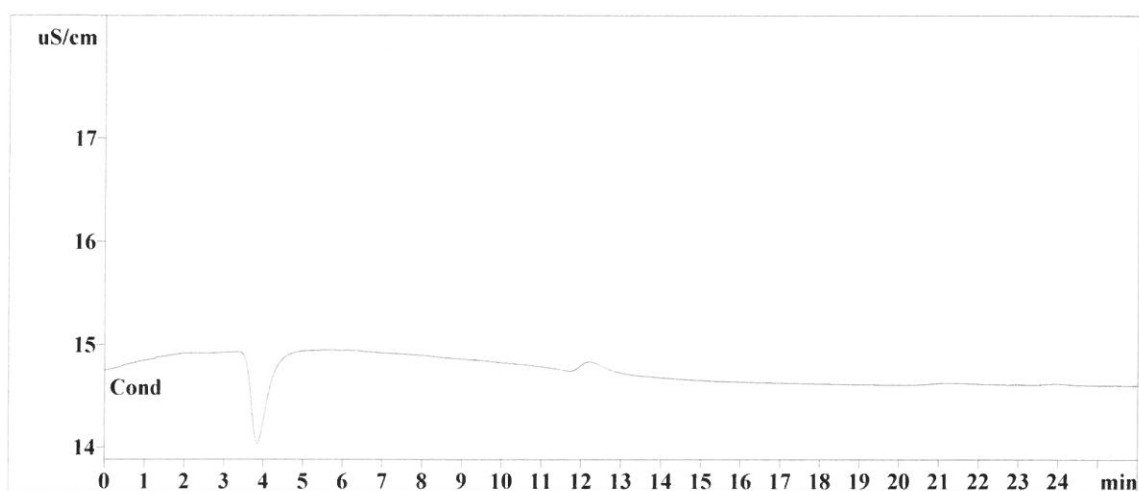
Ident: CCB  
Analysis from: 8/1/2017 4:33:17 PM  
File: \_2017-08-01\_

Last save: 8/2/2017 3:13:20 PM

Method: ANIONS 07-11-17.mtw  
Run operator: wet  
Analysis number: 58577

Last save: 7/14/2017 10:59:46 AM

SAMPLE:  
:  
Vial number: 3  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD