

Clear table

IC-1 300.0  
10-01-18 AD

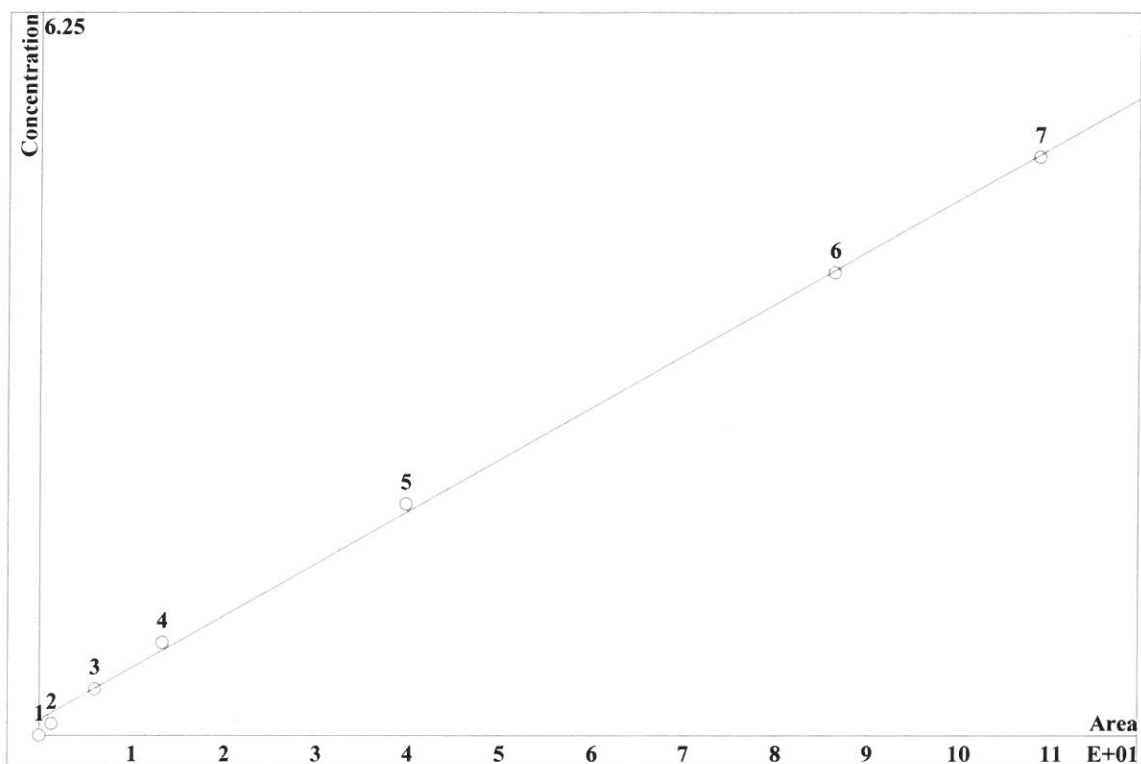
| ident           | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name  | date time     | Initial<br>wt/ Final | Analyst |
|-----------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|------------|---------------|----------------------|---------|
| STD1            | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-09-04 | 9/4/18 10:59  |                      | AK/AP   |
| STD2            | 0.1960               | 0.2230                | 0.2340                | 0.7850                | 0.2110                | 0.0490                 | 1.3230                | 2018-09-04 | 9/4/18 11:29  |                      | AK/AP   |
| STD3            | 0.4070               | 0.6170                | 0.6320                | 2.1040                | 0.5280                | 0.9990                 | 3.2000                | 2018-09-04 | 9/4/18 11:59  |                      | AK/AP   |
| STD4            | 0.7330               | 1.2040                | 1.1860                | 3.9630                | 0.9920                | 2.0690                 | 5.9070                | 2018-09-04 | 9/4/18 12:29  |                      | AK/AP   |
| STD5            | 1.9250               | 2.9260                | 2.9000                | 9.6790                | 2.4000                | 5.3010                 | 14.3500               | 2018-09-04 | 9/4/18 12:58  |                      | AK/AP   |
| STD6            | 4.0190               | 5.8190                | 5.8430                | 19.4130               | 4.8370                | 9.8580                 | 28.9880               | 2018-09-04 | 9/4/18 13:28  |                      | AK/AP   |
| STD7            | 5.0180               | 7.6620                | 7.6550                | 25.5560               | 6.4060                | 12.4740                | 38.4830               | 2018-09-04 | 9/4/18 13:58  |                      | AK/AP   |
| ICV             | 1.9790               | 3.0470                | 3.0480                | 10.1300               | 2.5080                | 5.2630                 | 14.9370               | 2018-09-04 | 9/4/18 15:28  |                      | AK/AP   |
| ICB             | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-09-04 | 9/4/18 15:58  |                      | AK/AP   |
| CCV             | 1.9140               | 2.9990                | 3.0020                | 10.0230               | 2.4980                | 4.2060                 | 13.8340               | 2018-09-28 | 9/28/18 11:01 |                      | AK/AP   |
| CCB             | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-09-28 | 9/28/18 11:43 |                      | AK/AP   |
| LB98251BLW      | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-09-28 | 9/28/18 12:13 |                      | AK/AP   |
| LB98251BSW      | 2.1280               | 3.0250                | 3.0090                | 10.0280               | 2.5050                | 5.3170                 | 14.3720               | 2018-09-28 | 9/28/18 12:43 |                      | AK/AP   |
| J5155-01        | 0.0000               | 106.7710              | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 140.1170              | 2018-09-28 | 9/28/18 13:12 |                      | AK/AP   |
| J5155-02        | 0.5040               | 438.6620              | 0.0000                | 1.2920                | 0.0000                | 1.7710                 | 109.0090              | 2018-09-28 | 9/28/18 13:42 |                      | AK/AP   |
| J5155-03        | 0.0000               | 1231.8010             | 0.0000                | 2.6800                | 0.0000                | 2.6880                 | 884.4960              | 2018-09-28 | 9/28/18 14:14 |                      | AK/AP   |
| J5155-04        | 1.6410               | 1100.4890             | 0.0000                | 2.5860                | 0.1700                | 12.0990                | 1118.8120             | 2018-09-28 | 9/28/18 14:44 |                      | AK/AP   |
| J5155-05        | 2.8980               | 695.2660              | 0.0000                | 1.7750                | 0.0000                | 6.7500                 | 935.6670              | 2018-09-28 | 9/28/18 15:14 |                      | AK/AP   |
| J5155-05DUP     | 1.3680               | 708.3580              | 0.0000                | 1.8050                | 0.0000                | 6.3020                 | 913.6930              | 2018-09-28 | 9/28/18 15:44 |                      | AK/AP   |
| J5155-05MS      | 2.9160               | 628.8470              | 1.4210                | 11.6530               | 2.5430                | 10.0780                | 836.8720              | 2018-09-28 | 9/28/18 16:14 |                      | AK/AP   |
| J5155-05MSD     | 2.8610               | 638.3460              | 1.3800                | 11.3410               | 2.4710                | 10.5300                | 838.8730              | 2018-09-28 | 9/28/18 16:44 |                      | AK/AP   |
| CCV             | 1.9710               | 3.0450                | 3.0620                | 10.0760               | 2.5120                | 4.4470                 | 15.1510               | 2018-09-28 | 9/28/18 21:13 |                      | AK/AP   |
| CCB             | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-09-28 | 9/28/18 21:44 |                      | AK/AP   |
| J5168-01        | 0.0000               | 1229.3900             | 0.0000                | 2.9550                | 0.0000                | 1.7630                 | 121.9360              | 2018-09-28 | 9/28/18 22:15 |                      | AK/AP   |
| J5161-02        | 12.5220              | 1.9660                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.9150                | 2018-09-28 | 9/28/18 22:46 |                      | AK/AP   |
| J5161-05        | 1.8880               | 1.5060                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.2120                | 2018-09-28 | 9/28/18 23:17 |                      | AK/AP   |
| J5161-02DUP     | 0.0000               | 1.9300                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.9230                | 2018-09-28 | 9/28/18 23:48 |                      | AK/AP   |
| J5161-03MS      | 2.4580               | 4.8700                | 2.8880                | 10.1480               | 2.4840                | 1.1310                 | 15.6390               | 2018-09-29 | 9/29/18 0:19  |                      | AK/AP   |
| J5161-04MSD     | 2.3050               | 4.7040                | 2.7580                | 9.5660                | 2.4390                | 2.2520                 | 15.4050               | 2018-09-29 | 9/29/18 0:49  |                      | AK/AP   |
| J5155-01DLX5    | 0.0000               | 17.2550               | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 23.4980               | 2018-09-29 | 9/29/18 1:20  |                      | AK/AP   |
| J5155-01DL2X20  | 0.0000               | 3.9140                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 6.2700                | 2018-09-29 | 9/29/18 1:51  |                      | AK/AP   |
| J5155-02DLX5    | 0.0000               | 77.5880               | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 19.0100               | 2018-09-29 | 9/29/18 2:22  |                      | AK/AP   |
| J5155-02DL2X100 | 0.0000               | 3.1500                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.7320                | 2018-09-29 | 9/29/18 2:53  |                      | AK/AP   |
| CCV             | 2.2290               | 3.0730                | 3.0350                | 10.0370               | 2.4860                | 4.3870                 | 14.6280               | 2018-09-29 | 9/29/18 3:24  |                      | AK/AP   |
| CCB             | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-09-29 | 9/29/18 3:55  |                      | AK/AP   |



