

JC-1 300.0  
7-6-18 RAL

Clear table

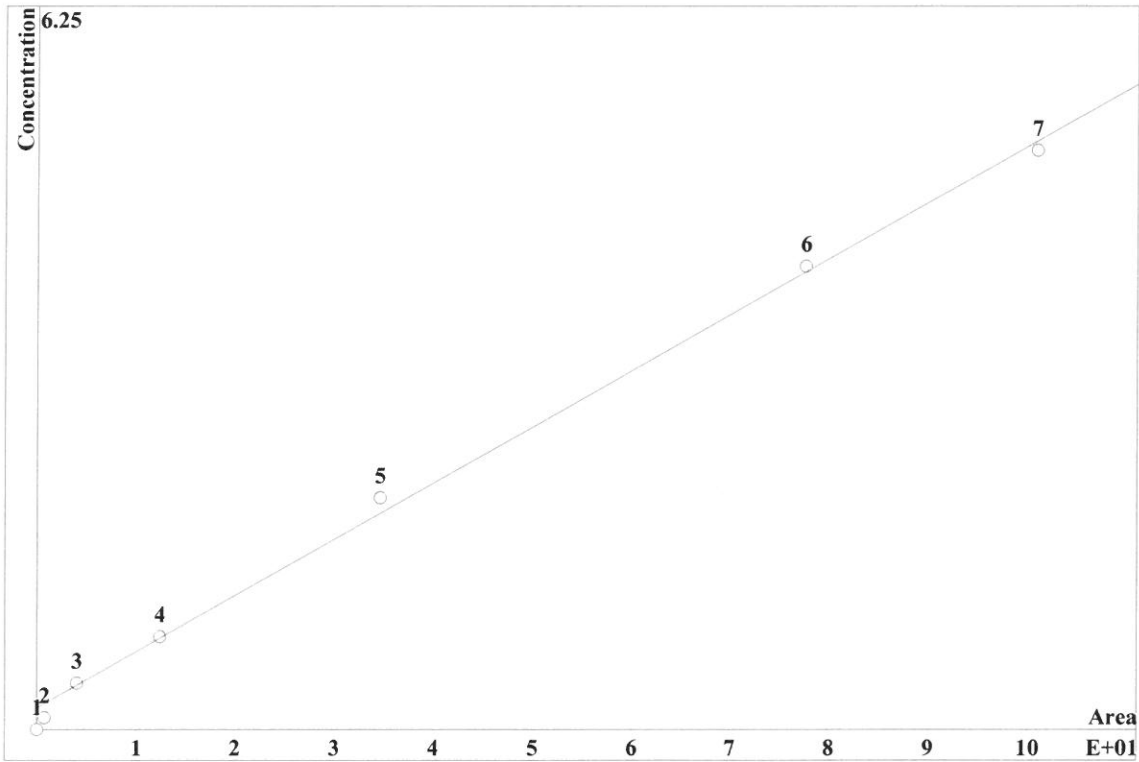
| ident          | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name   | date time     |
|----------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------|---------------|
| STD1           | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-06-11_ | 6/11/18 10:31 |
| STD2           | 0.2020               | 0.2150                | 0.2270                | 0.7220                | 0.1760                | 0.0310                 | 1.2780                | 2018-06-11_ | 6/11/18 11:01 |
| STD3           | 0.3660               | 0.6030                | 0.6210                | 2.0150                | 0.4940                | 1.0630                 | 3.1400                | 2018-06-11_ | 6/11/18 11:31 |
| STD4           | 0.7860               | 1.1940                | 1.1700                | 3.8780                | 0.9640                | 2.1840                 | 5.8600                | 2018-06-11_ | 6/11/18 12:01 |
| STD5           | 1.8970               | 2.8840                | 2.8680                | 9.7480                | 2.4710                | 5.0370                 | 14.0380               | 2018-06-11_ | 6/11/18 12:31 |
| STD6           | 4.0490               | 6.0540                | 6.0630                | 20.1360               | 5.0200                | 9.9350                 | 30.4340               | 2018-06-11_ | 6/11/18 13:01 |
| STD7           | 5.0830               | 7.6860                | 7.7060                | 25.4150               | 6.3680                | 12.6690                | 37.9200               | 2018-06-11_ | 6/11/18 13:31 |
| ICV            | 2.1340               | 2.8660                | 2.8280                | 9.5020                | 2.4350                | 5.3050                 | 15.4210               | 2018-06-11_ | 6/11/18 15:04 |
| ICB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-06-11_ | 6/11/18 15:33 |
| CCV            | 1.8190               | 2.9210                | 2.8680                | 9.6670                | 2.3970                | 4.8740                 | 14.5590               | 2018-07-05_ | 7/5/18 11:39  |
| CCB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-07-05_ | 7/5/18 12:09  |
| LB96466BLW     | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-07-05_ | 7/5/18 12:39  |
| LB96466BSW     | 2.1120               | 2.9220                | 2.8910                | 9.7000                | 2.4050                | 5.5050                 | 14.5660               | 2018-07-05_ | 7/5/18 13:09  |
| J3878-01       | 0.0000               | 185.9270              | 0.0000                | 0.0000                | 3.8100                | 0.0000                 | 56.2940               | 2018-07-05_ | 7/5/18 13:39  |
| J3878-03       | 0.0000               | 247.1520              | 0.0000                | 0.0000                | 3.4580                | 0.0000                 | 57.4330               | 2018-07-05_ | 7/5/18 14:09  |
| J3878-04       | 0.0000               | 253.4340              | 0.0000                | 0.0000                | 3.4680                | 0.0000                 | 58.5730               | 2018-07-05_ | 7/5/18 14:39  |
| J3878-04DUP    | 0.0000               | 252.5590              | 0.0000                | 0.0000                | 3.5020                | 0.0000                 | 59.2210               | 2018-07-05_ | 7/5/18 15:09  |
| J3878-04MS     | 2.7110               | 234.4030              | 2.8120                | 10.0280               | 5.8500                | 6.0680                 | 70.4100               | 2018-07-05_ | 7/5/18 15:39  |
| J3878-04MSD    | 2.6120               | 231.4150              | 2.7530                | 9.7330                | 5.8200                | 6.0080                 | 70.0670               | 2018-07-05_ | 7/5/18 16:09  |
| J3878-01DLX2   | 0.0000               | 88.0910               | 0.0000                | 0.0000                | 1.8510                | 0.0000                 | 25.8400               | 2018-07-05_ | 7/5/18 16:39  |
| J3878-01DL2X50 | 0.0000               | 2.7010                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.6940                | 2018-07-05_ | 7/5/18 17:09  |
| CCV            | 2.0470               | 2.9230                | 2.9130                | 9.6700                | 2.4000                | 5.3290                 | 14.5960               | 2018-07-05_ | 7/5/18 17:38  |
| CCB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-07-05_ | 7/5/18 18:08  |
| J3878-03DLX2   | 0.0000               | 117.3910              | 0.0000                | 0.0000                | 1.7370                | 0.0000                 | 26.7830               | 2018-07-05_ | 7/5/18 18:38  |
| J3878-03DL2X50 | 0.0000               | 3.3260                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.7030                | 2018-07-05_ | 7/5/18 19:08  |
| J3878-04DLX2   | 0.0000               | 123.0370              | 0.0000                | 0.0000                | 1.7430                | 0.0000                 | 27.3180               | 2018-07-05_ | 7/5/18 19:38  |
| J3878-04DL2X50 | 0.0000               | 3.5080                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.7310                | 2018-07-05_ | 7/5/18 20:08  |
| CCV            | 2.1210               | 2.9540                | 2.9010                | 9.8340                | 2.4550                | 5.1780                 | 14.4450               | 2018-07-05_ | 7/5/18 20:38  |
| CCB            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-07-05_ | 7/5/18 21:08  |

IC-1 Cal 6-11-2018

AK

CALIBRATION OF COMPONENT F-

Method: ANIONS 06-11-18.mtw  
Equation:  $Q = 0.96991 \cdot A + 3.75265$   
RSD: 5.047 %  
Correlation coefficient: 0.998960



K3 = 0 K2 = 0 K1 = 0.96991 K0 = 3.75265

Base: Area

Ref.channel: Cond

ISTD:

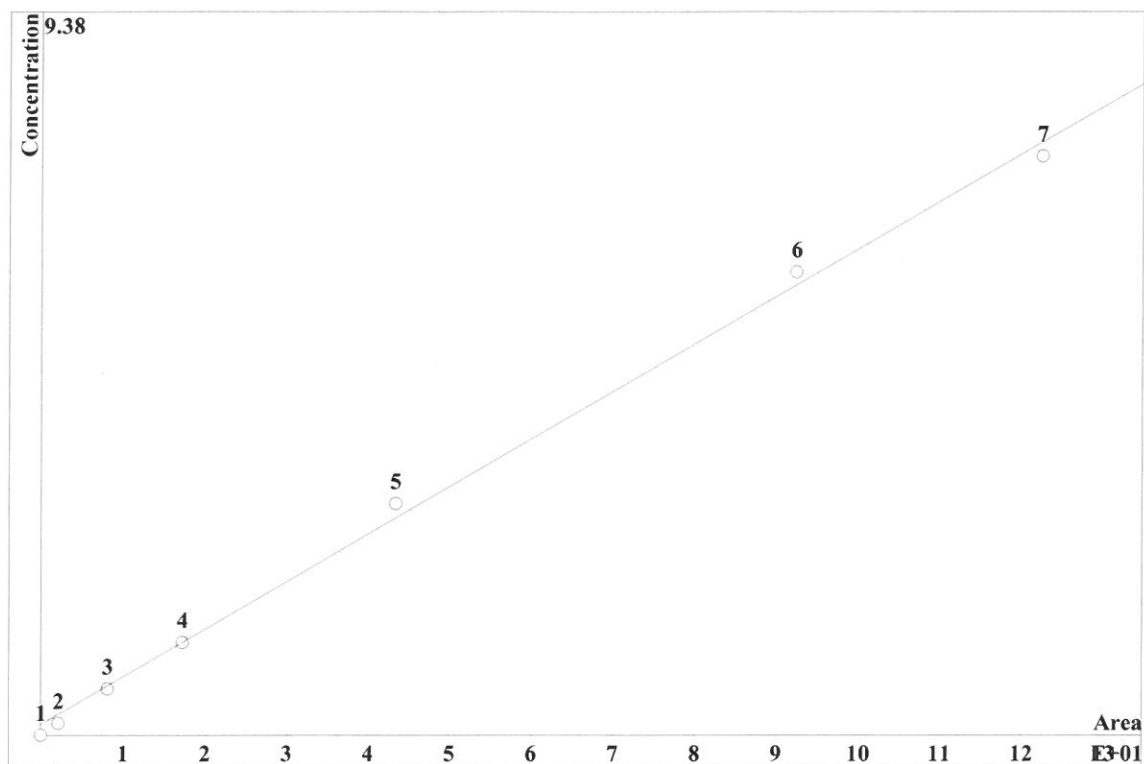
Formula: Linear

Weight: 1

| Level | Height  | Area   | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|---------|--------|-------|---------|-----------|------|------|-----|
| 1     | 0       | 0      | 0     | 0       | 0         |      |      | No  |
| 2     | 0.02191 | 0.7617 | 0.1   | 20      | 5.913     |      |      | Yes |
| 3     | 0.1211  | 4.025  | 0.4   | 20      | 5.913     |      |      | Yes |
| 4     | 0.2906  | 12.43  | 0.8   | 20      | 5.913     |      |      | Yes |
| 5     | 0.798   | 34.62  | 2     | 20      | 5.913     |      |      | Yes |
| 6     | 1.708   | 77.64  | 4     | 20      | 5.913     |      |      | Yes |
| 7     | 2.266   | 100.9  | 5     | 20      | 5.913     |      |      | Yes |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 06-11-18.mtw  
 Equation:  $Q = 1.23247 \cdot A + 2.78813$   
 RSD: 5.476 %  
 Correlation coefficient: 0.998775



K3 = 0      K2 = 0      K1 = 1.23247      K0 = 2.78813

Base: Area

Ref.channel: Cond

ISTD:

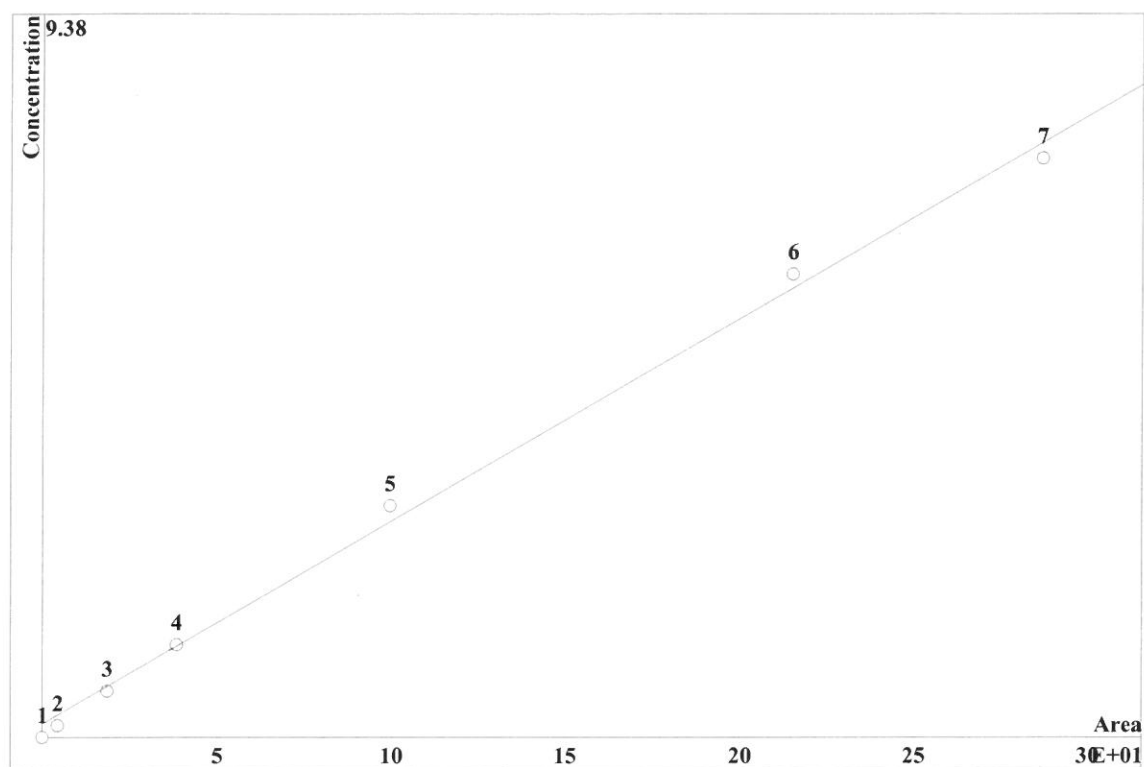
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.1264 | 2.138 | 0.15  | 20      | 8.858     |      |      | Yes |
| 3     | 0.4978 | 8.144 | 0.6   | 20      | 8.858     |      |      | Yes |
| 4     | 1.043  | 17.27 | 1.2   | 20      | 8.858     |      |      | Yes |
| 5     | 2.688  | 43.4  | 3     | 20      | 8.858     |      |      | Yes |
| 6     | 5.683  | 92.4  | 6     | 20      | 8.858     |      |      | Yes |
| 7     | 7.465  | 122.5 | 7.5   | 20      | 8.858     |      |      | Yes |

## CALIBRATION OF COMPONENT NO2

Method: ANIONS 06-11-18.mtw  
 Equation:  $Q = 0.525111 \cdot A + 3.49018$   
 RSD: 6.162 %  
 Correlation coefficient: 0.998449



K3 = 0      K2 = 0      K1 = 0.525111      K0 = 3.49018

Base: Area

Ref.channel: Cond

ISTD:

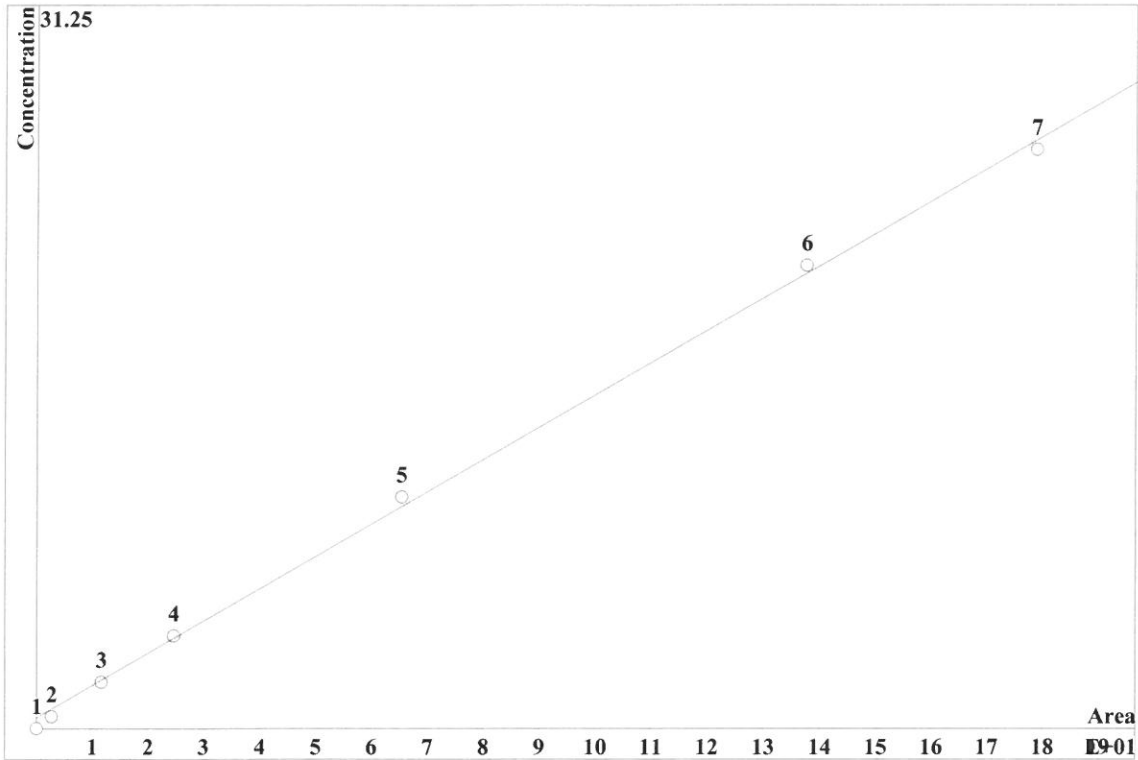
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    | No  |
| 2     | 0.2394 | 4.404 | 0.15  | 20      | 10.65     |      |      | Yes |
| 3     | 0.9878 | 18.61 | 0.6   | 20      | 10.65     |      |      | Yes |
| 4     | 2.074  | 38.42 | 1.2   | 20      | 10.65     |      |      | Yes |
| 5     | 5.39   | 99.64 | 3     | 20      | 10.65     |      |      | Yes |
| 6     | 11.22  | 214.9 | 6     | 20      | 10.65     |      |      | Yes |
| 7     | 14.57  | 286.8 | 7.5   | 20      | 10.65     |      |      | Yes |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 06-11-18.mtw  
 Equation:  $Q = 2.79052 \cdot A + 9.24087$   
 RSD: 3.757 %  
 Correlation coefficient: 0.999424

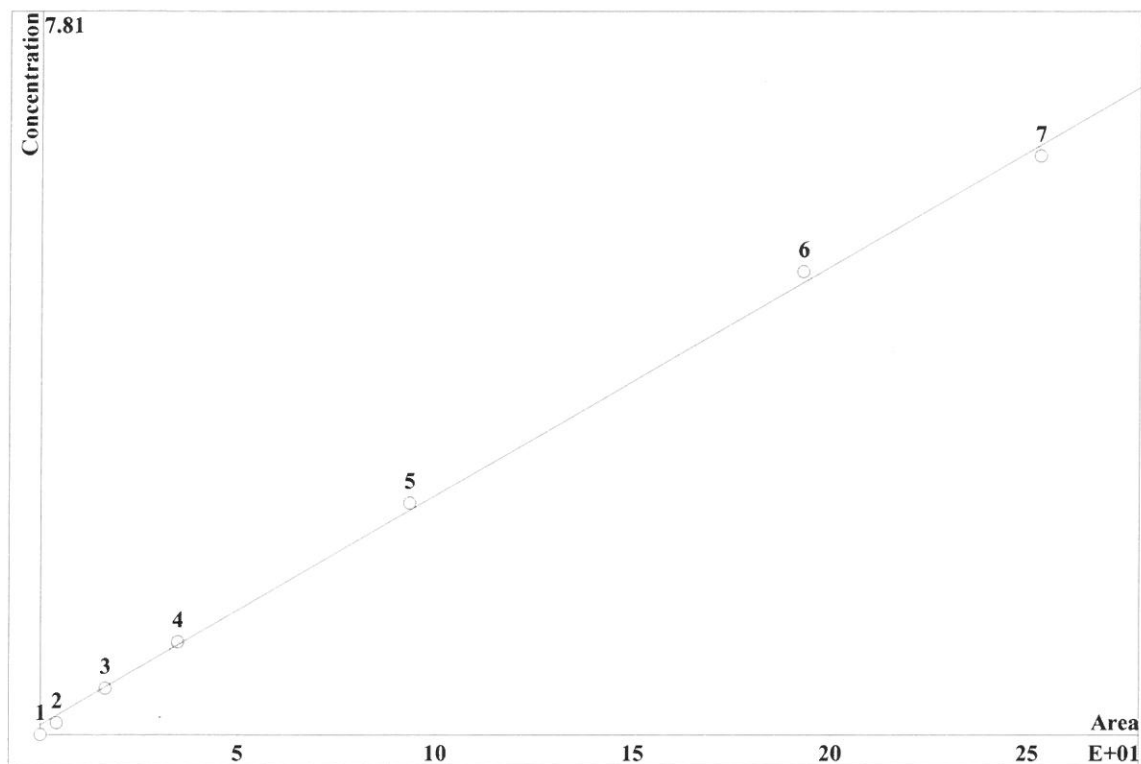


K3 = 0      K2 = 0      K1 = 2.79052      K0 = 9.24087  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File  |     |
|-------|--------|------|-------|---------|-----------|------|-------|-----|
| 1     | 0      |      | 0     | 0       | 0         |      |       | No  |
| 2     | 0.1433 |      | 2.719 | 0.5     | 20        |      | 13.72 | Yes |
| 3     | 0.6082 |      | 11.7  | 2       | 20        |      | 13.72 | Yes |
| 4     | 1.29   |      | 24.64 | 4       | 20        |      | 13.72 | Yes |
| 5     | 3.353  |      | 65.42 | 10      | 20        |      | 13.72 | Yes |
| 6     | 6.956  |      | 137.6 | 20      | 20        |      | 13.72 | Yes |
| 7     | 8.929  |      | 178.8 | 25      | 20        |      | 13.72 | Yes |

## CALIBRATION OF COMPONENT NO3

Method: ANIONS 06-11-18.mtw  
 Equation:  $Q = 0.494945 \cdot A + 2.1299$   
 RSD: 3.983 %  
 Correlation coefficient: 0.999352



K3 = 0      K2 = 0      K1 = 0.494945      K0 = 2.1299

Base: Area

Ref.channel: Cond

ISTD:

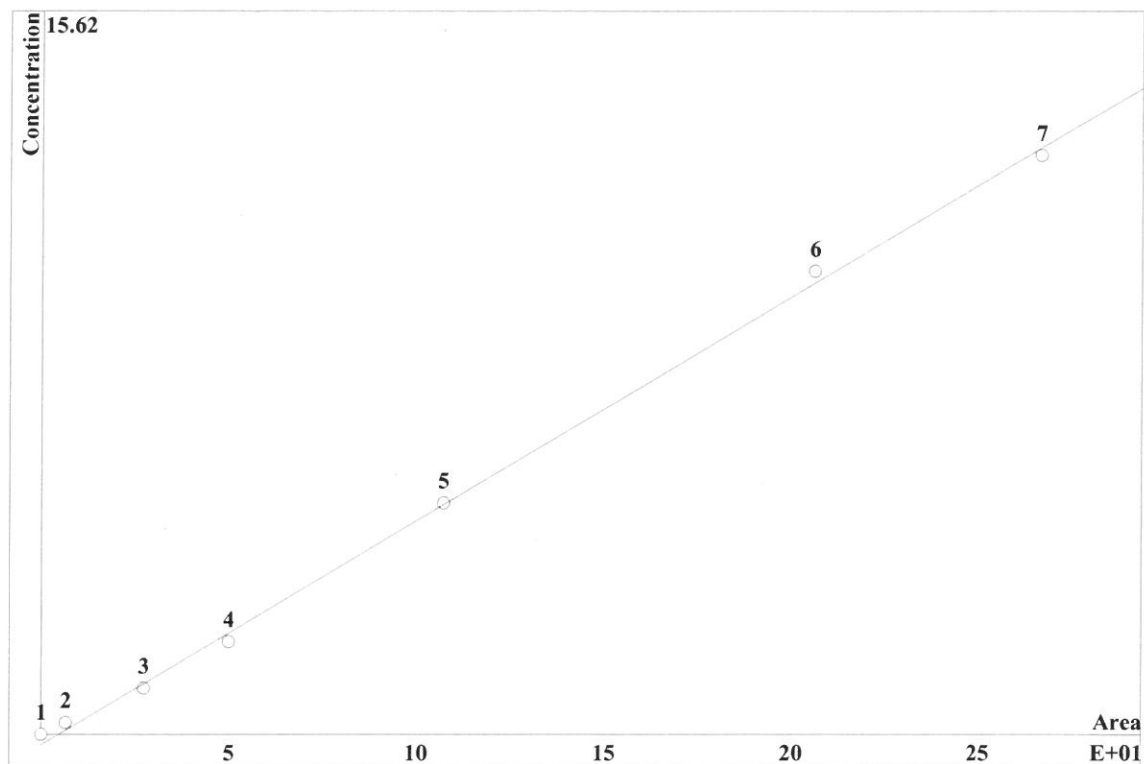
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |    |
|-------|--------|-------|-------|---------|-----------|------|------|----|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    | No |
| 2     | 0.1843 | 4.199 | 0.125 | 20      | 15.65     | Yes  |      |    |
| 3     | 0.7548 | 16.6  | 0.5   | 20      | 15.65     | Yes  |      |    |
| 4     | 1.604  | 34.93 | 1     | 20      | 15.65     | Yes  |      |    |
| 5     | 4.233  | 93.68 | 2.5   | 20      | 15.65     | Yes  |      |    |
| 6     | 9.2    | 193   | 5     | 20      | 15.65     | Yes  |      |    |
| 7     | 12.18  | 253   | 6.25  | 20      | 15.65     | Yes  |      |    |

## CALIBRATION OF COMPONENT HPO4

Method: ANIONS 06-11-18.mtw  
 Equation:  $Q = 0.96711 \cdot A - 4.51826$   
 RSD: 3.961 %  
 Correlation coefficient: 0.999360



K3 = 0      K2 = 0      K1 = 0.96711      K0 = -4.51826

Base: Area

Ref.channel: Cond

ISTD:

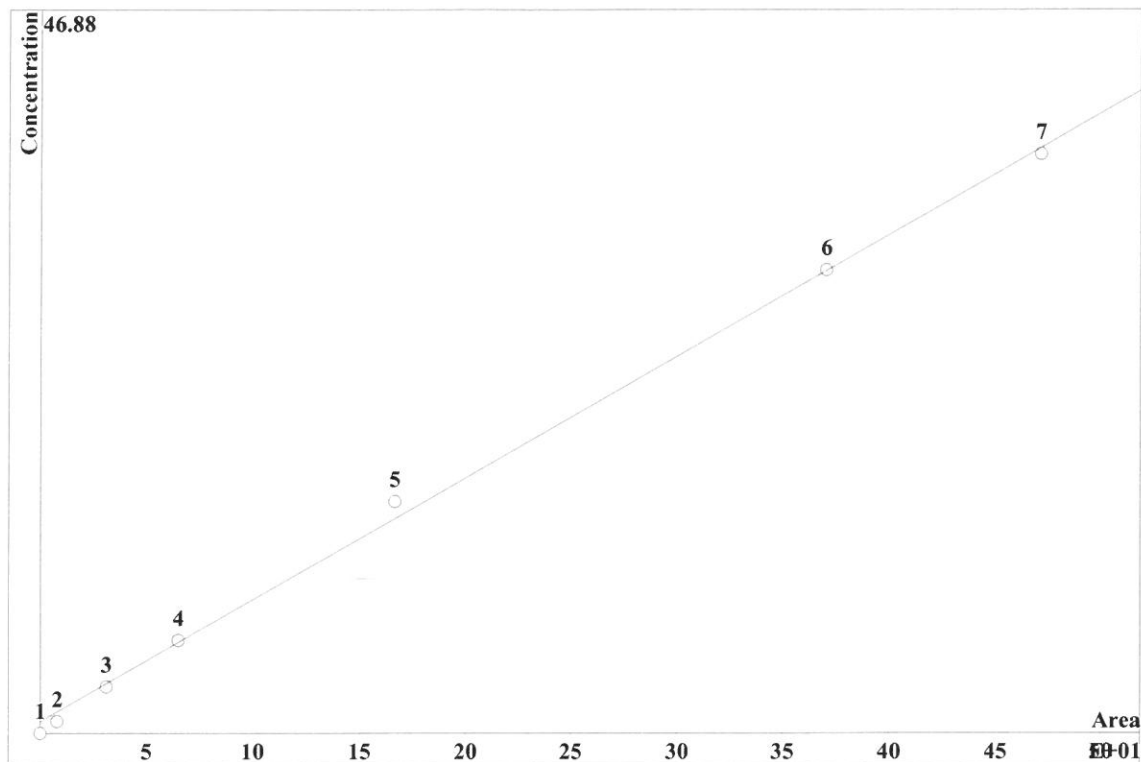
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.1633 | 6.472 | 0.25  | 20      | 21.48     |      |      | Yes |
| 3     | 0.6769 | 27.29 | 1     | 20      | 21.48     |      |      | Yes |
| 4     | 1.281  | 49.89 | 2     | 20      | 21.48     |      |      | Yes |
| 5     | 2.972  | 107.4 | 5     | 20      | 21.48     |      |      | Yes |
| 6     | 5.923  | 206.2 | 10    | 20      | 21.48     |      |      | Yes |
| 7     | 7.72   | 266.7 | 12.5  | 20      | 21.48     |      |      | Yes |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 06-11-18.mtw  
 Equation:  $Q = 1.57728 \cdot A + 15.0858$   
 RSD: 4.461 %  
 Correlation coefficient: 0.999188



K3 = 0      K2 = 0      K1 = 1.57728      K0 = 15.0858

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

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.2582 | 8.071 | 0.75  | 20      | 25.17     |      |      | Yes |
| 3     | 1.015  | 31.21 | 3     | 20      | 25.17     |      |      | Yes |
| 4     | 2.134  | 65    | 6     | 20      | 25.17     |      |      | Yes |
| 5     | 5.625  | 166.6 | 15    | 20      | 25.17     |      |      | Yes |
| 6     | 12.26  | 370.2 | 30    | 20      | 25.17     |      |      | Yes |
| 7     | 16.19  | 471.3 | 37.5  | 20      | 25.17     |      |      | Yes |

Report date: 6/12/2018 10:59:22 AM  
Printed by: wet

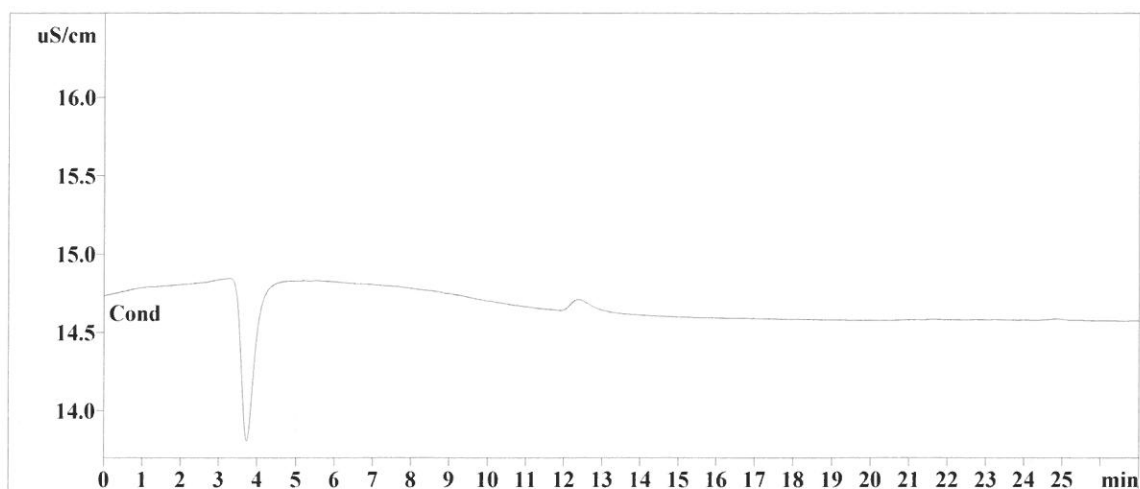
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Analysis from: 6/11/2018 10:31:49 AM  
File: \_2018-06-11\_

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

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 62553

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

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



Quantitation method: Custom

No peaks

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METROHM LTD

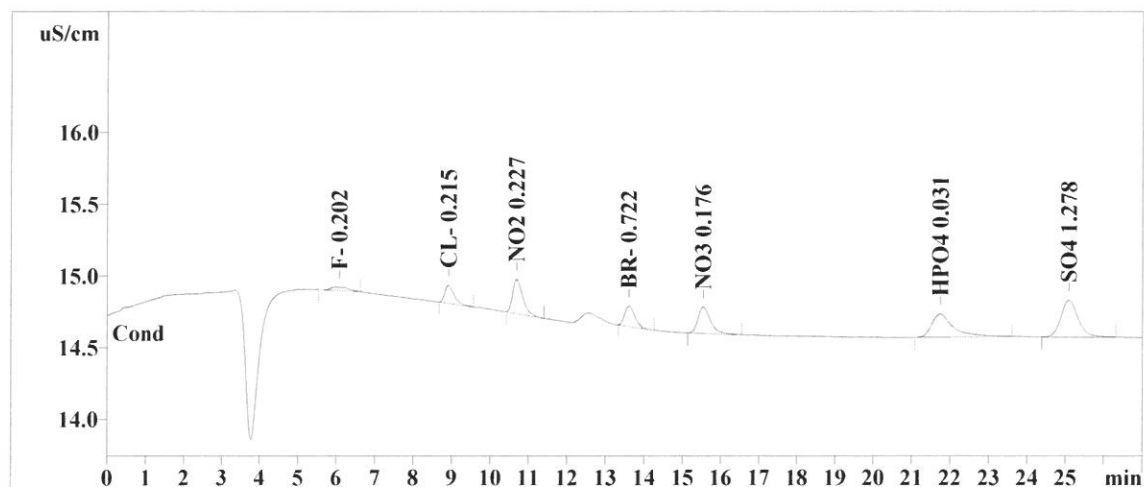
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Printed by: wet

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

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

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

SAMPLE:  
:  
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  | 6.08             | 0.531          | 0.02            | 1.96        | 0.762             | 2.65      | 0. |
| 2  | 8.91             | 0.252          | 0.13            | 11.06       | 2.138             | 7.43      | 0. |
| 3  | 10.69            | 0.278          | 0.24            | 20.99       | 4.404             | 15.31     | 0. |
| 4  | 13.61            | 0.294          | 0.14            | 12.58       | 2.719             | 9.45      | 0. |
| 5  | 15.54            | 0.336          | 0.18            | 16.14       | 4.199             | 14.60     | 0. |
| 6  | 21.74            | 0.537          | 0.16            | 14.24       | 6.472             | 22.50     | 0. |
| 7  | 25.09            | 0.467          | 0.26            | 22.64       | 8.071             | 28.06     | 0. |
| 7  | 27.00            | 0.385          | 1.13            | 99.62       | 28.765            | 100.00    | 0. |

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Report date: 6/12/2018 10:59:46 AM  
 Printed by: wet

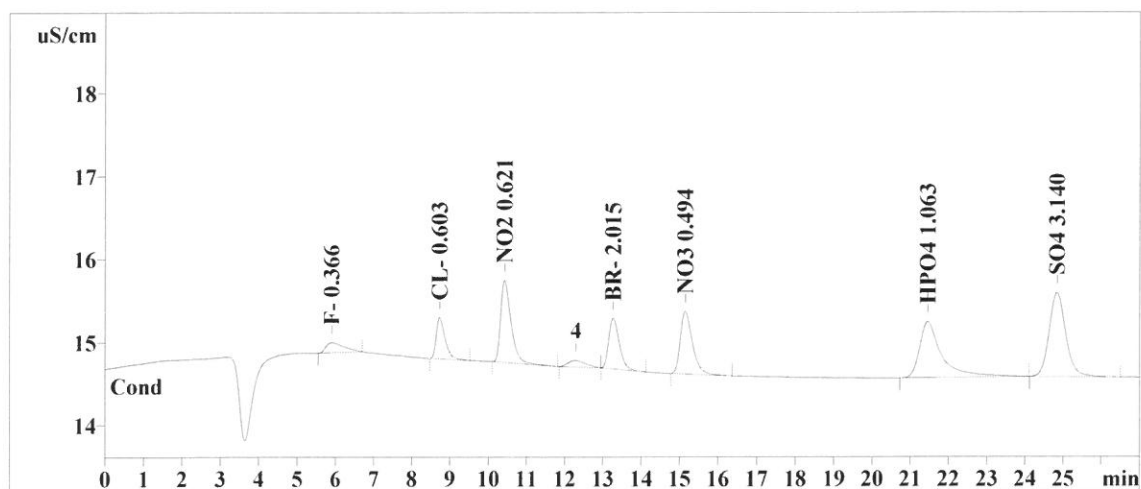
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 Analysis from: 6/11/2018 11:31:39 AM  
 File: \_2018-06-11\_

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

Method: ANIONS 06-11-18.mtw  
 Run operator: wet  
 Analysis number: 62555

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

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.90             | 0.535          | 0.12            | 2.54        | 4.025             | 3.35      | 0. |
| 2  | 8.72             | 0.244          | 0.50            | 10.49       | 8.144             | 6.78      | 0. |
| 3  | 10.42            | 0.275          | 0.99            | 20.84       | 18.613            | 15.50     | 0. |
| 4  | 13.27            | 0.292          | 0.61            | 12.83       | 11.702            | 9.75      | 0. |
| 5  | 15.15            | 0.327          | 0.75            | 15.91       | 16.597            | 13.82     | 0. |
| 6  | 21.46            | 0.519          | 0.68            | 14.27       | 27.290            | 22.73     | 0. |
| 7  | 24.83            | 0.459          | 1.01            | 21.38       | 31.205            | 25.99     | 0. |
| 7  | 27.00            | 0.379          | 4.66            | 98.25       | 117.577           | 97.93     | 0. |

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Report date: 6/12/2018 10:59:54 AM  
Printed by: wet

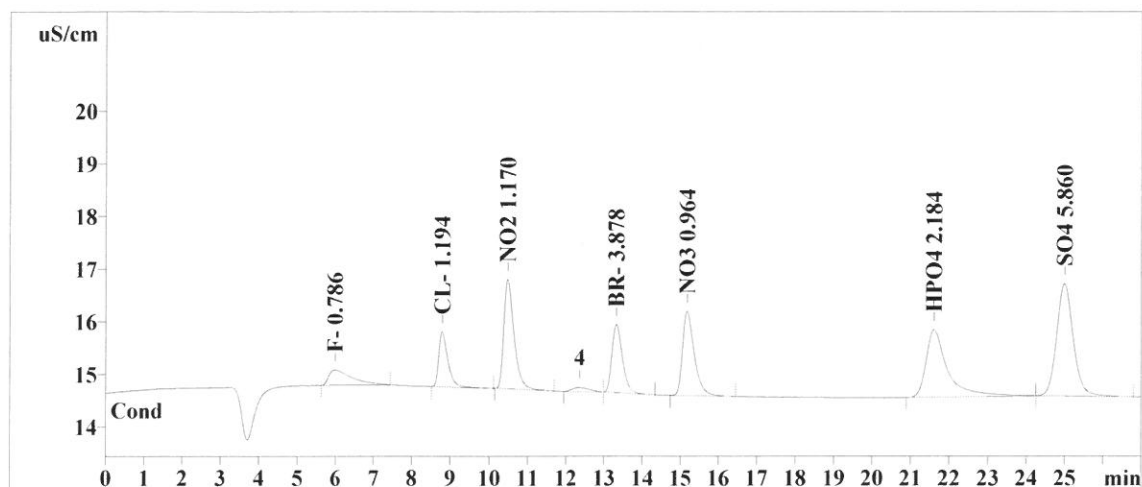
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Analysis from: 6/11/2018 12:01:34 PM  
File: \_2018-06-11\_

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

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 62556

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

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.99             | 0.624          | 0.29            | 2.96        | 12.425            | 5.07      | 0. |
| 2  | 8.79             | 0.243          | 1.04            | 10.64       | 17.274            | 7.05      | 0. |
| 3  | 10.48            | 0.272          | 2.07            | 21.17       | 38.417            | 15.68     | 0. |
| 4  | 13.32            | 0.289          | 1.29            | 13.17       | 24.644            | 10.06     | 0. |
| 5  | 15.18            | 0.323          | 1.60            | 16.36       | 34.927            | 14.25     | 0. |
| 6  | 21.61            | 0.503          | 1.28            | 13.07       | 49.889            | 20.36     | 0. |
| 7  | 24.99            | 0.454          | 2.13            | 21.79       | 64.995            | 26.52     | 0. |
| 7  | 27.00            | 0.387          | 9.72            | 99.16       | 242.571           | 98.99     | 0. |

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Report date: 6/12/2018 11:00:02 AM  
 Printed by: wet

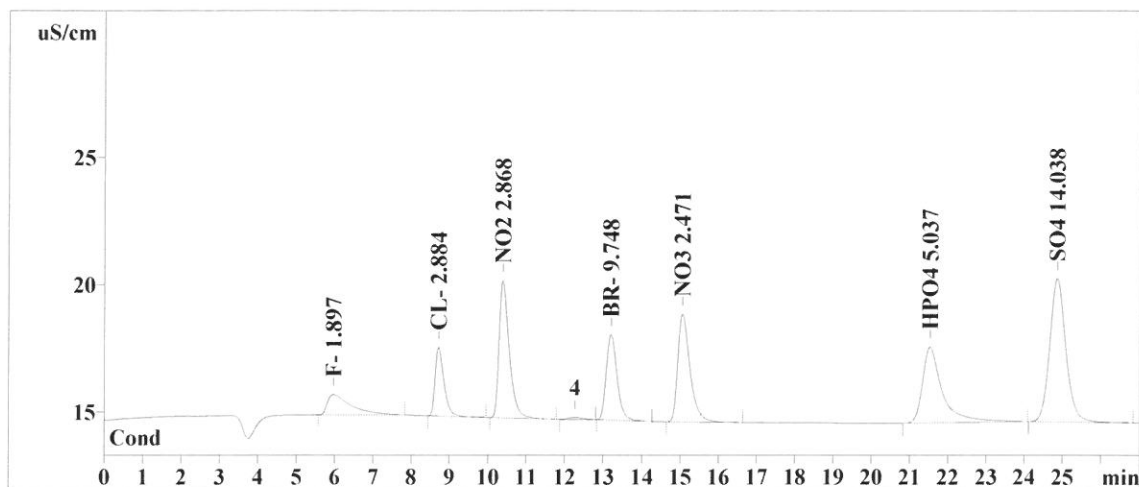
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 File: \_2018-06-11\_

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

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

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

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.97             | 0.611          | 0.80            | 3.17        | 34.621            | 5.65      | 0. |
| 2  | 8.71             | 0.239          | 2.69            | 10.69       | 43.404            | 7.08      | 0. |
| 3  | 10.39            | 0.272          | 5.39            | 21.44       | 99.643            | 16.25     | 0. |
| 4  | 13.20            | 0.295          | 3.35            | 13.33       | 65.419            | 10.67     | 0. |
| 5  | 15.06            | 0.327          | 4.23            | 16.84       | 93.684            | 15.28     | 0. |
| 6  | 21.53            | 0.472          | 2.97            | 11.82       | 107.418           | 17.52     | 0. |
| 7  | 24.86            | 0.443          | 5.62            | 22.38       | 166.568           | 27.17     | 0. |
| 7  | 27.00            | 0.380          | 25.05           | 99.67       | 610.755           | 99.63     | 0. |

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Report date: 6/12/2018 11:00:10 AM  
Printed by: wet

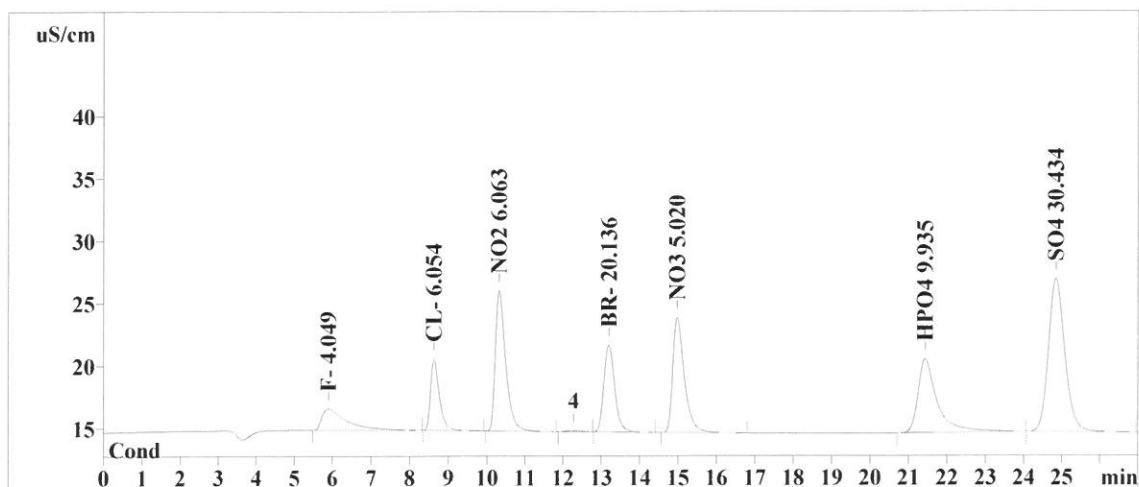
Ident: STD6  
Analysis from: 6/11/2018 1:01:24 PM  
File: \_2018-06-11\_

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

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 62558

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

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.89             | 0.619          | 1.71            | 3.22        | 77.640            | 6.00      | 0. |
| 2  | 8.62             | 0.240          | 5.68            | 10.72       | 92.398            | 7.14      | 0. |
| 3  | 10.32            | 0.283          | 11.22           | 21.16       | 214.906           | 16.61     | 0. |
| 4  | 13.20            | 0.300          | 6.96            | 13.12       | 137.582           | 10.63     | 0. |
| 5  | 14.97            | 0.307          | 9.20            | 17.35       | 193.026           | 14.92     | 0. |
| 6  | 21.43            | 0.459          | 5.92            | 11.17       | 206.201           | 15.93     | 0. |
| 7  | 24.85            | 0.453          | 12.26           | 23.12       | 370.238           | 28.61     | 0. |
| 7  | 27.00            | 0.380          | 52.95           | 99.86       | 1291.990          | 99.84     | 0. |

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Report date: 6/12/2018 11:00:19 AM  
Printed by: wet

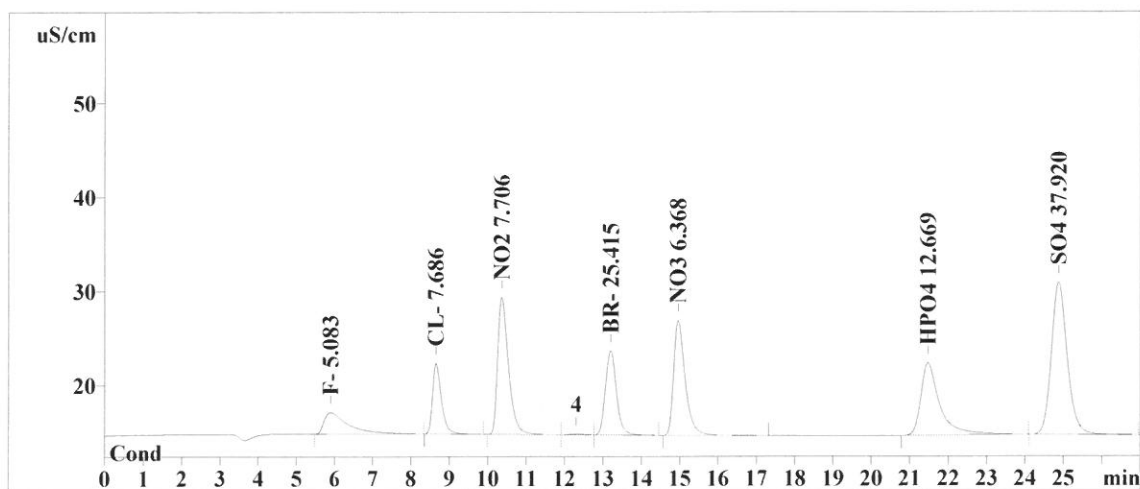
Ident: STD7  
Analysis from: 6/11/2018 1:31:19 PM  
File: \_2018-06-11\_

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

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

Last save: 6/11/2018 3:12:22 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.90             | 0.612          | 2.27            | 3.26        | 100.945           | 6.00      | 0. |
| 2  | 8.65             | 0.242          | 7.47            | 10.76       | 122.467           | 7.28      | 0. |
| 3  | 10.36            | 0.292          | 14.57           | 20.99       | 286.847           | 17.06     | 0. |
| 4  | 13.20            | 0.305          | 8.93            | 12.87       | 178.843           | 10.63     | 0. |
| 5  | 14.96            | 0.304          | 12.18           | 17.55       | 253.029           | 15.04     | 0. |
| 6  | 21.47            | 0.460          | 7.72            | 11.13       | 266.677           | 15.86     | 0. |
| 7  | 24.87            | 0.436          | 16.19           | 23.33       | 471.268           | 28.02     | 0. |
| 7  | 27.00            | 0.379          | 69.32           | 99.90       | 1680.077          | 99.90     | 0. |

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

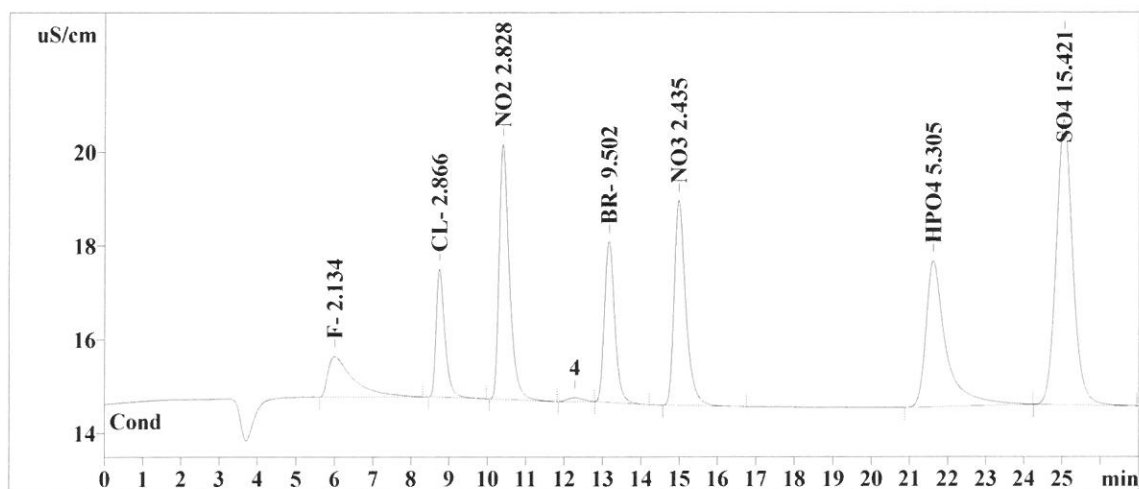
Ident: ICV  
 Analysis from: 6/11/2018 3:04:02 PM  
 File: \_2018-06-11\_

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

Method: ANIONS 06-11-18.mtw  
 Run operator: wet  
 Analysis number: 62562

Last save: 6/11/2018 3:12:22 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 6.00             | 0.638          | 0.86            | 3.30        | 40.127            | 6.20      | 0. |
| 2  | 8.74             | 0.240          | 2.73            | 10.45       | 44.246            | 6.84      | 0. |
| 3  | 10.40            | 0.274          | 5.43            | 20.80       | 101.071           | 15.62     | 0. |
| 4  | 13.16            | 0.286          | 3.43            | 13.15       | 64.790            | 10.01     | 0. |
| 5  | 14.98            | 0.317          | 4.37            | 16.74       | 94.097            | 14.54     | 0. |
| 6  | 21.62            | 0.476          | 3.12            | 11.93       | 114.385           | 17.68     | 0. |
| 7  | 25.04            | 0.459          | 6.08            | 23.29       | 185.972           | 28.74     | 0. |
| 7  | 27.00            | 0.384          | 26.03           | 99.67       | 644.688           | 99.63     | 0. |

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Report date: 6/12/2018 11:00:46 AM  
Printed by: wet

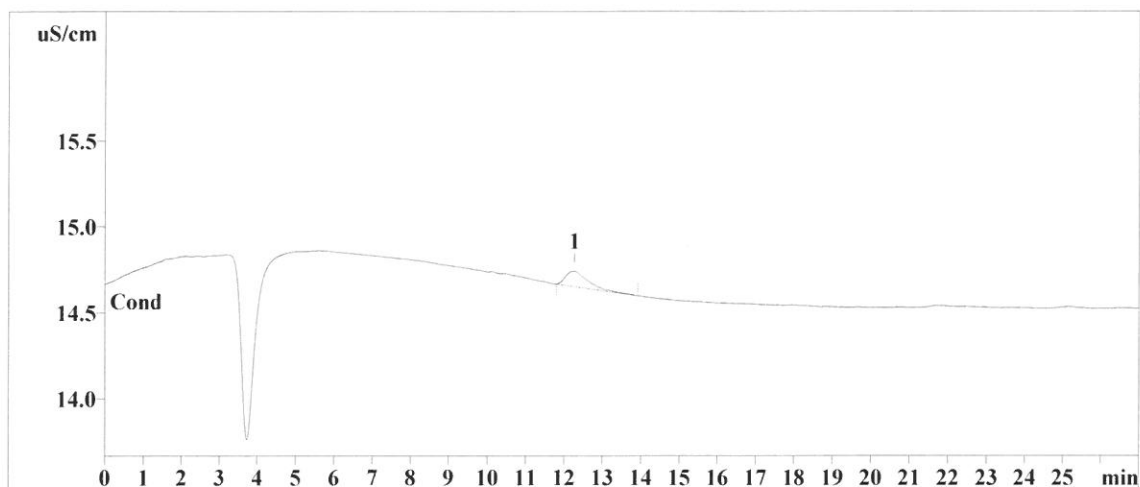
Ident: ICB  
Analysis from: 6/11/2018 3:33:57 PM  
File: \_2018-06-11\_

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

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 62563

Last save: 6/11/2018 3:12:22 PM

SAMPLE:  
: AK/AP  
Vial number: 12  
Volume: 20.0  $\mu$ 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 27.00            | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |

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Report date: 7/5/2018 12:43:21 PM  
Printed by: wet

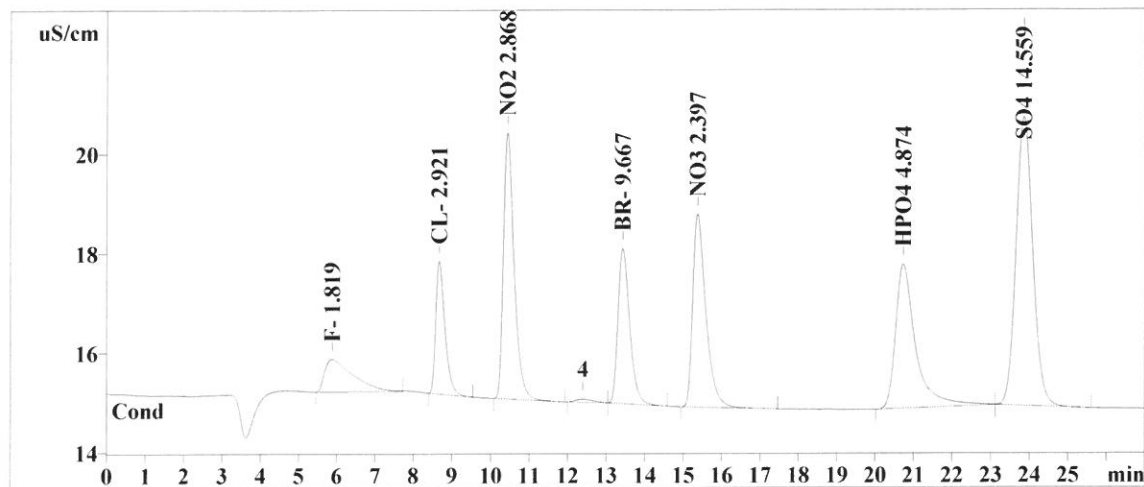
Ident: CCV  
Analysis from: 7/5/2018 11:39:53 AM  
File: \_2018-07-05\_

Last save: 7/5/2018 12:06:42 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63006

Last save: 6/15/2018 8:48:46 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  | 5.88             | 0.785          | 0.66            | 2.69        | 33.636            | 5.40      | 0. |
| 2  | 8.67             | 0.254          | 2.67            | 10.93       | 45.130            | 7.25      | 0. |
| 3  | 10.43            | 0.285          | 5.35            | 21.87       | 102.599           | 16.48     | 0. |
| 4  | 13.43            | 0.320          | 3.12            | 12.76       | 65.975            | 10.60     | 0. |
| 5  | 15.37            | 0.352          | 3.89            | 15.89       | 92.554            | 14.87     | 0. |
| 6  | 20.73            | 0.492          | 2.90            | 11.87       | 105.468           | 16.94     | 0. |
| 7  | 23.85            | 0.461          | 5.80            | 23.73       | 175.049           | 28.12     | 0. |
| 7  | 27.00            | 0.421          | 24.39           | 99.73       | 620.412           | 99.68     | 0. |

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Report date: 7/5/2018 12:43:29 PM  
Printed by: wet

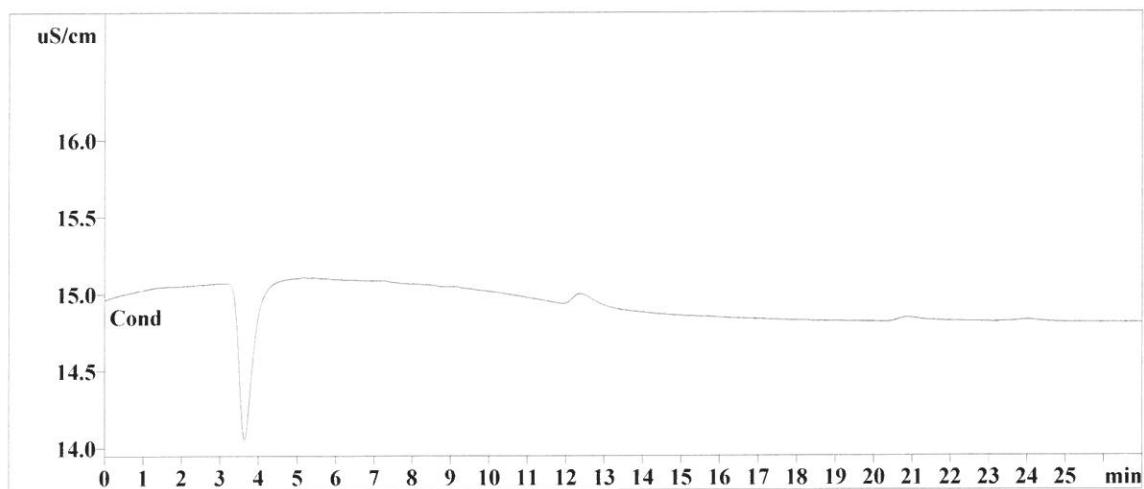
Ident: CCB  
Analysis from: 7/5/2018 12:09:48 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 12:40:18 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63007

Last save: 6/15/2018 8:48:46 AM

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



Quantitation method: Custom

No peaks

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Report date: 7/6/2018 11:01:00 AM  
Printed by: wet

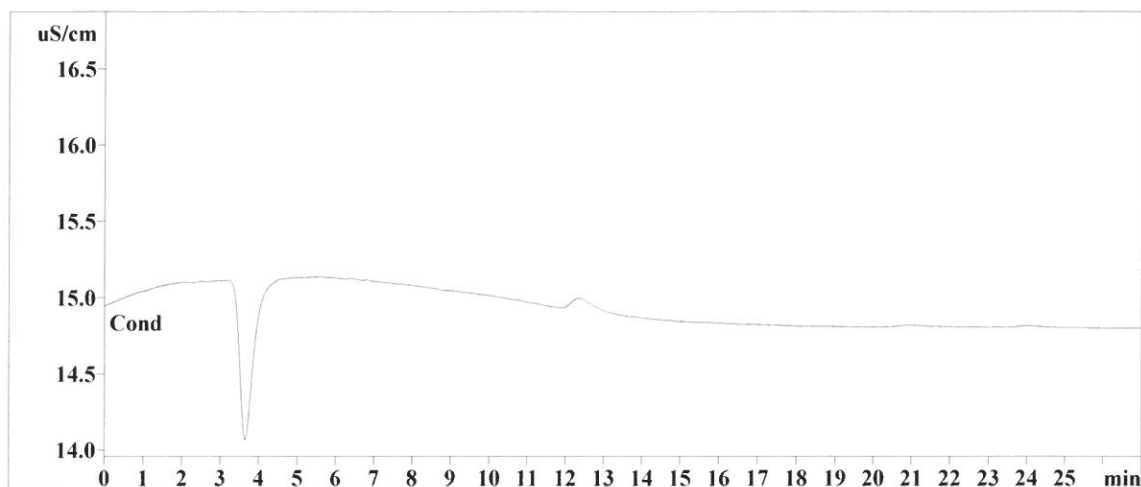
Ident: LB96466BLW  
Analysis from: 7/5/2018 12:39:44 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 11:01:00 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63008

Last save: 6/15/2018 8:48:46 AM

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: 7/6/2018 11:01:11 AM  
Printed by: wet

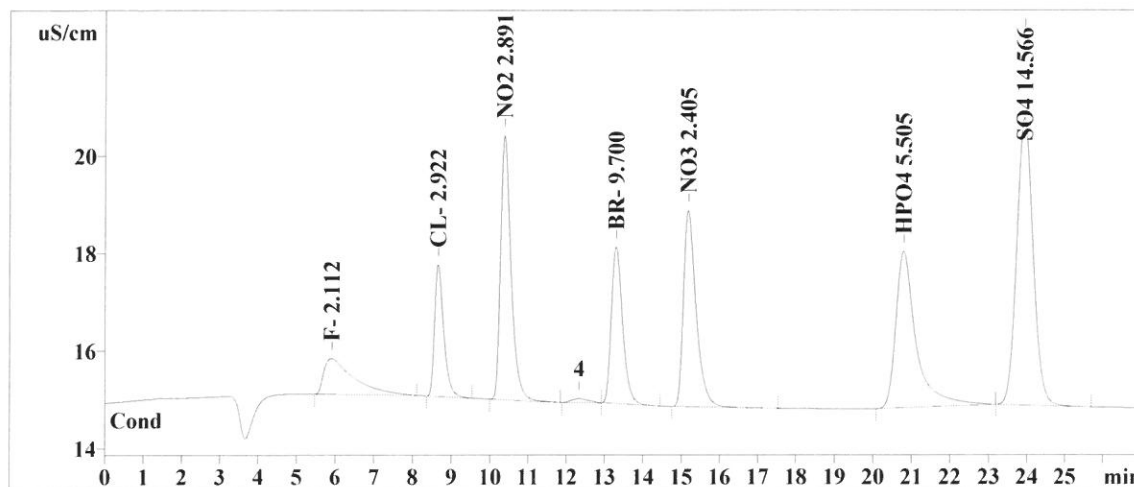
Ident: LB96466BSW  
Analysis from: 7/5/2018 1:09:39 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 11:00:08 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63009

Last save: 6/15/2018 8:48:46 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  | 5.90             | 0.762          | 0.74            | 2.91        | 39.676            | 6.17      | 0. |
| 2  | 8.65             | 0.249          | 2.71            | 10.71       | 45.162            | 7.02      | 0. |
| 3  | 10.37            | 0.282          | 5.41            | 21.42       | 103.453           | 16.08     | 0. |
| 4  | 13.30            | 0.314          | 3.21            | 12.68       | 66.209            | 10.29     | 0. |
| 5  | 15.18            | 0.342          | 4.02            | 15.92       | 92.877            | 14.43     | 0. |
| 6  | 20.79            | 0.492          | 3.21            | 12.69       | 118.521           | 18.42     | 0. |
| 7  | 23.93            | 0.453          | 5.89            | 23.33       | 175.128           | 27.22     | 0. |
| 7  | 27.00            | 0.413          | 25.19           | 99.68       | 641.026           | 99.62     | 0. |

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Report date: 7/6/2018 10:21:09 AM  
Printed by: wet

