

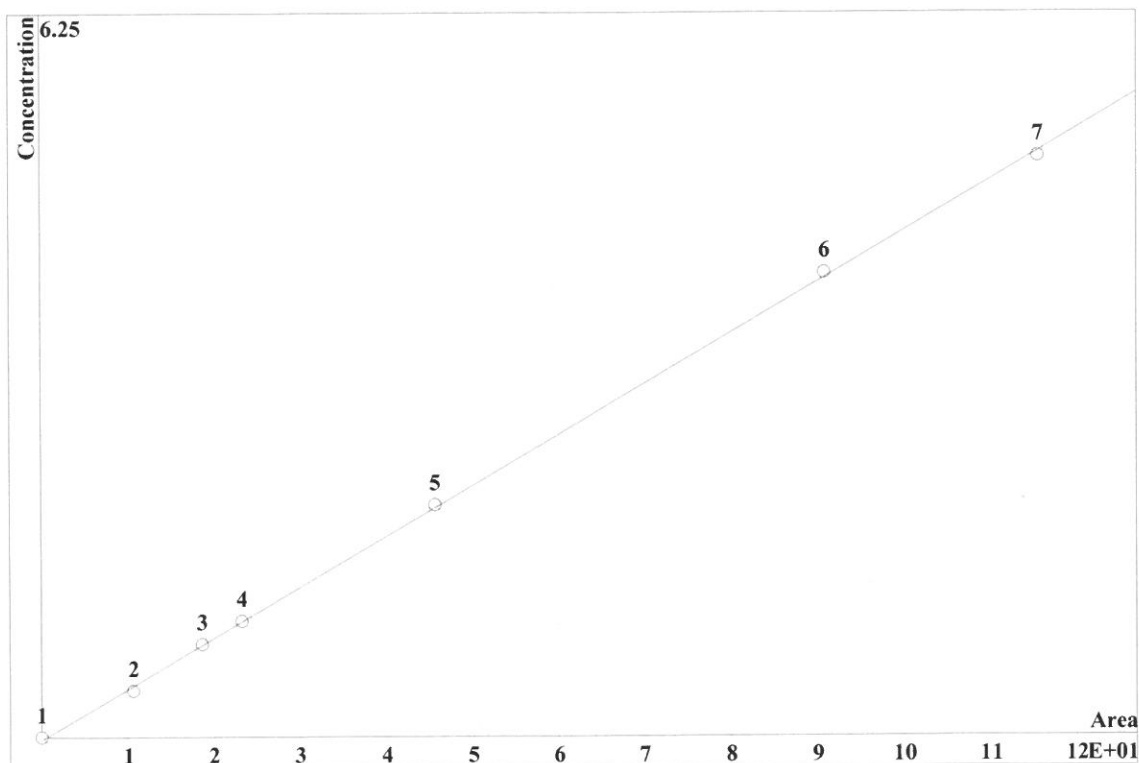
Clear table

| Instrument ID: IC-1 |                      |                       |                        |                        |                        |                         |                        |             |               | Analyst : AP             |         | Method: 300.0 |  |
|---------------------|----------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------|---------------|--------------------------|---------|---------------|--|
| ident               | concentra<br>tion F- | concentratio<br>n CL- | concentratio<br>on NO2 | concentratio<br>on BR- | concentratio<br>on NO3 | concentratio<br>on HPO4 | concentratio<br>on SO4 | file name   | date time     | Initial wt/<br>Final Vol | Analyst |               |  |
| STD1                | 0.0000               | 0.0000                | 0.0000                 | 0.0000                 | 0.0000                 | 0.0000                  | 0.0000                 | 2021-06-08_ | 6/8/21 8:56   |                          | AP/MA   |               |  |
| STD2                | 0.4410               | 0.6970                | 0.7050                 | 2.3390                 | 0.6050                 | 0.9350                  | 3.4730                 | 2021-06-08_ | 6/8/21 9:26   |                          | AP/MA   |               |  |
| STD3                | 0.7910               | 1.2190                | 1.2380                 | 4.0630                 | 1.0300                 | 2.0020                  | 6.1500                 | 2021-06-08_ | 6/8/21 9:56   |                          | AP/MA   |               |  |
| STD4                | 0.9930               | 1.4940                | 1.4940                 | 5.0270                 | 1.2640                 | 2.4850                  | 7.3880                 | 2021-06-08_ | 6/8/21 10:26  |                          | AP/MA   |               |  |
| STD5                | 1.9750               | 2.8950                | 2.8390                 | 9.5610                 | 2.3610                 | 5.1340                  | 14.5440                | 2021-06-08_ | 6/8/21 10:56  |                          | AP/MA   |               |  |
| STD6                | 3.9570               | 5.8540                | 5.9080                 | 19.5340                | 4.8250                 | 9.9590                  | 29.2190                | 2021-06-08_ | 6/8/21 11:26  |                          | AP/MA   |               |  |
| STD7                | 5.0430               | 7.6410                | 7.6170                 | 25.4750                | 6.4150                 | 12.4850                 | 38.2250                | 2021-06-08_ | 6/8/21 11:56  |                          | AP/MA   |               |  |
| ICV                 | 1.9730               | 2.9600                | 2.8860                 | 9.8620                 | 2.3940                 | 4.9450                  | 14.3090                | 2021-06-08_ | 6/8/21 12:33  |                          | AP/MA   |               |  |
| ICB                 | 0.0000               | 0.0000                | 0.0000                 | 0.0000                 | 0.0000                 | 0.0000                  | 0.0000                 | 2021-06-08_ | 6/8/21 13:04  |                          | AP/MA   |               |  |
| CCV                 | 2.0990               | 3.2040                | 3.2280                 | 10.5940                | 2.6220                 | 4.2920                  | 15.7030                | 2021-06-24_ | 6/24/21 9:28  |                          | AP/MA   |               |  |
| CCB                 | 0.0000               | 0.0000                | 0.0000                 | 0.0000                 | 0.0000                 | 0.0000                  | 0.0000                 | 2021-06-24_ | 6/24/21 9:57  |                          | AP/MA   |               |  |
| LB115074BLW         | 0.0000               | 0.0000                | 0.0000                 | 0.0000                 | 0.0000                 | 0.0000                  | 0.0000                 | 2021-06-24_ | 6/24/21 10:27 |                          | AP/MA   |               |  |
| LB115074BSW         | 2.0470               | 3.0690                | 3.0750                 | 10.1270                | 2.4910                 | 4.4310                  | 14.9340                | 2021-06-24_ | 6/24/21 10:57 |                          | AP/MA   |               |  |
| M2840-01            | 17.0420              | 160.0380              | 0.3600                 | 0.0000                 | 0.5360                 | 0.0000                  | 205.6550               | 2021-06-24_ | 6/24/21 11:27 |                          | AP/MA   |               |  |
| M2840-02            | 0.2750               | 328.5490              | 0.0000                 | 0.7500                 | 0.0000                 | 0.0000                  | 8.2420                 | 2021-06-24_ | 6/24/21 11:57 |                          | AP/MA   |               |  |
| M2840-03            | 0.1470               | 426.9560              | 0.0000                 | 0.6630                 | 0.0000                 | 0.0000                  | 7.1530                 | 2021-06-24_ | 6/24/21 12:27 |                          | AP/MA   |               |  |
| M2840-04            | 0.1530               | 427.5730              | 0.0000                 | 0.6590                 | 0.0000                 | 0.0000                  | 7.1160                 | 2021-06-24_ | 6/24/21 12:57 |                          | AP/MA   |               |  |
| M2840-01MS          | 18.1190              | 155.4250              | 2.9860                 | 10.1100                | 2.8310                 | 5.8780                  | 213.7450               | 2021-06-24_ | 6/24/21 13:27 |                          | AP/MA   |               |  |
| M2840-01MSD         | 18.3510              | 156.2760              | 3.0690                 | 10.3560                | 2.8830                 | 6.0350                  | 213.3940               | 2021-06-24_ | 6/24/21 13:57 |                          | AP/MA   |               |  |
| CCV                 | 2.0240               | 3.1660                | 3.1680                 | 10.4750                | 2.5950                 | 4.9530                  | 15.5420                | 2021-06-24_ | 6/24/21 14:27 |                          | AP/MA   |               |  |
| CCB                 | 0.0000               | 0.0000                | 0.0000                 | 0.0000                 | 0.0000                 | 0.0000                  | 0.0000                 | 2021-06-24_ | 6/24/21 14:57 |                          | AP/MA   |               |  |

CALIBRATION OF COMPONENT F-

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 0.877953 \cdot A - 0.531723$   
 RSD: 1.777 %  
 Correlation coefficient: 0.999828

TC-1  
 6/08/2021  
 AM

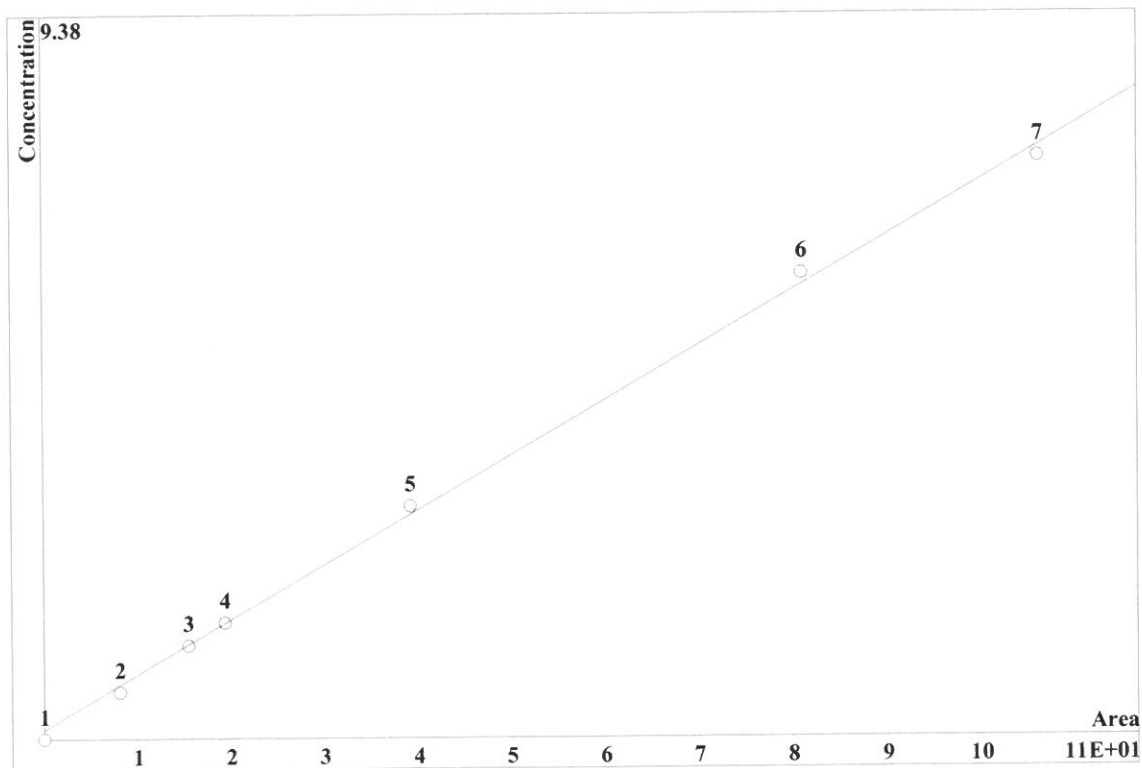


K3 = 0      K2 = 0      K1 = 0.877953      K0 = -0.531723  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.7832 | 10.65 | 0.4   | 20      | 5.719     |      |      | Yes |
| 3     | 1.483  | 18.63 | 0.8   | 20      | 5.719     |      |      | Yes |
| 4     | 1.847  | 23.24 | 1     | 20      | 5.719     |      |      | Yes |
| 5     | 3.72   | 45.59 | 2     | 20      | 5.719     |      |      | Yes |
| 6     | 7.72   | 90.75 | 4     | 20      | 5.719     |      |      | Yes |
| 7     | 9.798  | 115.5 | 5     | 20      | 5.719     |      |      | Yes |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 1.41714 \cdot A + 2.40057$   
 RSD: 3.779 %  
 Correlation coefficient: 0.999221

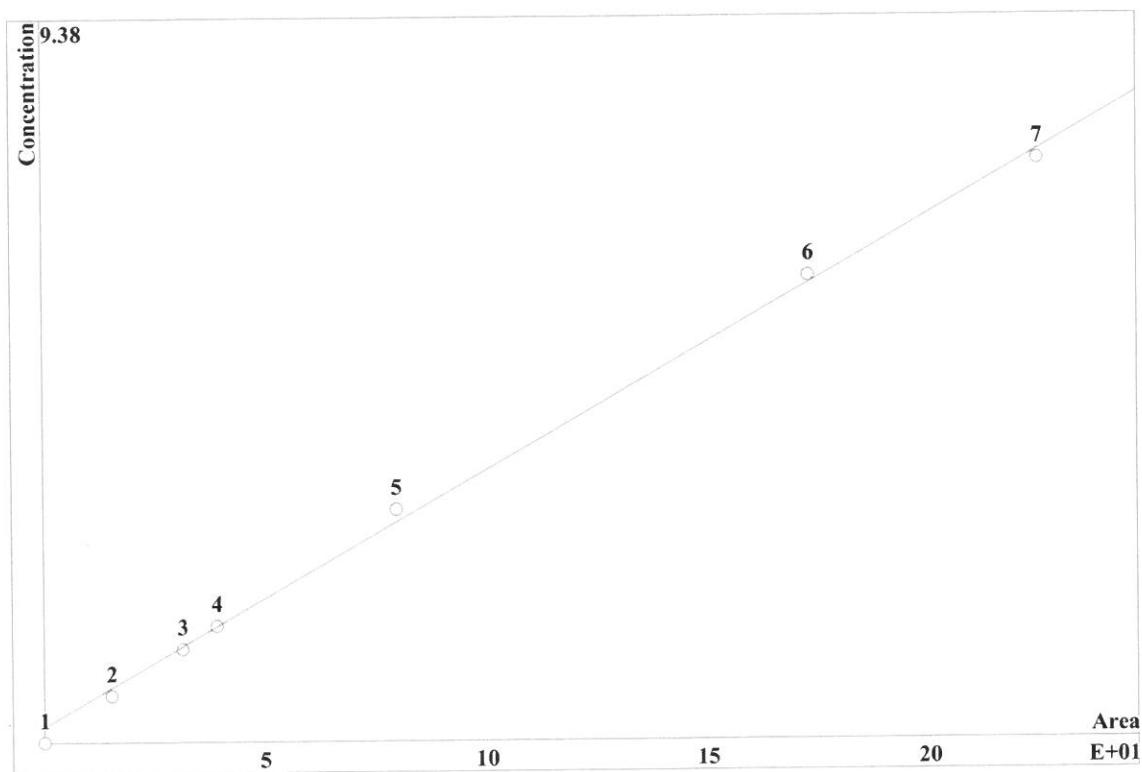


K3 = 0      K2 = 0      K1 = 1.41714      K0 = 2.40057  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         | 0    | 0    | No  |
| 2     | 0.6917 | 8.146 | 0.6   | 20      | 8.802     | Yes  |      | Yes |
| 3     | 1.325  | 15.51 | 1.2   | 20      | 8.802     | Yes  |      | Yes |
| 4     | 1.669  | 19.39 | 1.5   | 20      | 8.802     | Yes  |      | Yes |
| 5     | 3.393  | 39.16 | 3     | 20      | 8.802     | Yes  |      | Yes |
| 6     | 7.171  | 80.92 | 6     | 20      | 8.802     | Yes  |      | Yes |
| 7     | 9.471  | 106.1 | 7.5   | 20      | 8.802     | Yes  |      | Yes |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 0.659931 \cdot A + 3.9931$   
 RSD: 3.732 %  
 Correlation coefficient: 0.999241

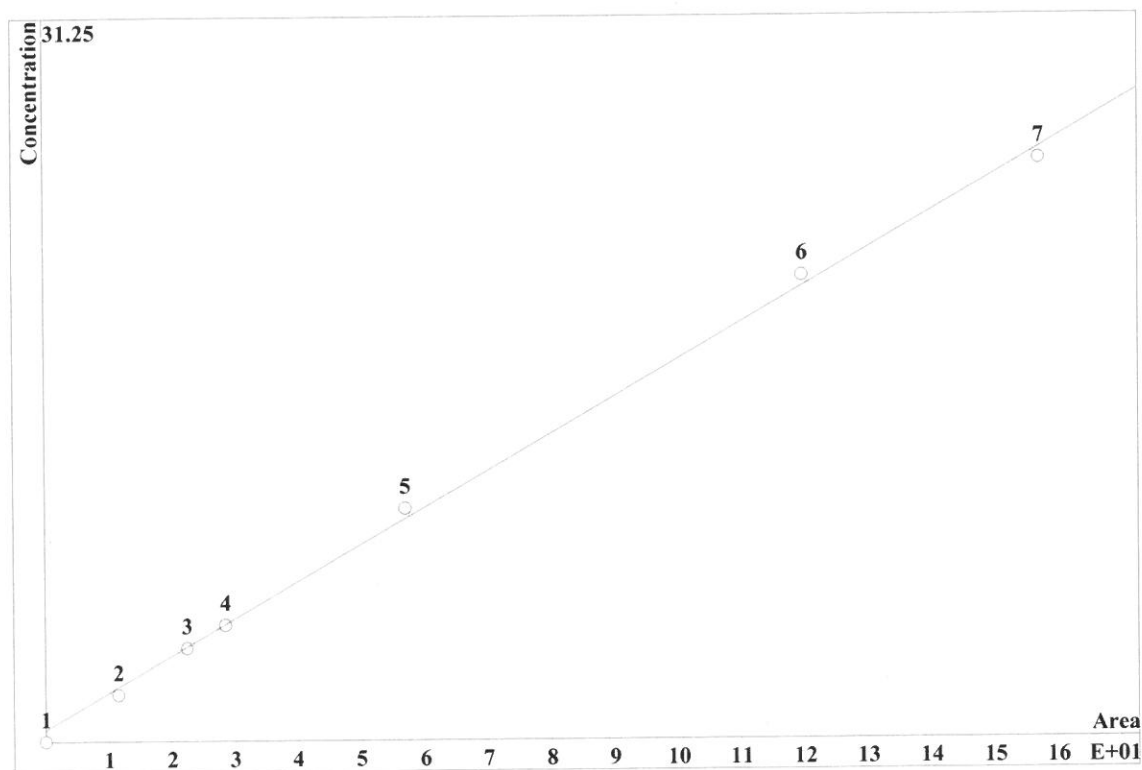


K3 = 0      K2 = 0      K1 = 0.659931      K0 = 3.9931  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 1.034  | 15.3  | 0.6   | 20      | 10.62     |      |      | Yes |
| 3     | 2.107  | 31.47 | 1.2   | 20      | 10.62     |      |      | Yes |
| 4     | 2.621  | 39.22 | 1.5   | 20      | 10.62     |      |      | Yes |
| 5     | 5.241  | 79.98 | 3     | 20      | 10.62     |      |      | Yes |
| 6     | 10.97  | 173   | 6     | 20      | 10.62     |      |      | Yes |
| 7     | 13.94  | 224.8 | 7.5   | 20      | 10.62     |      |      | Yes |

## CALIBRATION OF COMPONENT BR-

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 3.18001 \cdot A + 9.96653$   
 RSD: 3.950 %  
 Correlation coefficient: 0.999149

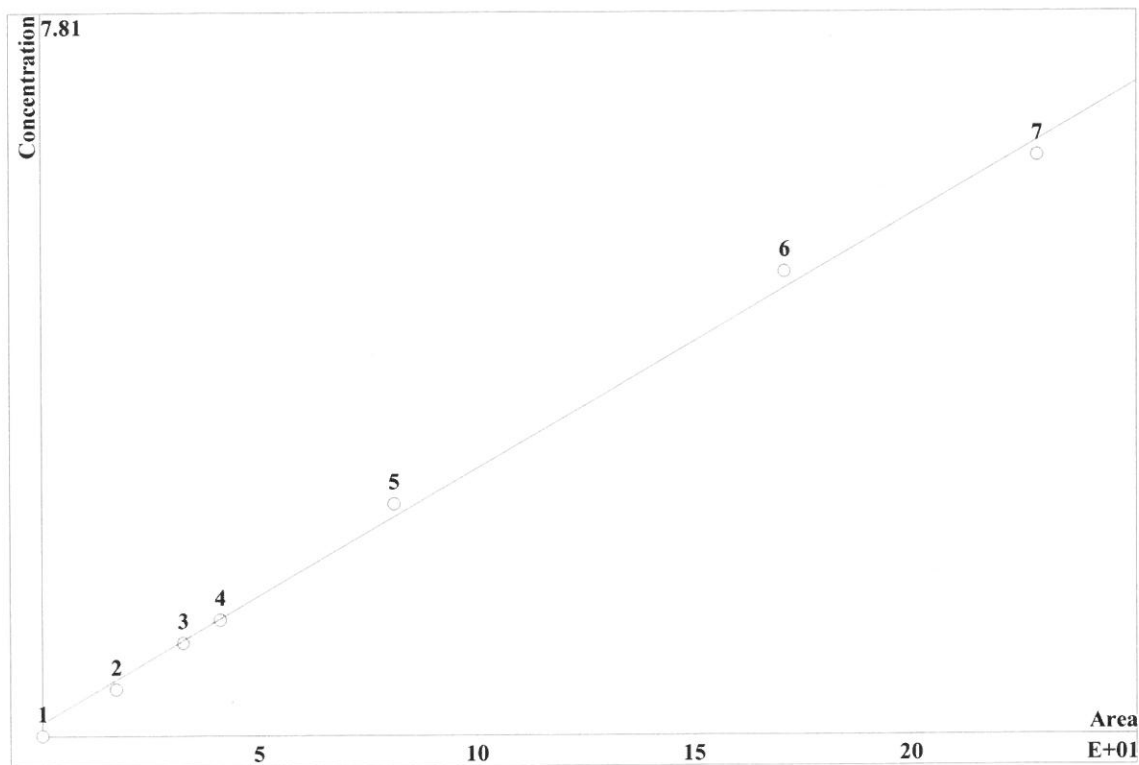


K3 = 0      K2 = 0      K1 = 3.18001      K0 = 9.96653  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.6882 | 11.57 | 2     | 20      | 13.63     |      |      | Yes |
| 3     | 1.372  | 22.42 | 4     | 20      | 13.63     |      |      | Yes |
| 4     | 1.755  | 28.48 | 5     | 20      | 13.63     |      |      | Yes |
| 5     | 3.608  | 57    | 10    | 20      | 13.63     |      |      | Yes |
| 6     | 7.746  | 119.7 | 20    | 20      | 13.63     |      |      | Yes |
| 7     | 10.31  | 157.1 | 25    | 20      | 13.63     |      |      | Yes |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 0.547815 \cdot A + 2.77351$   
 RSD: 5.435 %  
 Correlation coefficient: 0.998389



