

IC-1 300.0

8/15/17 AK

Clear table

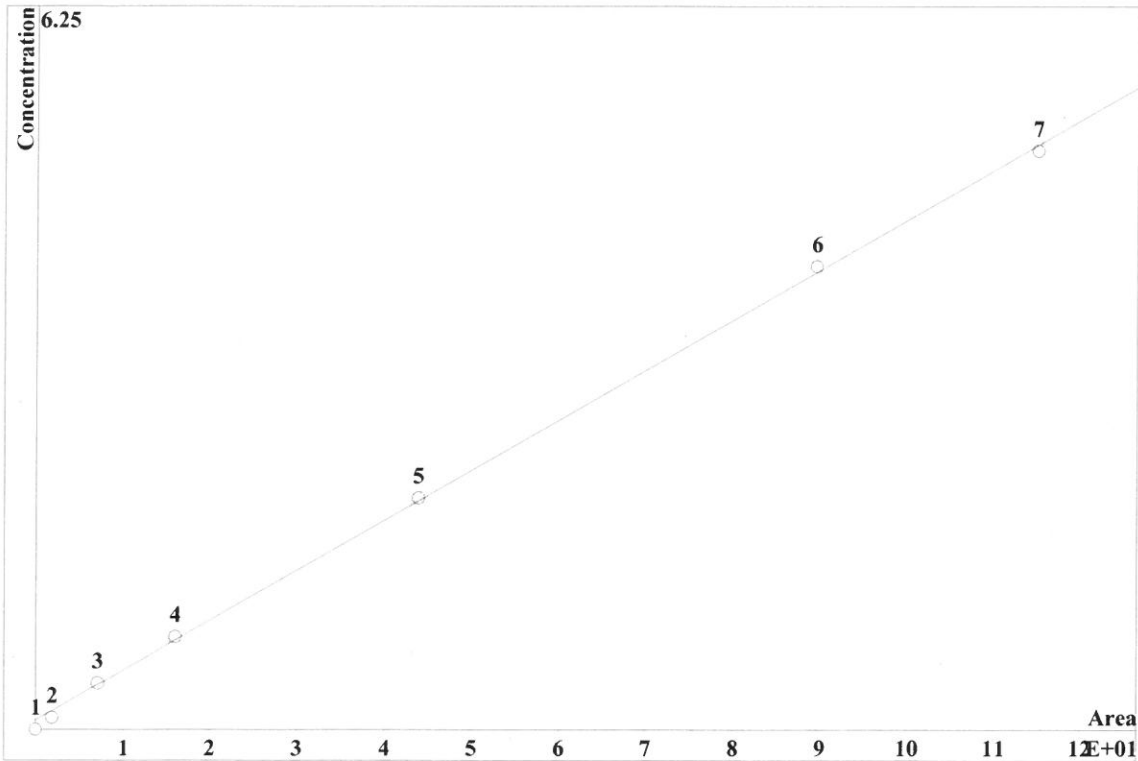
| ident       | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name  | date time     |
|-------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|------------|---------------|
| STD1        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-11 | 8/11/17 10:27 |
| STD2        | 0.1620               | 0.2200                | 0.2580                | 0.7350                | 0.2010                | 0.5340                 | 1.3500                | 2017-08-11 | 8/11/17 10:56 |
| STD3        | 0.3880               | 0.6250                | 0.6560                | 2.1160                | 0.5400                | 1.0710                 | 3.2540                | 2017-08-11 | 8/11/17 11:25 |
| STD4        | 0.7740               | 1.1840                | 1.1730                | 3.9810                | 0.9710                | 1.9300                 | 5.8120                | 2017-08-11 | 8/11/17 11:54 |
| STD5        | 1.9750               | 2.9220                | 2.8650                | 9.6210                | 2.4080                | 4.6950                 | 14.2020               | 2017-08-11 | 8/11/17 12:23 |
| STD6        | 3.9500               | 5.8720                | 5.8030                | 19.6350               | 4.8780                | 9.6630                 | 29.3590               | 2017-08-11 | 8/11/17 12:52 |
| STD7        | 5.0520               | 7.6270                | 7.6950                | 25.4120               | 6.3770                | 12.8580                | 38.2740               | 2017-08-11 | 8/11/17 13:21 |
| ICV         | 2.1640               | 3.0020                | 2.9350                | 9.9500                | 2.4690                | 5.4950                 | 14.6260               | 2017-08-11 | 8/11/17 14:48 |
| ICB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-11 | 8/11/17 15:16 |
| CCV         | 2.2460               | 3.0040                | 2.9270                | 10.4820               | 2.5350                | 5.8070                 | 14.8510               | 2017-08-14 | 8/14/17 16:31 |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-14 | 8/14/17 17:00 |
| LB89462BLW  | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-14 | 8/14/17 17:29 |
| LB89462BSW  | 2.1820               | 2.9820                | 2.9390                | 10.3990               | 2.5020                | 6.0300                 | 14.9720               | 2017-08-14 | 8/14/17 17:58 |
| I4792-11    | 0.8810               | 52.6620               | 0.0000                | 1.0660                | 0.0000                | 2.0070                 | 28.1550               | 2017-08-14 | 8/14/17 18:27 |
| I4792-11DUP | 0.8050               | 52.7180               | 0.0000                | 1.0250                | 0.0000                | 2.0120                 | 28.1600               | 2017-08-14 | 8/14/17 18:56 |
| I4792-11MS  | 2.7340               | 51.5210               | 2.8930                | 10.9840               | 2.4990                | 7.5510                 | 41.8780               | 2017-08-14 | 8/14/17 19:25 |
| CCV         | 2.0230               | 3.0030                | 3.0090                | 9.9940                | 2.5390                | 6.3500                 | 15.0520               | 2017-08-14 | 8/14/17 19:54 |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-08-14 | 8/14/17 20:23 |

IC-1

Cal 8-11-17 AK

## CALIBRATION OF COMPONENT F-

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 0.864544 \cdot A + 1.60918$   
 RSD: 2.509 %  
 Correlation coefficient: 0.999743



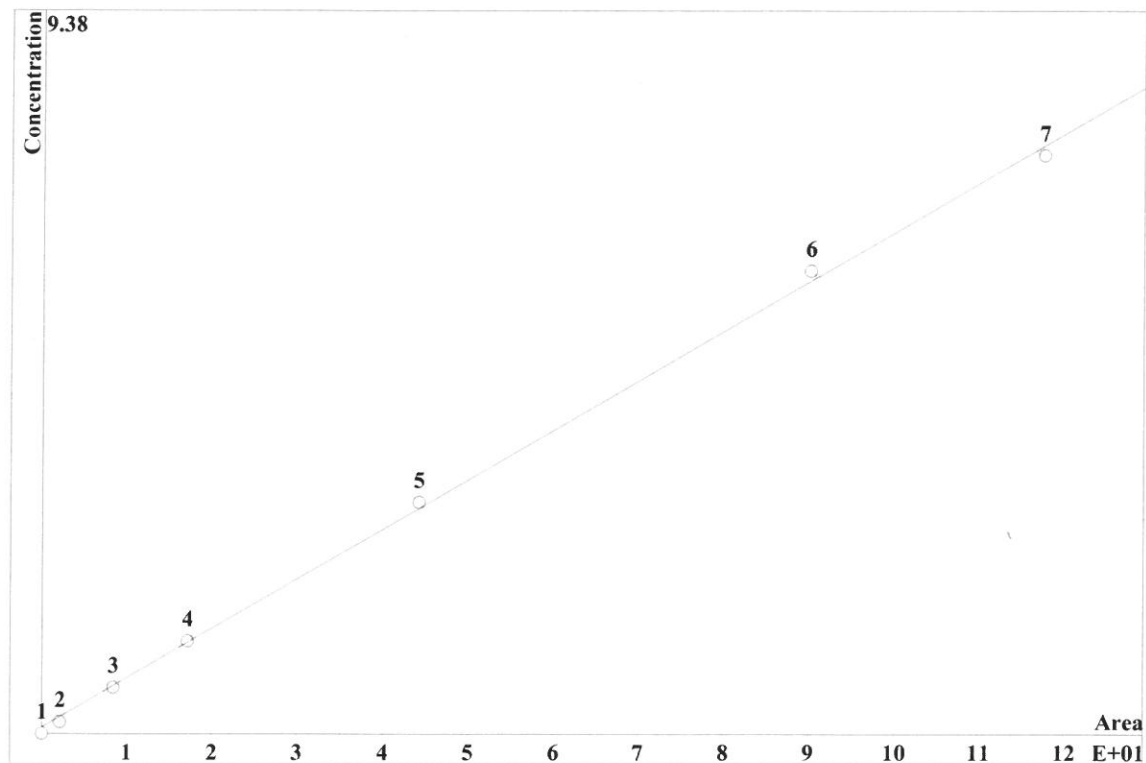
K3 = 0      K2 = 0      K1 = 0.864544      K0 = 1.60918

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     | 0.08069 | 1.888 | 0.1   | 20      | 5.72      |      |      | Yes |
| 3     | 0.3265  | 7.103 | 0.4   | 20      | 5.72      |      |      | Yes |
| 4     | 0.7108  | 16.04 | 0.8   | 20      | 5.72      |      |      | Yes |
| 5     | 1.952   | 43.83 | 2     | 20      | 5.72      |      |      | Yes |
| 6     | 4.159   | 89.51 | 4     | 20      | 5.72      |      |      | Yes |
| 7     | 5.464   | 115   | 5     | 20      | 5.72      |      |      | Yes |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 1.28355 \cdot A + 1.66979$   
 RSD: 3.430 %  
 Correlation coefficient: 0.999520



