

300.0  
 20-1  
 2-16-18

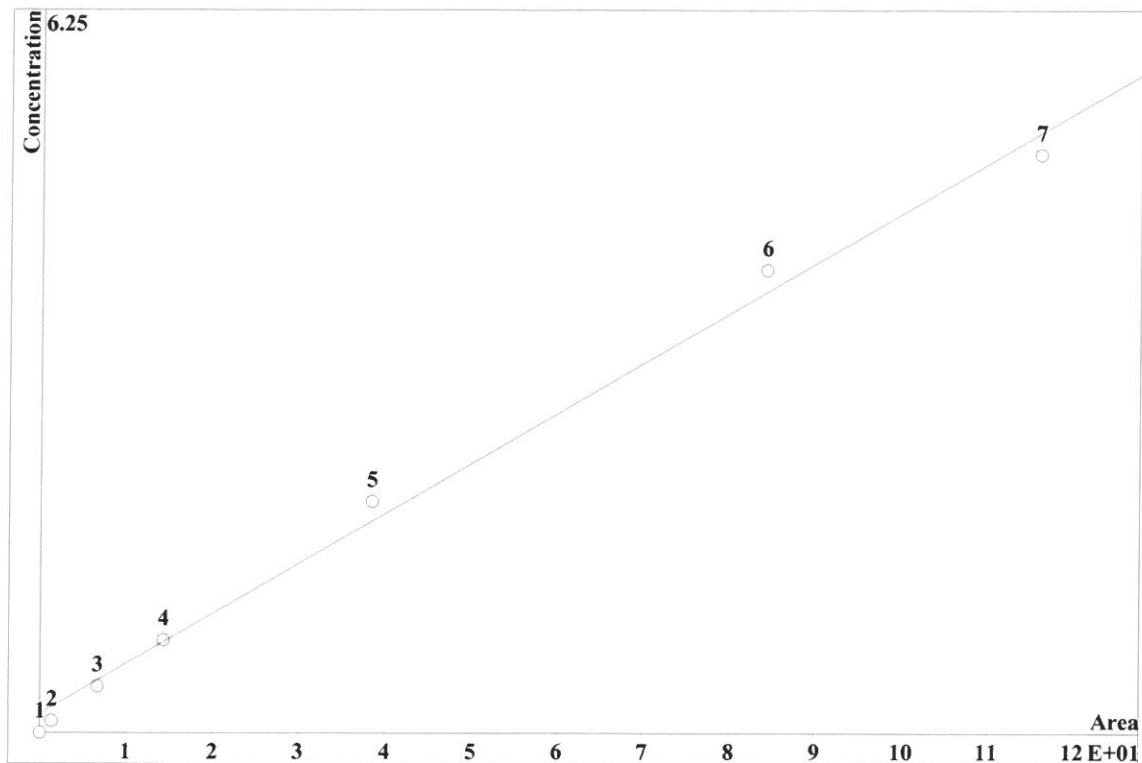
Clear table

| 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                | _2018-01-09_ | 1/9/18 12:09 |
| STD2       | 0.1660               | 0.2120                | 0.2250                | 0.7940                | 0.2070                | -0.0930                | 1.3540                | _2018-01-09_ | 1/9/18 12:40 |
| STD3       | 0.3880               | 0.6080                | 0.6160                | 2.0890                | 0.5330                | 0.9880                 | 3.1130                | _2018-01-09_ | 1/9/18 13:11 |
| STD4       | 0.7380               | 1.1810                | 1.1890                | 3.9420                | 0.9760                | 2.1650                 | 5.5560                | _2018-01-09_ | 1/9/18 13:42 |
| STD5       | 1.7890               | 2.8320                | 2.8080                | 9.3340                | 2.3060                | 4.9990                 | 13.0650               | _2018-01-09_ | 1/9/18 14:13 |
| STD6       | 3.8580               | 5.8310                | 5.8960                | 19.3940               | 4.8460                | 9.3770                 | 27.6040               | _2018-01-09_ | 1/9/18 14:44 |
| STD7       | 5.1890               | 7.7580                | 7.6570                | 25.5600               | 6.4020                | 12.4120                | 38.5060               | _2018-01-09_ | 1/9/18 15:15 |
| ICV        | 2.0260               | 2.9550                | 3.0120                | 9.8840                | 2.4630                | 5.4030                 | 14.7440               | _2018-01-09_ | 1/9/18 16:48 |
| ICB        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-01-09_ | 1/9/18 17:18 |
| CCV        | 2.0000               | 3.1410                | 2.9660                | 10.0500               | 2.4640                | 4.9850                 | 14.7220               | _2018-01-19_ | 1/9/18 10:35 |
| CCB        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-01-19_ | 1/9/18 11:14 |
| LB93336BLW | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-01-19_ | 1/9/18 11:45 |
| LB93336BSW | 1.8920               | 2.9700                | 2.8820                | 9.5720                | 2.3860                | 5.3340                 | 14.6230               | _2018-01-19_ | 1/9/18 12:16 |
| J1192-33   | 0.0000               | 0.0000                | 1.3940                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-01-19_ | 1/9/18 15:27 |
| CCV        | 2.1170               | 3.0540                | 2.9480                | 9.8690                | 2.4540                | 5.6580                 | 14.7100               | _2018-01-19_ | 1/9/18 17:30 |
| CCB        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-01-19_ | 1/9/18 18:01 |

IC-1 Cal  
1-9-18  
AK

# CALIBRATION OF COMPONENT F-

Method: ANIONS 01-09-18.mtw  
Equation:  $Q = 0.865253 \cdot A + 3.32613$   
RSD: 8.391 %  
Correlation coefficient: 0.997123

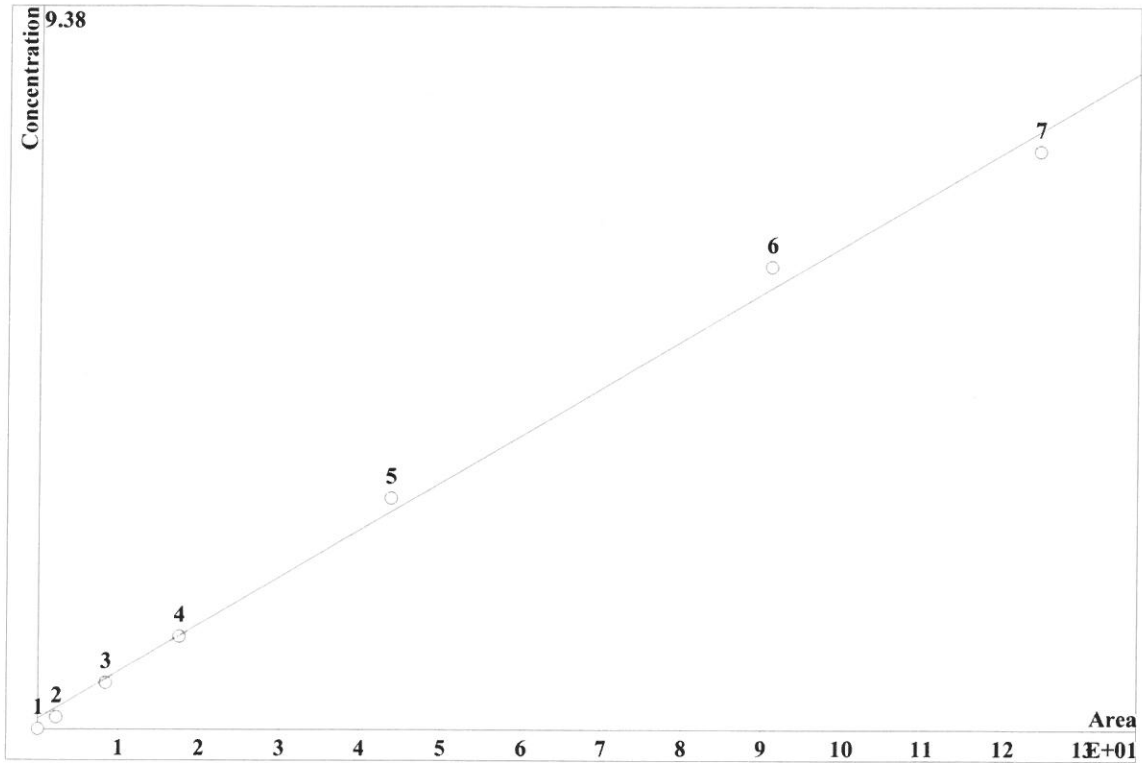


K3 = 0      K2 = 0      K1 = 0.865253      K0 = 3.32613  
Base: Area  
Ref.channel: Cond  
ISTD:  
Formula: Linear  
Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.0766 | 1.337 | 0.1   | 20      | 5.921     | Yes  |      | Yes |
| 3     | 0.3686 | 6.688 | 0.4   | 20      | 5.921     | Yes  |      | Yes |
| 4     | 0.8104 | 14.36 | 0.8   | 20      | 5.921     | Yes  |      | Yes |
| 5     | 2.285  | 38.49 | 2     | 20      | 5.921     | Yes  |      | Yes |
| 6     | 5.011  | 84.26 | 4     | 20      | 5.921     | Yes  |      | Yes |
| 7     | 6.577  | 116.1 | 5     | 20      | 5.921     | Yes  |      | Yes |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 01-09-18.mtw  
 Equation:  $Q = 1.22609 \cdot A + 2.78279$   
 RSD: 7.158 %  
 Correlation coefficient: 0.997907