# CALIBRATION OF COMPONENT F-

IC-1 cal  
9-4-18  
AK

Method: ANIONS 09-04-18.mtw  
Equation:  $Q = 0.899783 \cdot A + 2.72293$   
RSD: 3.453 %  
Correlation coefficient: 0.999513



K3 = 0 K2 = 0 K1 = 0.899783 K0 = 2.72293

Base: Area

Ref.channel: Cond

ISTD:

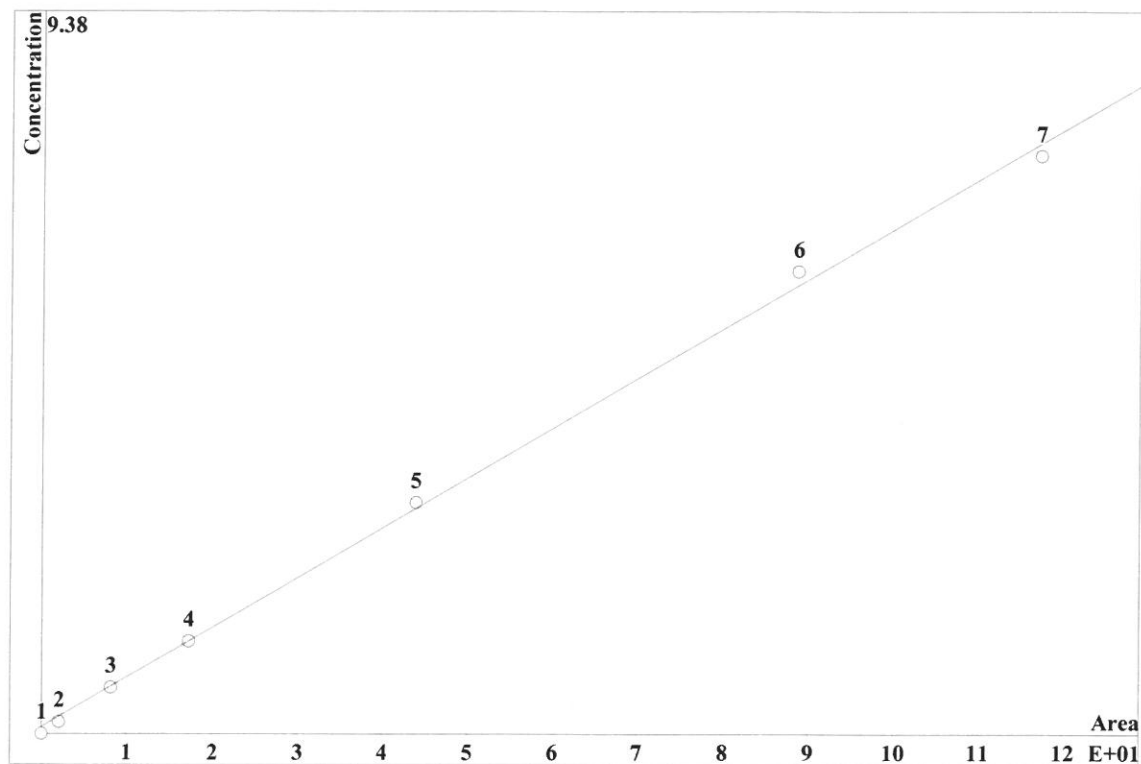
Formula: Linear

Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|---------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0       | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.05228 | 1.336 | 0.1   | 20      | 5.913     |      |      | Yes |
| 3     | 0.2345  | 6.021 | 0.4   | 20      | 5.913     |      |      | Yes |
| 4     | 0.5148  | 13.28 | 0.8   | 20      | 5.913     |      |      | Yes |
| 5     | 1.533   | 39.77 | 2     | 20      | 5.913     |      |      | Yes |
| 6     | 3.234   | 86.32 | 4     | 20      | 5.913     |      |      | Yes |
| 7     | 4.229   | 108.5 | 5     | 20      | 5.913     |      |      | Yes |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 09-04-18.mtw  
 Equation:  $Q = 1.29184 \cdot A + 1.78813$   
 RSD: 4.309 %  
 Correlation coefficient: 0.999242



K3 = 0      K2 = 0      K1 = 1.29184      K0 = 1.78813

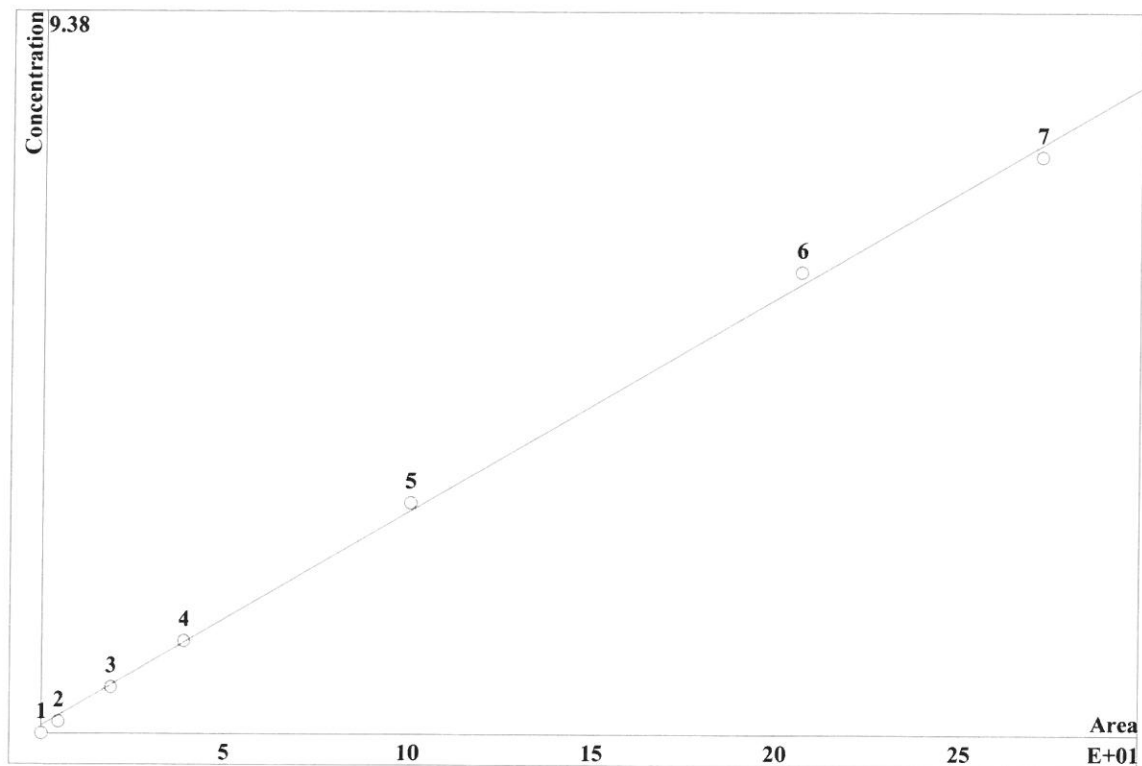
Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.123  | 2.067 | 0.15  | 20      | 8.858     |      | Yes  |
| 3     | 0.4946 | 8.169 | 0.6   | 20      | 8.858     |      | Yes  |
| 4     | 1.035  | 17.25 | 1.2   | 20      | 8.858     |      | Yes  |
| 5     | 2.69   | 43.91 | 3     | 20      | 8.858     |      | Yes  |
| 6     | 5.468  | 88.7  | 6     | 20      | 8.858     |      | Yes  |
| 7     | 7.305  | 117.2 | 7.5   | 20      | 8.858     |      | Yes  |



CALIBRATION OF COMPONENT NO2

Method: ANIONS 09-04-18.mtw  
 Equation:  $Q = 0.555871 \cdot A + 2.11184$   
 RSD: 4.201 %  
 Correlation coefficient: 0.999280