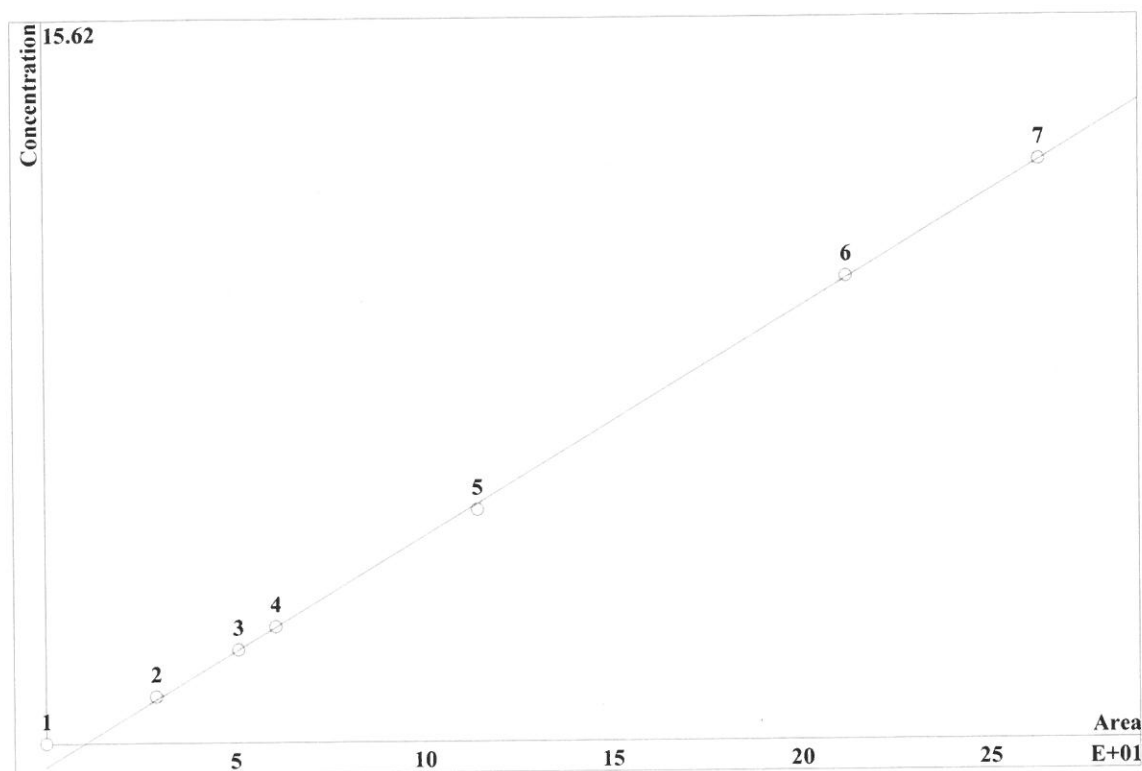
K3 = 0      K2 = 0      K1 = 0.547815      K0 = 2.77351  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.844  | 17.01 | 0.5   | 20      | 15.72     |      |      | Yes |
| 3     | 1.663  | 32.52 | 1     | 20      | 15.72     |      |      | Yes |
| 4     | 2.114  | 41.1  | 1.25  | 20      | 15.72     |      |      | Yes |
| 5     | 4.318  | 81.14 | 2.5   | 20      | 15.72     |      |      | Yes |
| 6     | 9.177  | 171.1 | 5     | 20      | 15.72     |      |      | Yes |
| 7     | 12.26  | 229.2 | 6.25  | 20      | 15.72     |      |      | Yes |

±□¿\$

## CALIBRATION OF COMPONENT HPO4

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 0.987705 \cdot A - 10.2328$   
 RSD: 1.420 %  
 Correlation coefficient: 0.999890

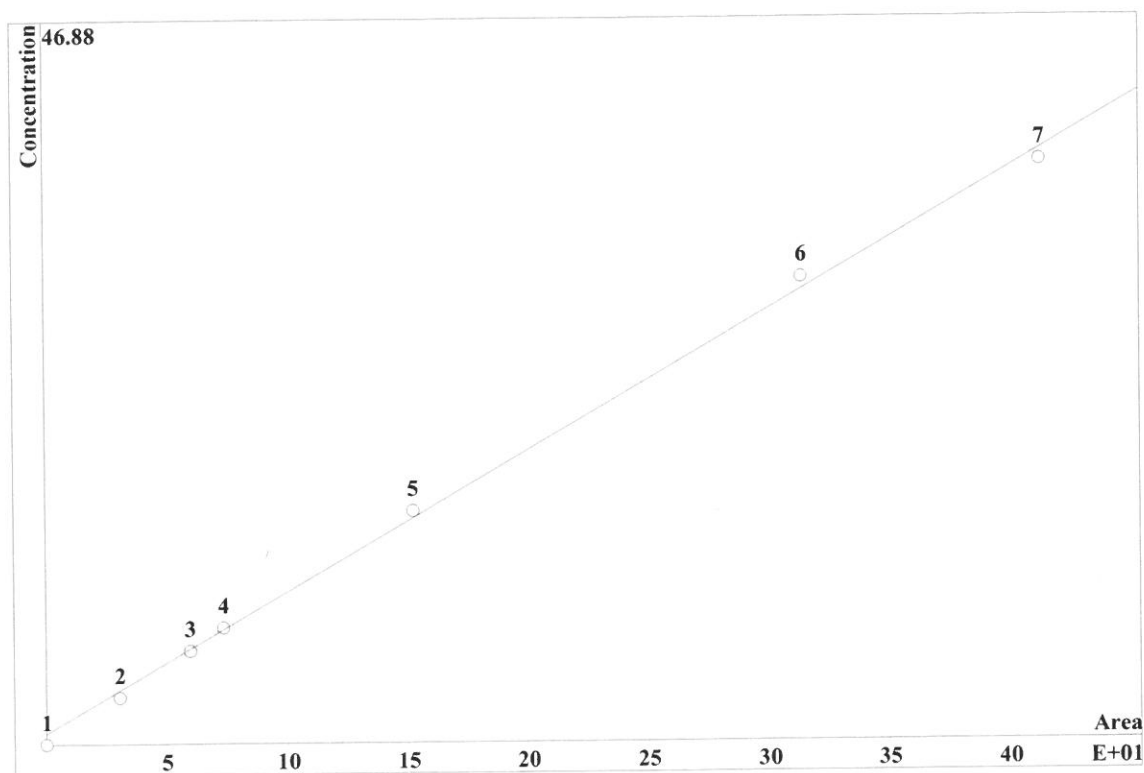


K3 = 0      K2 = 0      K1 = 0.987705      K0 = -10.2328  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.7415 | 29.29 | 1     | 20      | 21.69     |      |      | Yes |
| 3     | 1.318  | 50.9  | 2     | 20      | 21.69     |      |      | Yes |
| 4     | 1.596  | 60.68 | 2.5   | 20      | 21.69     |      |      | Yes |
| 5     | 3.093  | 114.3 | 5     | 20      | 21.69     |      |      | Yes |
| 6     | 6.238  | 212   | 10    | 20      | 21.69     |      |      | Yes |
| 7     | 7.909  | 263.2 | 12.5  | 20      | 21.69     |      |      | Yes |

## CALIBRATION OF COMPONENT SO4

Method: ANIONS 06-08-21.mtw  
 Equation:  $Q = 1.81758 \cdot A + 14.0332$   
 RSD: 3.835 %  
 Correlation coefficient: 0.999198



K3 = 0      K2 = 0      K1 = 1.81758      K0 = 14.0332  
 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     | 1.102  | 30.5  | 3     | 20      | 24.84     |      |      | Yes |
| 3     | 2.141  | 59.96 | 6     | 20      | 24.84     |      |      | Yes |
| 4     | 2.701  | 73.58 | 7.5   | 20      | 24.84     |      |      | Yes |
| 5     | 5.509  | 152.3 | 15    | 20      | 24.84     |      |      | Yes |
| 6     | 11.7   | 313.8 | 30    | 20      | 24.84     |      |      | Yes |
| 7     | 15.4   | 412.9 | 37.5  | 20      | 24.84     |      |      | Yes |

Report date: 6/8/2021 4:01:47 PM  
Printed by: wet

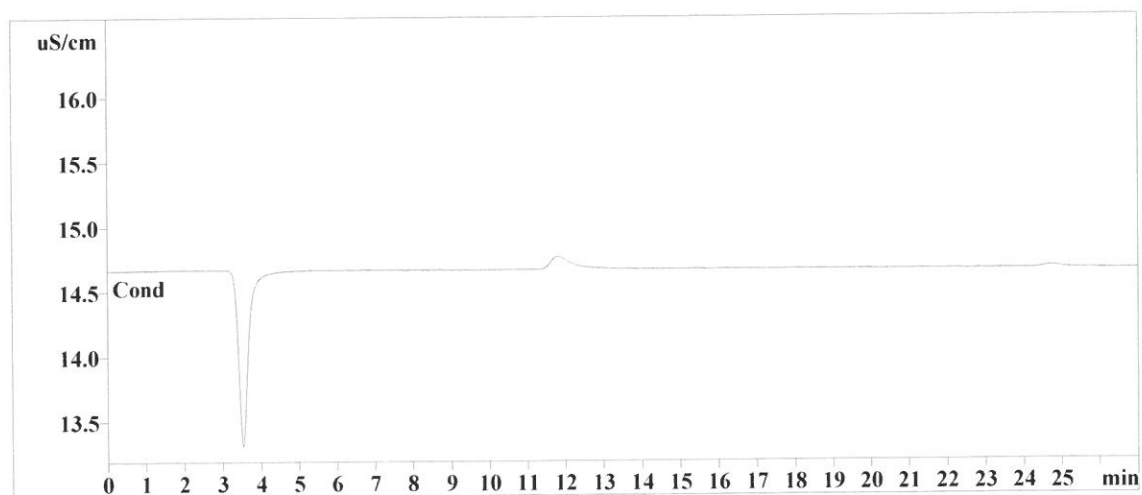
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Analysis from: 6/8/2021 8:56:59 AM  
File: \_2021-06-08\_

Last save: 6/8/2021 12:30:16 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74706

Last save: 6/8/2021 11:53:22 AM

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



Quantitation method: Custom

No peaks

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Report date: 6/8/2021 4:01:53 PM  
Printed by: wet