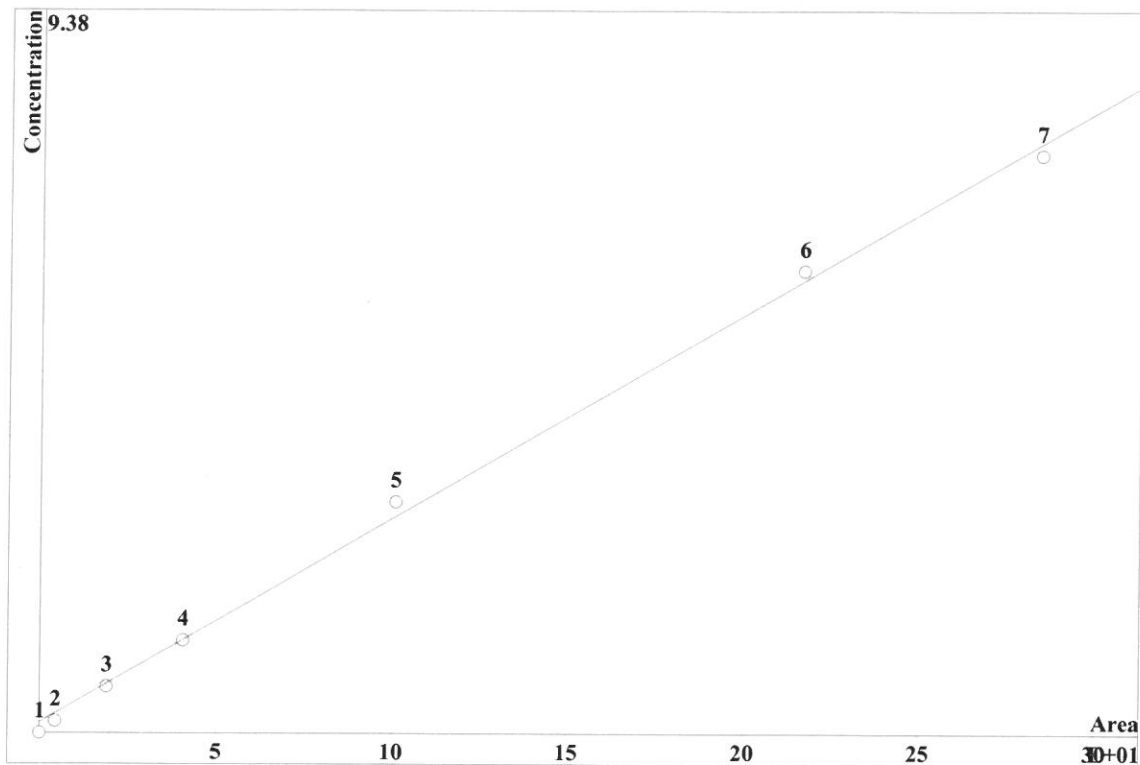


K3 = 0      K2 = 0      K1 = 1.22609      K0 = 2.78279  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.1306 | 2.234 | 0.15  | 20      | 8.982     |      |      | Yes |
| 3     | 0.5148 | 8.446 | 0.6   | 20      | 8.982     |      |      | Yes |
| 4     | 1.055  | 17.52 | 1.2   | 20      | 8.982     |      |      | Yes |
| 5     | 2.696  | 43.8  | 3     | 20      | 8.982     |      |      | Yes |
| 6     | 5.668  | 91.07 | 6     | 20      | 8.982     |      |      | Yes |
| 7     | 7.498  | 124.3 | 7.5   | 20      | 8.982     |      |      | Yes |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 01-09-18.mtw  
 Equation:  $Q = 0.528875 \cdot A + 2.77123$   
 RSD: 4.862 %  
 Correlation coefficient: 0.999035

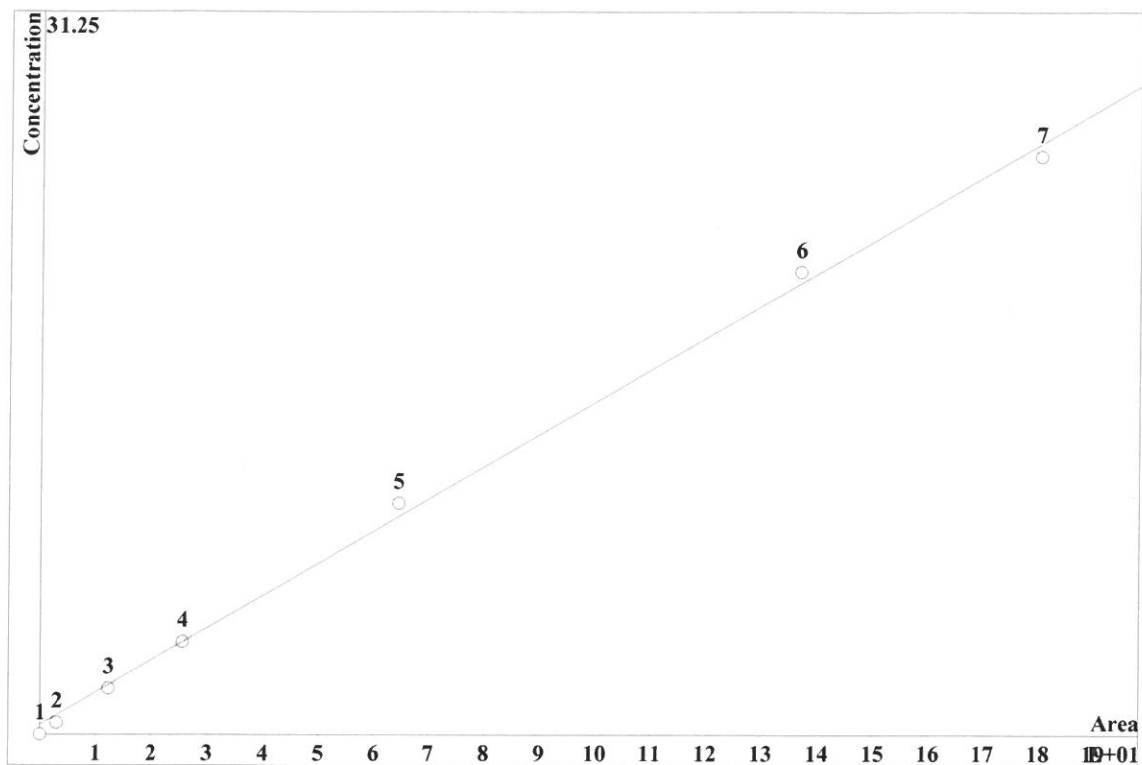


K3 = 0      K2 = 0      K1 = 0.528875      K0 = 2.77123  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.2277 | 4.437 | 0.15  | 20      | 10.72     |      |      | Yes |
| 3     | 0.9898 | 19.04 | 0.6   | 20      | 10.72     |      |      | Yes |
| 4     | 2.054  | 40.53 | 1.2   | 20      | 10.72     |      |      | Yes |
| 5     | 5.295  | 101   | 3     | 20      | 10.72     |      |      | Yes |
| 6     | 11.06  | 216.9 | 6     | 20      | 10.72     |      |      | Yes |
| 7     | 14.37  | 284.3 | 7.5   | 20      | 10.72     |      |      | Yes |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 01-09-18.mtw  
 Equation:  $Q = 2.78796 \cdot A + 8.78242$   
 RSD: 4.933 %  
 Correlation coefficient: 0.999006



K3 = 0      K2 = 0      K1 = 2.78796      K0 = 8.78242

Base: Area

Ref.channel: Cond

ISTD:

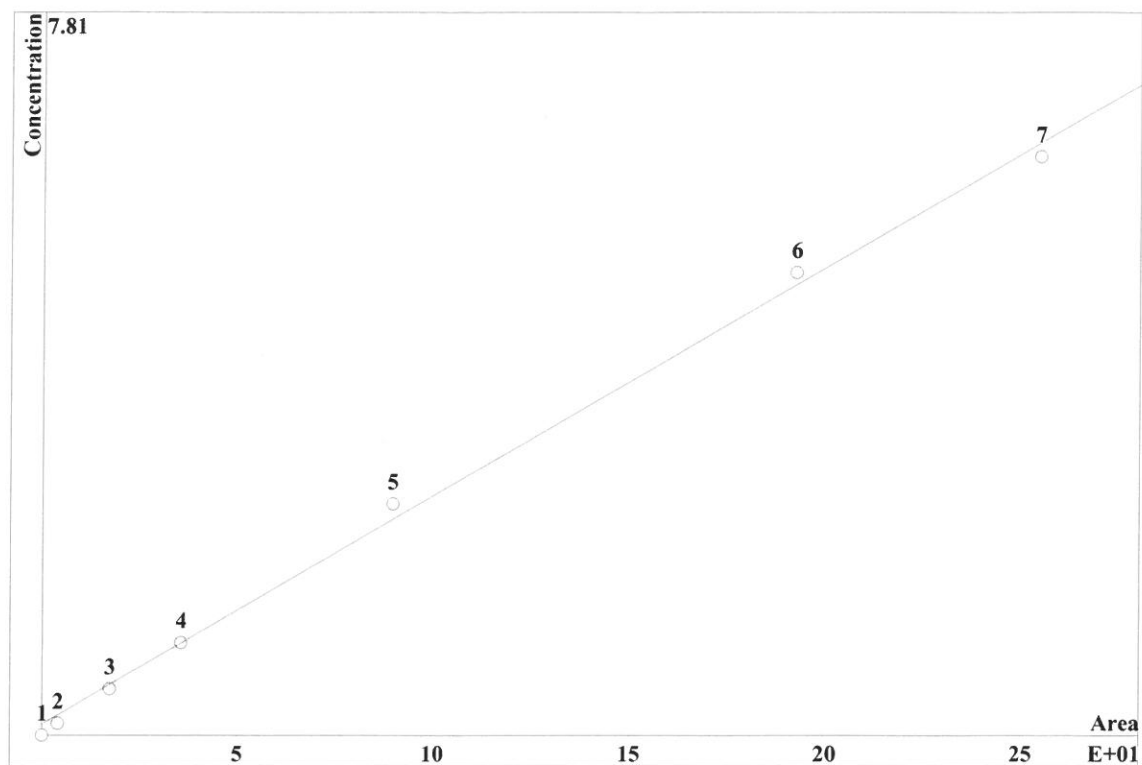
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      |
| 2     | 0.1503 | 2.896 | 0.5   | 20      | 13.6      | Yes  |      |
| 3     | 0.6345 | 12.29 | 2     | 20      | 13.6      | Yes  |      |
| 4     | 1.33   | 25.59 | 4     | 20      | 13.6      | Yes  |      |
| 5     | 3.484  | 64.49 | 10    | 20      | 13.6      | Yes  |      |
| 6     | 7.314  | 136.8 | 20    | 20      | 13.6      | Yes  |      |
| 7     | 9.625  | 180.2 | 25    | 20      | 13.6      | Yes  |      |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 01-09-18.mtw  
 Equation:  $Q = 0.49287 \cdot A + 2.43944$   
 RSD: 5.457 %  
 Correlation coefficient: 0.998784

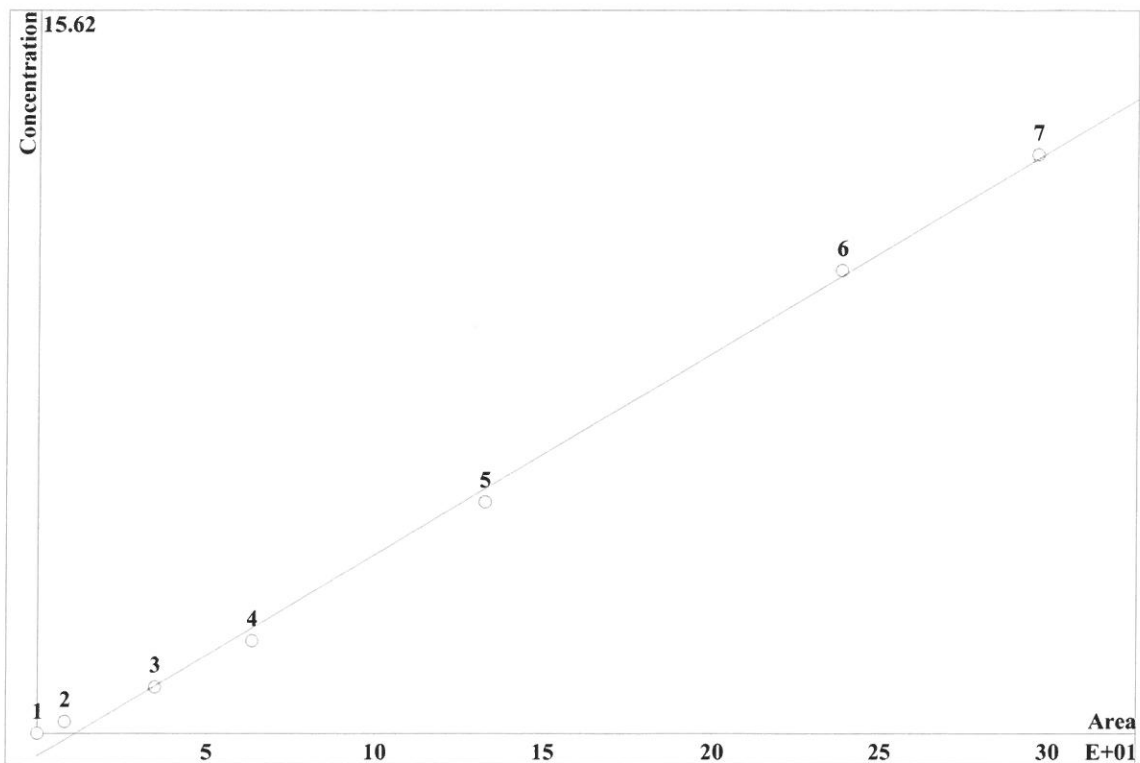


K3 = 0      K2 = 0      K1 = 0.49287      K0 = 2.43944  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |    |
|-------|--------|-------|-------|---------|-----------|------|------|----|
| 1     | 0      |       | 0     | 0       | 0         |      | 0    | No |
| 2     | 0.1766 | 3.98  | 0.125 | 20      | 15.49     | Yes  |      |    |
| 3     | 0.7693 | 17.39 | 0.5   | 20      | 15.49     | Yes  |      |    |
| 4     | 1.608  | 35.48 | 1     | 20      | 15.49     | Yes  |      |    |
| 5     | 4.242  | 89.87 | 2.5   | 20      | 15.49     | Yes  |      |    |
| 6     | 9.115  | 192.7 | 5     | 20      | 15.49     | Yes  |      |    |
| 7     | 12.19  | 254.8 | 6.25  | 20      | 15.49     | Yes  |      |    |

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 01-09-18.mtw  
 Equation:  $Q = 0.869476 \cdot A - 9.63248$   
 RSD: 5.661 %  
 Correlation coefficient: 0.998691

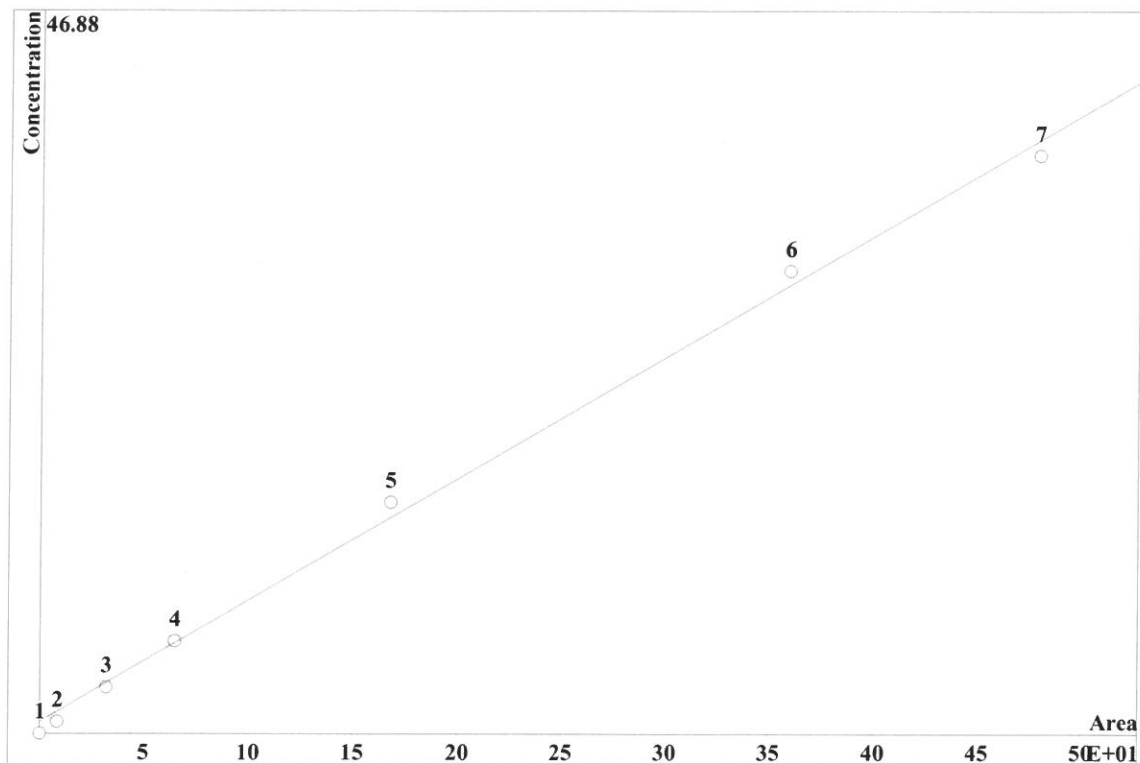


K3 = 0      K2 = 0      K1 = 0.869476      K0 = -9.63248  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         | No   |      |
| 2     | 0.1969 | 7.867 | 0.25  | 20      | 22.72     | Yes  |      |
| 3     | 0.8415 | 34.68 | 1     | 20      | 22.72     | Yes  |      |
| 4     | 1.57   | 63.47 | 2     | 20      | 22.72     | Yes  |      |
| 5     | 3.489  | 132.8 | 5     | 20      | 22.72     | Yes  |      |
| 6     | 6.655  | 238.4 | 10    | 20      | 22.72     | Yes  |      |
| 7     | 8.553  | 296.6 | 12.5  | 20      | 22.72     | Yes  |      |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 01-09-18.mtw  
 Equation:  $Q = 1.5738 \cdot A + 15.6978$   
 RSD: 5.979 %  
 Correlation coefficient: 0.998540