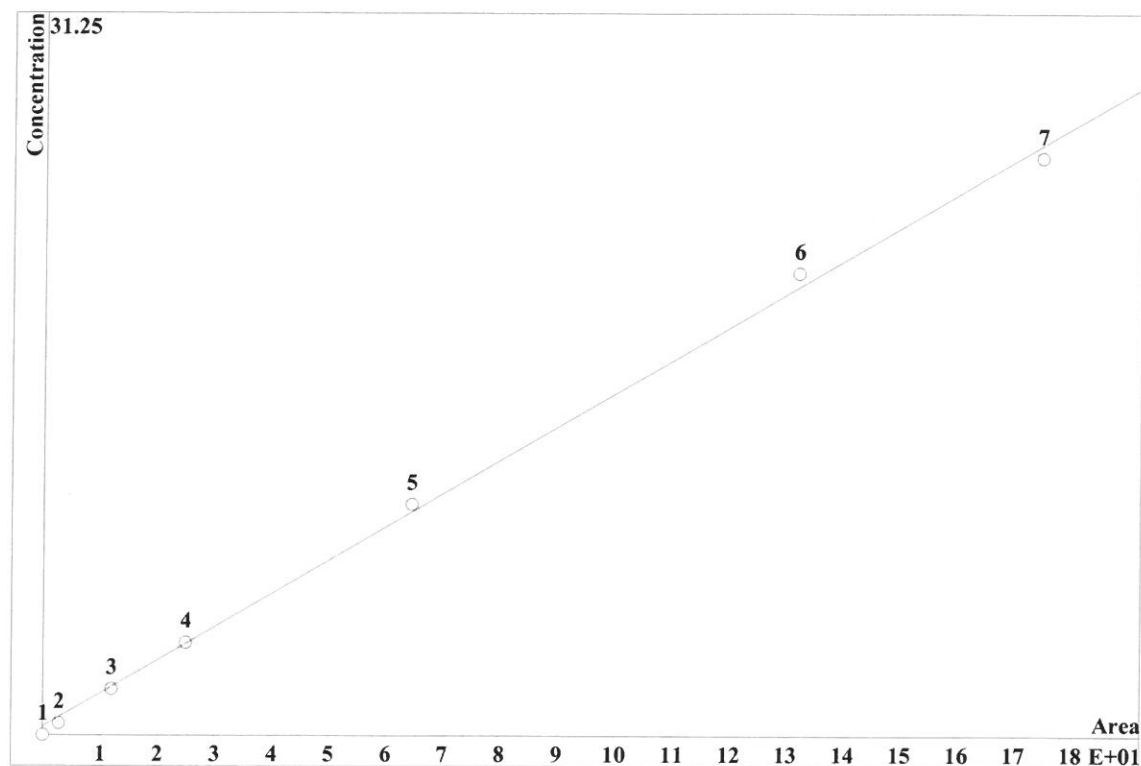


K3 = 0      K2 = 0      K1 = 0.555871      K0 = 2.11184  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.2443 | 4.621 | 0.15  | 20      | 10.65     |      | Yes  |
| 3     | 0.9895 | 18.94 | 0.6   | 20      | 10.65     |      | Yes  |
| 4     | 2.066  | 38.88 | 1.2   | 20      | 10.65     |      | Yes  |
| 5     | 5.357  | 100.5 | 3     | 20      | 10.65     |      | Yes  |
| 6     | 10.68  | 206.4 | 6     | 20      | 10.65     |      | Yes  |
| 7     | 13.97  | 271.6 | 7.5   | 20      | 10.65     |      | Yes  |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 09-04-18.mtw  
 Equation:  $Q = 2.88313 \cdot A + 7.56613$   
 RSD: 4.500 %  
 Correlation coefficient: 0.999173



K3 = 0      K2 = 0      K1 = 2.88313      K0 = 7.56613

Base: Area

Ref.channel: Cond

ISTD:

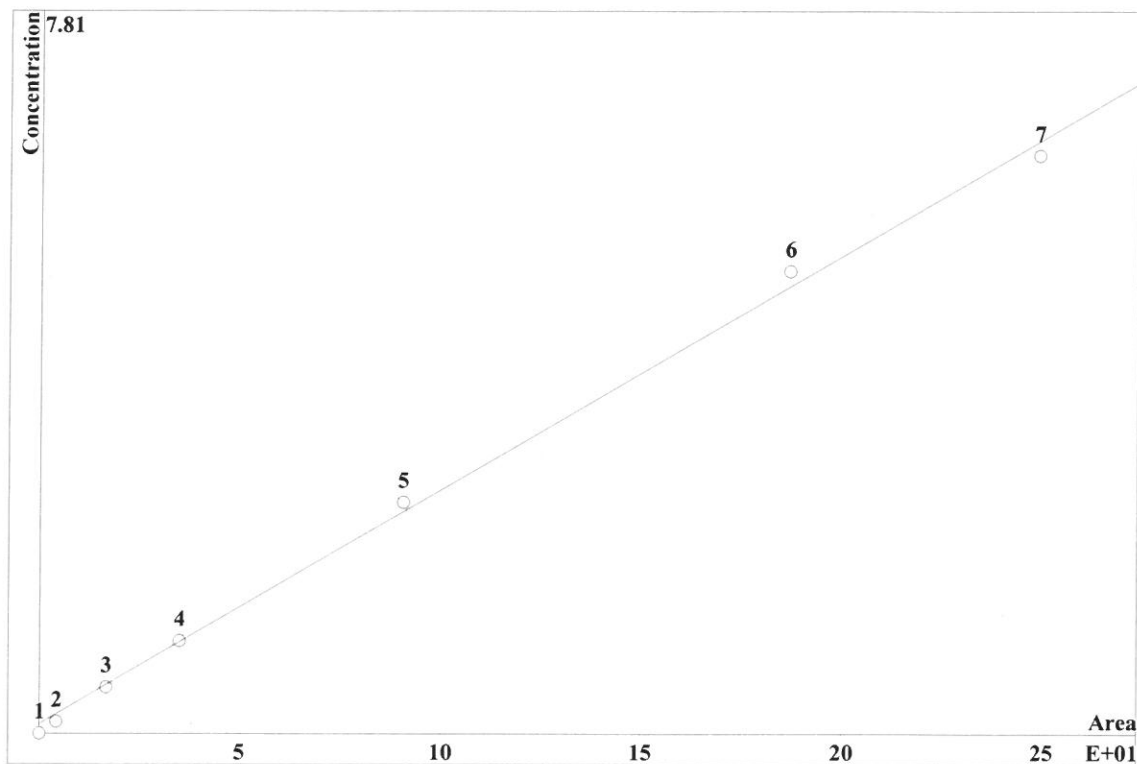
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.1371 | 2.823 | 0.5   | 20      | 13.72     |      | Yes  |
| 3     | 0.5728 | 11.97 | 2     | 20      | 13.72     |      | Yes  |
| 4     | 1.212  | 24.87 | 4     | 20      | 13.72     |      | Yes  |
| 5     | 3.172  | 64.52 | 10    | 20      | 13.72     |      | Yes  |
| 6     | 6.332  | 132   | 20    | 20      | 13.72     |      | Yes  |
| 7     | 8.221  | 174.7 | 25    | 20      | 13.72     |      | Yes  |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 09-04-18.mtw  
 Equation:  $Q = 0.506435 \cdot A + 2.06904$   
 RSD: 5.131 %  
 Correlation coefficient: 0.998925