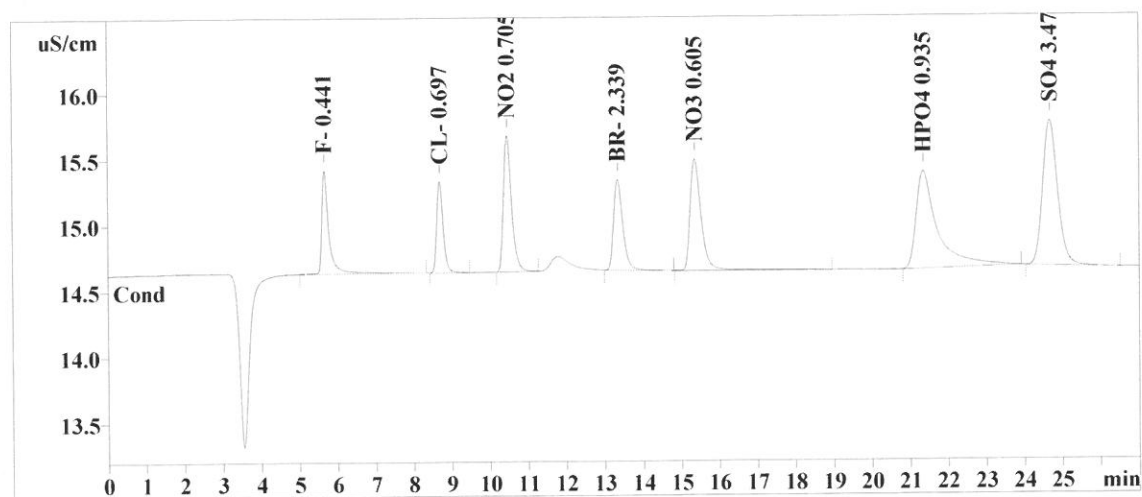
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File: \_2021-06-08\_

Last save: 6/8/2021 12:30:16 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74707

Last save: 6/8/2021 11:53:22 AM

SAMPLE:  
: AM/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  | 5.66             | 0.167          | 0.78            | 13.30       | 10.649            | 8.70      | 0. |
| 2  | 8.68             | 0.176          | 0.69            | 11.76       | 8.146             | 6.65      | 0. |
| 3  | 10.44            | 0.219          | 1.03            | 17.57       | 15.304            | 12.50     | 0. |
| 4  | 13.33            | 0.250          | 0.69            | 11.69       | 11.575            | 9.45      | 0. |
| 5  | 15.35            | 0.290          | 0.84            | 14.34       | 17.013            | 13.89     | 0. |
| 6  | 21.35            | 0.493          | 0.74            | 12.59       | 29.288            | 23.91     | 0. |
| 7  | 24.67            | 0.420          | 1.10            | 18.70       | 30.495            | 24.90     | 0. |
| 7  | 27.00            | 0.288          | 5.88            | 99.95       | 122.471           | 100.00    | 0. |

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Report date: 6/8/2021 4:02:00 PM  
Printed by: wet

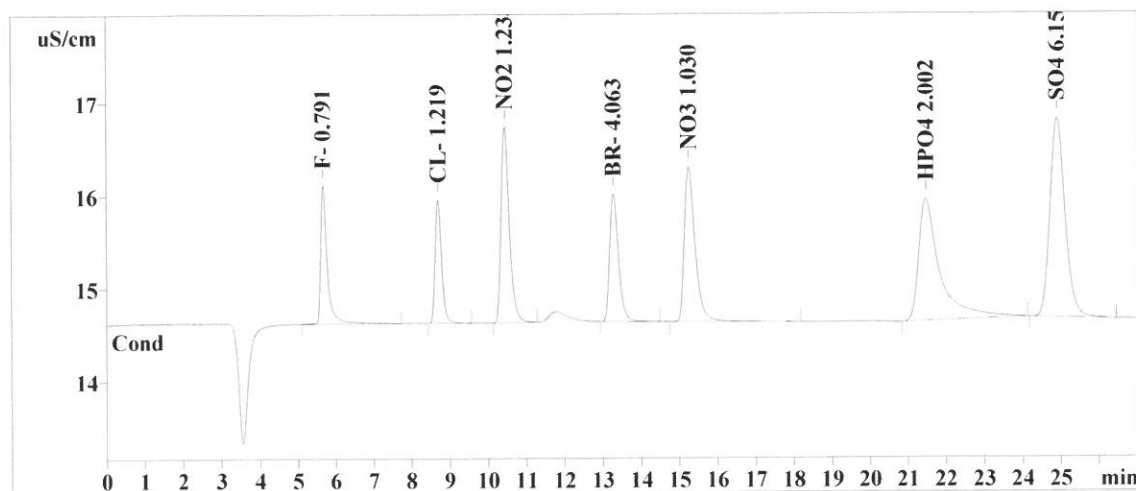
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Analysis from: 6/8/2021 9:56:48 AM  
File: \_2021-06-08\_

Last save: 6/8/2021 12:30:18 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74708

Last save: 6/8/2021 11:53:22 AM

SAMPLE:  
: AM/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  | 5.67             | 0.163          | 1.48            | 13.00       | 18.630            | 8.05      | 0. |
| 2  | 8.69             | 0.175          | 1.32            | 11.61       | 15.513            | 6.70      | 0. |
| 3  | 10.43            | 0.221          | 2.11            | 18.46       | 31.468            | 13.60     | 0. |
| 4  | 13.27            | 0.245          | 1.37            | 12.03       | 22.421            | 9.69      | 0. |
| 5  | 15.24            | 0.286          | 1.66            | 14.58       | 32.524            | 14.05     | 0. |
| 6  | 21.47            | 0.489          | 1.32            | 11.54       | 50.901            | 22.00     | 0. |
| 7  | 24.90            | 0.427          | 2.14            | 18.76       | 59.956            | 25.91     | 0. |
| 7  | 27.00            | 0.287          | 11.41           | 99.97       | 231.414           | 100.00    | 0. |

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Report date: 6/8/2021 4:02:06 PM  
Printed by: wet

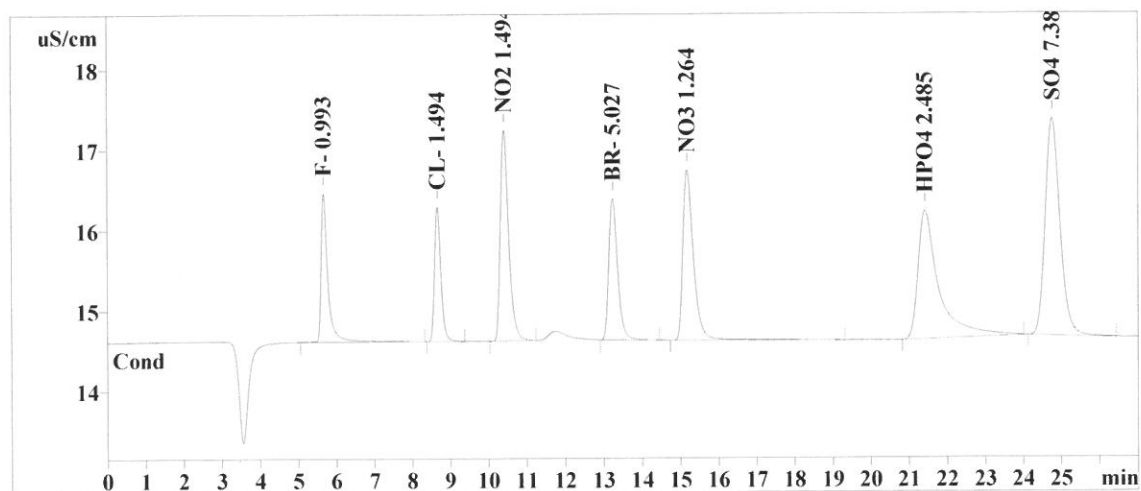
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Analysis from: 6/8/2021 10:26:43 AM  
File: \_2021-06-08\_

Last save: 6/8/2021 12:30:18 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74709

Last save: 6/8/2021 11:53:22 AM

SAMPLE:  
: AM/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  | 5.67             | 0.163          | 1.85            | 12.91       | 23.236            | 8.13      | 0. |
| 2  | 8.66             | 0.174          | 1.67            | 11.67       | 19.386            | 6.79      | 0. |
| 3  | 10.40            | 0.221          | 2.62            | 18.33       | 39.225            | 13.73     | 0. |
| 4  | 13.22            | 0.243          | 1.75            | 12.27       | 28.485            | 9.97      | 0. |
| 5  | 15.17            | 0.283          | 2.11            | 14.77       | 41.096            | 14.39     | 0. |
| 6  | 21.41            | 0.480          | 1.60            | 11.16       | 60.679            | 21.24     | 0. |
| 7  | 24.76            | 0.413          | 2.70            | 18.88       | 73.578            | 25.75     | 0. |
| 7  | 27.00            | 0.283          | 14.30           | 99.99       | 285.685           | 100.00    | 0. |

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Report date: 6/8/2021 4:02:12 PM  
Printed by: wet

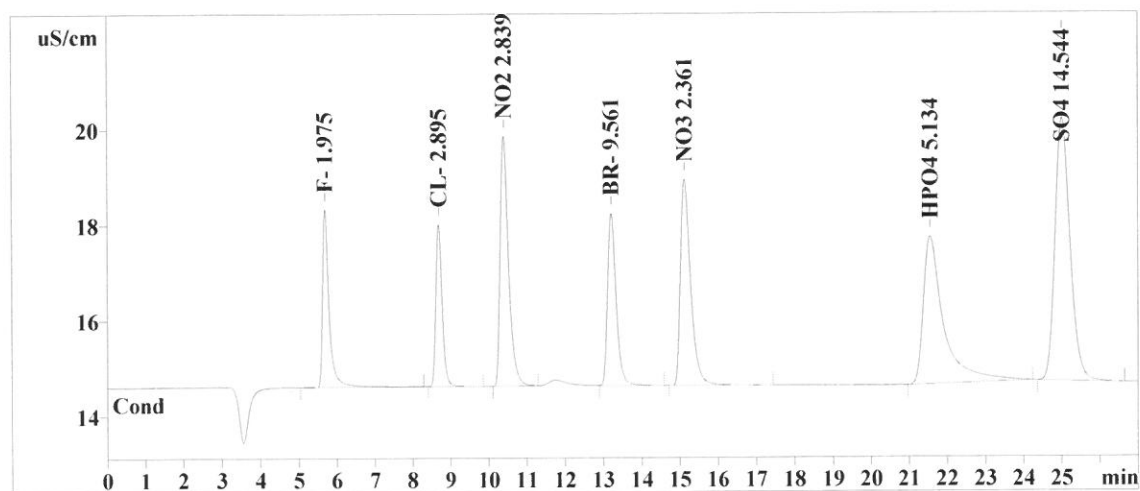
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Analysis from: 6/8/2021 10:56:39 AM  
File: \_2021-06-08\_

Last save: 6/8/2021 12:30:18 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74710

Last save: 6/8/2021 11:53:22 AM

SAMPLE:  
: AM/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  | 5.69             | 0.162          | 3.72            | 12.88       | 45.591            | 8.01      | 0. |
| 2  | 8.68             | 0.173          | 3.39            | 11.75       | 39.163            | 6.88      | 0. |
| 3  | 10.40            | 0.225          | 5.24            | 18.14       | 79.977            | 14.04     | 0. |
| 4  | 13.20            | 0.236          | 3.61            | 12.49       | 56.998            | 10.01     | 0. |
| 5  | 15.12            | 0.279          | 4.32            | 14.95       | 81.144            | 14.25     | 0. |
| 6  | 21.56            | 0.471          | 3.09            | 10.71       | 114.321           | 20.07     | 0. |
| 7  | 25.01            | 0.421          | 5.51            | 19.07       | 152.321           | 26.75     | 0. |
| 7  | 27.00            | 0.281          | 28.88           | 99.99       | 569.516           | 100.00    | 0. |

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Report date: 6/8/2021 4:02:18 PM  
Printed by: wet