K3 = 0      K2 = 0      K1 = 1.5738      K0 = 15.6978

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 | 0.263 | 8.206 | 0.75 | 20 | 25.7 | Yes |
| 3 | 1.043 | 32.09 | 3    | 20 | 25.7 | Yes |
| 4 | 2.153 | 64.97 | 6    | 20 | 25.7 | Yes |
| 5 | 5.656 | 168   | 15   | 20 | 25.7 | Yes |
| 6 | 12.21 | 359.8 | 30   | 20 | 25.7 | Yes |
| 7 | 16.26 | 479.4 | 37.5 | 20 | 25.7 | Yes |



Report date: 1/10/2018 2:00:18 PM  
Printed by: wet

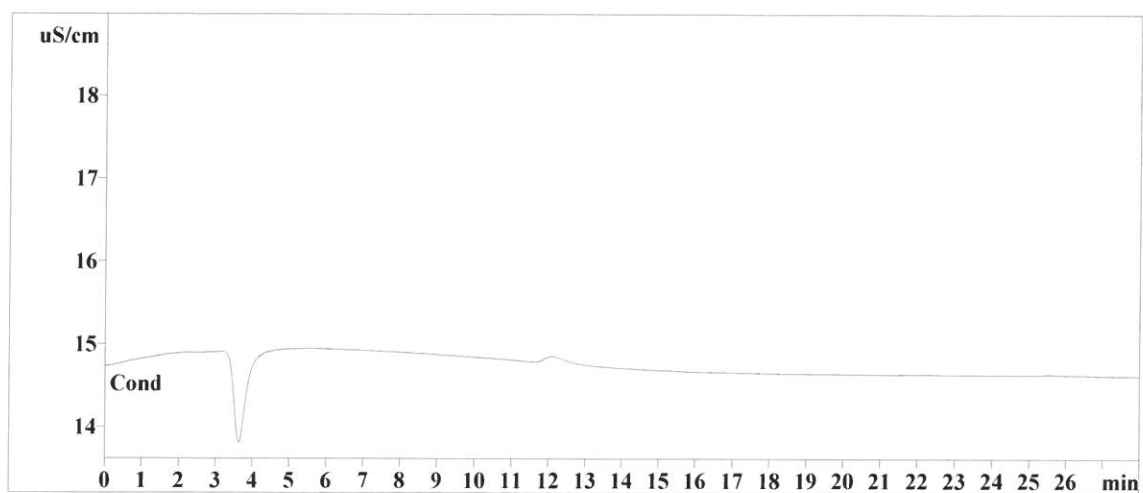
Ident: STD1  
Analysis from: 1/9/2018 12:09:55 PM  
File: \_2018-01-09\_

Last save: 1/10/2018 8:56:20 AM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60598

Last save: 1/9/2018 11:36:28 AM

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: 1/10/2018 2:00:29 PM  
Printed by: wet

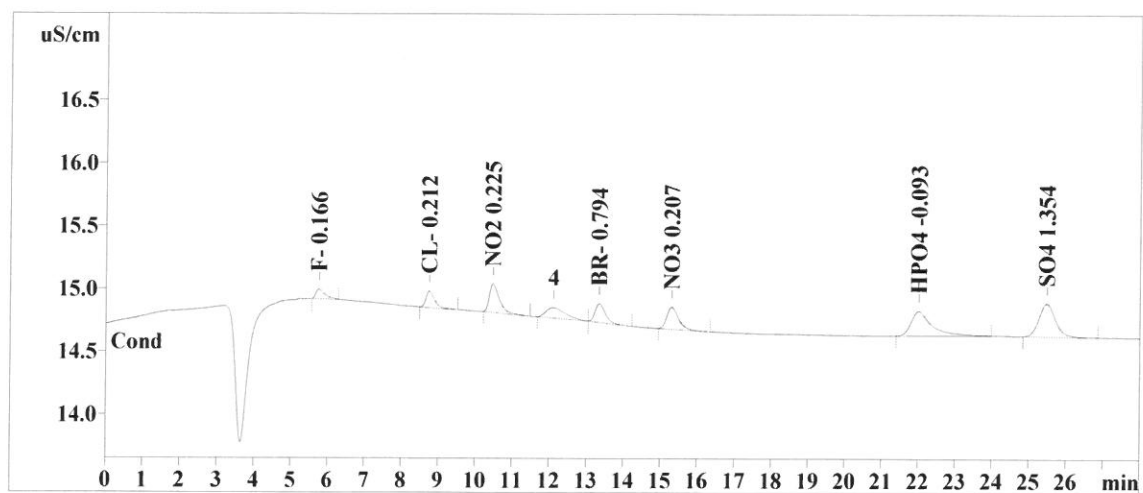
Ident: STD2  
Analysis from: 1/9/2018 12:40:50 PM  
File: \_2018-01-09\_

Last save: 1/9/2018 1:08:38 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60599

Last save: 1/9/2018 12:37:44 PM

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  | 5.75             | 0.259          | 0.08            | 5.81        | 1.337             | 3.94      | 0. |
| 2  | 8.74             | 0.253          | 0.13            | 10.00       | 2.234             | 6.58      | 0. |
| 3  | 10.48            | 0.283          | 0.23            | 17.44       | 4.437             | 13.07     | 0. |
| 4  | 13.35            | 0.288          | 0.15            | 11.47       | 2.896             | 8.53      | 0. |
| 5  | 15.30            | 0.339          | 0.18            | 13.47       | 3.980             | 11.72     | 0. |
| 6  | 22.01            | 0.526          | 0.20            | 15.00       | 7.867             | 23.17     | 0. |
| 7  | 25.48            | 0.466          | 0.26            | 20.12       | 8.206             | 24.17     | 0. |
| 7  | 28.00            | 0.345          | 1.22            | 93.31       | 30.957            | 91.17     | 0. |

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Report date: 1/10/2018 2:00:54 PM  
Printed by: wet

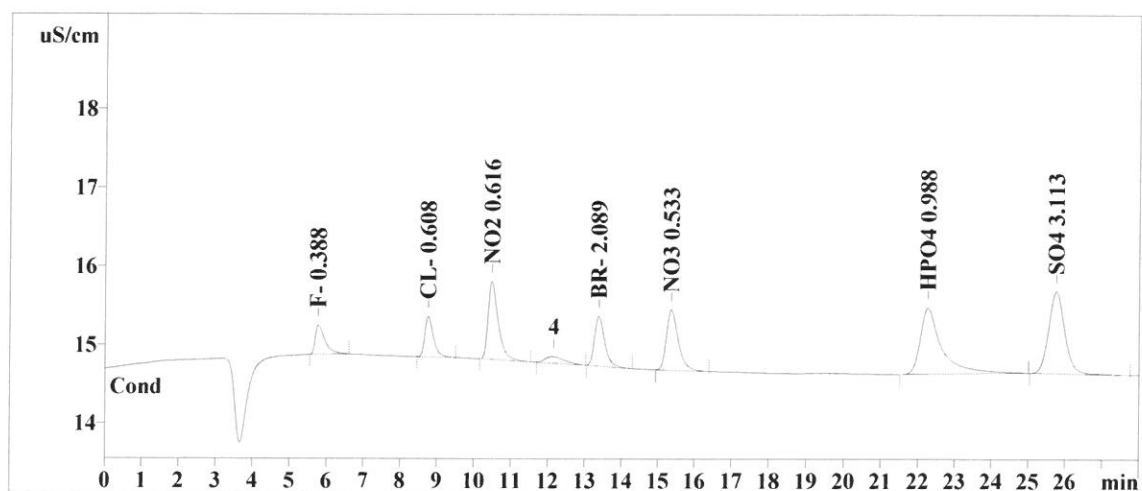
Ident: STD3  
Analysis from: 1/9/2018 1:11:44 PM  
File: \_2018-01-09\_

Last save: 1/9/2018 1:39:32 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60600