K3 = 0      K2 = 0      K1 = 0.506435      K0 = 2.06904

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

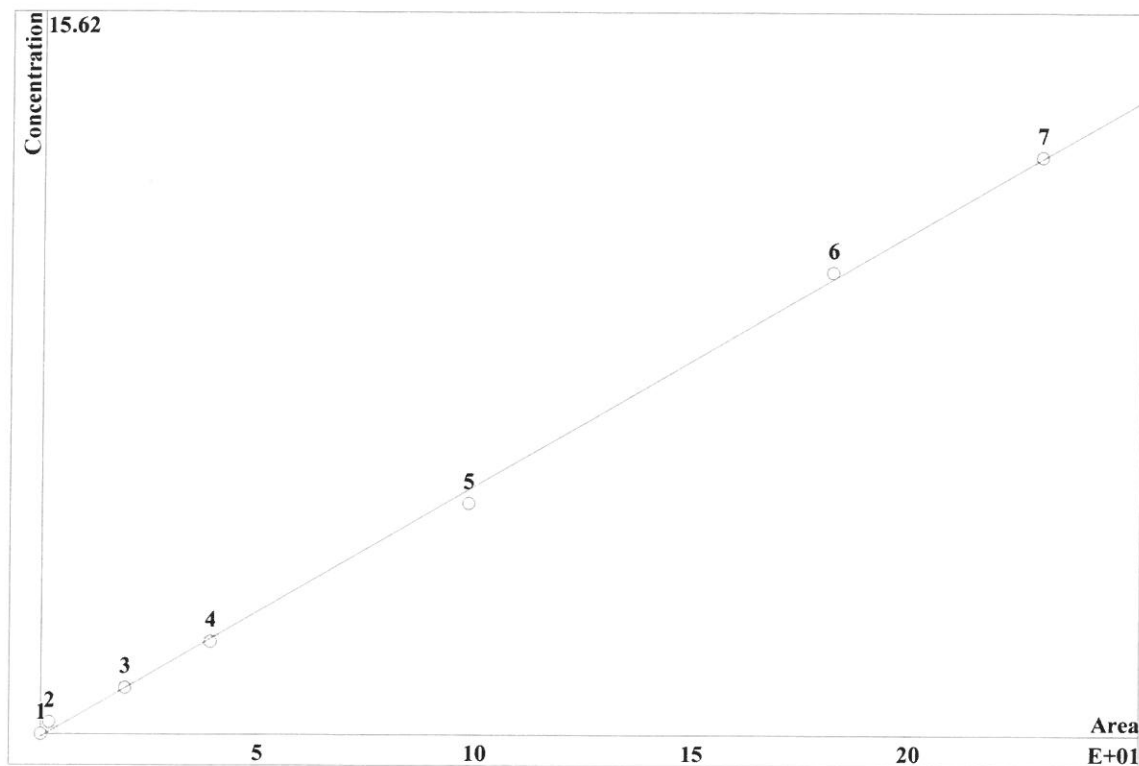
Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.1761 | 4.248 | 0.125 | 20      | 15.65     | Yes  |      |
| 3     | 0.717  | 16.79 | 0.5   | 20      | 15.65     | Yes  |      |
| 4     | 1.516  | 35.08 | 1     | 20      | 15.65     | Yes  |      |
| 5     | 4.035  | 90.69 | 2.5   | 20      | 15.65     | Yes  |      |
| 6     | 8.384  | 187   | 5     | 20      | 15.65     | Yes  |      |
| 7     | 11.27  | 248.9 | 6.25  | 20      | 15.65     | Yes  |      |

±□;□

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 09-04-18.mtw  
 Equation:  $Q = 1.0895 \cdot A - 1.12689$   
 RSD: 3.862 %  
 Correlation coefficient: 0.999391



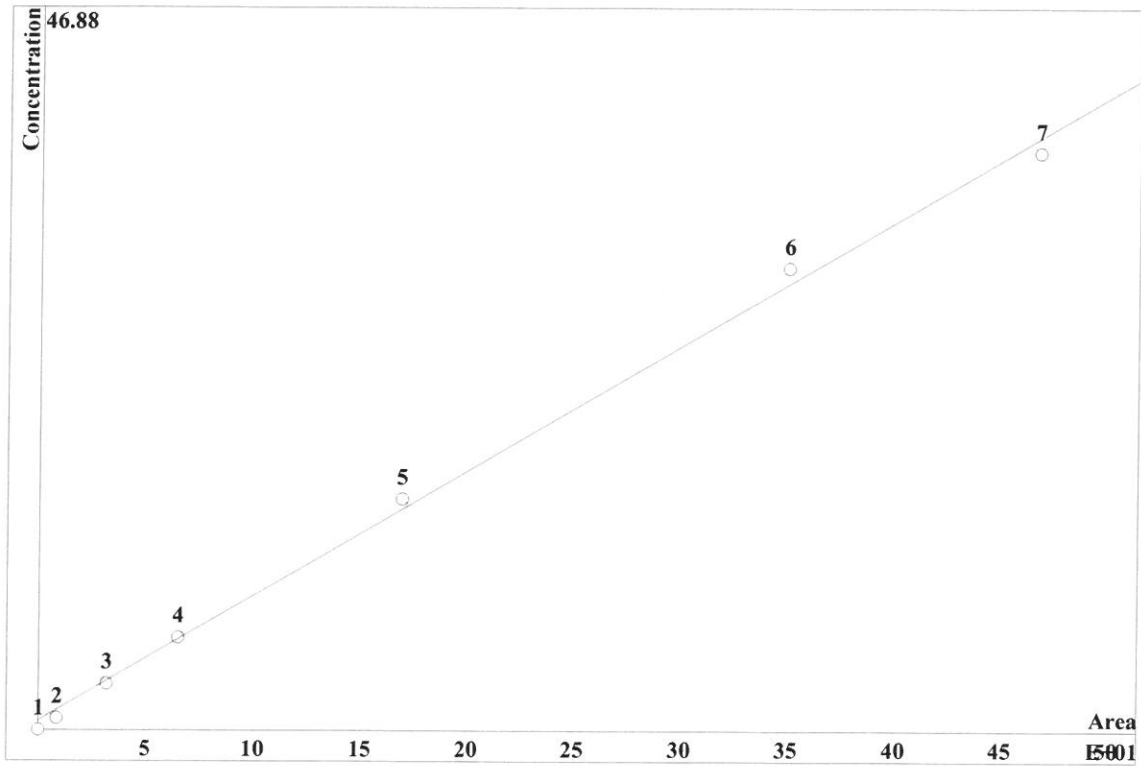
K3 = 0      K2 = 0      K1 = 1.0895      K0 = -1.12689

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     | 0.05941 | 1.931 | 0.25  | 20      | 21.48     |      | Yes  |
| 3     | 0.5152  | 19.38 | 1     | 20      | 21.48     |      | Yes  |
| 4     | 1.069   | 39.02 | 2     | 20      | 21.48     |      | Yes  |
| 5     | 2.889   | 98.34 | 5     | 20      | 21.48     |      | Yes  |
| 6     | 5.468   | 182   | 10    | 20      | 21.48     |      | Yes  |
| 7     | 7.057   | 230   | 12.5  | 20      | 21.48     |      | Yes  |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 09-04-18.mtw  
 Equation:  $Q = 1.61971 \cdot A + 12.4616$   
 RSD: 5.431 %  
 Correlation coefficient: 0.998795



K3 = 0      K2 = 0      K1 = 1.61971      K0 = 12.4616

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     | 0.2749 | 8.639 | 0.75  | 20      | 25.17     |      | Yes  |
| 3     | 1.043  | 31.82 | 3     | 20      | 25.17     |      | Yes  |
| 4     | 2.181  | 65.24 | 6     | 20      | 25.17     |      | Yes  |
| 5     | 5.784  | 169.5 | 15    | 20      | 25.17     |      | Yes  |
| 6     | 12.02  | 350.2 | 30    | 20      | 25.17     |      | Yes  |
| 7     | 16.25  | 467.5 | 37.5  | 20      | 25.17     |      | Yes  |

IC-1 Cal  
09-04-2018

Report date: 9/6/2018 10:31:55 AM  
Printed by: wet

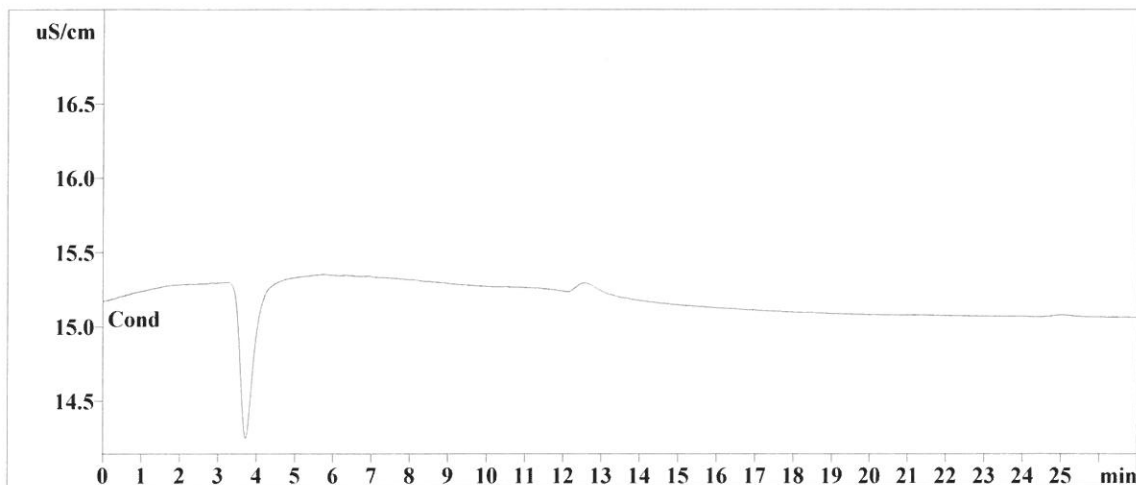
Ident: STD1  
Analysis from: 9/4/2018 10:59:17 AM  
File: \_2018-09-04\_

Last save: 9/4/2018 2:59:20 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63678

Last save: 9/4/2018 8:54:34 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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Report date: 9/6/2018 10:32:08 AM  
Printed by: wet