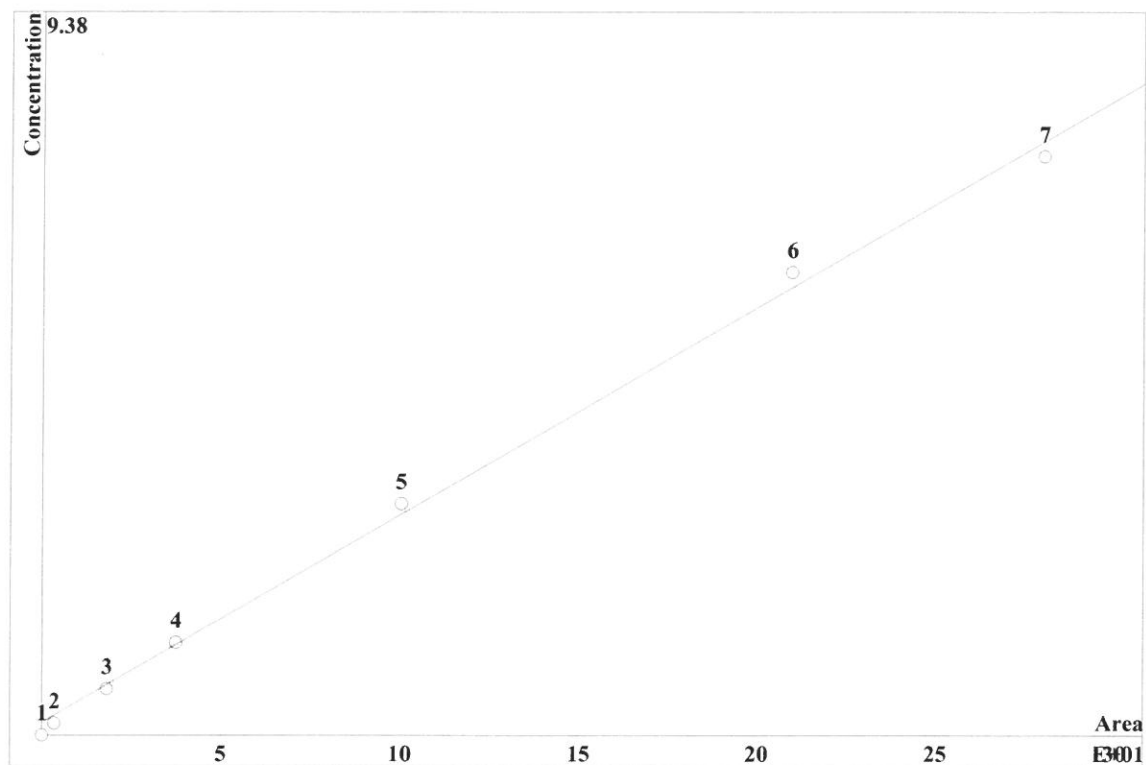
K3 = 0      K2 = 0      K1 = 1.28355      K0 = 1.66979

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     | 0.1108 | 2.125 | 0.15  | 20      | 8.411     |      | Yes  |
| 3     | 0.4252 | 8.442 | 0.6   | 20      | 8.411     |      | Yes  |
| 4     | 0.8603 | 17.15 | 1.2   | 20      | 8.411     |      | Yes  |
| 5     | 2.227  | 44.23 | 3     | 20      | 8.411     |      | Yes  |
| 6     | 4.658  | 90.19 | 6     | 20      | 8.411     |      | Yes  |
| 7     | 6.109  | 117.5 | 7.5   | 20      | 8.411     |      | Yes  |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 0.537616 \cdot A + 3.31852$   
 RSD: 5.403 %  
 Correlation coefficient: 0.998808

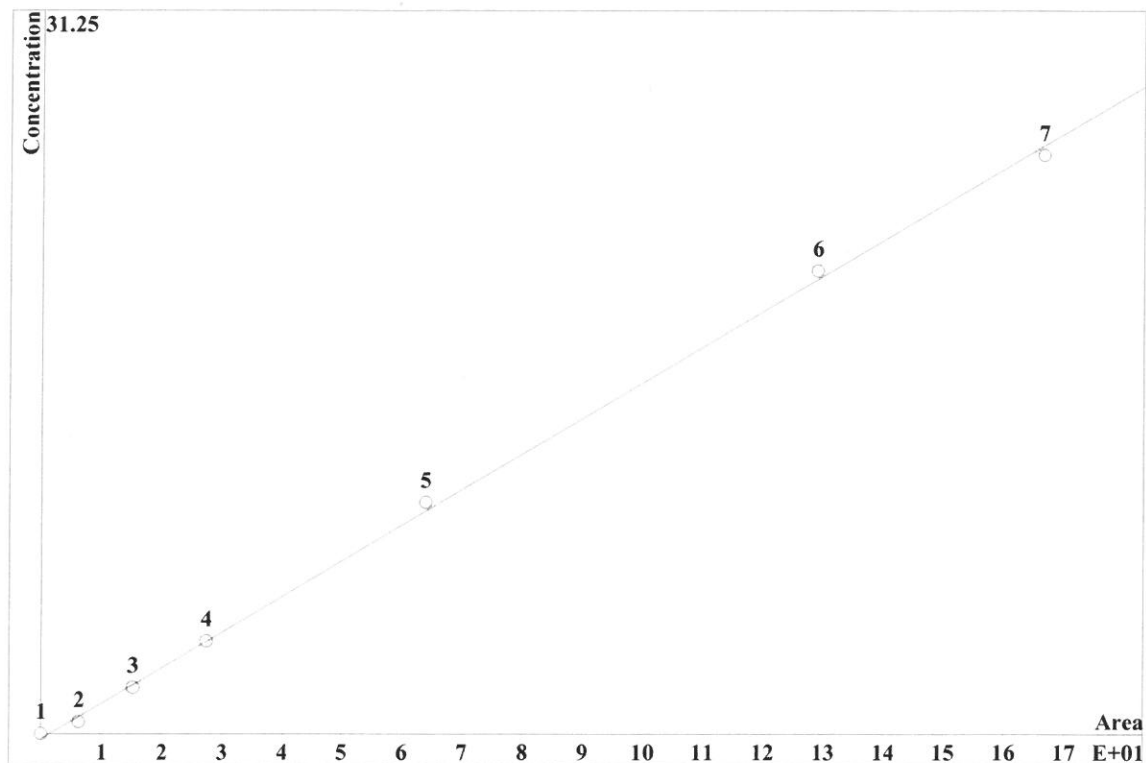


K3 = 0      K2 = 0      K1 = 0.537616      K0 = 3.31852  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         | No   |      |
| 2     | 0.1398 | 3.428 | 0.15  | 20      | 9.95      | Yes  |      |
| 3     | 0.8203 | 18.23 | 0.6   | 20      | 9.95      | Yes  |      |
| 4     | 1.712  | 37.47 | 1.2   | 20      | 9.95      | Yes  |      |
| 5     | 4.672  | 100.4 | 3     | 20      | 9.95      | Yes  |      |
| 6     | 9.834  | 209.7 | 6     | 20      | 9.95      | Yes  |      |
| 7     | 12.98  | 280.1 | 7.5   | 20      | 9.95      | Yes  |      |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 3.08015 \cdot A - 4.54022$   
 RSD: 3.505 %  
 Correlation coefficient: 0.999499



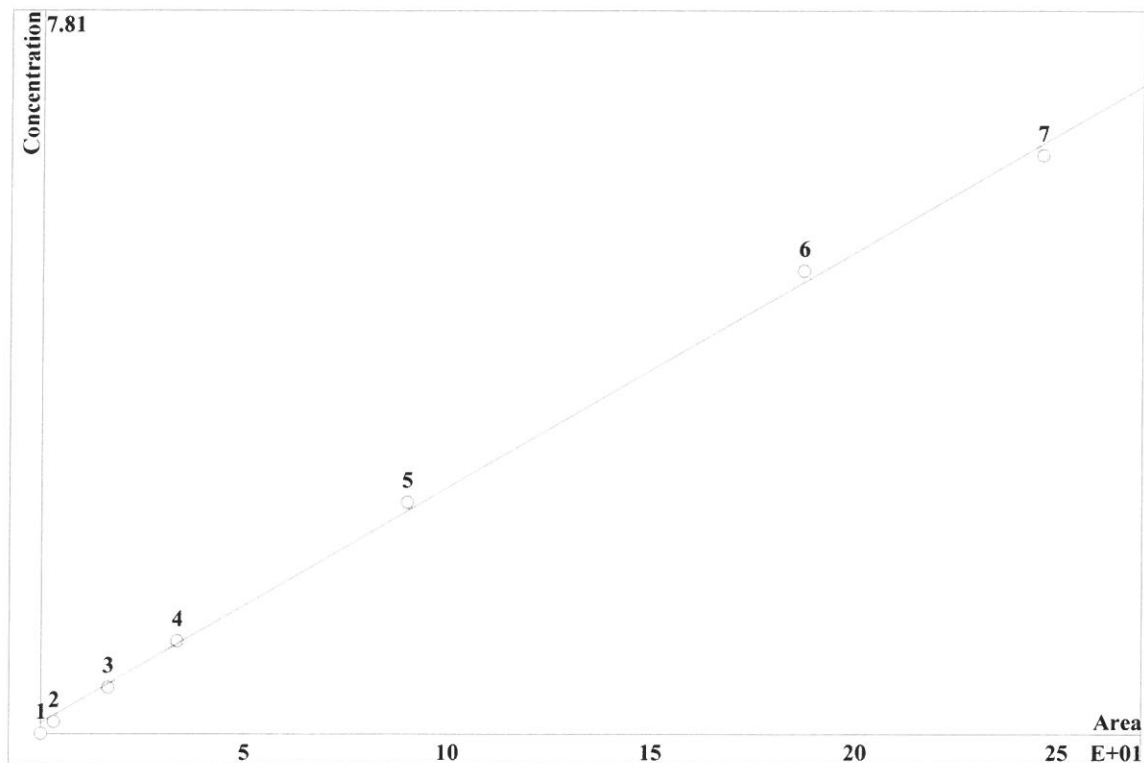
K3 = 0      K2 = 0      K1 = 3.08015      K0 = -4.54022

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     | 0.1484 | 6.248 | 0.5   | 20      | 12.61     | Yes  |      |
| 3     | 0.3357 | 15.21 | 2     | 20      | 12.61     | Yes  |      |
| 4     | 0.5662 | 27.32 | 4     | 20      | 12.61     | Yes  |      |
| 5     | 1.288  | 63.94 | 10    | 20      | 12.61     | Yes  |      |
| 6     | 2.701  | 129   | 20    | 20      | 12.61     | Yes  |      |
| 7     | 3.586  | 166.5 | 25    | 20      | 12.61     | Yes  |      |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 0.508352 \cdot A + 2.40188$   
 RSD: 4.254 %  
 Correlation coefficient: 0.999261