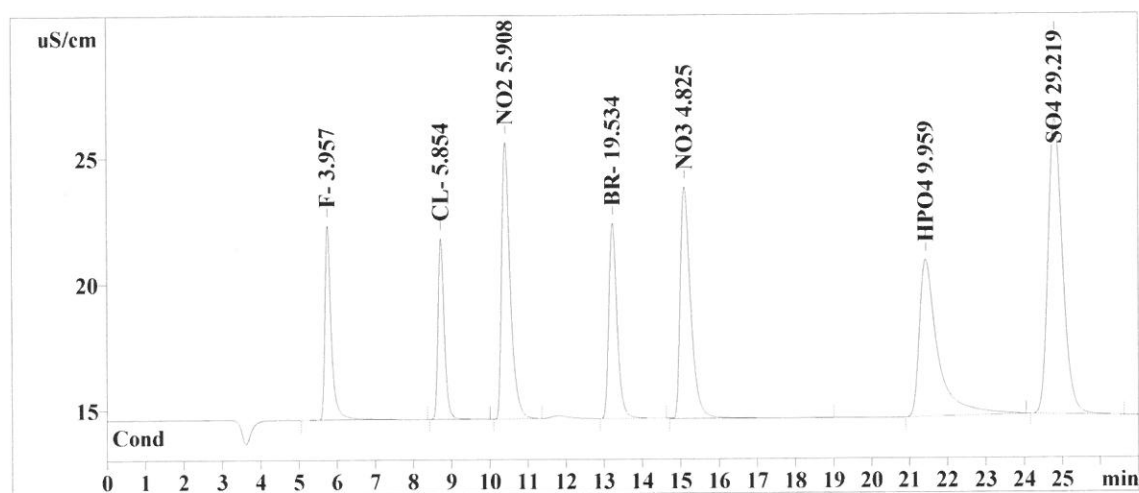
Ident: STD6  
Analysis from: 6/8/2021 11:26:34 AM  
File: \_2021-06-08\_

Last save: 6/8/2021 12:30:18 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74711

Last save: 6/8/2021 11:53:22 AM

SAMPLE:  
: AM/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  | 5.76             | 0.159          | 7.72            | 12.71       | 90.746            | 7.81      | 0. |
| 2  | 8.72             | 0.168          | 7.17            | 11.81       | 80.919            | 6.97      | 0. |
| 3  | 10.40            | 0.232          | 10.97           | 18.06       | 172.992           | 14.90     | 0. |
| 4  | 13.23            | 0.231          | 7.75            | 12.76       | 119.723           | 10.31     | 0. |
| 5  | 15.10            | 0.275          | 9.18            | 15.11       | 171.083           | 14.73     | 0. |
| 6  | 21.43            | 0.443          | 6.24            | 10.27       | 212.011           | 18.26     | 0. |
| 7  | 24.80            | 0.407          | 11.70           | 19.27       | 313.793           | 27.02     | 0. |
| 7  | 27.00            | 0.274          | 60.72           | 100.00      | 1161.266          | 100.00    | 0. |

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Report date: 6/8/2021 4:02:23 PM  
Printed by: wet

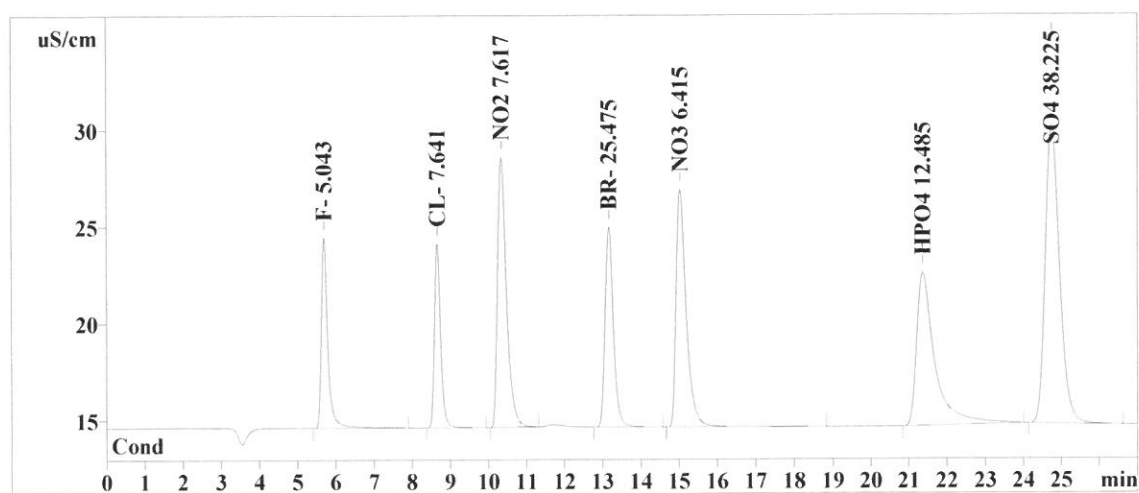
Ident: STD7  
Analysis from: 6/8/2021 11:56:29 AM  
File: \_2021-06-08\_

Last save: 6/8/2021 12:30:18 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74712

Last save: 6/8/2021 11:53:22 AM

SAMPLE:  
: AM/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  | 5.70             | 0.162          | 9.80            | 12.39       | 115.481           | 7.65      | 0. |
| 2  | 8.66             | 0.167          | 9.47            | 11.97       | 106.145           | 7.04      | 0. |
| 3  | 10.33            | 0.237          | 13.94           | 17.62       | 224.791           | 14.90     | 0. |
| 4  | 13.16            | 0.228          | 10.31           | 13.04       | 157.087           | 10.41     | 0. |
| 5  | 15.03            | 0.276          | 12.26           | 15.50       | 229.156           | 15.19     | 0. |
| 6  | 21.37            | 0.437          | 7.91            | 10.00       | 263.177           | 17.44     | 0. |
| 7  | 24.74            | 0.408          | 15.40           | 19.47       | 412.890           | 27.37     | 0. |
| 7  | 27.00            | 0.274          | 79.08           | 100.00      | 1508.728          | 100.00    | 0. |

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Date - 6/8/2021

Instrument ID - IC-1

Analyst - AM

| Anion Calibration std - relative error calculations, acceptance limit is -30 to 30 for std 2 and -10 to 10 for other std |            |                |           |            |                |           |            |                |           |            |                |           |            |                |           |            |                |           |
|--------------------------------------------------------------------------------------------------------------------------|------------|----------------|-----------|------------|----------------|-----------|------------|----------------|-----------|------------|----------------|-----------|------------|----------------|-----------|------------|----------------|-----------|
| Parameter                                                                                                                | TV of std2 | Result of std2 | % RE std2 | TV of std3 | Result of std3 | % RE std3 | TV of std4 | Result of std4 | % RE std4 | TV of std5 | Result of std5 | % RE std5 | TV of std6 | Result of std6 | % RE std6 | TV of std7 | Result of std7 | % RE std7 |
| F                                                                                                                        | 0.4        | 0.441          | 10.3      | 0.8        | 0.791          | -1.1      | 1          | 0.993          | -0.7      | 2          | 1.975          | -1.3      | 4          | 3.957          | -1.1      | 5          | 5.043          | 0.9       |
| CL                                                                                                                       | 0.6        | 0.697          | 16.2      | 1.2        | 1.219          | 1.6       | 1.5        | 1.494          | -0.4      | 3          | 2.895          | -3.5      | 6          | 5.854          | -2.4      | 7.5        | 7.641          | 1.9       |
| NO2                                                                                                                      | 0.6        | 0.705          | 17.5      | 1.2        | 1.238          | 3.2       | 1.5        | 1.494          | -0.4      | 3          | 2.839          | -5.4      | 6          | 5.908          | -1.5      | 7.5        | 7.617          | 1.6       |
| BR                                                                                                                       | 2          | 2.339          | 17.0      | 4          | 4.063          | 1.6       | 5          | 5.027          | 0.5       | 10         | 9.561          | -4.4      | 20         | 19.534         | -2.3      | 25         | 25.475         | 1.9       |
| NO3                                                                                                                      | 0.5        | 0.605          | 21.0      | 1          | 1.030          | 3.0       | 1.25       | 1.264          | 1.1       | 2.5        | 2.361          | -5.6      | 5          | 4.825          | -3.5      | 6.25       | 6.415          | 2.6       |
| HPO4                                                                                                                     | 1          | 0.935          | -6.5      | 2          | 2.002          | 0.1       | 2.5        | 2.485          | -0.6      | 5          | 5.134          | 2.7       | 10         | 9.959          | -0.4      | 12.5       | 12.485         | -0.1      |
| SO4                                                                                                                      | 3          | 3.473          | 15.8      | 6          | 6.150          | 2.5       | 7.5        | 7.388          | -1.5      | 15         | 14.544         | -3.0      | 30         | 29.219         | -2.6      | 37.5       | 38.225         | 1.9       |

06/08/2021  
AM

Report date: 6/8/2021 4:03:13 PM  
Printed by: wet

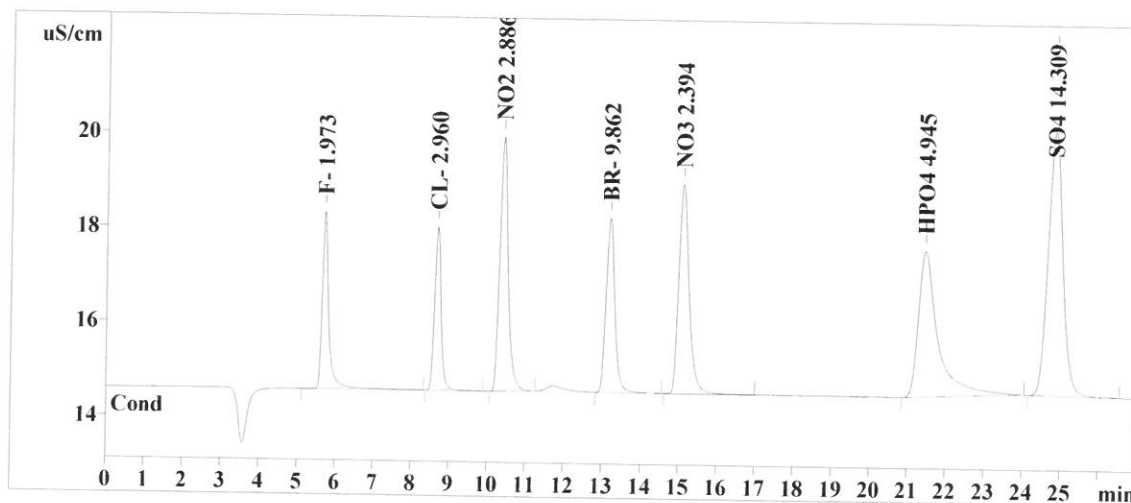
Ident: ICV  
Analysis from: 6/8/2021 12:33:12 PM  
File: \_2021-06-08\_

Last save: 6/8/2021 1:00:02 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74713

Last save: 6/8/2021 12:23:18 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.70             | 0.162          | 3.73            | 12.75       | 45.544            | 8.01      | 0. |
| 2  | 8.67             | 0.174          | 3.44            | 11.77       | 40.082            | 7.05      | 0. |
| 3  | 10.37            | 0.224          | 5.36            | 18.33       | 81.398            | 14.32     | 0. |
| 4  | 13.16            | 0.241          | 3.67            | 12.55       | 58.891            | 10.36     | 0. |
| 5  | 15.07            | 0.277          | 4.41            | 15.07       | 82.350            | 14.49     | 0. |
| 6  | 21.44            | 0.460          | 3.07            | 10.48       | 110.495           | 19.44     | 0. |
| 7  | 24.80            | 0.409          | 5.57            | 19.03       | 149.733           | 26.34     | 0. |
| 7  | 27.00            | 0.278          | 29.24           | 100.00      | 568.494           | 100.00    | 0. |