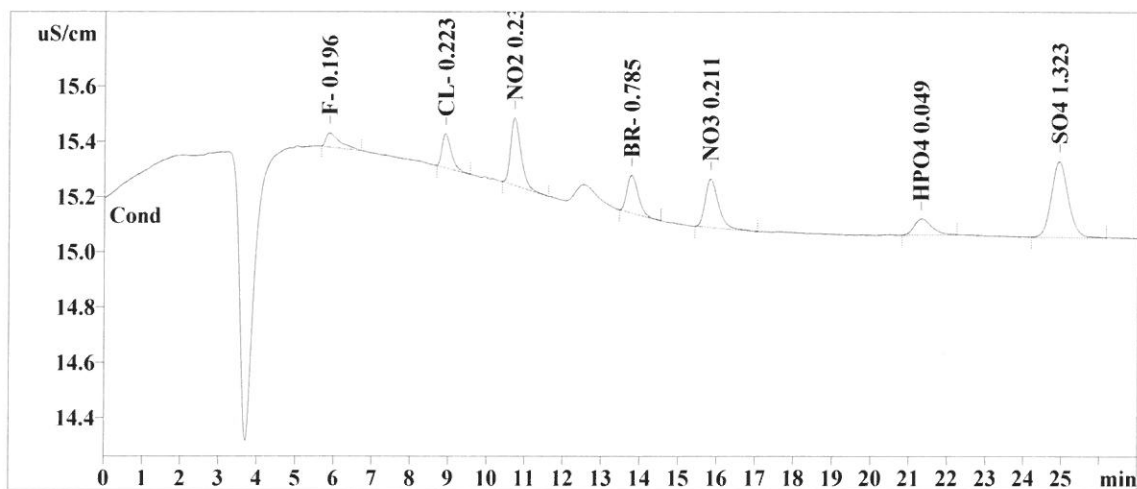
Ident: STD2  
Analysis from: 9/4/2018 11:29:12 AM  
File: \_2018-09-04\_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63679

Last save: 9/4/2018 8:54:34 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  | 5.88             | 0.366          | 0.05            | 4.79        | 1.336             | 5.21      | 0. |
| 2  | 8.90             | 0.254          | 0.12            | 11.50       | 2.067             | 8.05      | 0. |
| 3  | 10.72            | 0.284          | 0.24            | 22.81       | 4.621             | 18.01     | 0. |
| 4  | 13.78            | 0.319          | 0.14            | 12.80       | 2.823             | 11.00     | 0. |
| 5  | 15.82            | 0.360          | 0.18            | 16.42       | 4.248             | 16.55     | 0. |
| 6  | 21.32            | 0.487          | 0.06            | 5.52        | 1.931             | 7.52      | 0. |
| 7  | 24.92            | 0.476          | 0.27            | 25.73       | 8.639             | 33.66     | 0. |
| 7  | 27.00            | 0.364          | 1.06            | 99.58       | 25.666            | 100.00    | 0. |

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Report date: 9/6/2018 10:32:16 AM  
Printed by: wet

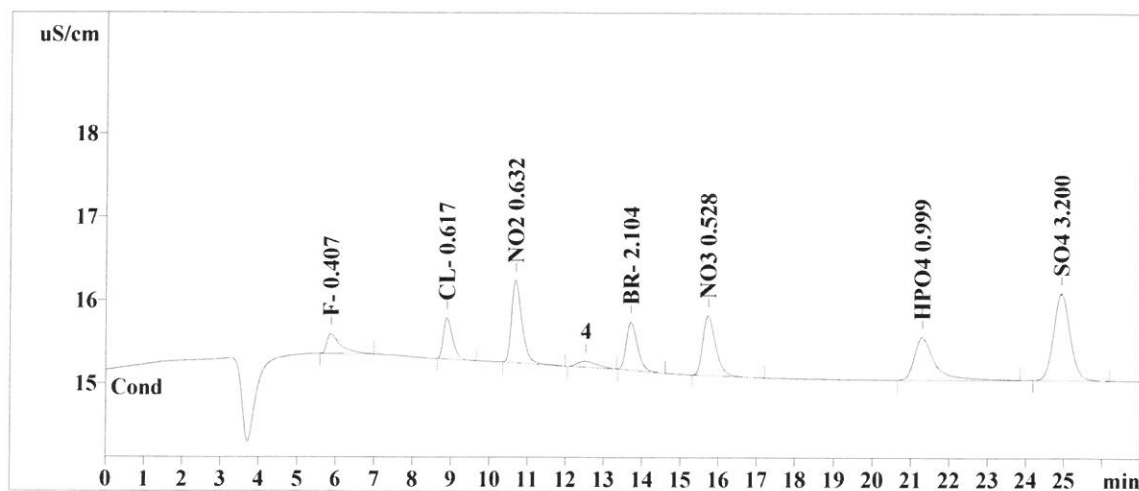
Ident: STD3  
Analysis from: 9/4/2018 11:59:07 AM  
File: \_2018-09-04\_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63680

Last save: 9/4/2018 8:54:34 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  | 5.87             | 0.352          | 0.23            | 5.05        | 6.021             | 5.20      | 0. |
| 2  | 8.89             | 0.251          | 0.49            | 10.66       | 8.169             | 7.06      | 0. |
| 3  | 10.68            | 0.284          | 0.99            | 21.32       | 18.941            | 16.37     | 0. |
| 4  | 13.71            | 0.319          | 0.57            | 12.34       | 11.969            | 10.34     | 0. |
| 5  | 15.72            | 0.353          | 0.72            | 15.44       | 16.786            | 14.50     | 0. |
| 6  | 21.28            | 0.499          | 0.51            | 11.09       | 19.376            | 16.74     | 0. |
| 7  | 24.92            | 0.466          | 1.04            | 22.47       | 31.819            | 27.49     | 0. |
| 7  | 27.00            | 0.360          | 4.56            | 98.38       | 113.081           | 97.71     | 0. |

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Report date: 9/6/2018 10:32:32 AM  
Printed by: wet

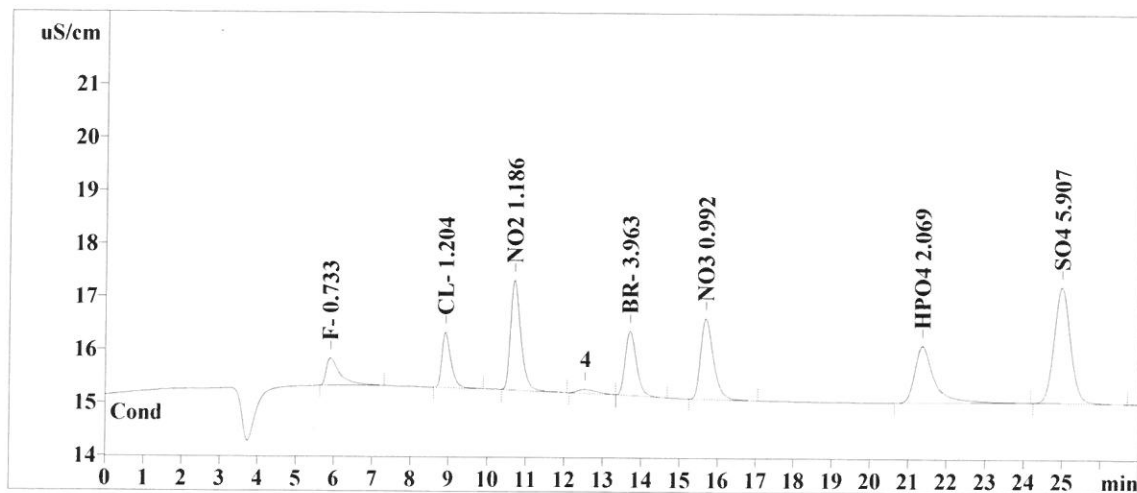
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Analysis from: 9/4/2018 12:29:02 PM  
File: \_2018-09-04\_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63681

Last save: 9/4/2018 8:54:34 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             | 0.347          | 0.51            | 5.32        | 13.277            | 5.62      | 0. |
| 2  | 8.90             | 0.250          | 1.04            | 10.71       | 17.249            | 7.30      | 0. |
| 3  | 10.69            | 0.280          | 2.07            | 21.36       | 38.880            | 16.46     | 0. |
| 4  | 13.69            | 0.314          | 1.21            | 12.53       | 24.868            | 10.53     | 0. |
| 5  | 15.67            | 0.347          | 1.52            | 15.67       | 35.082            | 14.85     | 0. |
| 6  | 21.36            | 0.483          | 1.07            | 11.06       | 39.021            | 16.52     | 0. |
| 7  | 24.97            | 0.456          | 2.18            | 22.55       | 65.240            | 27.62     | 0. |
| 7  | 27.00            | 0.354          | 9.59            | 99.19       | 233.619           | 98.89     | 0. |

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Report date: 9/6/2018 10:32:47 AM  
 Printed by: wet