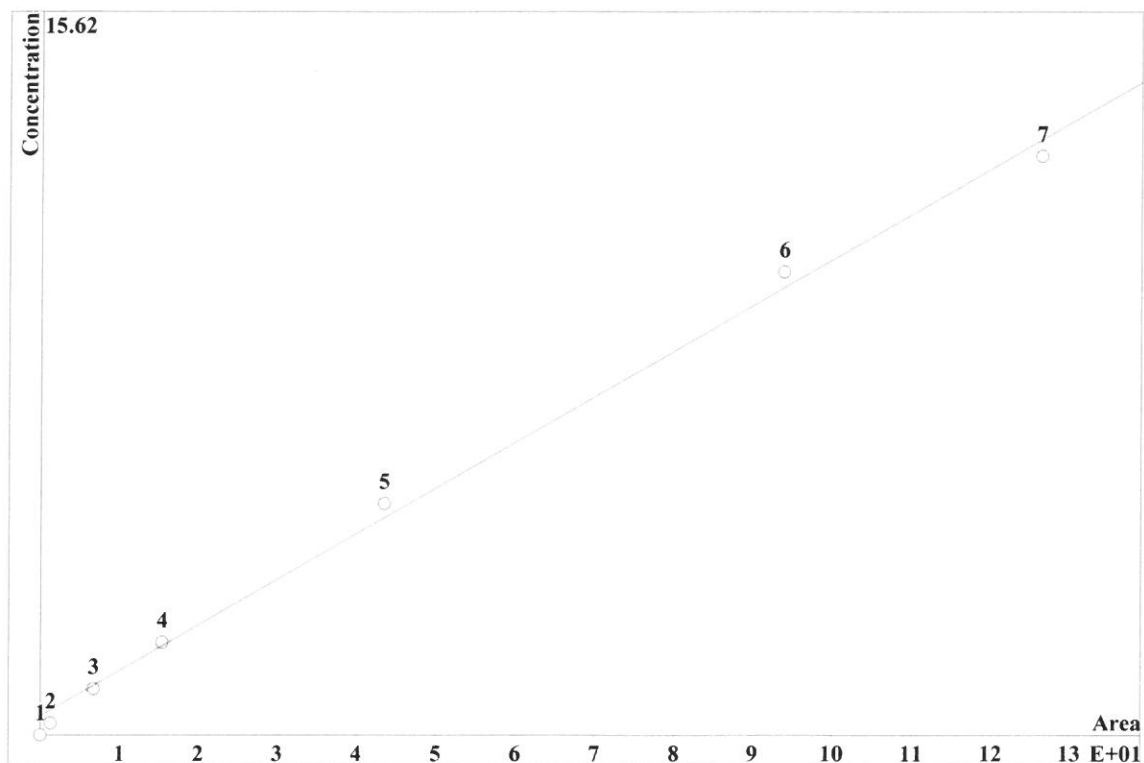
K3 = 0      K2 = 0      K1 = 0.508352      K0 = 2.40188

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     | 0.1163 | 3.186 | 0.125 | 20      | 14.11     | Yes  |      |
| 3     | 0.5871 | 16.51 | 0.5   | 20      | 14.11     | Yes  |      |
| 4     | 1.218  | 33.49 | 1     | 20      | 14.11     | Yes  |      |
| 5     | 3.212  | 90.02 | 2.5   | 20      | 14.11     | Yes  |      |
| 6     | 6.785  | 187.2 | 5     | 20      | 14.11     | Yes  |      |
| 7     | 8.873  | 246.1 | 6.25  | 20      | 14.11     | Yes  |      |

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 1.96974 \cdot A + 8.21608$   
 RSD: 6.361 %  
 Correlation coefficient: 0.998347



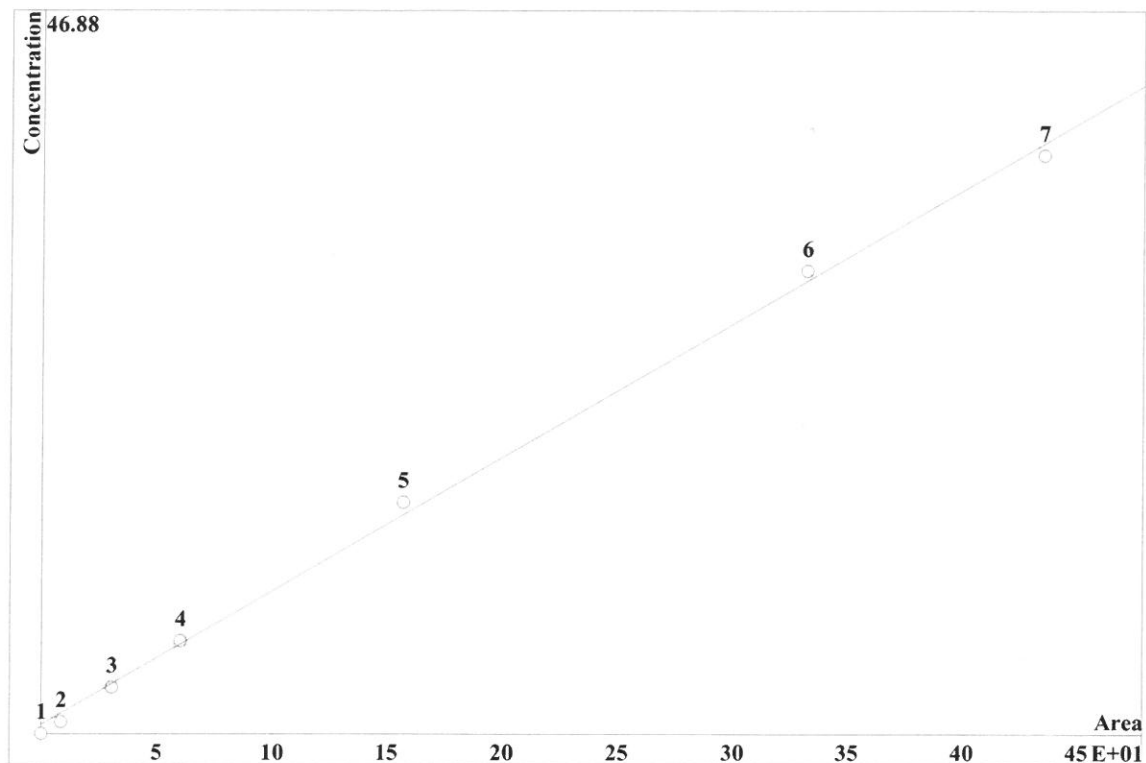
K3 = 0      K2 = 0      K1 = 1.96974      K0 = 8.21608

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     | 0.02808 | 1.252 | 0.25  | 20      | 20.8      | Yes  |      |
| 3     | 0.1271  | 6.701 | 1     | 20      | 20.8      | Yes  |      |
| 4     | 0.2938  | 15.42 | 2     | 20      | 20.8      | Yes  |      |
| 5     | 0.8465  | 43.5  | 5     | 20      | 20.8      | Yes  |      |
| 6     | 1.872   | 93.94 | 10    | 20      | 20.8      | Yes  |      |
| 7     | 2.548   | 126.4 | 12.5  | 20      | 20.8      | Yes  |      |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 08-11-17.mtw  
 Equation:  $Q = 1.73209 \cdot A + 11.8445$   
 RSD: 4.720 %  
 Correlation coefficient: 0.999090



K3 = 0      K2 = 0      K1 = 1.73209      K0 = 11.8445

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     | 0.1791 | 8.747 | 0.75  | 20      | 23.28     | Yes  |      |
| 3     | 0.6597 | 30.73 | 3     | 20      | 23.28     | Yes  |      |
| 4     | 1.327  | 60.27 | 6     | 20      | 23.28     | Yes  |      |
| 5     | 3.495  | 157.1 | 15    | 20      | 23.28     | Yes  |      |
| 6     | 7.508  | 332.2 | 30    | 20      | 23.28     | Yes  |      |
| 7     | 9.949  | 435.1 | 37.5  | 20      | 23.28     | Yes  |      |

Report date: 8/11/2017 3:09:44 PM  
Printed by: wet

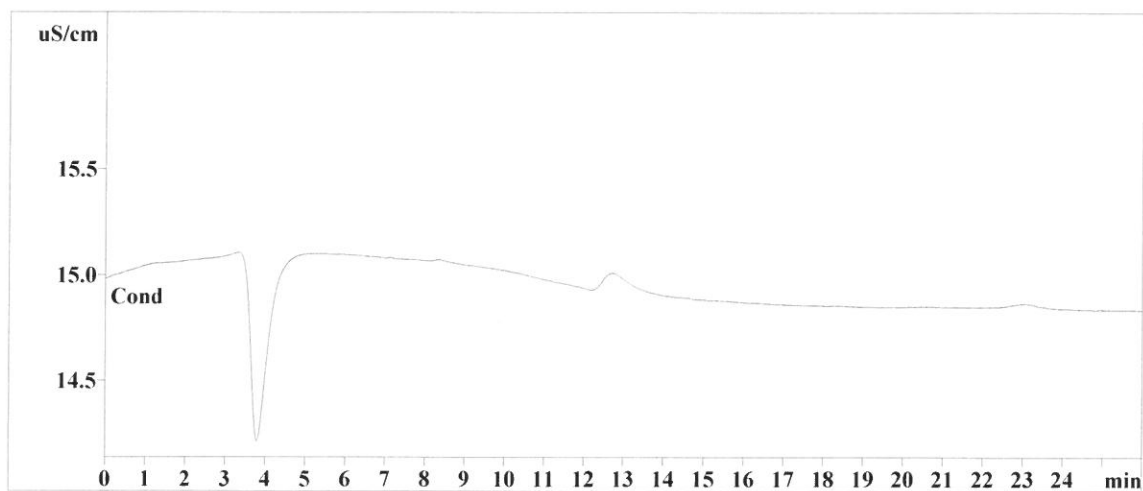
Ident: STD1  
Analysis from: 8/11/2017 10:27:45 AM  
File: \_2017-08-11\_