Last save: 1/9/2018 1:08:38 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  | 5.78             | 0.257          | 0.37            | 7.02        | 6.688             | 5.00      | 0. |
| 2  | 8.75             | 0.244          | 0.51            | 9.80        | 8.446             | 6.32      | 0. |
| 3  | 10.48            | 0.281          | 0.99            | 18.84       | 19.036            | 14.24     | 0. |
| 4  | 13.38            | 0.290          | 0.63            | 12.08       | 12.293            | 9.20      | 0. |
| 5  | 15.35            | 0.333          | 0.77            | 14.65       | 17.390            | 13.01     | 0. |
| 6  | 22.26            | 0.518          | 0.84            | 16.02       | 34.678            | 25.94     | 0. |
| 7  | 25.76            | 0.459          | 1.04            | 19.87       | 32.094            | 24.01     | 0. |
| 7  | 28.00            | 0.340          | 5.16            | 98.28       | 130.626           | 97.72     | 0. |

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Report date: 1/10/2018 2:01:08 PM  
Printed by: wet

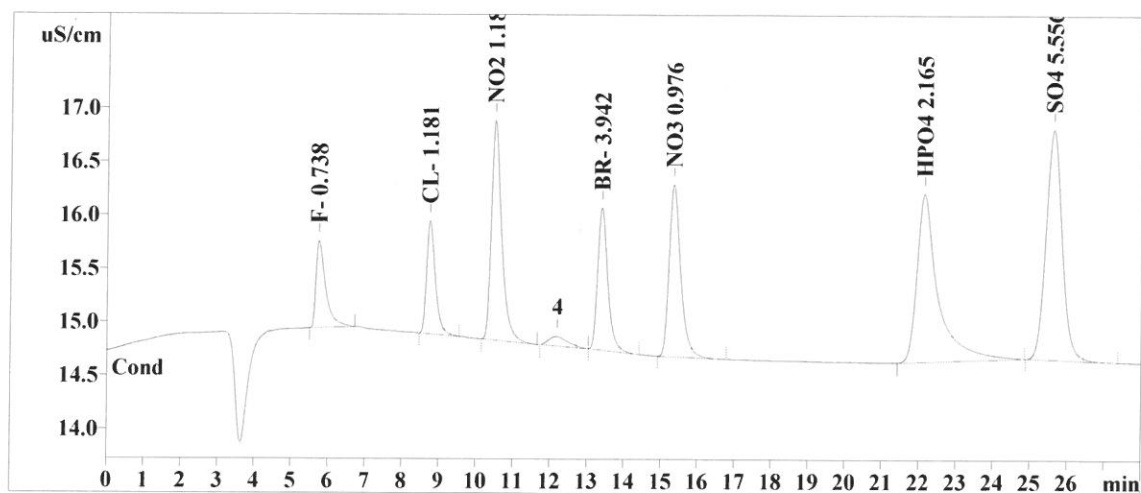
Ident: STD4  
Analysis from: 1/9/2018 1:42:38 PM  
File: \_2018-01-09\_

Last save: 1/9/2018 2:10:28 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60601

Last save: 1/9/2018 1:39:32 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  | 5.75             | 0.247          | 0.81            | 7.59        | 14.357            | 5.42      | 0. |
| 2  | 8.74             | 0.247          | 1.06            | 9.89        | 17.517            | 6.61      | 0. |
| 3  | 10.49            | 0.289          | 2.05            | 19.24       | 40.531            | 15.29     | 0. |
| 4  | 13.39            | 0.286          | 1.33            | 12.46       | 25.592            | 9.65      | 0. |
| 5  | 15.32            | 0.324          | 1.61            | 15.07       | 35.478            | 13.38     | 0. |
| 6  | 22.14            | 0.508          | 1.57            | 14.72       | 63.472            | 23.94     | 0. |
| 7  | 25.62            | 0.453          | 2.15            | 20.17       | 64.970            | 24.51     | 0. |
| 7  | 28.00            | 0.336          | 10.58           | 99.15       | 261.916           | 98.79     | 0. |

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METROHM LTD

Report date: 1/10/2018 2:01:20 PM  
Printed by: wet

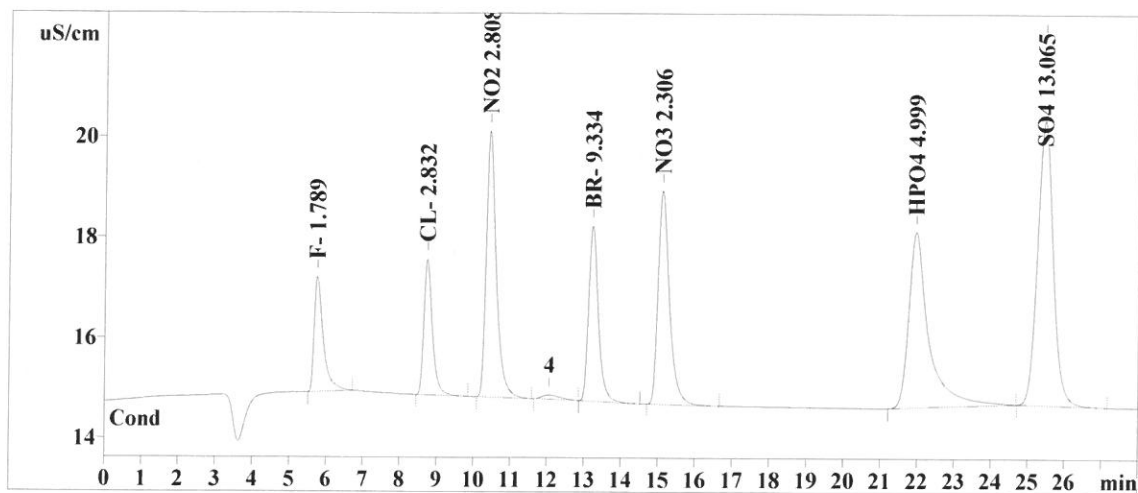
Ident: STD5  
Analysis from: 1/9/2018 2:13:33 PM  
File: \_2018-01-09\_

Last save: 1/9/2018 2:41:22 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60602

Last save: 1/9/2018 2:10:28 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  | 5.74             | 0.236          | 2.28            | 8.39        | 38.494            | 6.00      | 0. |
| 2  | 8.72             | 0.239          | 2.70            | 9.90        | 43.798            | 6.83      | 0. |
| 3  | 10.42            | 0.279          | 5.30            | 19.44       | 101.010           | 15.75     | 0. |
| 4  | 13.23            | 0.274          | 3.48            | 12.79       | 64.487            | 10.05     | 0. |
| 5  | 15.09            | 0.309          | 4.24            | 15.57       | 89.874            | 14.01     | 0. |
| 6  | 21.95            | 0.487          | 3.49            | 12.81       | 132.810           | 20.70     | 0. |
| 7  | 25.44            | 0.446          | 5.66            | 20.76       | 168.027           | 26.19     | 0. |
| 7  | 28.00            | 0.324          | 27.15           | 99.67       | 638.500           | 99.54     | 0. |

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METROHM LTD

Report date: 1/10/2018 2:01:32 PM  
 Printed by: wet

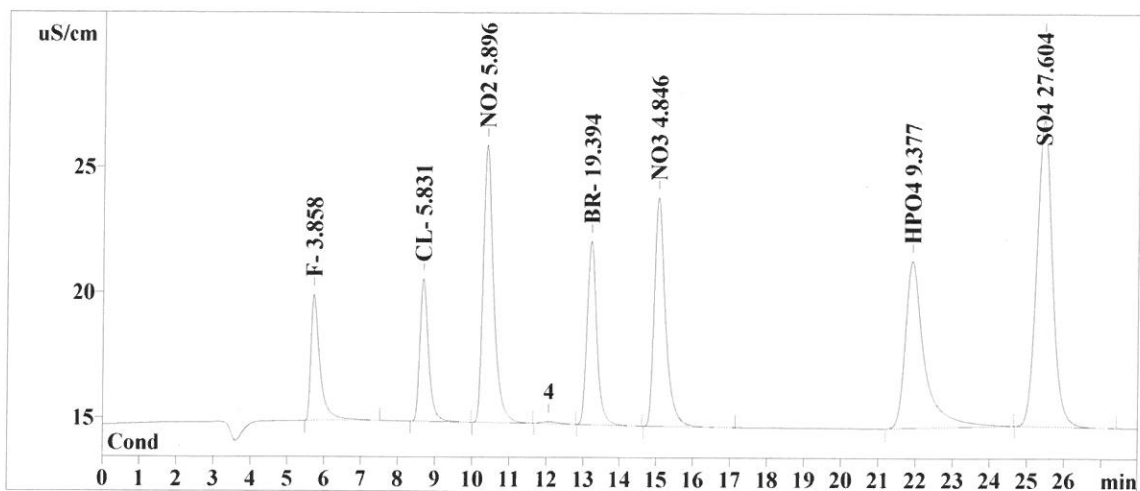
Ident: STD6  
 Analysis from: 1/9/2018 2:44:27 PM  
 File: \_2018-01-09\_