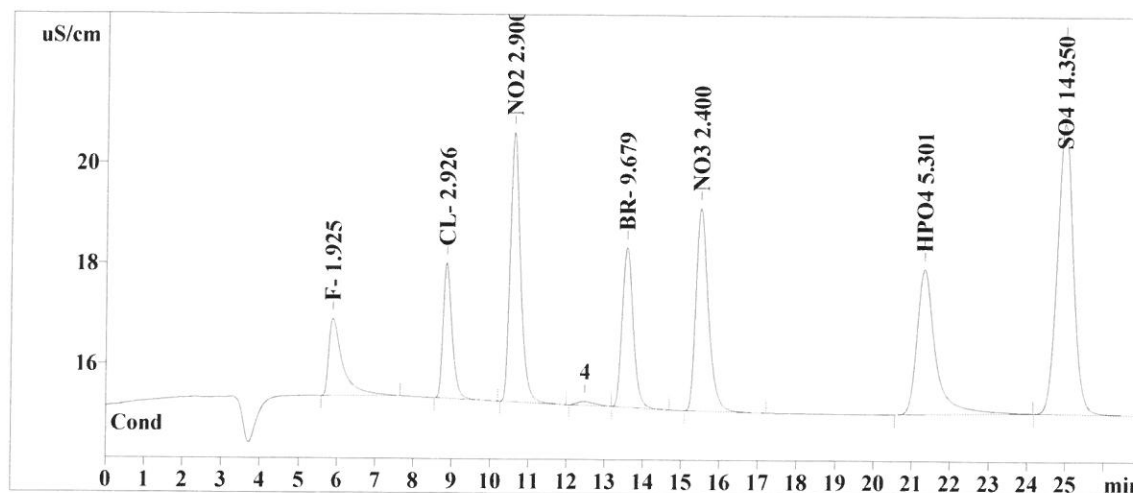
Ident: STD5  
 Analysis from: 9/4/2018 12:58:58 PM  
 File: \_2018-09-04\_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 63682

Last save: 9/4/2018 8:54:34 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  | 5.88             | 0.343          | 1.53            | 6.00        | 39.768            | 6.52      | 0. |
| 2  | 8.85             | 0.245          | 2.69            | 10.53       | 43.912            | 7.20      | 0. |
| 3  | 10.59            | 0.280          | 5.36            | 20.97       | 100.543           | 16.49     | 0. |
| 4  | 13.56            | 0.311          | 3.17            | 12.42       | 64.517            | 10.58     | 0. |
| 5  | 15.49            | 0.336          | 4.03            | 15.80       | 90.690            | 14.87     | 0. |
| 6  | 21.31            | 0.458          | 2.89            | 11.31       | 98.345            | 16.12     | 0. |
| 7  | 24.95            | 0.446          | 5.78            | 22.65       | 169.497           | 27.79     | 0. |
| 7  | 27.00            | 0.346          | 25.46           | 99.68       | 607.273           | 99.57     | 0. |

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Report date: 9/6/2018 10:34:20 AM  
 Printed by: wet

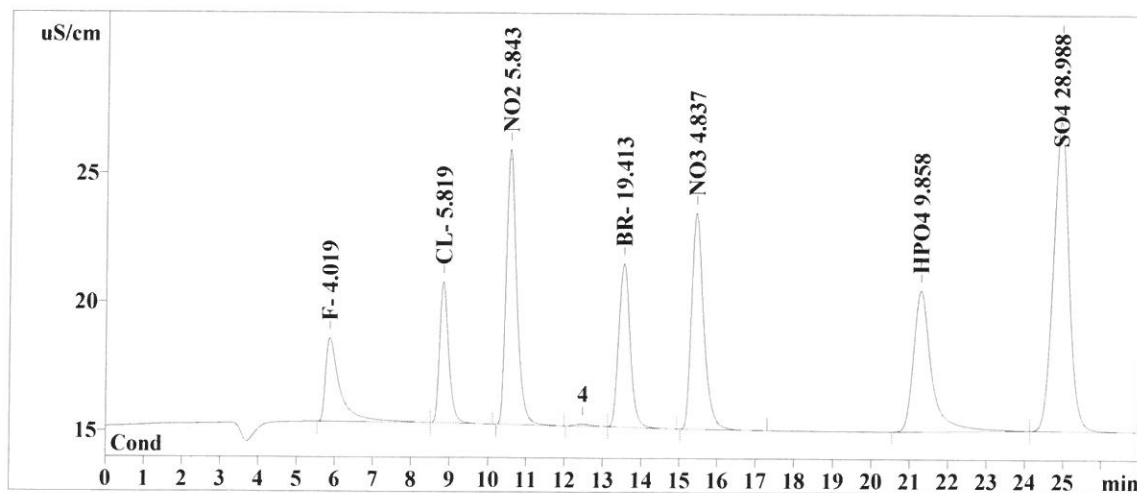
Ident: STD6  
 Analysis from: 9/4/2018 1:28:53 PM  
 File: \_2018-09-04\_

Last save: 9/4/2018 2:59:22 PM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 63683

Last save: 9/4/2018 8:54:34 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  | 5.86             | 0.343          | 3.23            | 6.26        | 86.317            | 6.99      | 0. |
| 2  | 8.81             | 0.243          | 5.47            | 10.58       | 88.700            | 7.18      | 0. |
| 3  | 10.55            | 0.289          | 10.68           | 20.67       | 206.436           | 16.71     | 0. |
| 4  | 13.53            | 0.320          | 6.33            | 12.26       | 132.040           | 10.69     | 0. |
| 5  | 15.42            | 0.332          | 8.38            | 16.23       | 186.955           | 15.13     | 0. |
| 6  | 21.27            | 0.452          | 5.47            | 10.58       | 181.997           | 14.73     | 0. |
| 7  | 24.90            | 0.442          | 12.02           | 23.27       | 350.247           | 28.35     | 0. |
| 7  | 27.00            | 0.346          | 51.59           | 99.84       | 1232.691          | 99.79     | 0. |

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Report date: 9/6/2018 10:34:30 AM  
Printed by: wet

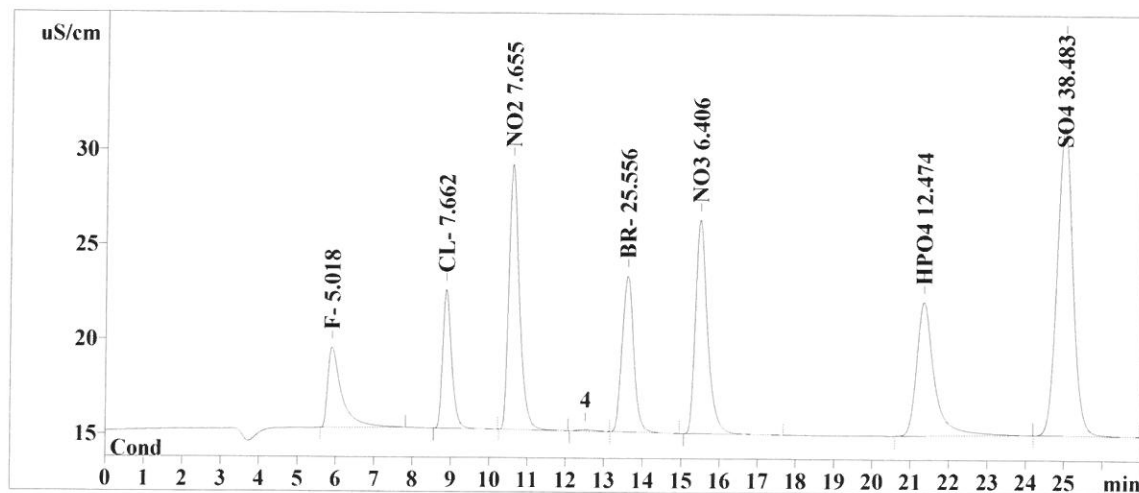
Ident: STD7  
Analysis from: 9/4/2018 1:58:48 PM  
File: \_2018-09-04\_

Last save: 9/4/2018 3:00:00 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63684

Last save: 9/4/2018 8:54:34 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.89             | 0.343          | 4.23            | 6.18        | 108.522           | 6.70      | 0. |
| 2  | 8.86             | 0.241          | 7.30            | 10.68       | 117.237           | 7.23      | 0. |
| 3  | 10.59            | 0.291          | 13.97           | 20.43       | 271.607           | 16.76     | 0. |
| 4  | 13.59            | 0.328          | 8.22            | 12.02       | 174.656           | 10.78     | 0. |
| 5  | 15.46            | 0.327          | 11.27           | 16.48       | 248.910           | 15.36     | 0. |
| 6  | 21.33            | 0.444          | 7.06            | 10.32       | 230.013           | 14.19     | 0. |
| 7  | 24.97            | 0.436          | 16.25           | 23.77       | 467.485           | 28.84     | 0. |
| 7  | 27.00            | 0.344          | 68.30           | 99.88       | 1618.430          | 99.85     | 0. |

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Report date: 9/6/2018 10:35:22 AM  
Printed by: wet