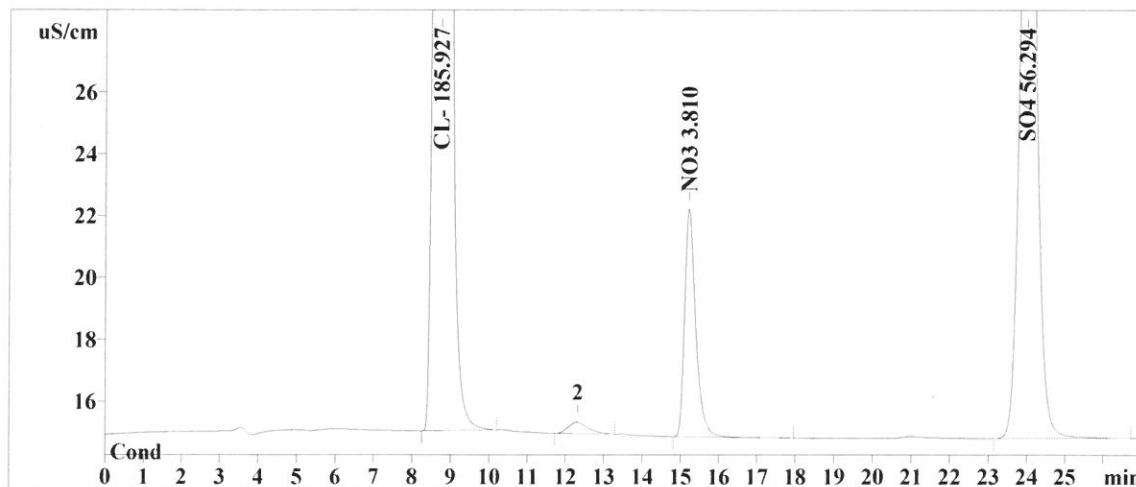
Ident: J3878-01  
Analysis from: 7/5/2018 1:39:34 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:21:10 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63010

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 70  
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  | 8.74             | 0.284          | 162.52          | 83.24       | 3014.880          | 77.66     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.21            | 0.298          | 7.36            | 3.77        | 149.664           | 3.86      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 23.99            | 0.426          | 24.98           | 12.80       | 704.244           | 18.14     | 0. |
| 7  | 27.00            | 0.144          | 194.86          | 99.80       | 3868.789          | 99.65     | 0. |

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Report date: 7/6/2018 10:21:31 AM  
Printed by: wet

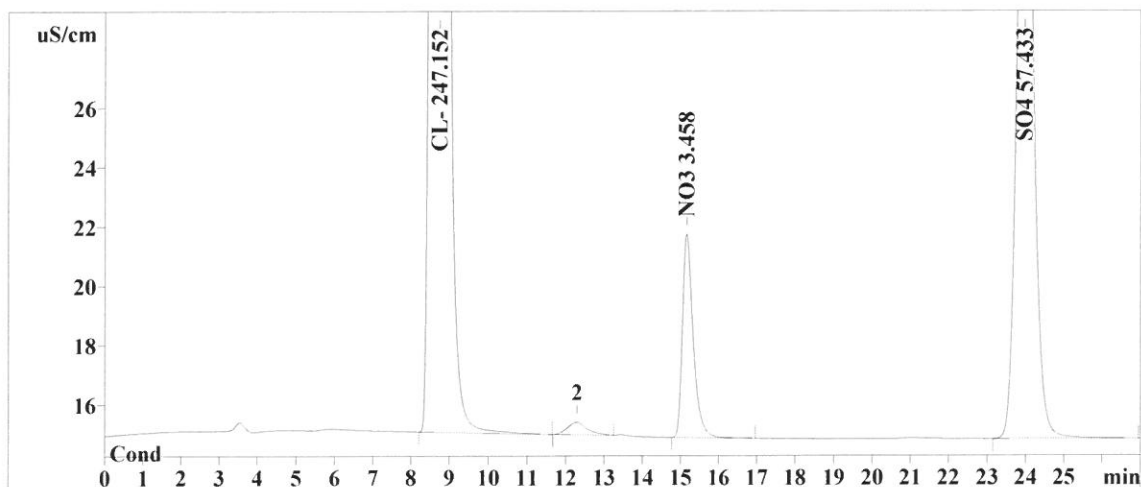
Ident: J3878-03  
Analysis from: 7/5/2018 2:09:30 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:21:32 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63011

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 71  
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  | 8.73             | 0.304          | 203.74          | 85.98       | 4008.406          | 82.18     | 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  | 15.16            | 0.289          | 6.86            | 2.89        | 135.418           | 2.78      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 23.96            | 0.419          | 25.94           | 10.95       | 718.684           | 14.73     | 0. |
| 7  | 27.00            | 0.145          | 236.54          | 99.82       | 4862.508          | 99.69     | 0. |

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Report date: 7/6/2018 10:21:43 AM  
Printed by: wet

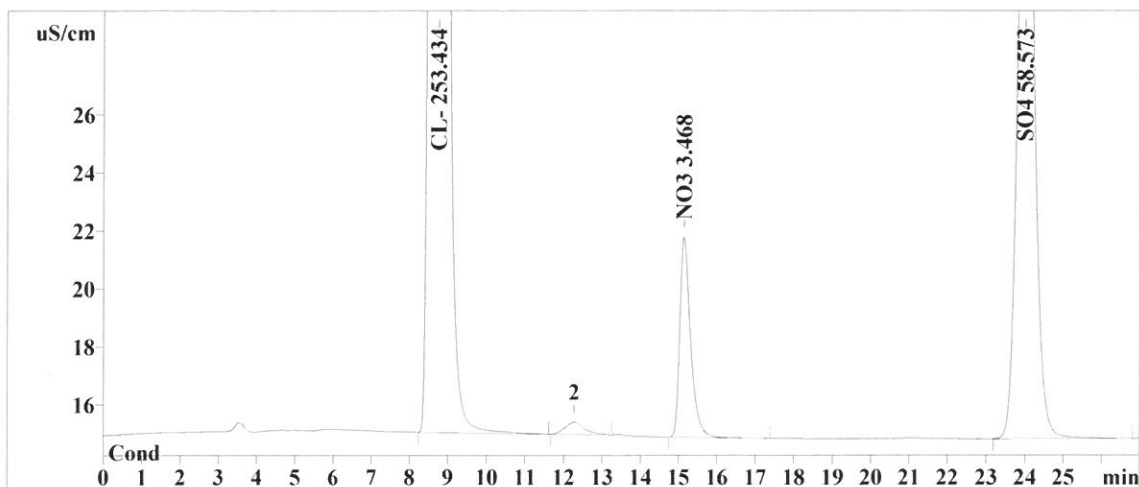
Ident: J3878-04  
Analysis from: 7/5/2018 2:39:25 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 3:06:14 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63012

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 72  
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  | 8.75             | 0.304          | 208.49          | 86.03       | 4110.356          | 82.30     | 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  | 15.14            | 0.288          | 6.91            | 2.85        | 135.832           | 2.72      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 23.99            | 0.418          | 26.51           | 10.94       | 733.147           | 14.68     | 0. |
| 7  | 27.00            | 0.144          | 241.91          | 99.82       | 4979.336          | 99.70     | 0. |

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Report date: 7/6/2018 10:22:00 AM  
Printed by: wet

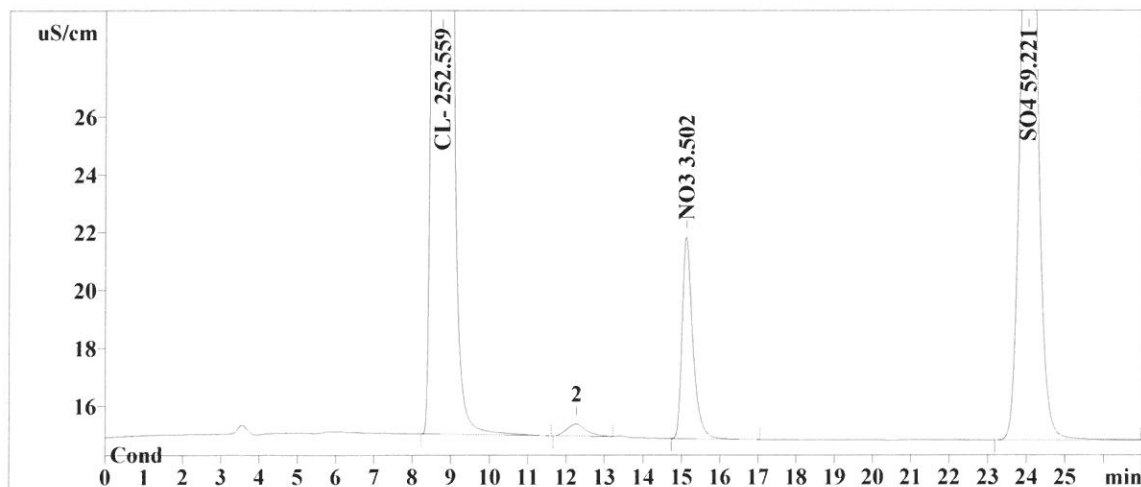
Ident: J3878-04DUP  
Analysis from: 7/5/2018 3:09:21 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 3:36:10 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63013

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 73  
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  | 8.76             | 0.303          | 208.82          | 85.98       | 4096.145          | 82.10     | 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  | 15.12            | 0.289          | 6.96            | 2.87        | 137.208           | 2.75      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.02            | 0.420          | 26.64           | 10.97       | 741.358           | 14.86     | 0. |
| 7  | 27.00            | 0.145          | 242.42          | 99.82       | 4974.711          | 99.71     | 0. |

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Report date: 7/6/2018 10:22:32 AM  
Printed by: wet

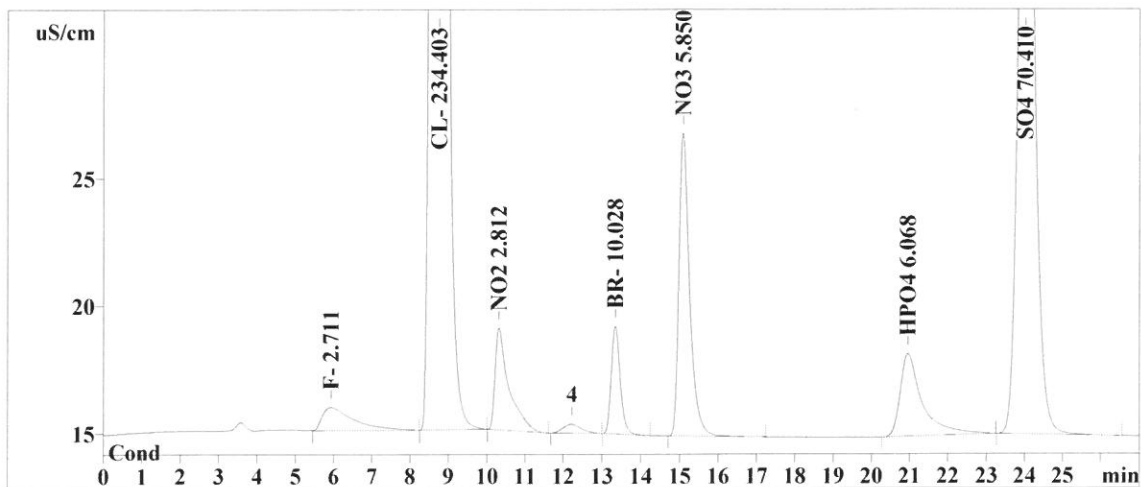
Ident: J3878-04MS  
Analysis from: 7/5/2018 3:39:16 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 4:06:06 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63014

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 74  
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  | 5.93             | 0.820          | 0.90            | 0.36        | 52.037            | 0.99      | 0. |
| 2  | 8.75             | 0.298          | 197.07          | 77.72       | 3801.532          | 72.00     | 0. |
| 3  | 10.32            | 0.315          | 3.99            | 1.57        | 100.464           | 1.90      | 0. |
| 4  | 13.34            | 0.246          | 4.22            | 1.66        | 68.559            | 1.30      | 0. |
| 5  | 15.09            | 0.285          | 11.88           | 4.68        | 232.089           | 4.40      | 0. |
| 6  | 20.96            | 0.515          | 3.25            | 1.28        | 130.157           | 2.47      | 0. |
| 7  | 24.01            | 0.420          | 31.89           | 12.58       | 883.236           | 16.73     | 0. |
| 7  | 27.00            | 0.414          | 253.20          | 99.86       | 5268.074          | 99.78     | 0. |

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Report date: 7/6/2018 10:22:53 AM  
Printed by: wet