Last save: 1/9/2018 3:12:16 PM

Method: ANIONS 01-09-18.mtw  
 Run operator: wet  
 Analysis number: 60603

Last save: 1/9/2018 2:41:22 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  | 5.71             | 0.229          | 5.01            | 8.77        | 84.262            | 6.37      | 0. |
| 2  | 8.67             | 0.235          | 5.67            | 9.92        | 91.070            | 6.89      | 0. |
| 3  | 10.36            | 0.288          | 11.05           | 19.36       | 216.946           | 16.40     | 0. |
| 4  | 13.20            | 0.277          | 7.31            | 12.80       | 136.802           | 10.34     | 0. |
| 5  | 15.04            | 0.306          | 9.11            | 15.96       | 192.657           | 14.57     | 0. |
| 6  | 21.90            | 0.467          | 6.66            | 11.65       | 238.377           | 18.02     | 0. |
| 7  | 25.43            | 0.442          | 12.21           | 21.38       | 359.816           | 27.20     | 0. |
| 7  | 28.00            | 0.321          | 57.03           | 99.85       | 1319.930          | 99.80     | 0. |

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Report date: 1/10/2018 2:01:43 PM  
Printed by: wet

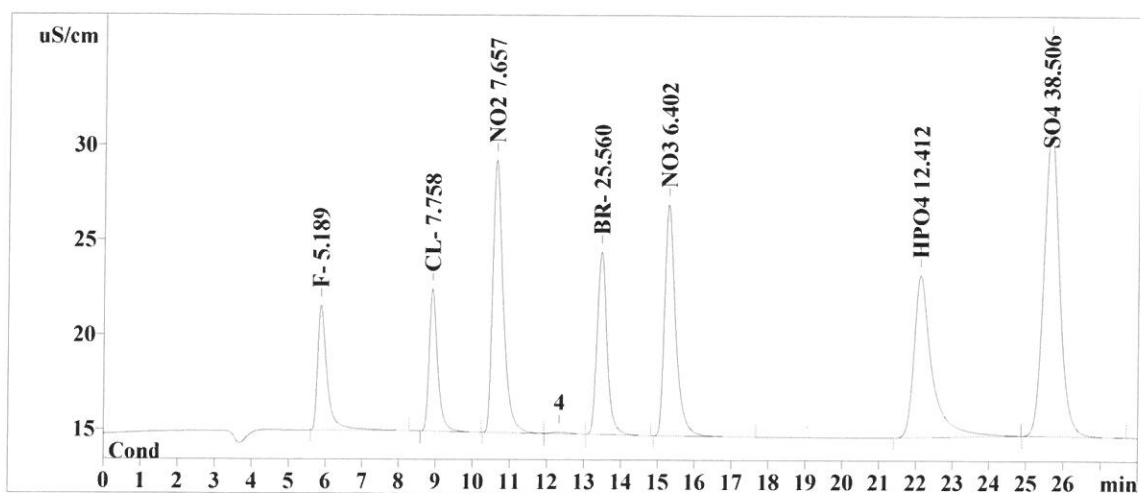
Ident: STD7  
Analysis from: 1/9/2018 3:15:22 PM  
File: \_2018-01-09\_

Last save: 1/9/2018 3:43:10 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60604

Last save: 1/9/2018 3:12:16 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  | 5.86             | 0.239          | 6.58            | 8.75        | 116.107           | 6.68      | 0. |
| 2  | 8.90             | 0.244          | 7.50            | 9.98        | 124.273           | 7.15      | 0. |
| 3  | 10.62            | 0.292          | 14.37           | 19.13       | 284.309           | 16.36     | 0. |
| 4  | 13.46            | 0.279          | 9.63            | 12.81       | 180.213           | 10.37     | 0. |
| 5  | 15.27            | 0.303          | 12.19           | 16.22       | 254.821           | 14.66     | 0. |
| 6  | 22.11            | 0.457          | 8.55            | 11.38       | 296.590           | 17.06     | 0. |
| 7  | 25.64            | 0.441          | 16.26           | 21.63       | 479.365           | 27.58     | 0. |
| 7  | 28.00            | 0.322          | 75.07           | 99.90       | 1735.678          | 99.86     | 0. |

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Report date: 1/10/2018 2:02:52 PM  
Printed by: wet

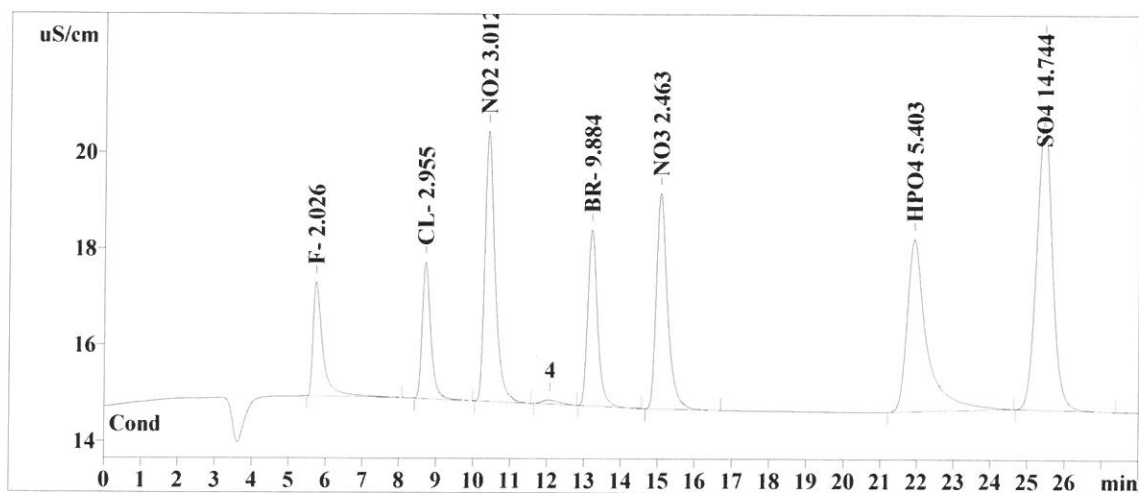
Ident: ICV  
Analysis from: 1/9/2018 4:48:05 PM  
File: \_2018-01-09\_

Last save: 1/9/2018 5:15:54 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60607

Last save: 1/9/2018 3:43:10 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             | 0.239          | 2.37            | 8.29        | 42.978            | 6.36      | 0. |
| 2  | 8.69             | 0.240          | 2.82            | 9.88        | 45.935            | 6.80      | 0. |
| 3  | 10.39            | 0.285          | 5.60            | 19.62       | 108.668           | 16.08     | 0. |
| 4  | 13.20            | 0.275          | 3.65            | 12.79       | 67.756            | 10.02     | 0. |
| 5  | 15.05            | 0.311          | 4.47            | 15.66       | 95.007            | 14.06     | 0. |
| 6  | 21.91            | 0.484          | 3.57            | 12.52       | 135.372           | 20.03     | 0. |
| 7  | 25.42            | 0.446          | 5.98            | 20.95       | 177.399           | 26.25     | 0. |
| 7  | 28.00            | 0.326          | 28.46           | 99.70       | 673.115           | 99.59     | 0. |

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Report date: 1/10/2018 2:03:31 PM  
Printed by: wet

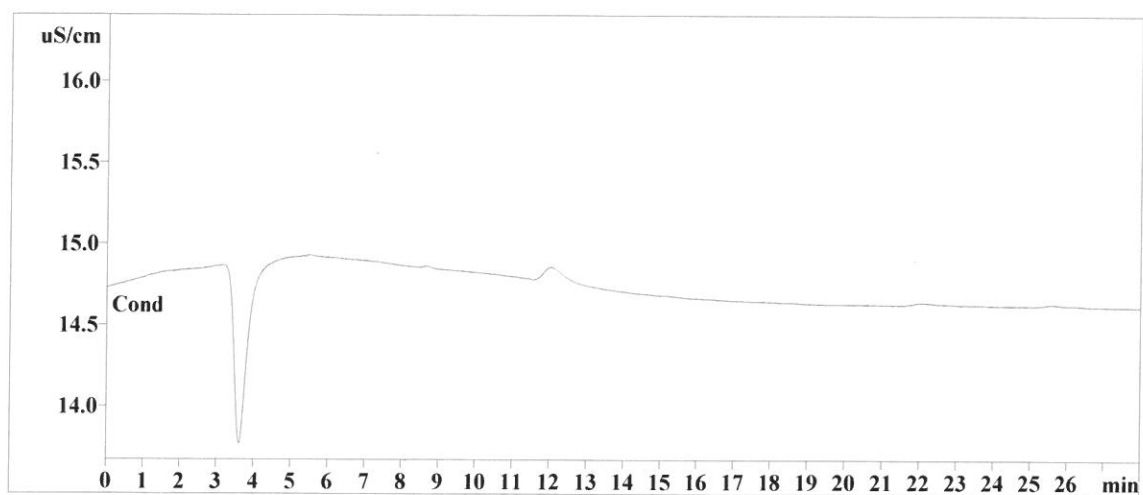
Ident: ICB  
Analysis from: 1/9/2018 5:18:59 PM  
File: \_2018-01-09\_