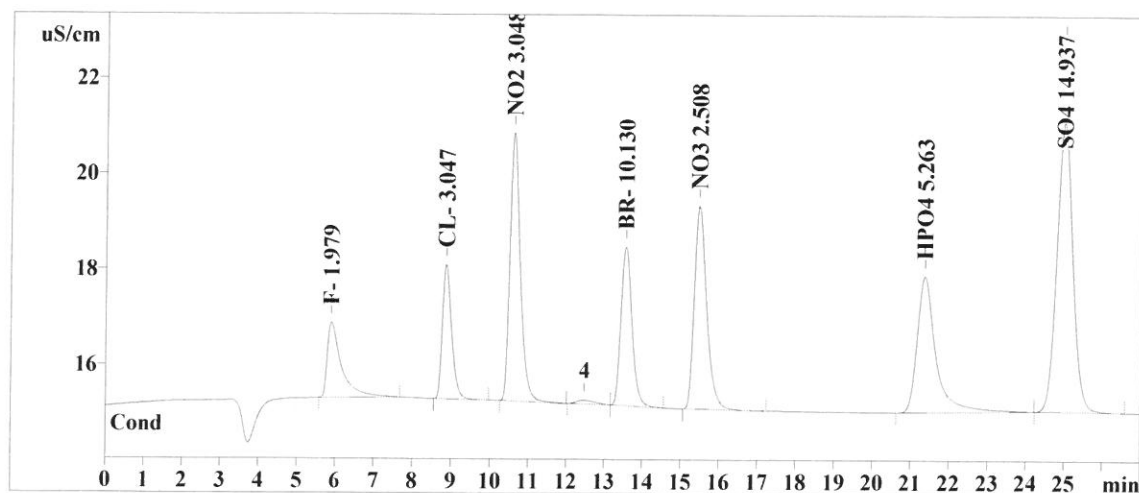
Ident: ICV  
Analysis from: 9/4/2018 3:28:33 PM  
File: \_2018-09-04\_

Last save: 9/4/2018 3:55:22 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63687

Last save: 9/4/2018 2:59:30 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.90             | 0.344          | 1.57            | 5.92        | 40.953            | 6.48      | 0. |
| 2  | 8.86             | 0.246          | 2.81            | 10.58       | 45.786            | 7.24      | 0. |
| 3  | 10.59            | 0.282          | 5.61            | 21.14       | 105.878           | 16.75     | 0. |
| 4  | 13.55            | 0.312          | 3.33            | 12.53       | 67.647            | 10.70     | 0. |
| 5  | 15.47            | 0.335          | 4.25            | 16.00       | 94.966            | 15.02     | 0. |
| 6  | 21.35            | 0.460          | 2.85            | 10.72       | 97.647            | 15.44     | 0. |
| 7  | 24.98            | 0.445          | 6.05            | 22.81       | 176.741           | 27.95     | 0. |
| 7  | 27.00            | 0.346          | 26.46           | 99.70       | 629.617           | 99.58     | 0. |

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Report date: 9/6/2018 10:35:42 AM  
Printed by: wet

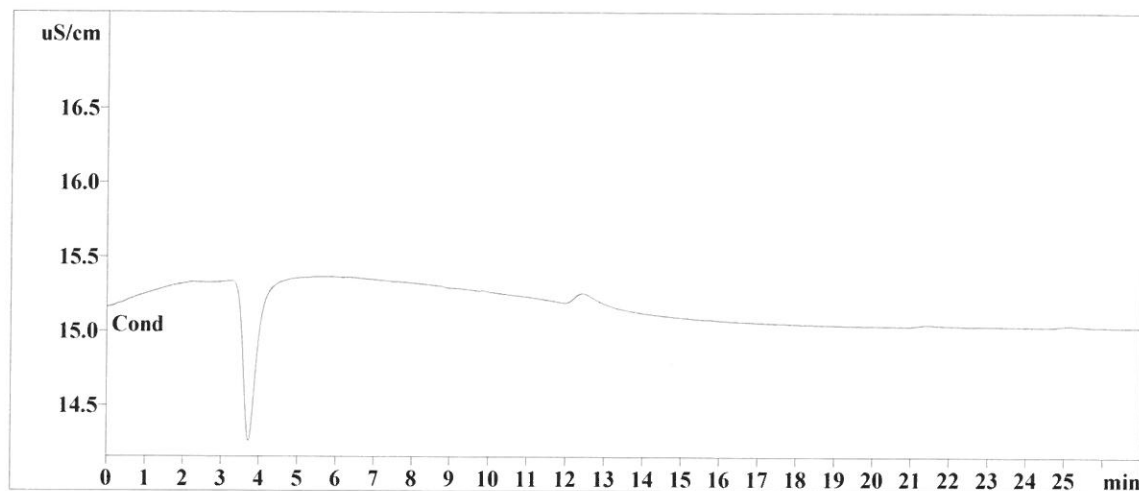
Ident: ICB  
Analysis from: 9/4/2018 3:58:28 PM  
File: \_2018-09-04\_

Last save: 9/6/2018 10:35:40 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 63688

Last save: 9/4/2018 2:59:30 PM

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



Quantitation method: Custom

No peaks

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Report date: 9/28/2018 12:56:53 PM  
Printed by: wet

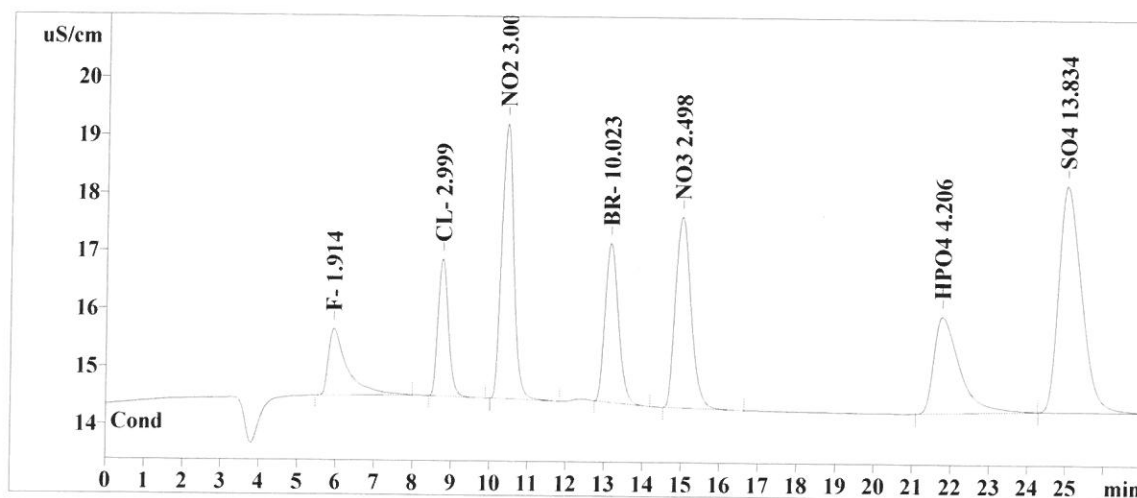
Ident: CCV  
Analysis from: 9/28/2018 11:01:49 AM  
File: \_2018-09-28\_

Last save: 9/28/2018 11:28:38 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64206

Last save: 9/19/2018 5:20:14 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.94             | 0.444          | 1.15            | 5.78        | 39.518            | 6.68      | 0. |
| 2  | 8.75             | 0.296          | 2.37            | 11.91       | 45.040            | 7.61      | 0. |
| 3  | 10.41            | 0.341          | 4.75            | 23.86       | 104.204           | 17.61     | 0. |
| 4  | 13.14            | 0.379          | 2.75            | 13.82       | 66.904            | 11.31     | 0. |
| 5  | 15.00            | 0.448          | 3.30            | 16.57       | 94.574            | 15.99     | 0. |
| 6  | 21.76            | 0.676          | 1.67            | 8.40        | 78.244            | 13.23     | 0. |
| 7  | 25.00            | 0.645          | 3.91            | 19.66       | 163.129           | 27.57     | 0. |
| 7  | 27.00            | 0.461          | 19.89           | 99.99       | 591.613           | 100.00    | 0. |

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Report date: 9/28/2018 12:57:01 PM  
Printed by: wet