Last save: 8/11/2017 1:51:28 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58678

Last save: 8/11/2017 1:18:12 PM

SAMPLE:  
: AP/AK  
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: 8/11/2017 3:09:50 PM  
Printed by: wet

Ident: STD2  
Analysis from: 8/11/2017 10:56:40 AM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:09:22 PM

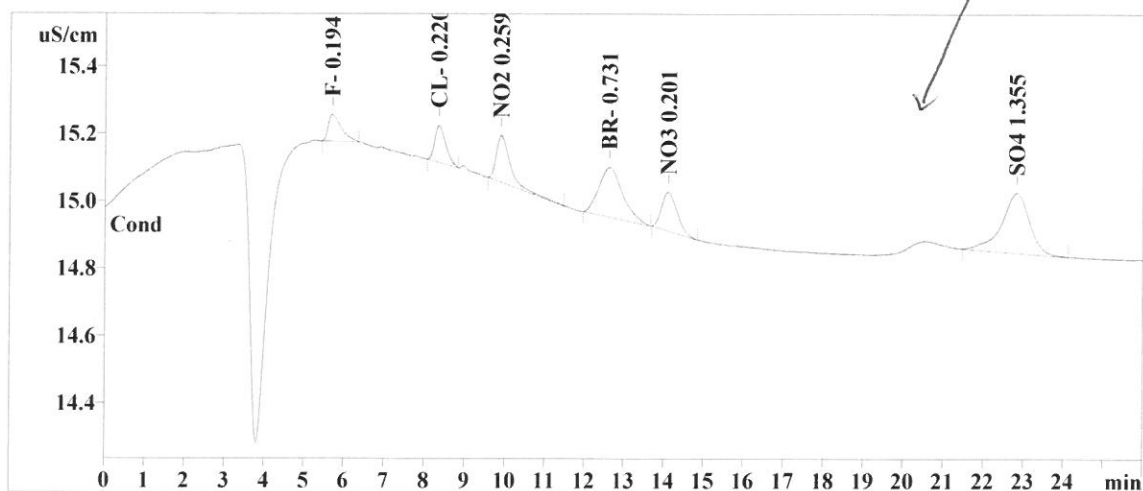
Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58679

Last save: 8/11/2017 1:18:12 PM

SAMPLE:

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

*Before*  
*Peak not*  
*integrated*  
*by software*  
*ad*  
*8/11/18*



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  | 5.70             | 0.362          | 0.08            | 10.33       | 1.888             | 7.37      | 0. |
| 2  | 8.35             | 0.300          | 0.11            | 14.20       | 2.125             | 8.29      | 0. |
| 3  | 9.90             | 0.345          | 0.14            | 17.97       | 3.428             | 13.38     | 0. |
| 4  | 12.63            | 0.642          | 0.15            | 19.04       | 6.248             | 24.39     | 0. |
| 5  | 14.11            | 0.432          | 0.12            | 14.94       | 3.186             | 12.43     | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 22.84            | 0.700          | 0.18            | 23.04       | 8.747             | 34.14     | 0. |
| 7  | 26.00            | 0.397          | 0.77            | 99.52       | 25.622            | 100.00    | 0. |

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Report date: 8/11/2017 3:10:16 PM  
Printed by: wet

Ident: STD2  
Analysis from: 8/11/2017 10:56:40 AM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:10:04 PM

Manual peaks!

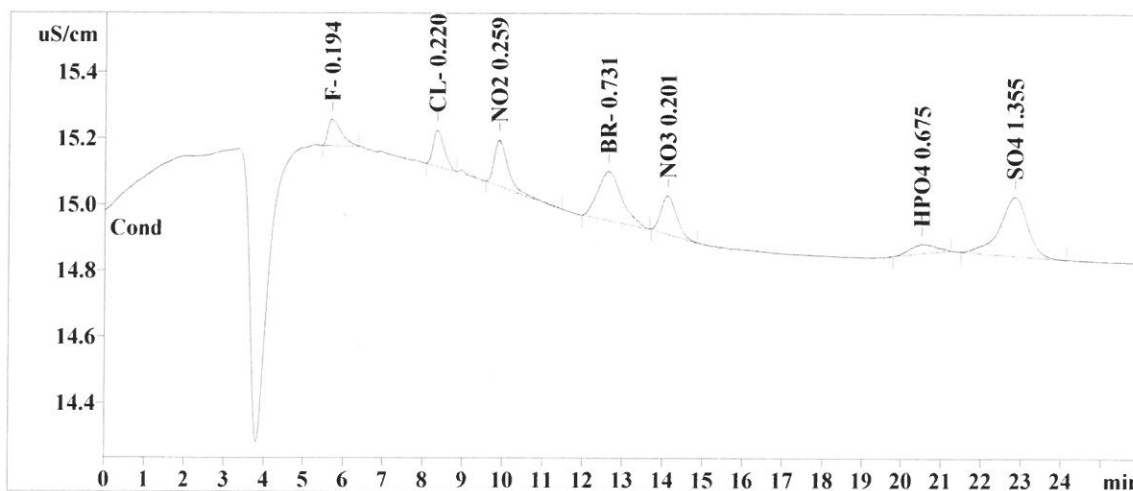
Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58679

Last save: 8/11/2017 1:18:12 PM

SAMPLE:

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

*After  
OK  
8/11/18*



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  | 5.70             | 0.362          | 0.08            | 9.97        | 1.888             | 7.03      | 0. |
| 2  | 8.35             | 0.300          | 0.11            | 13.71       | 2.125             | 7.91      | 0. |
| 3  | 9.90             | 0.345          | 0.14            | 17.34       | 3.428             | 12.76     | 0. |
| 4  | 12.63            | 0.642          | 0.15            | 18.38       | 6.248             | 23.25     | 0. |
| 5  | 14.11            | 0.432          | 0.12            | 14.42       | 3.186             | 11.85     | 0. |
| 6  | 20.49            | 0.736          | 0.03            | 3.46        | 1.252             | 4.66      | 0. |
| 7  | 22.84            | 0.700          | 0.18            | 22.23       | 8.747             | 32.55     | 0. |
| 7  | 26.00            | 0.502          | 0.80            | 99.50       | 26.873            | 100.00    | 0. |

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Report date: 8/14/2017 4:10:22 PM  
Printed by: wet

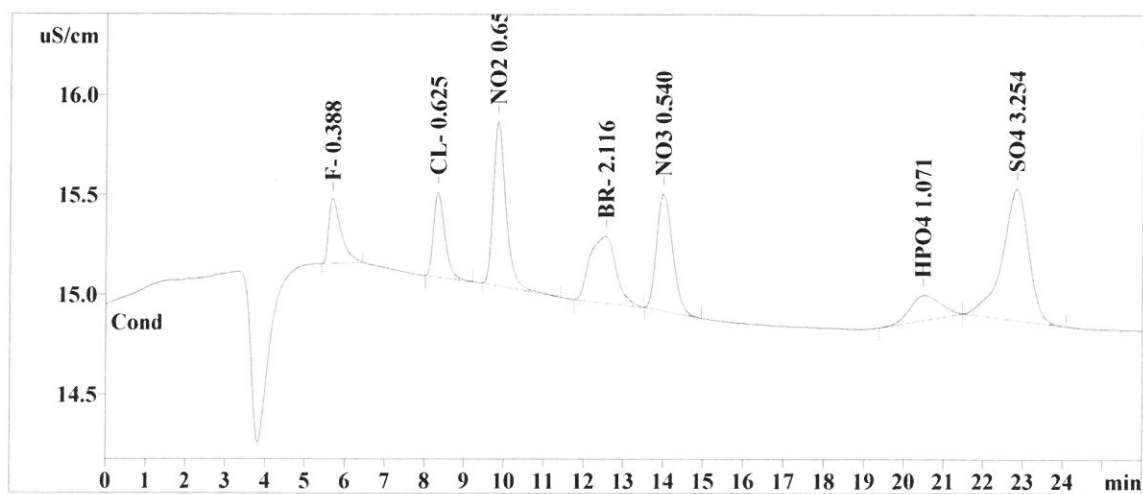
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Analysis from: 8/11/2017 11:25:36 AM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:10:34 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58680

Last save: 8/11/2017 1:18:12 PM

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  | 5.68             | 0.322          | 0.33            | 9.94        | 7.103             | 6.90      | 0. |
| 2  | 8.32             | 0.298          | 0.42            | 12.94       | 8.442             | 8.20      | 0. |
| 3  | 9.84             | 0.325          | 0.82            | 25.00       | 18.234            | 17.71     | 0. |
| 4  | 12.55            | 0.741          | 0.33            | 10.21       | 15.215            | 14.78     | 0. |
| 5  | 13.99            | 0.436          | 0.59            | 17.88       | 16.514            | 16.04     | 0. |
| 6  | 20.49            | 0.847          | 0.13            | 3.85        | 6.701             | 6.51      | 0. |
| 7  | 22.84            | 0.668          | 0.66            | 20.09       | 30.735            | 29.86     | 0. |
| 7  | 26.00            | 0.520          | 3.28            | 99.90       | 102.944           | 100.00    | 0. |

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Report date: 8/14/2017 4:10:32 PM  
Printed by: wet