Last save: 1/10/2018 2:03:28 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60608

Last save: 1/9/2018 3:43:10 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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Report date: 2/16/2018 2:05:44 PM  
Printed by: wet

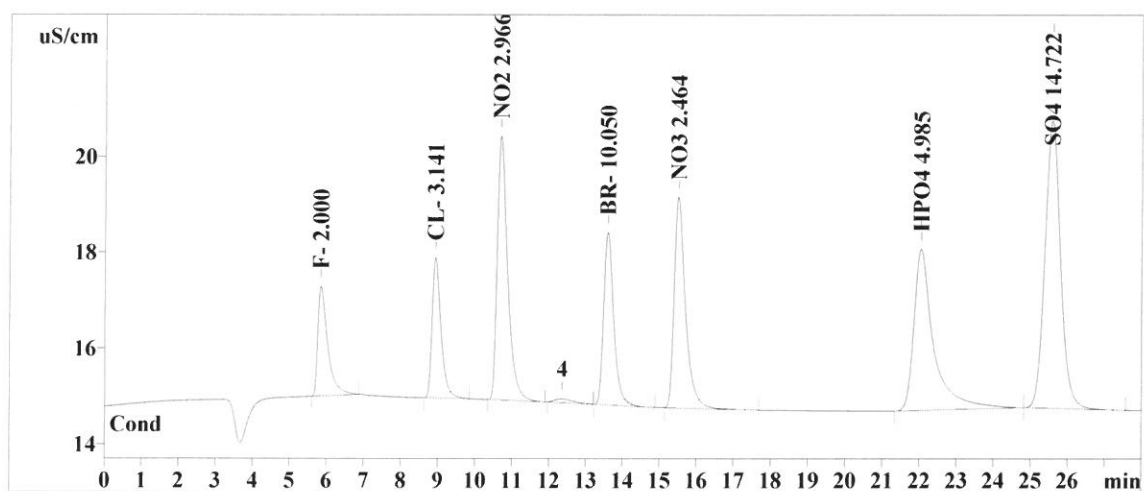
Ident: CCV  
Analysis from: 1/19/2018 10:35:45 AM  
File: \_2018-01-19\_

Last save: 1/19/2018 11:03:34 AM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60733

Last save: 1/9/2018 3:43:10 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  | 5.84             | 0.263          | 2.28            | 8.11        | 42.389            | 6.35      | 0. |
| 2  | 8.93             | 0.248          | 2.92            | 10.36       | 48.973            | 7.33      | 0. |
| 3  | 10.69            | 0.285          | 5.51            | 19.58       | 106.931           | 16.01     | 0. |
| 4  | 13.59            | 0.284          | 3.60            | 12.79       | 68.944            | 10.32     | 0. |
| 5  | 15.50            | 0.315          | 4.39            | 15.61       | 95.023            | 14.23     | 0. |
| 6  | 22.04            | 0.481          | 3.35            | 11.92       | 125.746           | 18.83     | 0. |
| 7  | 25.57            | 0.443          | 6.00            | 21.33       | 177.120           | 26.52     | 0. |
| 7  | 28.00            | 0.331          | 28.06           | 99.70       | 665.125           | 99.57     | 0. |

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Report date: 2/16/2018 2:05:57 PM  
Printed by: wet

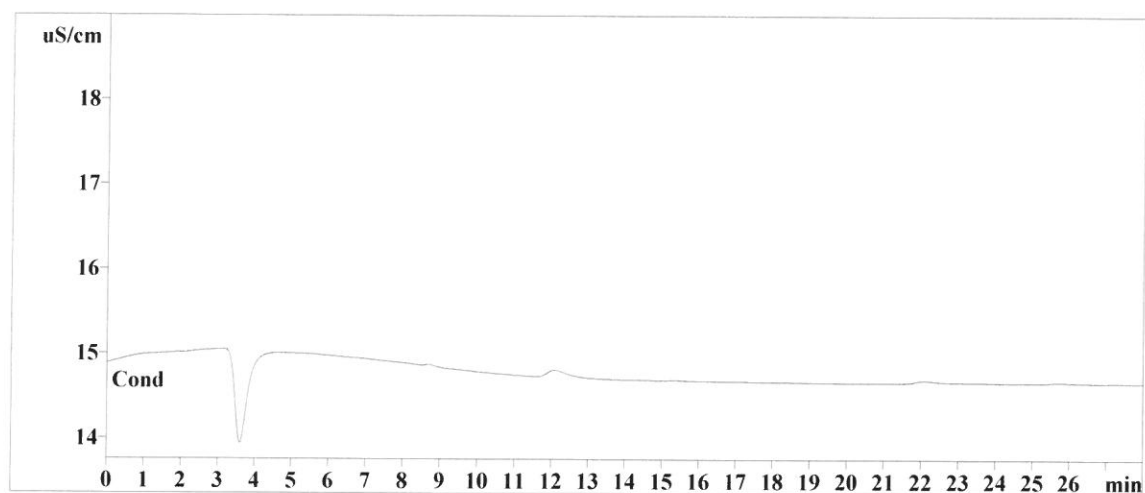
Ident: CCB  
Analysis from: 1/19/2018 11:14:42 AM  
File: \_2018-01-19\_

Last save: 2/16/2018 2:05:58 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60734

Last save: 1/9/2018 3:43:10 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: 2/16/2018 2:05:34 PM  
Printed by: wet

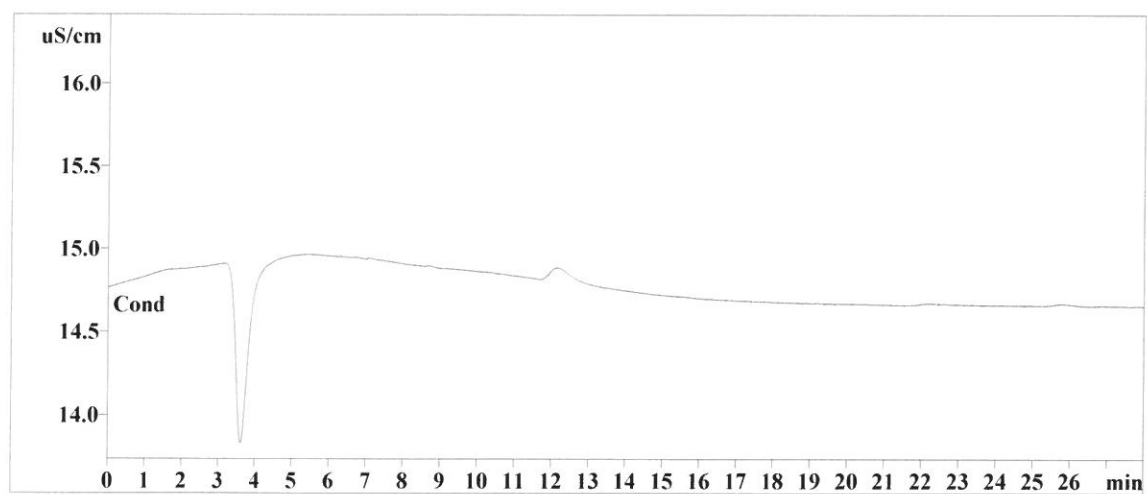
Ident: LB93336BLW  
Analysis from: 1/19/2018 11:45:37 AM  
File: \_2018-01-19\_

Last save: 2/16/2018 2:05:34 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60735

Last save: 1/9/2018 3:43:10 PM

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: 2/16/2018 2:06:05 PM  
Printed by: wet

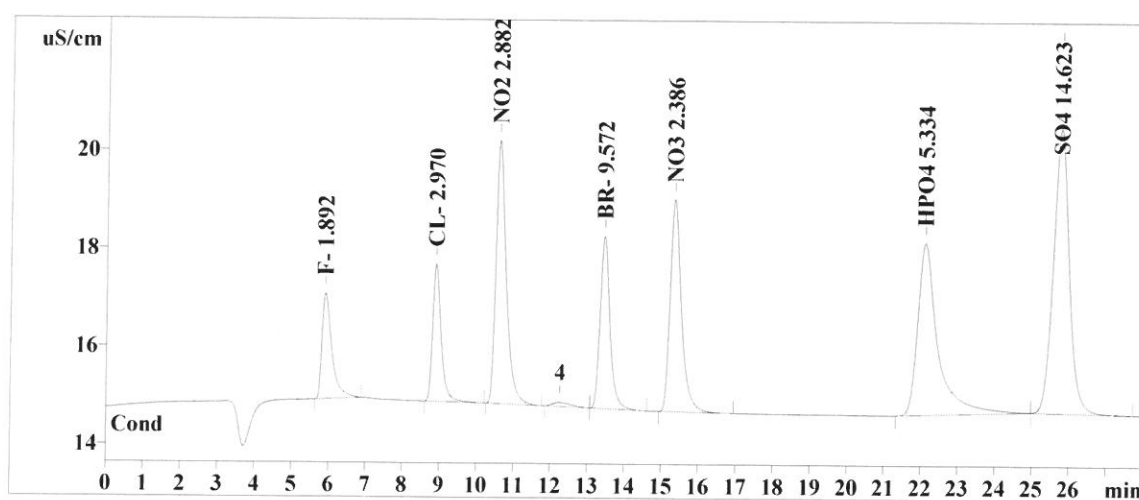
Ident: LB93336BSW  
Analysis from: 1/19/2018 12:16:31 PM  
File: \_2018-01-19\_