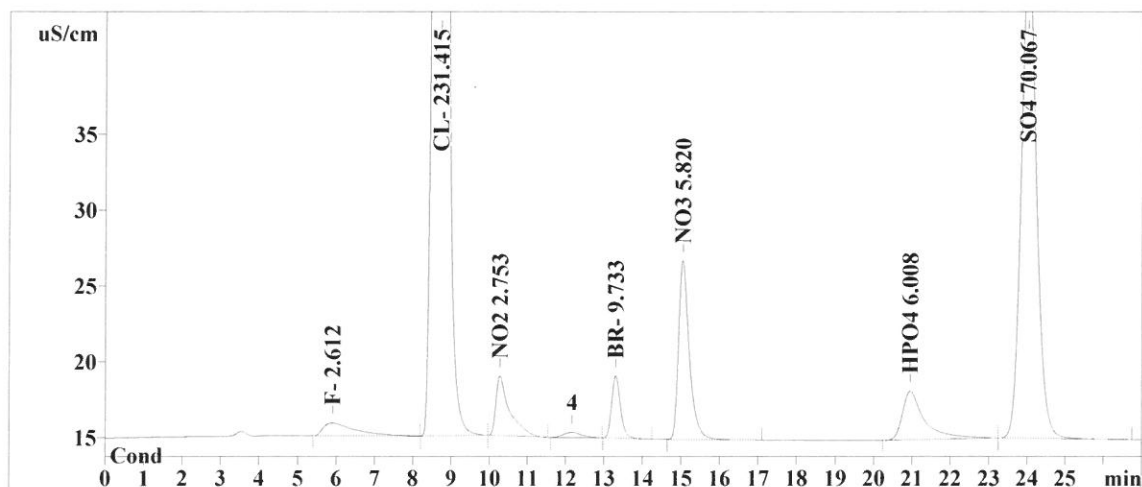
Ident: J3878-04MSD  
Analysis from: 7/5/2018 4:09:11 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 4:36:00 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63015

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 75  
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  | 5.90             | 0.836          | 0.86            | 0.34        | 49.992            | 0.96      | 0. |
| 2  | 8.71             | 0.292          | 198.88          | 78.05       | 3753.029          | 71.93     | 0. |
| 3  | 10.27            | 0.315          | 3.92            | 1.54        | 98.212            | 1.88      | 0. |
| 4  | 13.30            | 0.245          | 4.10            | 1.61        | 66.444            | 1.27      | 0. |
| 5  | 15.04            | 0.286          | 11.76           | 4.61        | 230.884           | 4.43      | 0. |
| 6  | 20.95            | 0.516          | 3.20            | 1.26        | 128.917           | 2.47      | 0. |
| 7  | 24.00            | 0.419          | 31.75           | 12.46       | 878.893           | 16.84     | 0. |
| 7  | 27.00            | 0.416          | 254.47          | 99.86       | 5206.370          | 99.78     | 0. |

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Report date: 7/6/2018 10:23:18 AM  
Printed by: wet

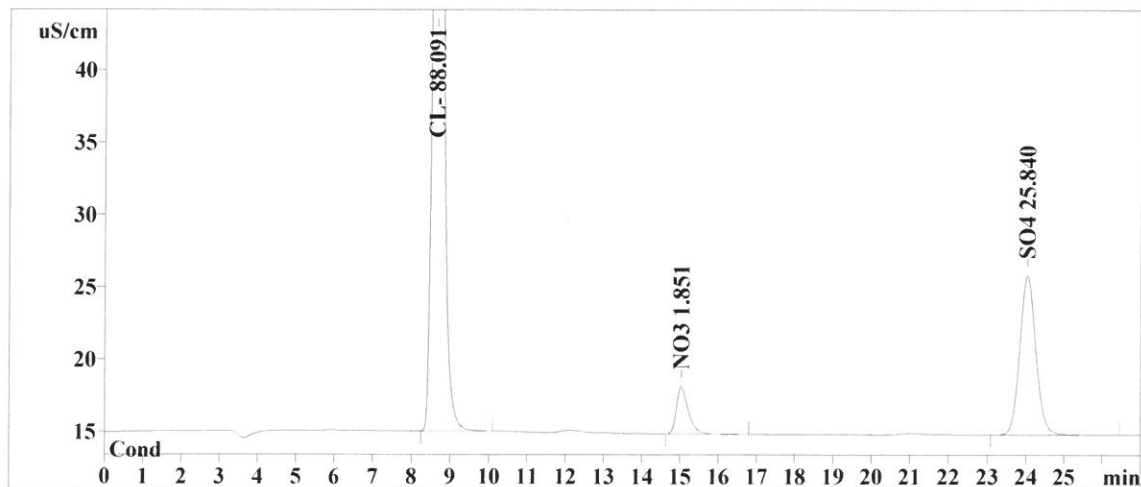
Ident: J3878-01DLX2  
Analysis from: 7/5/2018 4:39:06 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:23:14 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63016

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 76  
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  | 8.65             | 0.244          | 88.12           | 86.09       | 1427.243          | 78.60     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.03            | 0.321          | 3.25            | 3.18        | 70.473            | 3.88      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.03            | 0.438          | 10.99           | 10.73       | 318.088           | 17.52     | 0. |
| 7  | 27.00            | 0.143          | 102.37          | 100.00      | 1815.804          | 100.00    | 0. |

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Report date: 7/6/2018 10:23:48 AM  
Printed by: wet

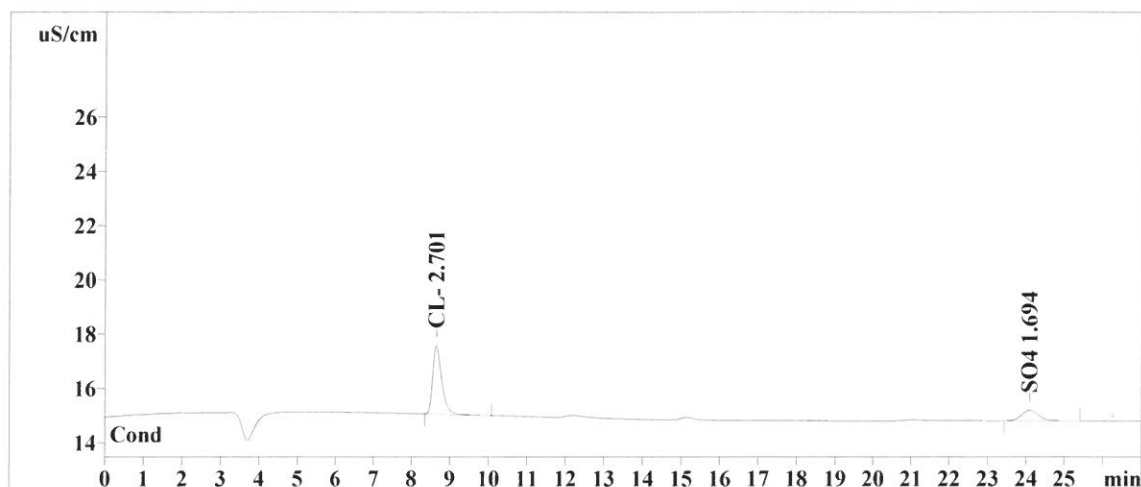
Ident: J3878-01DL2X50  
Analysis from: 7/5/2018 5:09:01 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:23:48 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63017

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 77  
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  | 8.64             | 0.245          | 2.51            | 86.59       | 41.566            | 77.72     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.09            | 0.467          | 0.39            | 13.37       | 11.917            | 22.28     | 0. |
| 7  | 27.00            | 0.102          | 2.90            | 99.96       | 53.483            | 100.00    | 0. |

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Report date: 7/6/2018 10:23:58 AM  
Printed by: wet

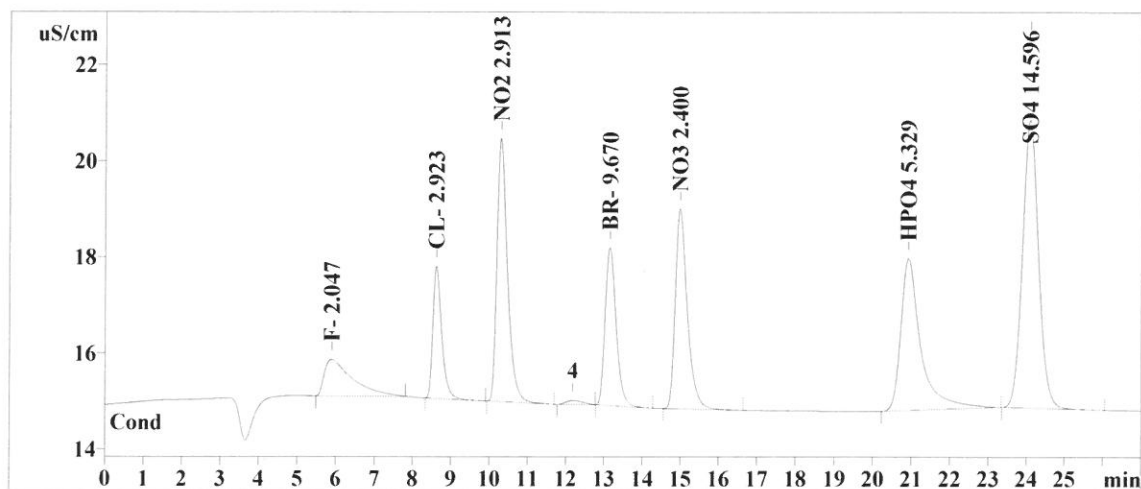
Ident: CCV  
Analysis from: 7/5/2018 5:38:56 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 6:05:46 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63018

Last save: 6/15/2018 8:48:46 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  | 5.89             | 0.725          | 0.76            | 2.97        | 38.339            | 6.00      | 0. |
| 2  | 8.61             | 0.245          | 2.75            | 10.71       | 45.175            | 7.07      | 0. |
| 3  | 10.29            | 0.282          | 5.47            | 21.33       | 104.306           | 16.31     | 0. |
| 4  | 13.15            | 0.306          | 3.28            | 12.79       | 65.996            | 10.32     | 0. |
| 5  | 14.98            | 0.331          | 4.16            | 16.21       | 92.664            | 14.49     | 0. |
| 6  | 20.91            | 0.481          | 3.16            | 12.33       | 114.879           | 17.97     | 0. |
| 7  | 24.08            | 0.446          | 5.99            | 23.34       | 175.519           | 27.45     | 0. |
| 7  | 27.00            | 0.402          | 25.56           | 99.67       | 636.879           | 99.61     | 0. |

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Report date: 7/6/2018 10:24:07 AM  
Printed by: wet

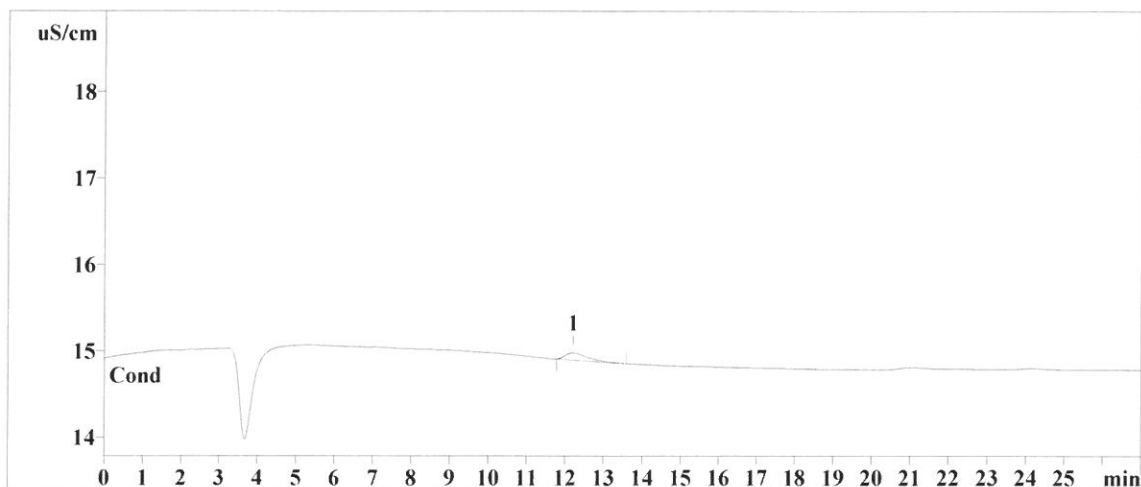
Ident: CCB  
Analysis from: 7/5/2018 6:08:50 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 6:35:40 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63019

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 27.00            | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |

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Report date: 7/6/2018 10:24:31 AM  
Printed by: wet

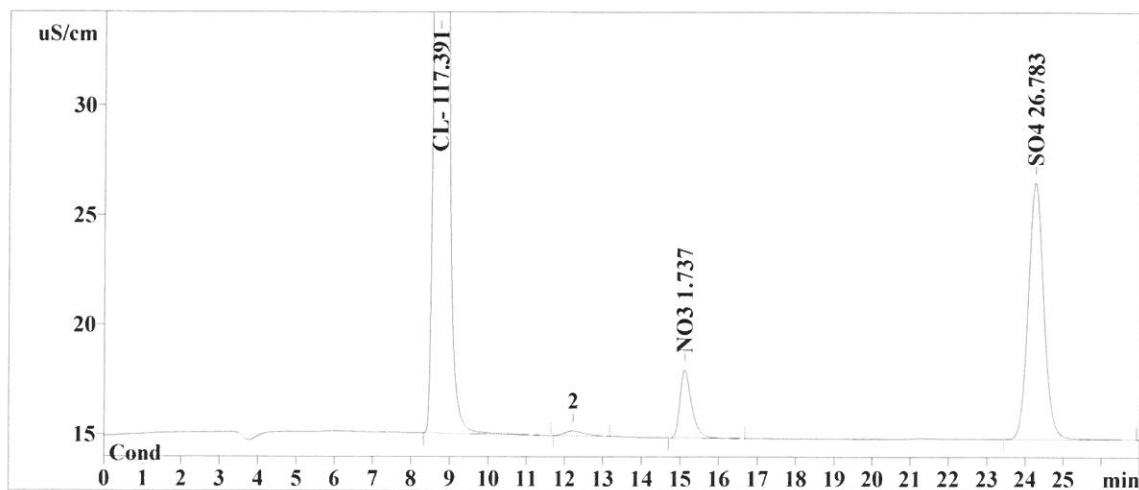
Ident: J3878-03DLX2  
Analysis from: 7/5/2018 6:38:45 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:24:32 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63020