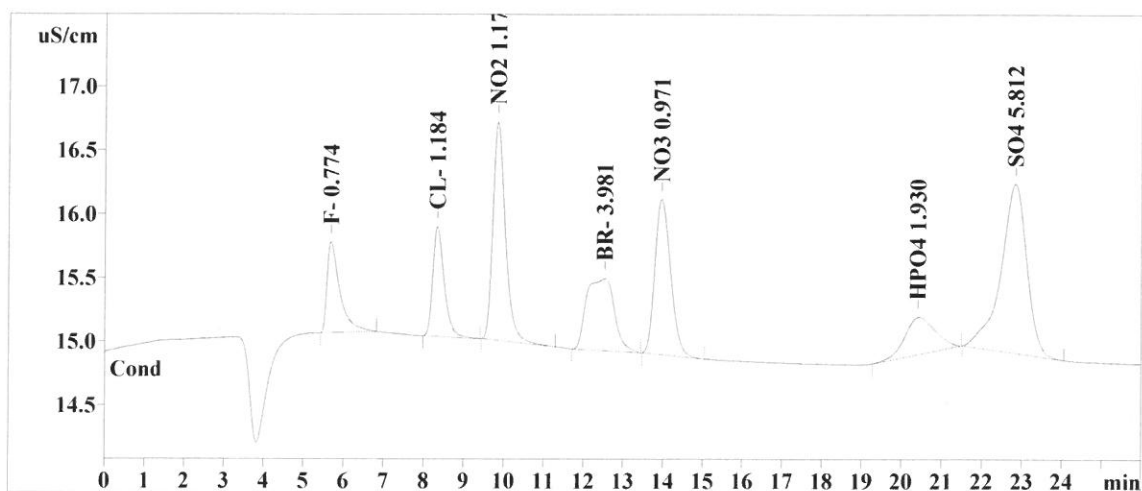
Ident: STD4  
Analysis from: 8/11/2017 11:54:31 AM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:10:34 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58681

Last save: 8/11/2017 1:18:12 PM

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  | 5.69             | 0.317          | 0.71            | 10.62       | 16.035            | 7.74      | 0. |
| 2  | 8.33             | 0.296          | 0.86            | 12.85       | 17.151            | 8.28      | 0. |
| 3  | 9.84             | 0.322          | 1.71            | 25.59       | 37.471            | 18.09     | 0. |
| 4  | 12.54            | 0.790          | 0.57            | 8.46        | 27.321            | 13.19     | 0. |
| 5  | 13.95            | 0.425          | 1.22            | 18.20       | 33.490            | 16.17     | 0. |
| 6  | 20.41            | 0.821          | 0.29            | 4.38        | 15.421            | 7.44      | 0. |
| 7  | 22.83            | 0.650          | 1.33            | 19.84       | 60.267            | 29.09     | 0. |
| 7  | 26.00            | 0.517          | 6.68            | 99.94       | 207.157           | 100.00    | 0. |

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Report date: 8/14/2017 4:10:39 PM  
Printed by: wet

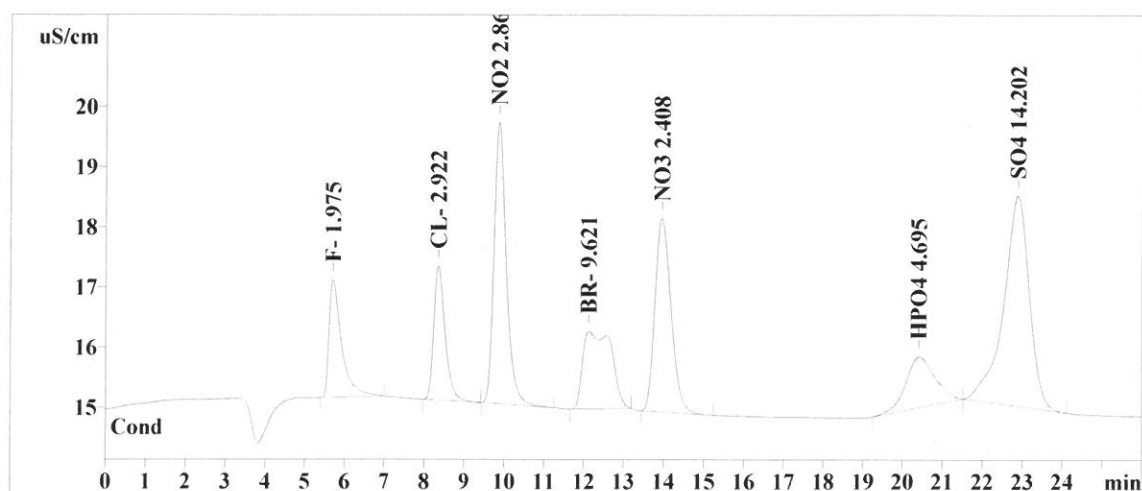
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Analysis from: 8/11/2017 12:23:27 PM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:10:36 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58682

Last save: 8/11/2017 1:18:12 PM

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  | 5.70             | 0.313          | 1.95            | 11.03       | 43.827            | 8.07      | 0. |
| 2  | 8.35             | 0.295          | 2.23            | 12.59       | 44.229            | 8.14      | 0. |
| 3  | 9.86             | 0.318          | 4.67            | 26.40       | 100.421           | 18.49     | 0. |
| 4  | 12.13            | 0.844          | 1.29            | 7.28        | 63.944            | 11.77     | 0. |
| 5  | 13.94            | 0.432          | 3.21            | 18.15       | 90.018            | 16.58     | 0. |
| 6  | 20.40            | 0.781          | 0.85            | 4.78        | 43.501            | 8.01      | 0. |
| 7  | 22.87            | 0.642          | 3.49            | 19.75       | 157.149           | 28.94     | 0. |
| 7  | 26.00            | 0.518          | 17.69           | 99.99       | 543.089           | 100.00    | 0. |

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Report date: 8/14/2017 4:10:46 PM  
Printed by: wet

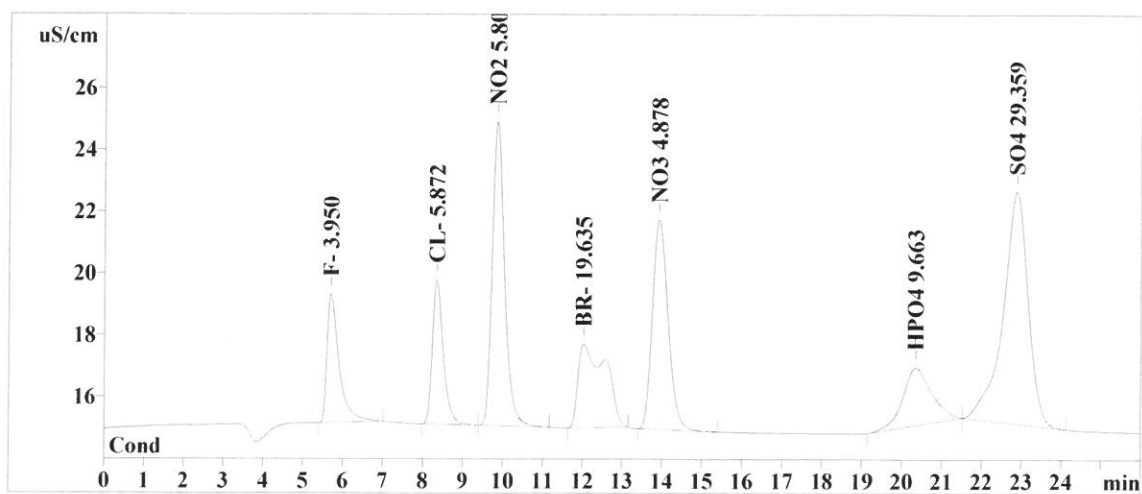
Ident: STD6  
Analysis from: 8/11/2017 12:52:22 PM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:10:36 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58683

Last save: 8/11/2017 1:18:12 PM

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  | 5.70             | 0.304          | 4.16            | 11.08       | 89.509            | 7.91      | 0. |
| 2  | 8.35             | 0.288          | 4.66            | 12.42       | 90.190            | 7.97      | 0. |
| 3  | 9.85             | 0.316          | 9.83            | 26.21       | 209.699           | 18.53     | 0. |
| 4  | 12.03            | 0.894          | 2.70            | 7.20        | 128.967           | 11.40     | 0. |
| 5  | 13.92            | 0.425          | 6.78            | 18.09       | 187.190           | 16.54     | 0. |
| 6  | 20.34            | 0.744          | 1.87            | 4.99        | 93.942            | 8.30      | 0. |
| 7  | 22.88            | 0.631          | 7.51            | 20.01       | 332.159           | 29.35     | 0. |
| 7  | 26.00            | 0.514          | 37.51           | 100.00      | 1131.655          | 100.00    | 0. |

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Report date: 8/14/2017 4:10:57 PM  
Printed by: wet

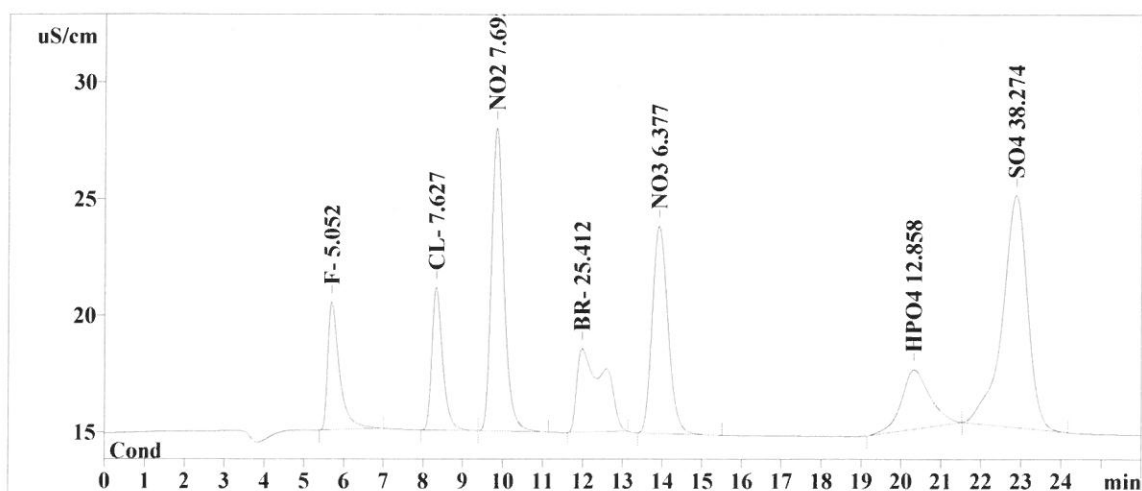
Ident: STD7  
Analysis from: 8/11/2017 1:21:18 PM  
File: \_2017-08-11\_

Last save: 8/11/2017 3:59:40 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58684