Last save: 2/16/2018 2:05:20 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60736

Last save: 1/9/2018 3:43:10 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  | 5.89             | 0.263          | 2.16            | 7.83        | 39.900            | 6.05      | 0. |
| 2  | 8.88             | 0.242          | 2.80            | 10.16       | 46.184            | 7.00      | 0. |
| 3  | 10.59            | 0.284          | 5.36            | 19.47       | 103.752           | 15.73     | 0. |
| 4  | 13.44            | 0.277          | 3.51            | 12.75       | 65.516            | 9.93      | 0. |
| 5  | 15.32            | 0.311          | 4.32            | 15.70       | 91.864            | 13.92     | 0. |
| 6  | 22.10            | 0.490          | 3.50            | 12.71       | 133.776           | 20.28     | 0. |
| 7  | 25.74            | 0.455          | 5.80            | 21.05       | 175.858           | 26.65     | 0. |
| 7  | 28.00            | 0.332          | 27.44           | 99.68       | 656.850           | 99.56     | 0. |

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Report date: 2/16/2018 2:06:43 PM  
Printed by: wet

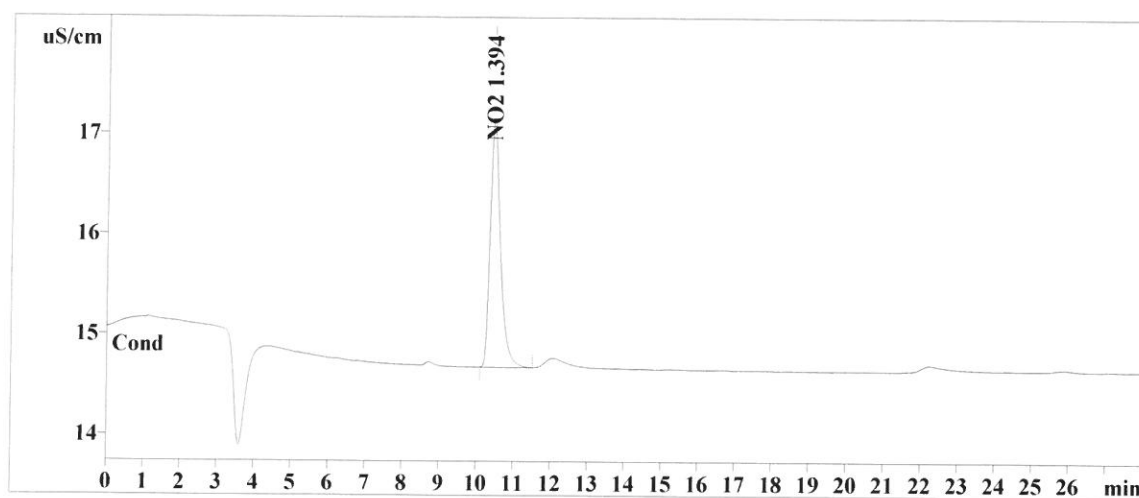
Ident: J1192-33  
Analysis from: 1/19/2018 3:27:11 PM  
File: \_2018-01-19\_

Last save: 2/16/2018 2:06:40 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60740

Last save: 1/9/2018 3:43:10 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 3  | 10.44            | 0.281          | 2.48            | 99.98       | 47.457            | 100.00    | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 28.00            | 0.040          | 2.48            | 99.98       | 47.457            | 100.00    | 0. |

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Report date: 2/16/2018 2:06:50 PM  
Printed by: wet

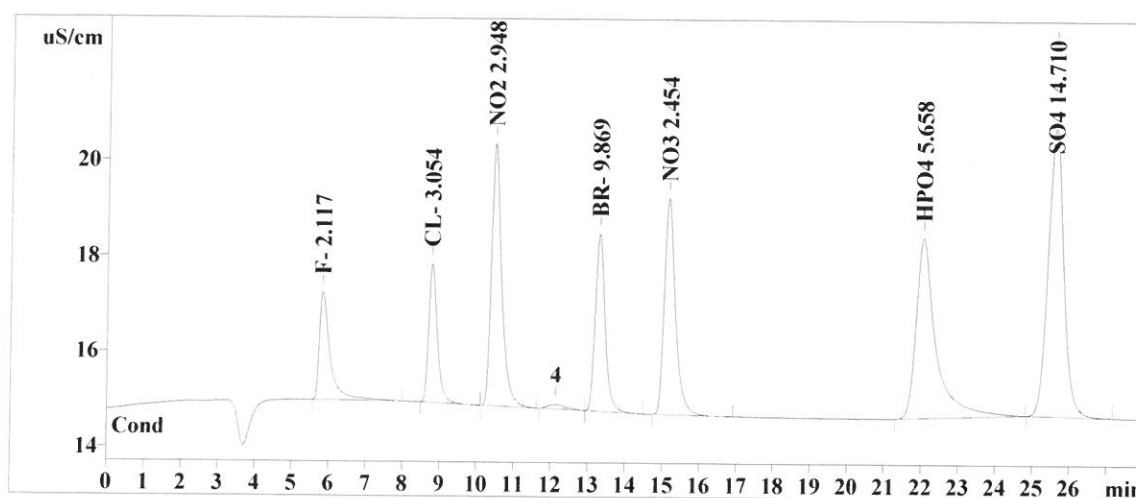
Ident: CCV  
Analysis from: 1/19/2018 5:30:50 PM  
File: \_2018-01-19\_

Last save: 2/1/2018 4:21:22 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60744

Last save: 1/9/2018 3:43:10 PM

SAMPLE:  
:  
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  | 5.82             | 0.262          | 2.26            | 7.84        | 45.082            | 6.60      | 0. |
| 2  | 8.77             | 0.242          | 2.90            | 10.08       | 47.540            | 6.96      | 0. |
| 3  | 10.46            | 0.283          | 5.50            | 19.09       | 106.225           | 15.56     | 0. |
| 4  | 13.28            | 0.271          | 3.71            | 12.88       | 67.647            | 9.91      | 0. |
| 5  | 15.13            | 0.306          | 4.53            | 15.72       | 94.636            | 13.86     | 0. |
| 6  | 22.03            | 0.479          | 3.76            | 13.07       | 141.227           | 20.69     | 0. |
| 7  | 25.58            | 0.441          | 6.04            | 20.97       | 176.967           | 25.93     | 0. |
| 7  | 28.00            | 0.326          | 28.68           | 99.66       | 679.324           | 99.52     | 0. |

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Report date: 2/16/2018 2:06:58 PM  
Printed by: wet

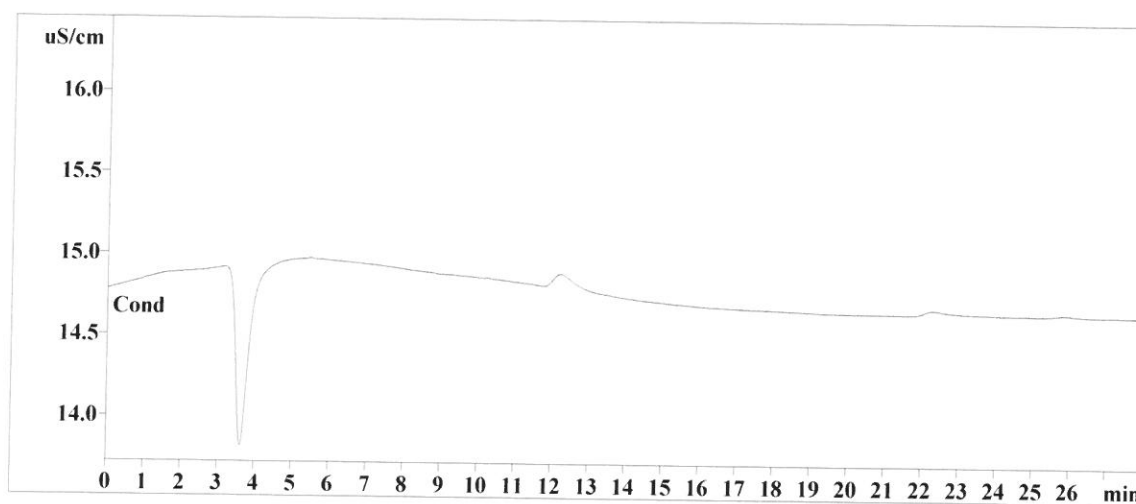
Ident: CCB  
Analysis from: 1/19/2018 6:01:44 PM  
File: \_2018-01-19\_

Last save: 2/16/2018 2:06:40 PM

Method: ANIONS 01-09-18.mtw  
Run operator: wet  
Analysis number: 60745

Last save: 1/9/2018 3:43:10 PM

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



Quantitation method: Custom

No peaks

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