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Report date: 6/8/2021 4:03:19 PM  
Printed by: wet

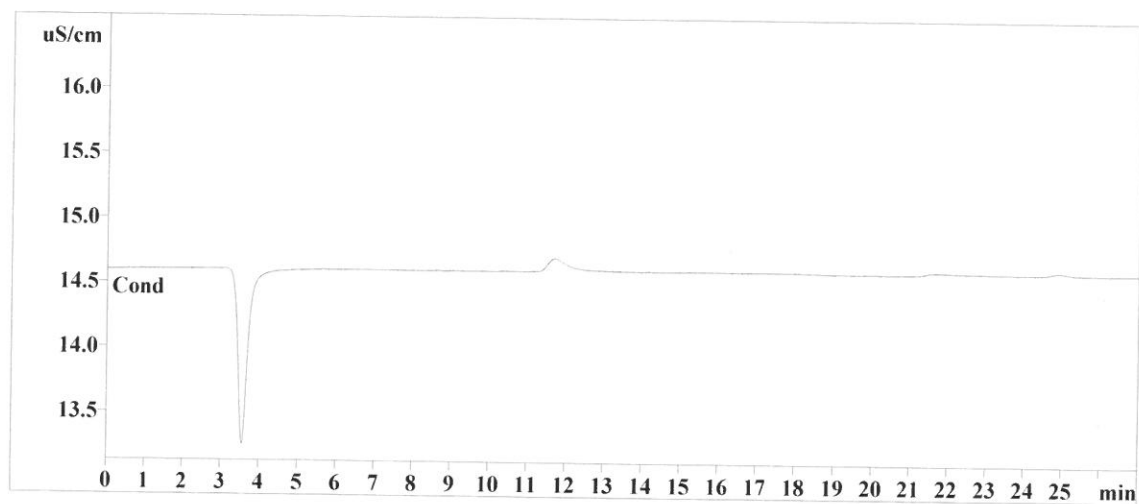
Ident: ICB  
Analysis from: 6/8/2021 1:04:39 PM  
File: \_2021-06-08\_

Last save: 6/8/2021 1:31:28 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74714

Last save: 6/8/2021 12:23:18 PM

SAMPLE:  
: AM/AP  
Vial number: 10  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 6/25/2021 3:55:44 PM  
 Printed by: wet

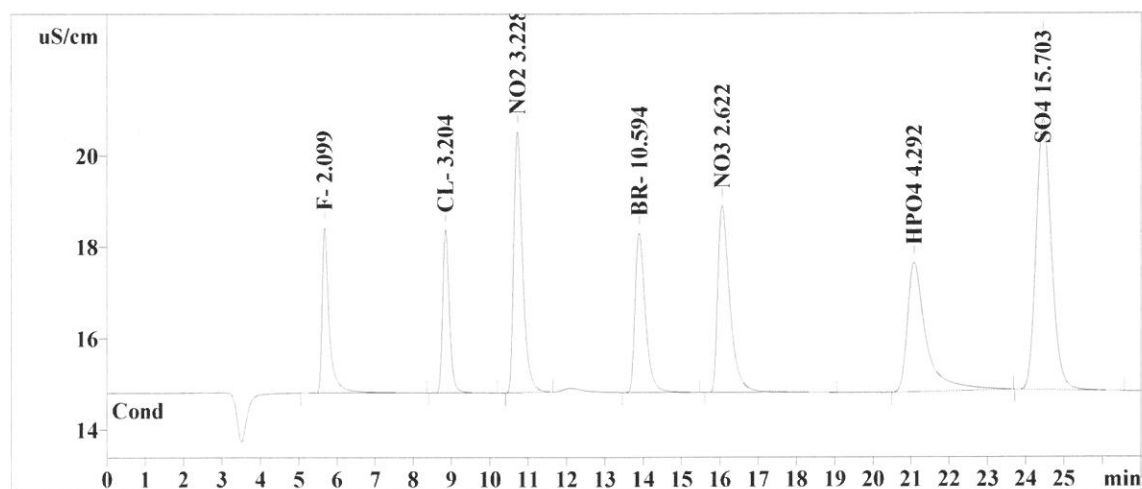
Ident: CCV  
 Analysis from: 6/24/2021 9:28:02 AM  
 File: \_2021-06-24\_

Last save: 6/24/2021 9:54:52 AM

Method: ANIONS 06-08-21.mtw  
 Run operator: wet  
 Analysis number: 74846

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
 : AP/MA  
 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  | 5.67             | 0.174          | 3.61            | 12.36       | 48.427            | 8.07      | 0. |
| 2  | 8.85             | 0.181          | 3.57            | 12.21       | 43.523            | 7.25      | 0. |
| 3  | 10.71            | 0.238          | 5.71            | 19.56       | 91.780            | 15.29     | 0. |
| 4  | 13.90            | 0.270          | 3.48            | 11.90       | 63.494            | 10.58     | 0. |
| 5  | 16.06            | 0.324          | 4.08            | 13.97       | 90.656            | 15.10     | 0. |
| 6  | 21.08            | 0.452          | 2.83            | 9.69        | 97.279            | 16.21     | 0. |
| 7  | 24.45            | 0.421          | 5.93            | 20.31       | 165.071           | 27.50     | 0. |
| 7  | 27.00            | 0.294          | 29.22           | 100.00      | 600.231           | 100.00    | 0. |

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Report date: 6/25/2021 3:55:52 PM  
Printed by: wet

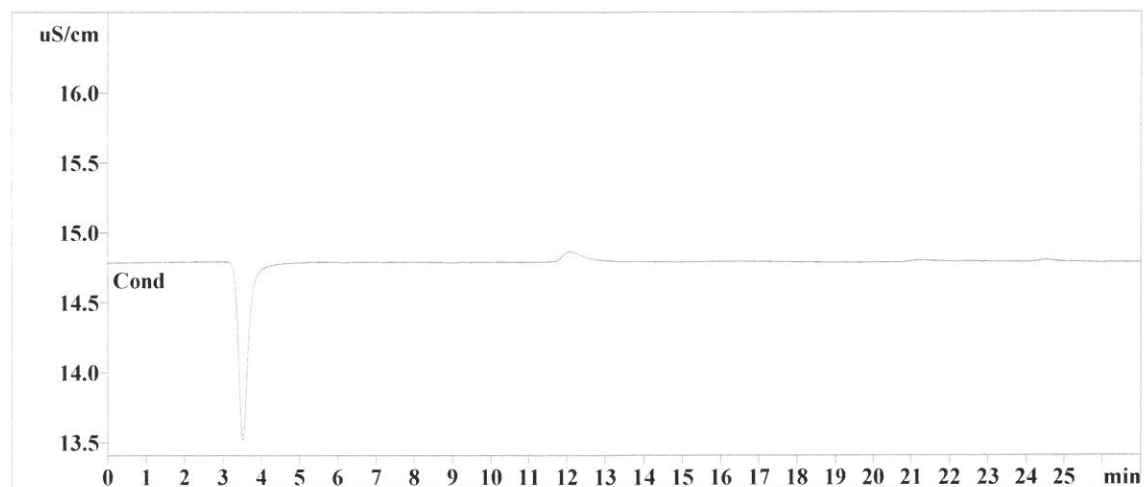
Ident: CCB  
Analysis from: 6/24/2021 9:57:59 AM  
File: \_2021-06-24\_

Last save: 6/24/2021 10:24:48 AM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74847

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
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: 6/25/2021 3:55:58 PM  
Printed by: wet

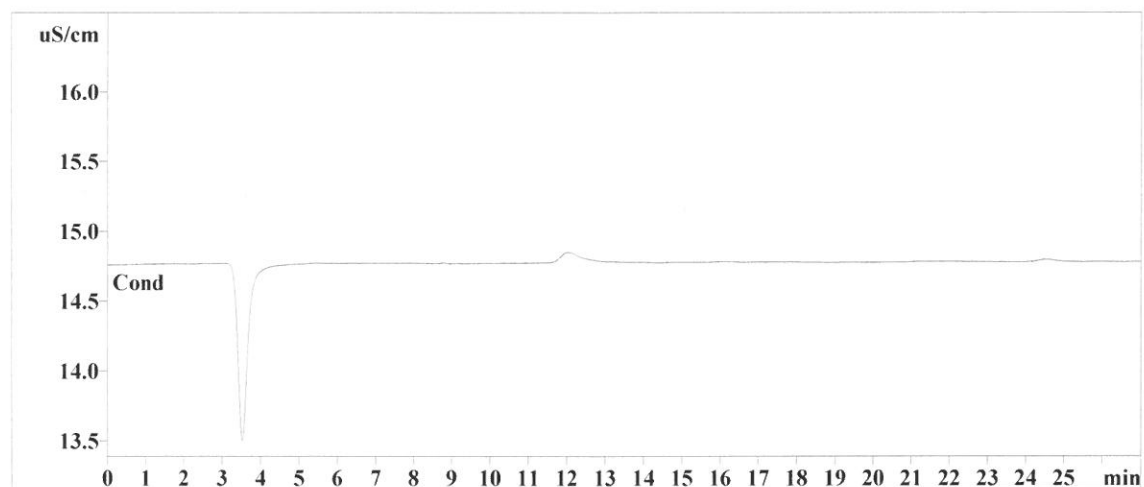
Ident: LB115074BLW  
Analysis from: 6/24/2021 10:27:54 AM  
File: \_2021-06-24\_

Last save: 6/24/2021 10:54:44 AM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74848

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 13  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
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Report date: 6/25/2021 3:56:05 PM  
Printed by: wet

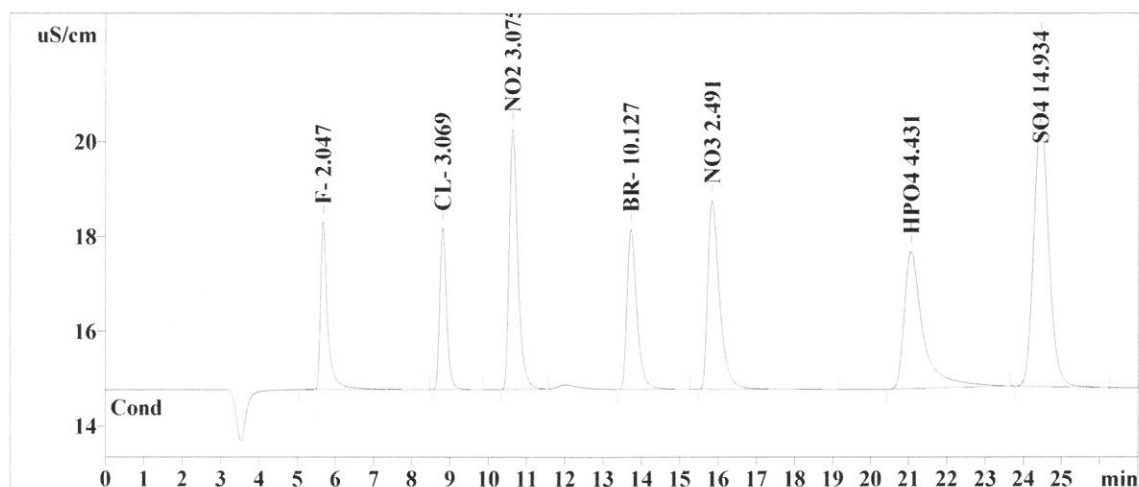
Ident: LB115074BSW  
Analysis from: 6/24/2021 10:57:49 AM  
File: \_2021-06-24\_