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 78  
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  | 8.73             | 0.252          | 114.45          | 88.41       | 1902.709          | 82.49     | 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  | 15.11            | 0.316          | 3.09            | 2.39        | 65.886            | 2.86      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.25            | 0.426          | 11.68           | 9.02        | 330.041           | 14.31     | 0. |
| 7  | 27.00            | 0.142          | 129.22          | 99.83       | 2298.636          | 99.66     | 0. |

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Report date: 7/6/2018 10:24:54 AM  
Printed by: wet

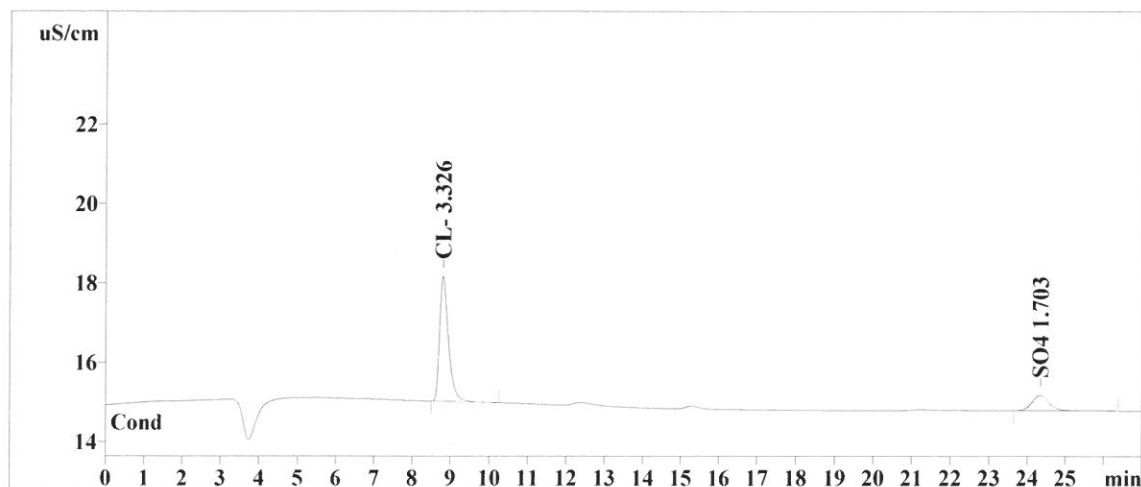
Ident: J3878-03DL2X50  
Analysis from: 7/5/2018 7:08:40 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:24:50 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63021

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 79  
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  | 8.80             | 0.244          | 3.15            | 89.22       | 51.705            | 81.13     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.34            | 0.477          | 0.38            | 10.76       | 12.030            | 18.87     | 0. |
| 7  | 27.00            | 0.103          | 3.53            | 99.99       | 63.735            | 100.00    | 0. |

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Report date: 7/6/2018 10:25:09 AM  
Printed by: wet

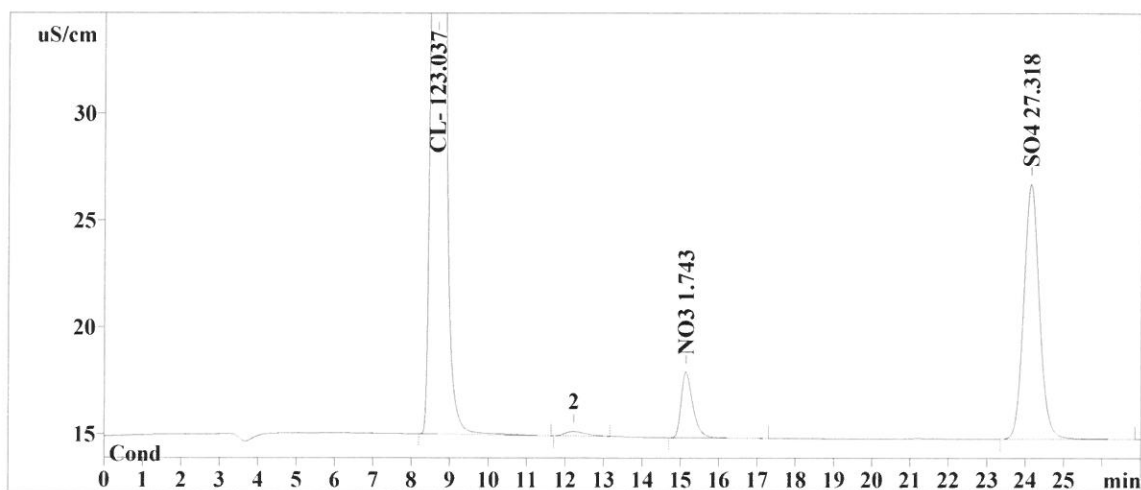
Ident: J3878-04DLX2  
Analysis from: 7/5/2018 7:38:35 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 8:05:24 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63022

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 80  
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  | 8.66             | 0.257          | 117.42          | 88.53       | 1994.332          | 82.92     | 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  | 15.14            | 0.317          | 3.08            | 2.32        | 66.139            | 2.75      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.14            | 0.426          | 11.91           | 8.98        | 336.822           | 14.00     | 0. |
| 7  | 27.00            | 0.143          | 132.41          | 99.84       | 2397.293          | 99.68     | 0. |

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Report date: 7/6/2018 10:25:30 AM  
Printed by: wet

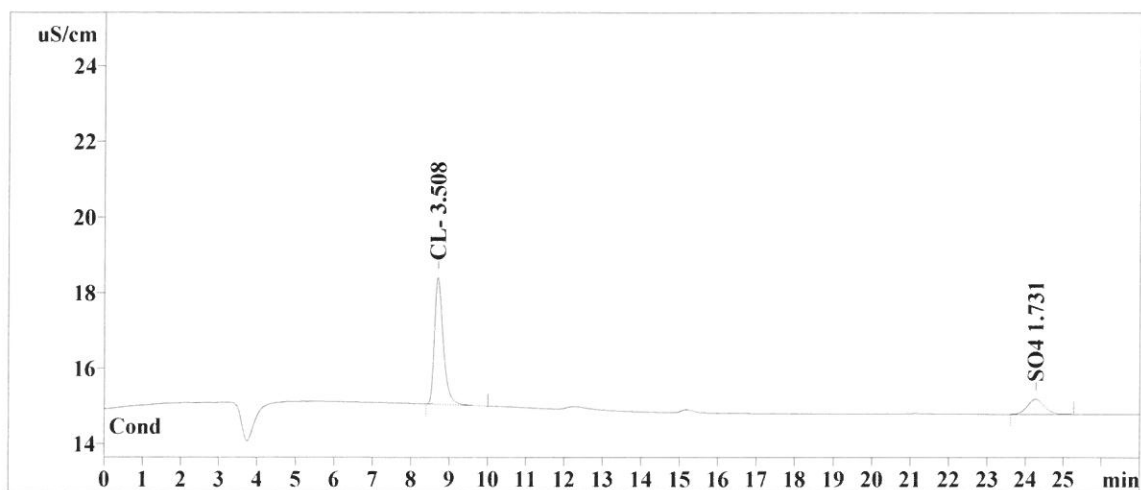
Ident: J3878-04DL2X50  
Analysis from: 7/5/2018 8:08:30 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:25:26 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63023

Last save: 6/15/2018 8:48:46 AM

SAMPLE:  
: AK/AP  
Vial number: 81  
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  | 8.69             | 0.242          | 3.35            | 89.34       | 54.658            | 81.53     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.27            | 0.474          | 0.40            | 10.65       | 12.379            | 18.47     | 0. |
| 7  | 27.00            | 0.102          | 3.75            | 99.99       | 67.037            | 100.00    | 0. |

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Report date: 7/6/2018 10:25:46 AM  
Printed by: wet

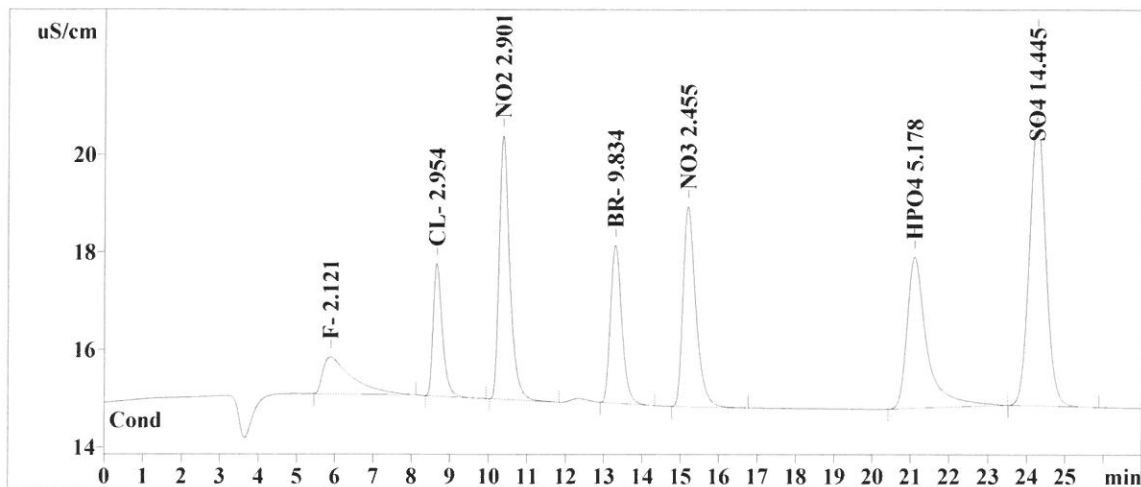
Ident: CCV  
Analysis from: 7/5/2018 8:38:25 PM  
File: \_2018-07-05\_

Last save: 7/5/2018 9:05:14 PM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63024

Last save: 6/15/2018 8:48:46 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  | 5.88             | 0.746          | 0.75            | 2.99        | 39.868            | 6.26      | 0. |
| 2  | 8.65             | 0.251          | 2.71            | 10.77       | 45.680            | 7.17      | 0. |
| 3  | 10.37            | 0.284          | 5.40            | 21.45       | 103.847           | 16.31     | 0. |
| 4  | 13.29            | 0.316          | 3.23            | 12.84       | 67.167            | 10.55     | 0. |
| 5  | 15.19            | 0.345          | 4.09            | 16.24       | 94.905            | 14.90     | 0. |
| 6  | 21.10            | 0.481          | 3.09            | 12.28       | 111.755           | 17.55     | 0. |
| 7  | 24.25            | 0.448          | 5.90            | 23.42       | 173.600           | 27.26     | 0. |
| 7  | 27.00            | 0.410          | 25.17           | 99.99       | 636.823           | 100.00    | 0. |

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Report date: 7/6/2018 10:26:03 AM  
Printed by: wet

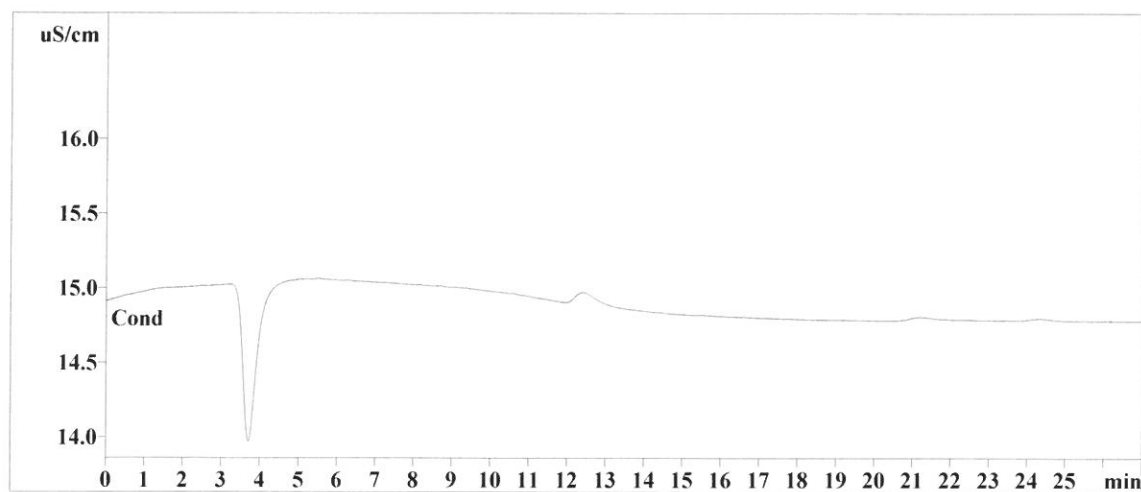
Ident: CCB  
Analysis from: 7/5/2018 9:08:20 PM  
File: \_2018-07-05\_

Last save: 7/6/2018 10:26:02 AM

Method: ANIONS 06-11-18.mtw  
Run operator: wet  
Analysis number: 63025

Last save: 6/15/2018 8:48:46 AM

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



Quantitation method: Custom

No peaks

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