Last save: 8/11/2017 1:18:12 PM

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             | 0.299          | 5.46            | 11.04       | 115.013           | 7.74      | 0. |
| 2  | 8.33             | 0.286          | 6.11            | 12.34       | 117.543           | 7.91      | 0. |
| 3  | 9.84             | 0.321          | 12.98           | 26.22       | 280.075           | 18.84     | 0. |
| 4  | 11.98            | 0.919          | 3.59            | 7.24        | 166.480           | 11.20     | 0. |
| 5  | 13.90            | 0.427          | 8.87            | 17.92       | 246.149           | 16.56     | 0. |
| 6  | 20.31            | 0.728          | 2.55            | 5.15        | 126.380           | 8.50      | 0. |
| 7  | 22.87            | 0.624          | 9.95            | 20.09       | 435.100           | 29.27     | 0. |
| 7  | 26.00            | 0.515          | 49.51           | 100.00      | 1486.739          | 100.00    | 0. |

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Report date: 8/14/2017 4:11:41 PM  
Printed by: wet

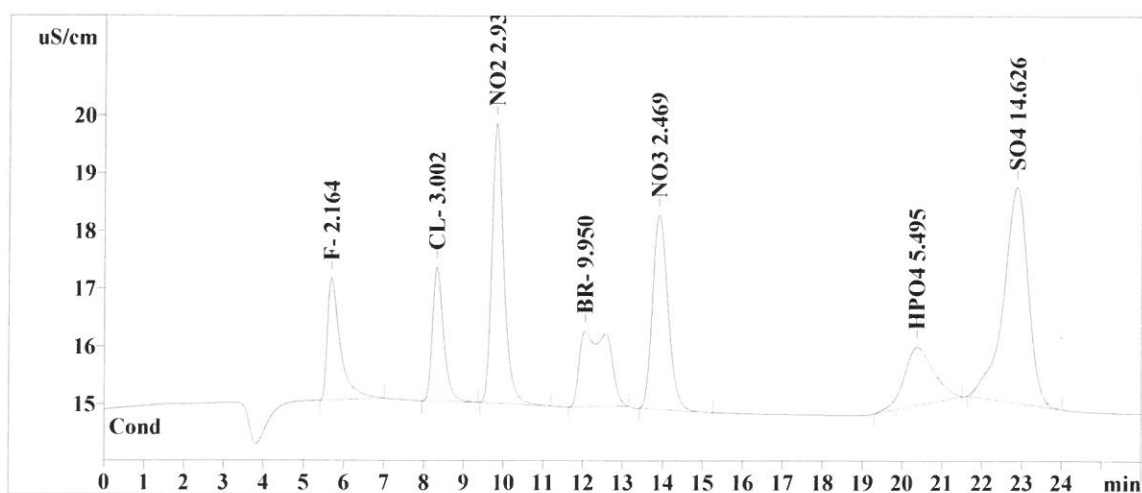
Ident: ICV  
Analysis from: 8/11/2017 2:48:04 PM  
File: \_2017-08-11\_

Last save: 8/11/2017 5:13:36 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58687

Last save: 8/11/2017 1:18:12 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  | 5.68             | 0.317          | 2.11            | 11.28       | 48.210            | 8.47      | 0. |
| 2  | 8.31             | 0.293          | 2.32            | 12.40       | 45.476            | 7.99      | 0. |
| 3  | 9.81             | 0.314          | 4.84            | 25.90       | 103.022           | 18.11     | 0. |
| 4  | 12.05            | 0.876          | 1.31            | 7.00        | 66.080            | 11.62     | 0. |
| 5  | 13.89            | 0.424          | 3.37            | 18.02       | 92.409            | 16.24     | 0. |
| 6  | 20.36            | 0.772          | 1.01            | 5.40        | 51.624            | 9.07      | 0. |
| 7  | 22.87            | 0.625          | 3.73            | 19.98       | 162.046           | 28.49     | 0. |
| 7  | 26.00            | 0.517          | 18.69           | 99.98       | 568.868           | 100.00    | 0. |

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Report date: 8/14/2017 4:12:03 PM  
Printed by: wet

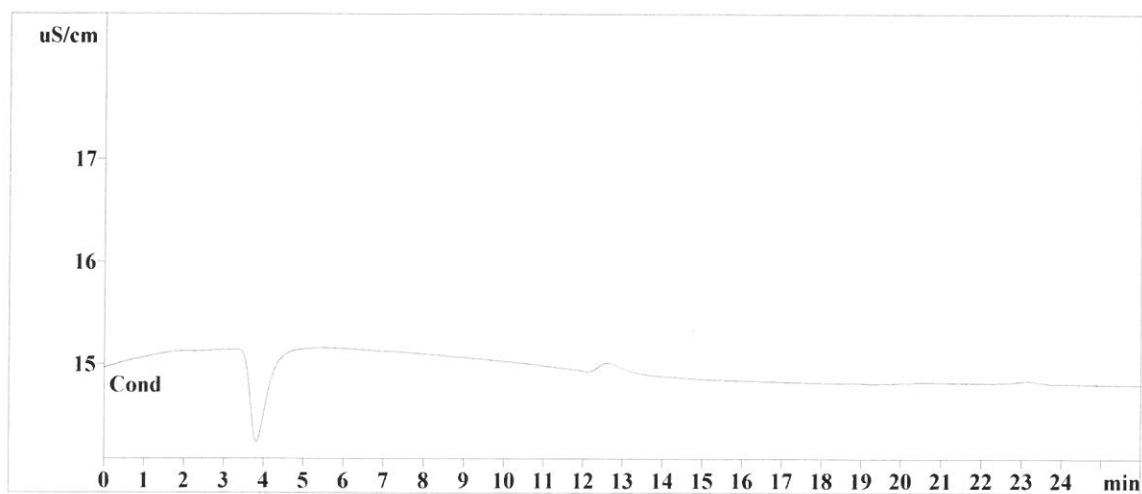
Ident: ICB  
Analysis from: 8/11/2017 3:16:59 PM  
File: \_2017-08-11\_

Last save: 8/14/2017 4:12:00 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58688

Last save: 8/11/2017 1:18:12 PM

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



Quantitation method: Custom

No peaks

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METROHM LTD

Report date: 8/15/2017 11:34:16 AM  
Printed by: wet

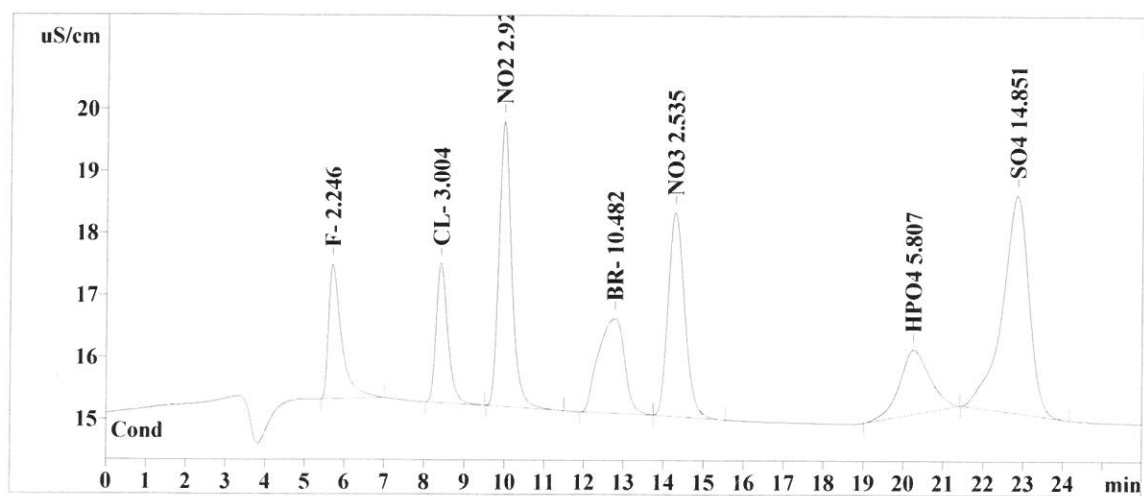
Ident: CCV  
Analysis from: 8/14/2017 4:31:53 PM  
File: \_2017-08-14\_

Last save: 8/14/2017 4:57:44 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58702

Last save: 8/11/2017 3:10:56 PM

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  | 5.69             | 0.324          | 2.16            | 11.77       | 50.089            | 8.60      | 0. |
| 2  | 8.40             | 0.303          | 2.25            | 12.23       | 45.502            | 7.81      | 0. |
| 3  | 9.97             | 0.331          | 4.60            | 25.01       | 102.709           | 17.64     | 0. |
| 4  | 12.77            | 0.762          | 1.53            | 8.32        | 69.535            | 11.94     | 0. |
| 5  | 14.27            | 0.446          | 3.28            | 17.87       | 95.025            | 16.32     | 0. |
| 6  | 20.24            | 0.784          | 1.04            | 5.66        | 54.795            | 9.41      | 0. |
| 7  | 22.84            | 0.668          | 3.52            | 19.13       | 164.641           | 28.27     | 0. |
| 7  | 26.00            | 0.517          | 18.37           | 99.99       | 582.297           | 100.00    | 0. |

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Report date: 8/15/2017 11:34:42 AM  
Printed by: wet