Last save: 6/24/2021 11:24:38 AM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74849

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 14  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.67             | 0.174          | 3.54            | 12.52       | 47.243            | 8.16      | 0. |
| 2  | 8.80             | 0.182          | 3.40            | 12.01       | 41.618            | 7.19      | 0. |
| 3  | 10.63            | 0.235          | 5.49            | 19.38       | 87.140            | 15.05     | 0. |
| 4  | 13.73            | 0.267          | 3.37            | 11.89       | 60.556            | 10.46     | 0. |
| 5  | 15.84            | 0.317          | 3.97            | 14.02       | 85.876            | 14.83     | 0. |
| 6  | 21.06            | 0.454          | 2.89            | 10.20       | 100.092           | 17.28     | 0. |
| 7  | 24.43            | 0.420          | 5.65            | 19.97       | 156.602           | 27.04     | 0. |
| 7  | 27.00            | 0.293          | 28.30           | 99.99       | 579.126           | 100.00    | 0. |

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Report date: 6/25/2021 3:56:39 PM  
Printed by: wet

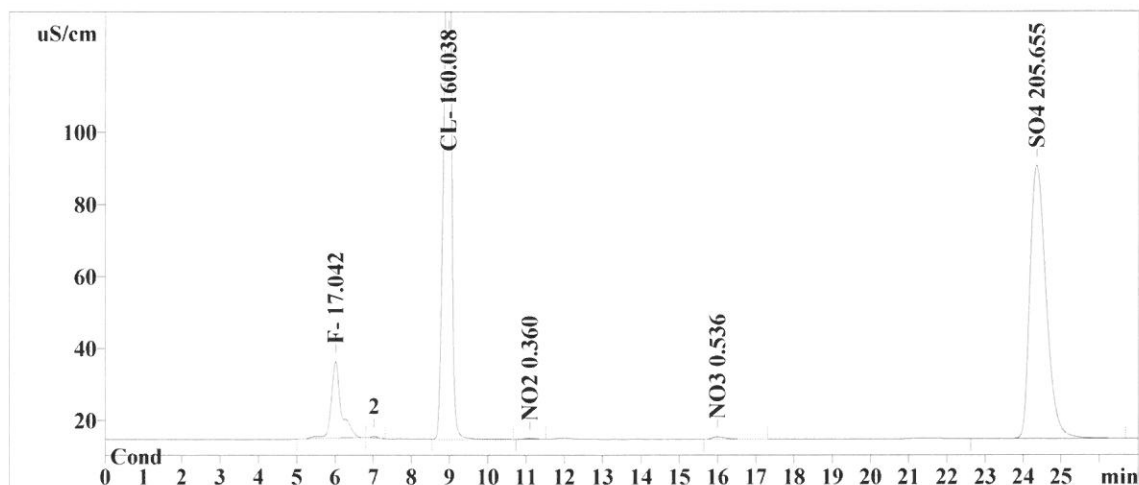
Ident: M2840-01  
Analysis from: 6/24/2021 11:27:44 AM  
File: \_2021-06-24\_

Last save: 6/25/2021 3:56:40 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74850

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 15  
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  | 6.02             | 0.221          | 21.31           | 7.77        | 388.822           | 7.89      | 0. |
| 2  | 8.96             | 0.198          | 175.69          | 64.06       | 2256.917          | 45.81     | 0. |
| 3  | 11.10            | 0.347          | 0.23            | 0.08        | 4.870             | 0.10      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.99            | 0.318          | 0.66            | 0.24        | 14.489            | 0.29      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.34            | 0.458          | 75.79           | 27.64       | 2255.231          | 45.78     | 0. |
| 7  | 27.00            | 0.220          | 273.68          | 99.80       | 4920.329          | 99.88     | 0. |

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Report date: 6/25/2021 3:56:50 PM  
Printed by: wet

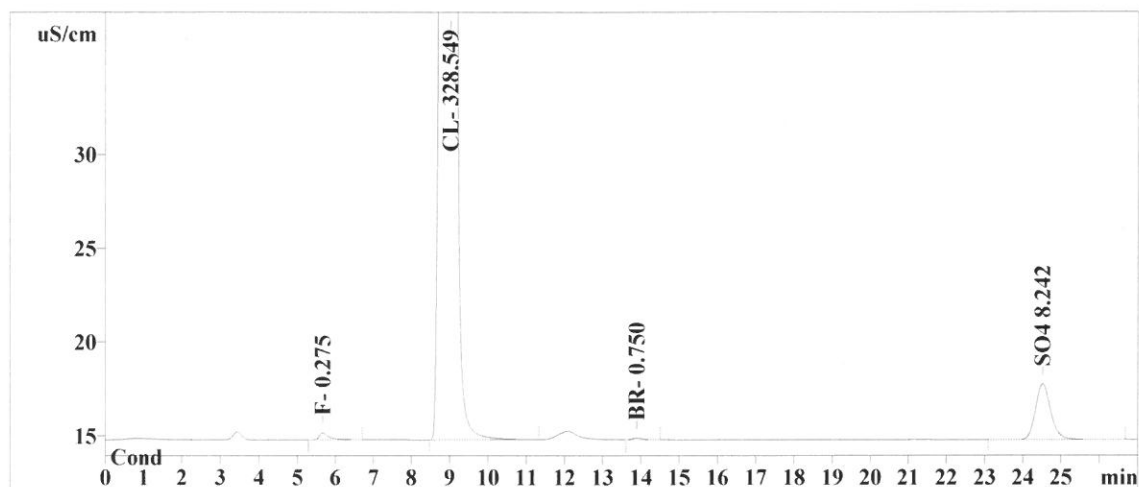
Ident: M2840-02  
Analysis from: 6/24/2021 11:57:39 AM  
File: \_2021-06-24\_

Last save: 6/24/2021 12:24:28 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74851

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 18  
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  | 5.66             | 0.235          | 0.37            | 0.14        | 6.864             | 0.15      | 0. |
| 2  | 9.01             | 0.272          | 269.82          | 98.74       | 4635.103          | 98.07     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.90            | 0.269          | 0.09            | 0.03        | 1.583             | 0.03      | 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  | 24.51            | 0.420          | 2.97            | 1.09        | 82.973            | 1.76      | 0. |
| 7  | 27.00            | 0.171          | 273.24          | 99.99       | 4726.523          | 100.00    | 0. |

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Report date: 6/25/2021 3:56:57 PM  
Printed by: wet

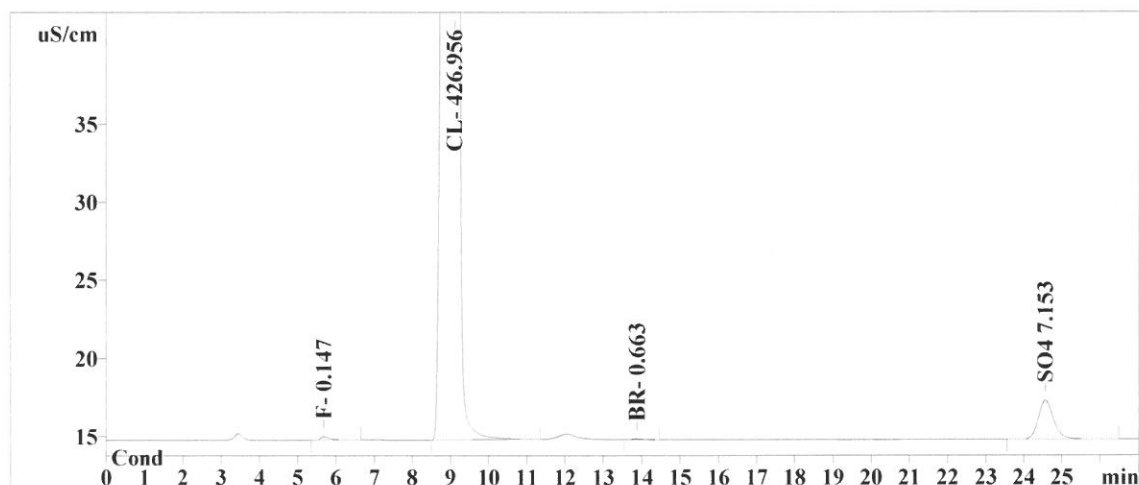
Ident: M2840-03  
Analysis from: 6/24/2021 12:27:34 PM  
File: \_2021-06-24\_

Last save: 6/24/2021 12:54:24 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74852

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 19  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.68             | 0.226          | 0.23            | 0.07        | 3.945             | 0.06      | 0. |
| 2  | 9.09             | 0.302          | 324.63          | 99.10       | 6023.919          | 98.75     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.87            | 0.271          | 0.06            | 0.02        | 1.036             | 0.02      | 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  | 24.56            | 0.428          | 2.51            | 0.76        | 70.993            | 1.16      | 0. |
| 7  | 27.00            | 0.175          | 327.43          | 99.95       | 6099.893          | 100.00    | 0. |

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Report date: 6/25/2021 3:57:05 PM  
Printed by: wet

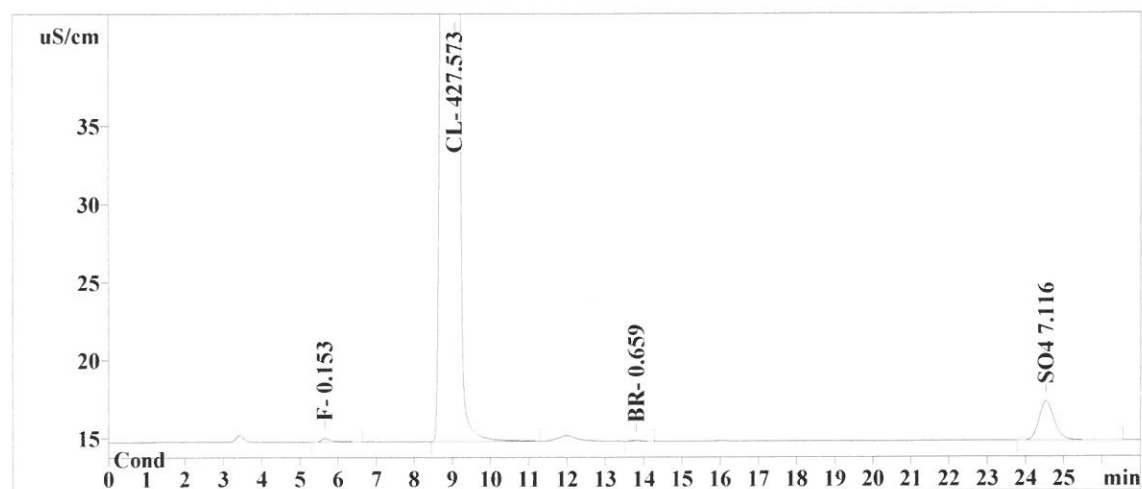
Ident: M2840-04  
Analysis from: 6/24/2021 12:57:29 PM  
File: \_2021-06-24\_

Last save: 6/24/2021 1:24:18 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74853

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 20  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.65             | 0.228          | 0.23            | 0.07        | 4.090             | 0.07      | 0. |
| 2  | 9.04             | 0.302          | 324.98          | 99.09       | 6032.637          | 98.76     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.81            | 0.266          | 0.06            | 0.02        | 1.013             | 0.02      | 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  | 24.53            | 0.423          | 2.51            | 0.77        | 70.585            | 1.16      | 0. |
| 7  | 27.00            | 0.174          | 327.78          | 99.95       | 6108.325          | 100.00    | 0. |