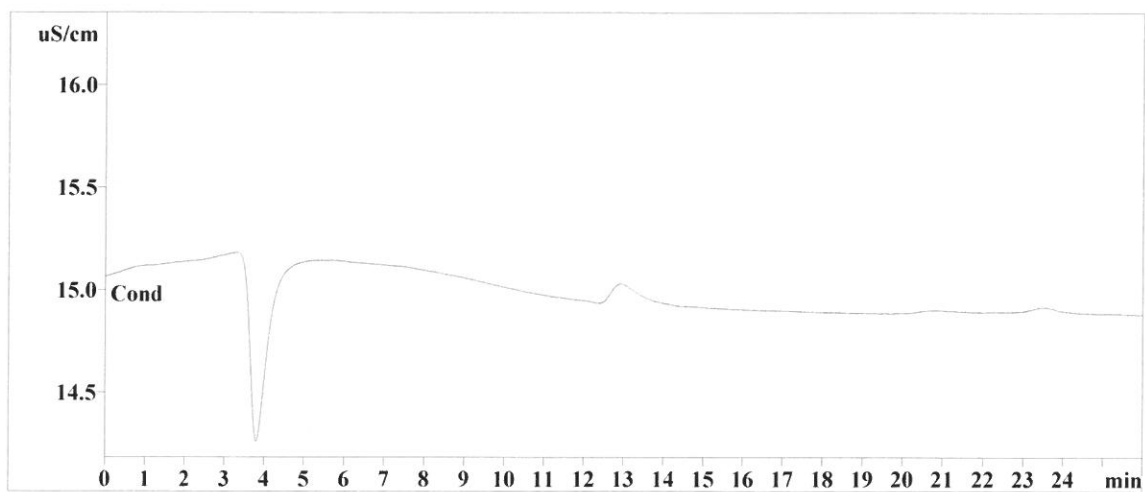
Ident: CCB  
Analysis from: 8/14/2017 5:00:49 PM  
File: \_2017-08-14\_

Last save: 8/15/2017 11:34:34 AM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58703

Last save: 8/11/2017 3:10:56 PM

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: 8/15/2017 11:35:22 AM  
Printed by: wet

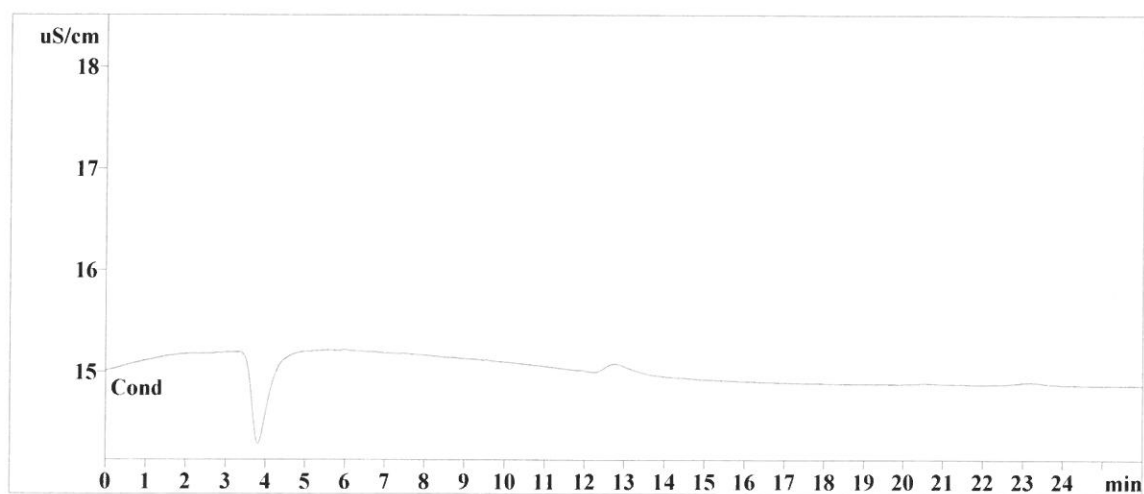
Ident: LB89462BLW  
Analysis from: 8/14/2017 5:29:45 PM  
File: \_2017-08-14\_

Last save: 8/15/2017 11:34:58 AM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58704

Last save: 8/11/2017 3:10:56 PM

SAMPLE:  
: AK/AP  
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: 8/15/2017 11:35:49 AM  
Printed by: wet

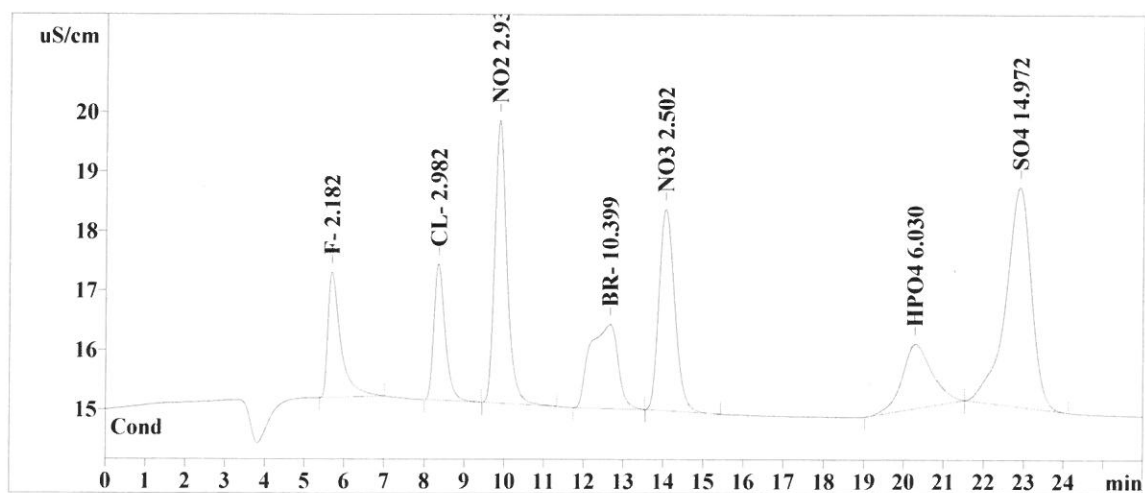
Ident: LB89462BSW  
Analysis from: 8/14/2017 5:58:40 PM  
File: \_2017-08-14\_

Last save: 8/14/2017 6:24:30 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58705

Last save: 8/11/2017 3:10:56 PM

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  | 5.68             | 0.321          | 2.11            | 11.24       | 48.607            | 8.34      | 0. |
| 2  | 8.34             | 0.295          | 2.29            | 12.22       | 45.169            | 7.75      | 0. |
| 3  | 9.87             | 0.320          | 4.75            | 25.37       | 103.167           | 17.70     | 0. |
| 4  | 12.66            | 0.844          | 1.42            | 7.57        | 68.996            | 11.84     | 0. |
| 5  | 14.04            | 0.427          | 3.39            | 18.07       | 93.715            | 16.08     | 0. |
| 6  | 20.28            | 0.776          | 1.09            | 5.80        | 57.052            | 9.79      | 0. |
| 7  | 22.89            | 0.644          | 3.69            | 19.72       | 166.044           | 28.49     | 0. |
| 7  | 26.00            | 0.518          | 18.73           | 99.98       | 582.750           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 8/15/2017 11:35:57 AM  
Printed by: wet

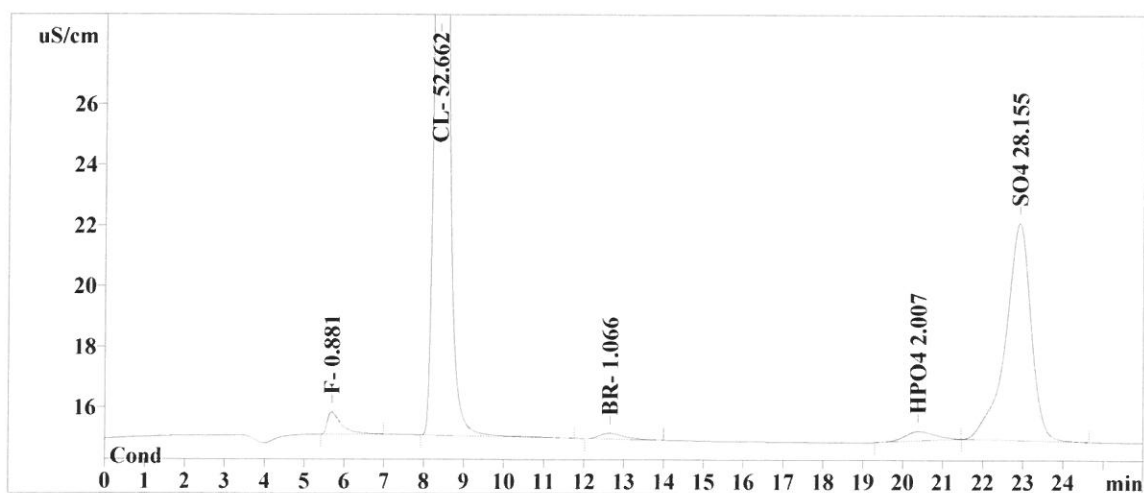
Ident: I4792-11  
Analysis from: 8/14/2017 6:27:35 PM  
File: \_2017-08-14\_

Last save: 8/14/2017 6:53:26 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58706

Last save: 8/11/2017 3:10:56 PM

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  | 5.68             | 0.355          | 0.73            | 1.45        | 18.514            | 1.57      | 0. |
| 2  | 8.37             | 0.287          | 42.32           | 83.45       | 819.276           | 69.39     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.64            | 0.647          | 0.19            | 0.38        | 8.395             | 0.71      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 20.38            | 0.808          | 0.31            | 0.61        | 16.207            | 1.37      | 0. |
| 7  | 22.90            | 0.631          | 7.16            | 14.11       | 318.265           | 26.96     | 0. |
| 7  | 26.00            | 0.390          | 50.72           | 100.00      | 1180.658          | 100.00    | 0. |

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Report date: 8/15/2017 11:36:05 AM  
Printed by: wet