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METROHM LTD

Report date: 6/25/2021 3:57:12 PM  
Printed by: wet

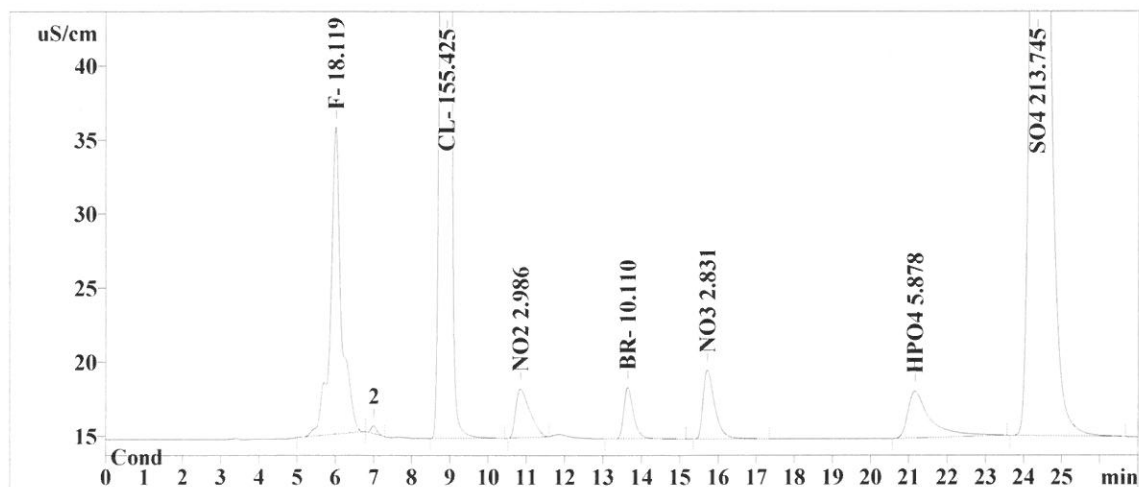
Ident: M2840-01MS  
Analysis from: 6/24/2021 1:27:25 PM  
File: \_2021-06-24\_

Last save: 6/24/2021 1:54:14 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74854

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 16  
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  | 6.01             | 0.224          | 20.75           | 7.28        | 413.367           | 7.76      | 0. |
| 2  | 8.90             | 0.197          | 171.25          | 60.10       | 2191.814          | 41.14     | 0. |
| 3  | 10.85            | 0.402          | 3.30            | 1.16        | 84.430            | 1.58      | 0. |
| 4  | 13.65            | 0.260          | 3.46            | 1.21        | 60.449            | 1.13      | 0. |
| 5  | 15.71            | 0.312          | 4.65            | 1.63        | 98.308            | 1.85      | 0. |
| 6  | 21.16            | 0.511          | 3.17            | 1.11        | 129.392           | 2.43      | 0. |
| 7  | 24.34            | 0.465          | 77.82           | 27.31       | 2344.245          | 44.00     | 0. |
| 7  | 27.00            | 0.339          | 284.40          | 99.82       | 5322.006          | 99.89     | 0. |

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METROHM LTD

Report date: 6/25/2021 3:57:22 PM  
Printed by: wet

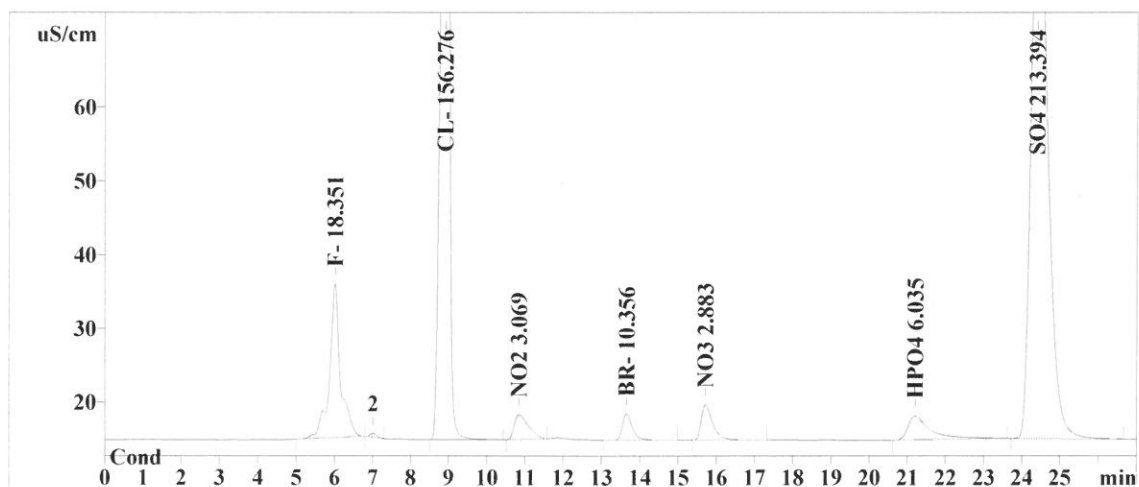
Ident: M2840-01MSD  
Analysis from: 6/24/2021 1:57:20 PM  
File: \_2021-06-24\_

Last save: 6/24/2021 2:24:10 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74855

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
Vial number: 17  
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  | 6.01             | 0.225          | 20.84           | 7.29        | 418.652           | 7.82      | 0. |
| 2  | 8.90             | 0.197          | 171.87          | 60.14       | 2203.827          | 41.19     | 0. |
| 3  | 10.85            | 0.405          | 3.36            | 1.18        | 86.954            | 1.63      | 0. |
| 4  | 13.66            | 0.262          | 3.54            | 1.24        | 61.997            | 1.16      | 0. |
| 5  | 15.71            | 0.311          | 4.75            | 1.66        | 100.202           | 1.87      | 0. |
| 6  | 21.20            | 0.512          | 3.24            | 1.13        | 132.565           | 2.48      | 0. |
| 7  | 24.39            | 0.465          | 77.63           | 27.16       | 2340.381          | 43.74     | 0. |
| 7  | 27.00            | 0.339          | 285.23          | 99.81       | 5344.578          | 99.89     | 0. |

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Report date: 6/25/2021 3:57:30 PM  
Printed by: wet

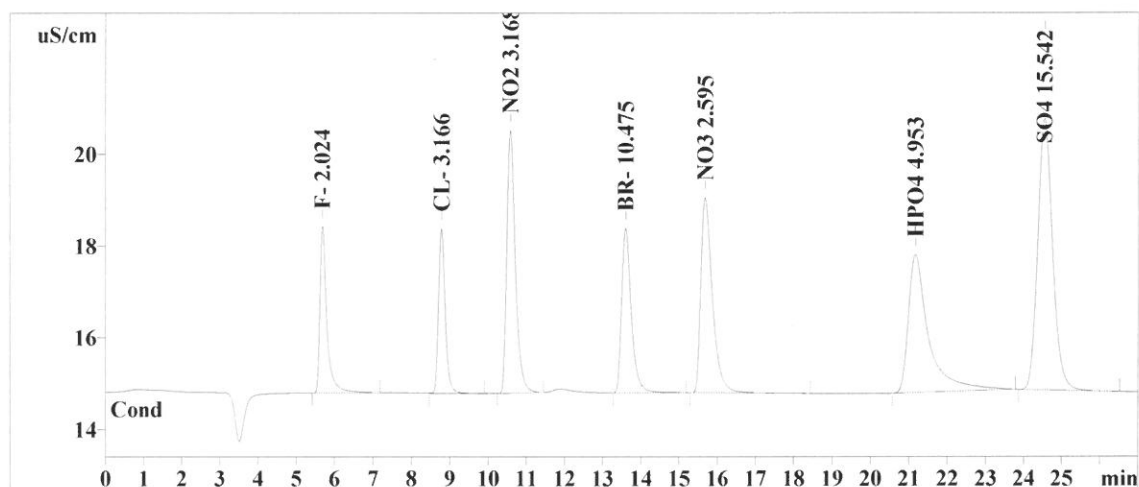
Ident: CCV  
Analysis from: 6/24/2021 2:27:15 PM  
File: \_2021-06-24\_

Last save: 6/24/2021 2:54:04 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74856

Last save: 6/18/2021 10:15:14 AM

SAMPLE:  
: AP/MA  
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  | 5.69             | 0.174          | 3.63            | 12.23       | 46.716            | 7.71      | 0. |
| 2  | 8.77             | 0.179          | 3.58            | 12.06       | 42.988            | 7.09      | 0. |
| 3  | 10.57            | 0.234          | 5.72            | 19.28       | 89.946            | 14.84     | 0. |
| 4  | 13.60            | 0.261          | 3.58            | 12.05       | 62.744            | 10.35     | 0. |
| 5  | 15.67            | 0.311          | 4.24            | 14.30       | 89.674            | 14.80     | 0. |
| 6  | 21.16            | 0.475          | 3.01            | 10.14       | 110.655           | 18.26     | 0. |
| 7  | 24.54            | 0.419          | 5.92            | 19.94       | 163.300           | 26.95     | 0. |
| 7  | 27.00            | 0.293          | 29.67           | 99.99       | 606.023           | 100.00    | 0. |

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METROHM LTD

Report date: 6/25/2021 3:57:37 PM  
Printed by: wet

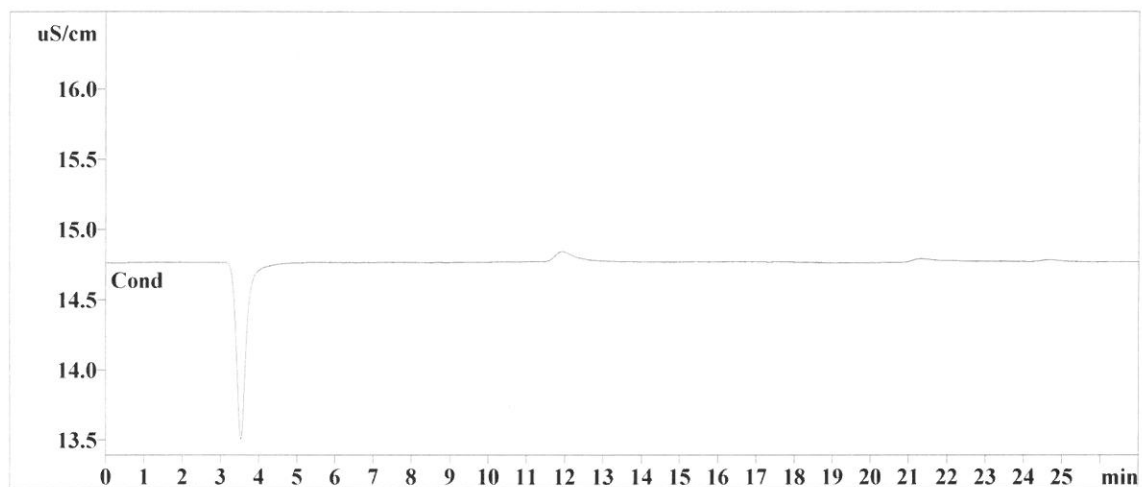
Ident: CCB  
Analysis from: 6/24/2021 2:57:10 PM  
File: \_2021-06-24\_

Last save: 6/24/2021 3:24:00 PM

Method: ANIONS 06-08-21.mtw  
Run operator: wet  
Analysis number: 74857

Last save: 6/18/2021 10:15:14 AM

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



Quantitation method: Custom

No peaks

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