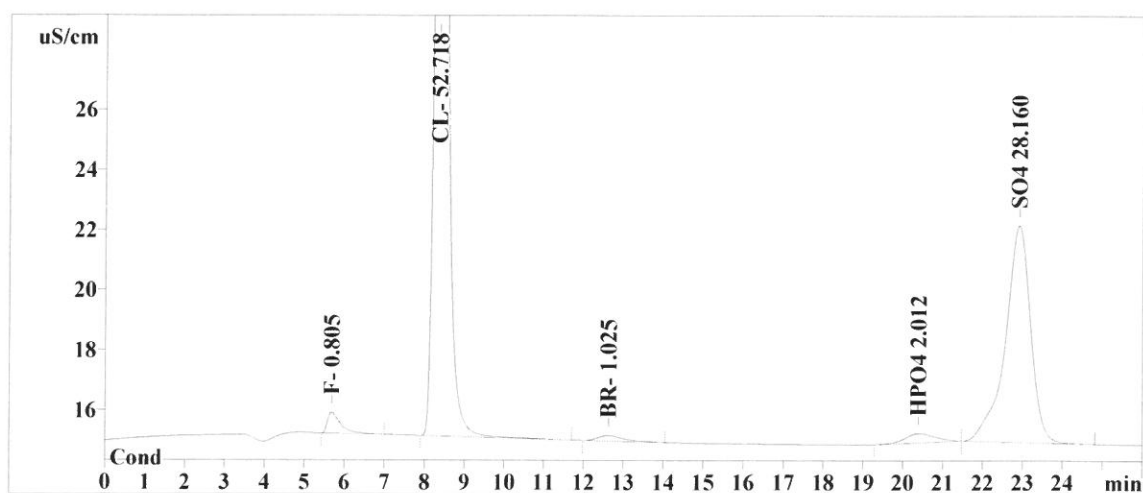
Ident: I4792-11DUP  
Analysis from: 8/14/2017 6:56:31 PM  
File: \_2017-08-14\_

Last save: 8/14/2017 7:22:20 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58707

Last save: 8/11/2017 3:10:56 PM

SAMPLE:  
: AK/AP  
Vial number: 7  
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  | 5.68             | 0.341          | 0.70            | 1.37        | 16.764            | 1.42      | 0. |
| 2  | 8.35             | 0.285          | 42.67           | 83.55       | 820.143           | 69.53     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.62            | 0.636          | 0.19            | 0.37        | 8.129             | 0.69      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 20.39            | 0.809          | 0.31            | 0.61        | 16.262            | 1.38      | 0. |
| 7  | 22.90            | 0.628          | 7.20            | 14.10       | 318.320           | 26.98     | 0. |
| 7  | 26.00            | 0.386          | 51.08           | 100.00      | 1179.619          | 100.00    | 0. |

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METROHM LTD

Report date: 8/15/2017 11:36:13 AM  
Printed by: wet

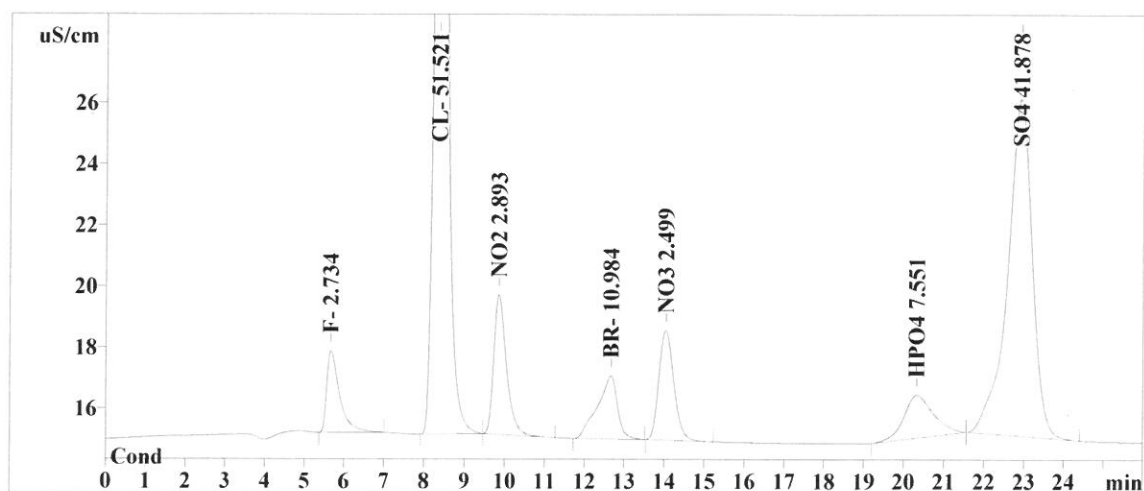
Ident: I4792-11MS  
Analysis from: 8/14/2017 7:25:26 PM  
File: \_2017-08-14\_

Last save: 8/14/2017 7:51:16 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58708

Last save: 8/11/2017 3:10:56 PM

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  | 5.67             | 0.330          | 2.67            | 3.96        | 61.395            | 3.65      | 0. |
| 2  | 8.35             | 0.285          | 41.96           | 62.36       | 801.493           | 47.71     | 0. |
| 3  | 9.85             | 0.328          | 4.57            | 6.79        | 101.444           | 6.04      | 0. |
| 4  | 12.66            | 0.524          | 2.06            | 3.06        | 72.796            | 4.33      | 0. |
| 5  | 14.03            | 0.402          | 3.58            | 5.33        | 93.605            | 5.57      | 0. |
| 6  | 20.32            | 0.765          | 1.41            | 2.09        | 72.502            | 4.32      | 0. |
| 7  | 22.90            | 0.619          | 11.03           | 16.40       | 476.710           | 28.38     | 0. |
| 7  | 26.00            | 0.465          | 67.29           | 100.00      | 1679.946          | 100.00    | 0. |

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METROHM LTD

Report date: 8/15/2017 11:36:19 AM  
Printed by: wet

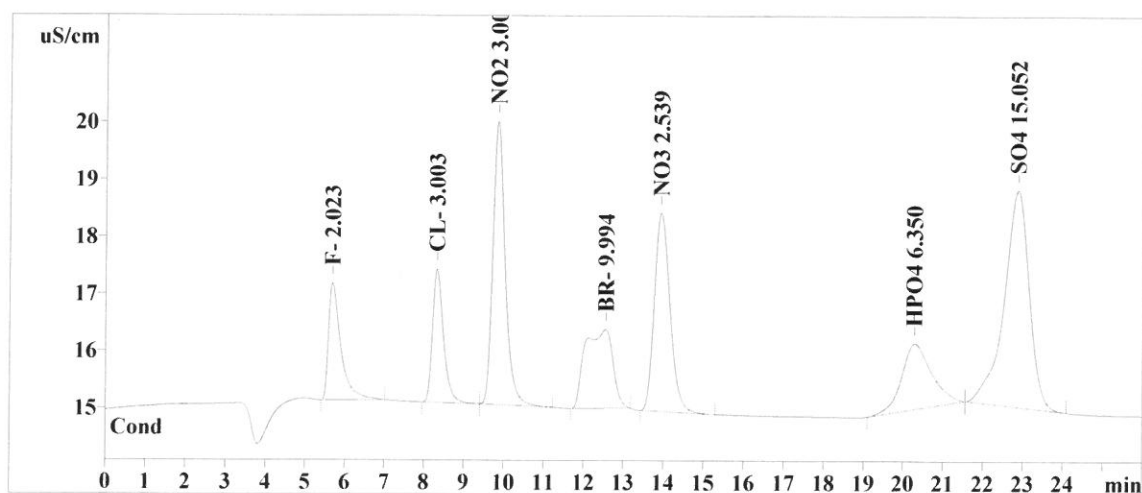
Ident: CCV  
Analysis from: 8/14/2017 7:54:22 PM  
File: \_2017-08-14\_

Last save: 8/14/2017 8:20:12 PM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58709

Last save: 8/11/2017 3:10:56 PM

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  | 5.68             | 0.310          | 2.04            | 10.70       | 44.932            | 7.68      | 0. |
| 2  | 8.32             | 0.291          | 2.33            | 12.20       | 45.489            | 7.78      | 0. |
| 3  | 9.83             | 0.316          | 4.95            | 25.90       | 105.781           | 18.08     | 0. |
| 4  | 12.55            | 0.830          | 1.38            | 7.21        | 66.365            | 11.34     | 0. |
| 5  | 13.92            | 0.423          | 3.46            | 18.14       | 95.159            | 16.27     | 0. |
| 6  | 20.28            | 0.775          | 1.15            | 6.02        | 60.308            | 10.31     | 0. |
| 7  | 22.86            | 0.637          | 3.79            | 19.82       | 166.959           | 28.54     | 0. |
| 7  | 26.00            | 0.512          | 19.10           | 99.99       | 584.992           | 100.00    | 0. |

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METROHM LTD

Report date: 8/15/2017 11:36:26 AM  
Printed by: wet

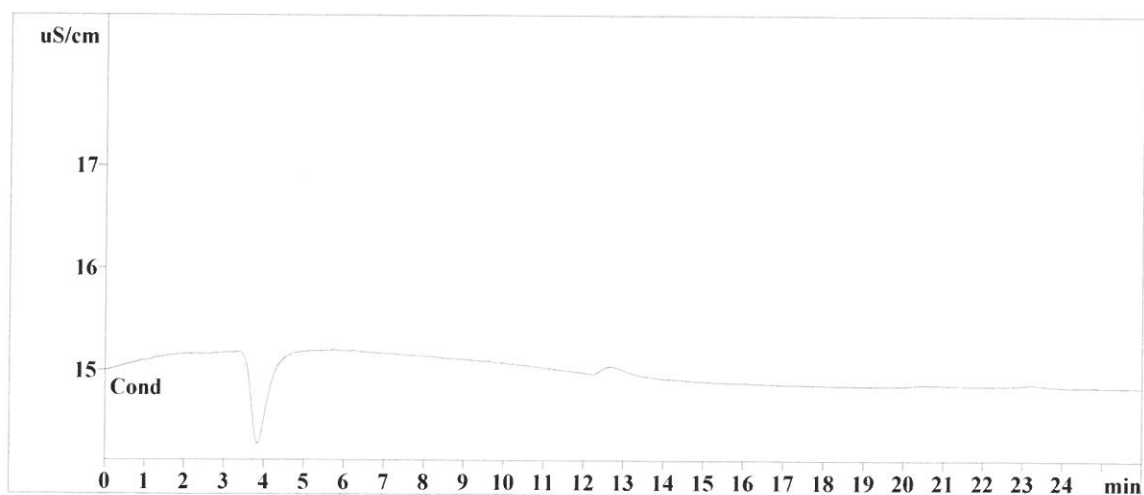
Ident: CCB  
Analysis from: 8/14/2017 8:23:17 PM  
File: \_2017-08-14\_

Last save: 8/15/2017 11:34:36 AM

Method: ANIONS 08-11-17.mtw  
Run operator: wet  
Analysis number: 58710

Last save: 8/11/2017 3:10:56 PM

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