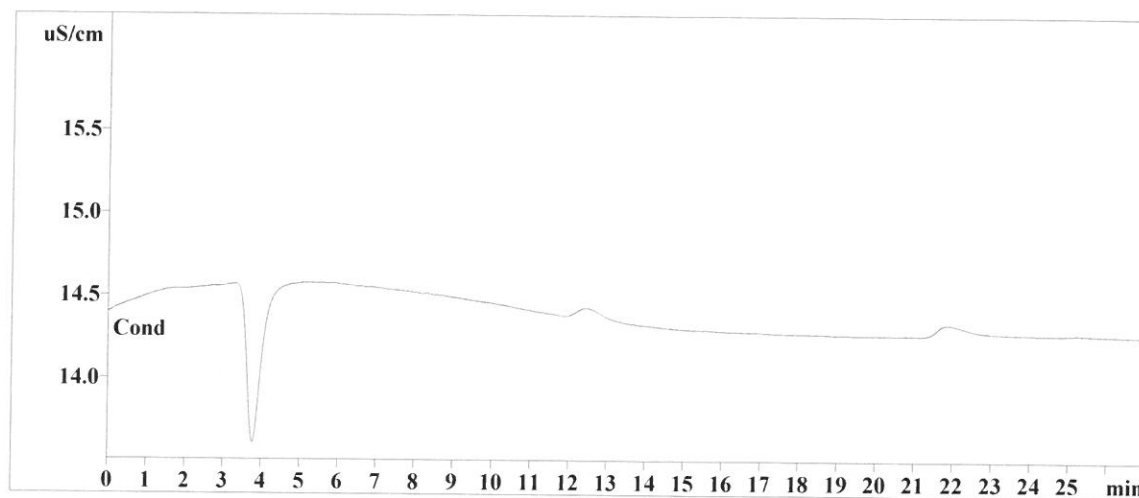
Ident: CCB  
Analysis from: 9/28/2018 11:43:13 AM  
File: \_2018-09-28\_

Last save: 9/28/2018 12:12:32 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64207

Last save: 9/19/2018 5:20:14 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
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Report date: 10/1/2018 10:51:15 AM  
Printed by: wet

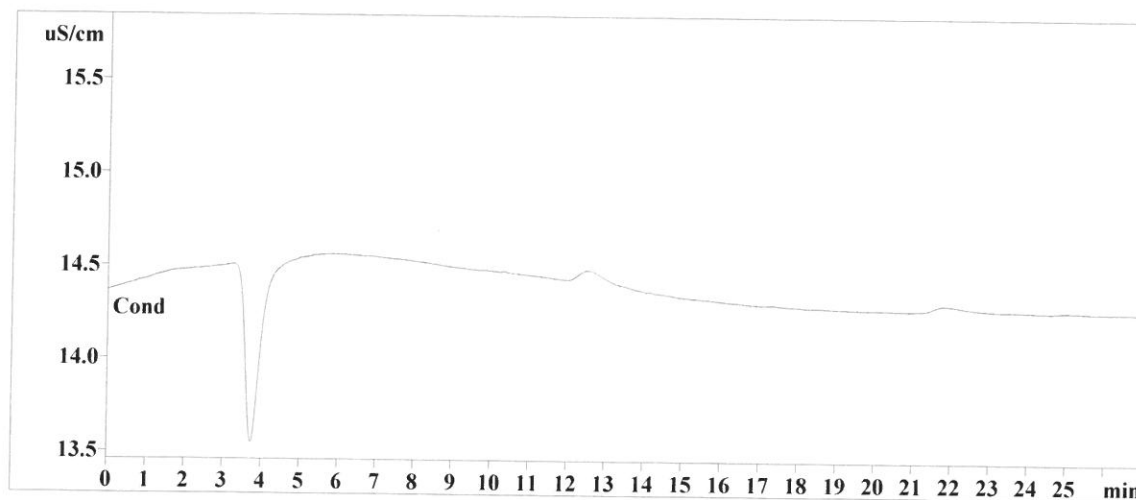
Ident: LB98251BLW  
Analysis from: 9/28/2018 12:13:08 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 10:51:14 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64208

Last save: 9/19/2018 5:20:14 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
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Report date: 10/1/2018 11:01:23 AM  
Printed by: wet

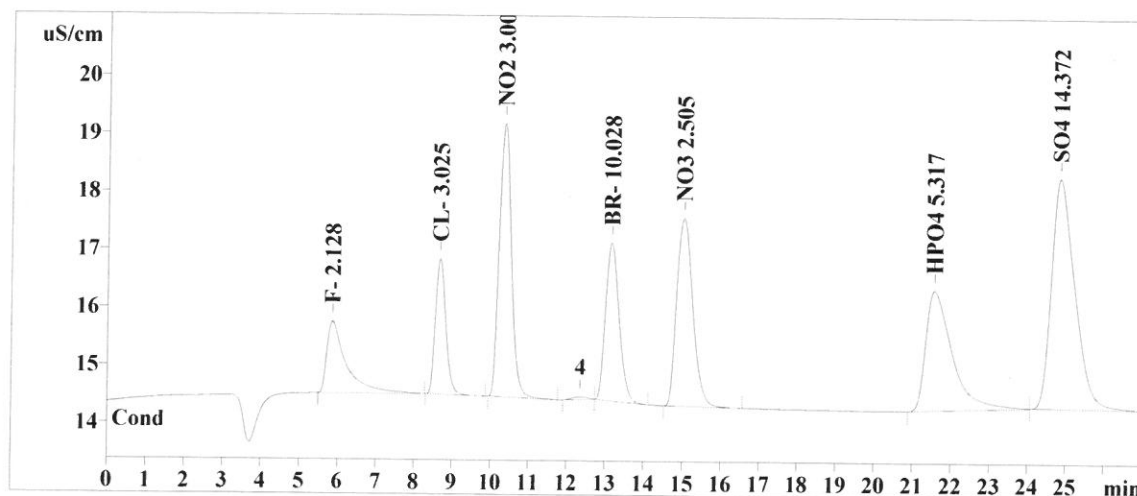
Ident: LB98251BSW  
Analysis from: 9/28/2018 12:43:04 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 10:50:46 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64209

Last save: 9/19/2018 5:20:14 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.85             | 0.458          | 1.24            | 6.09        | 44.268            | 7.08      | 0. |
| 2  | 8.66             | 0.302          | 2.34            | 11.47       | 45.445            | 7.26      | 0. |
| 3  | 10.33            | 0.342          | 4.72            | 23.21       | 104.453           | 16.70     | 0. |
| 4  | 13.14            | 0.383          | 2.72            | 13.37       | 66.938            | 10.70     | 0. |
| 5  | 15.01            | 0.458          | 3.24            | 15.92       | 94.839            | 15.16     | 0. |
| 6  | 21.55            | 0.685          | 2.07            | 10.17       | 98.640            | 15.77     | 0. |
| 7  | 24.82            | 0.659          | 3.97            | 19.51       | 169.765           | 27.14     | 0. |
| 7  | 27.00            | 0.470          | 20.31           | 99.75       | 624.349           | 99.80     | 0. |

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Report date: 10/1/2018 11:02:22 AM  
 Printed by: wet

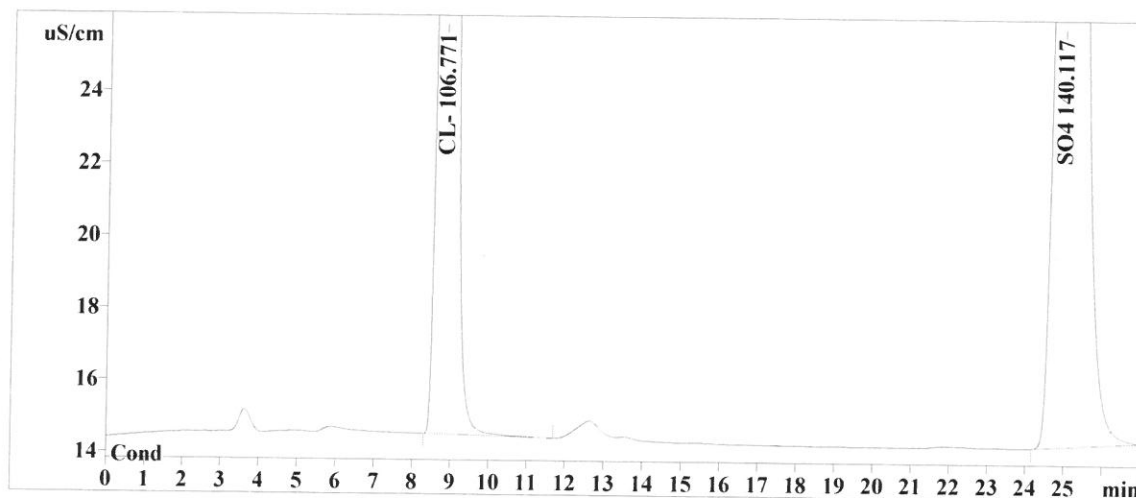
Ident: J5155-01  
 Analysis from: 9/28/2018 1:12:59 PM  
 File: \_2018-09-28\_

Last save: 10/1/2018 11:02:24 AM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 64210

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
 : AK/AP  
 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.80             | 0.372          | 69.41           | 64.42       | 1651.619          | 48.95     | 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  | 24.94            | 0.717          | 38.33           | 35.58       | 1722.446          | 51.05     | 0. |
| 7  | 27.00            | 0.156          | 107.74          | 100.00      | 3374.064          | 100.00    | 0. |

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Report date: 10/1/2018 11:02:52 AM  
Printed by: wet

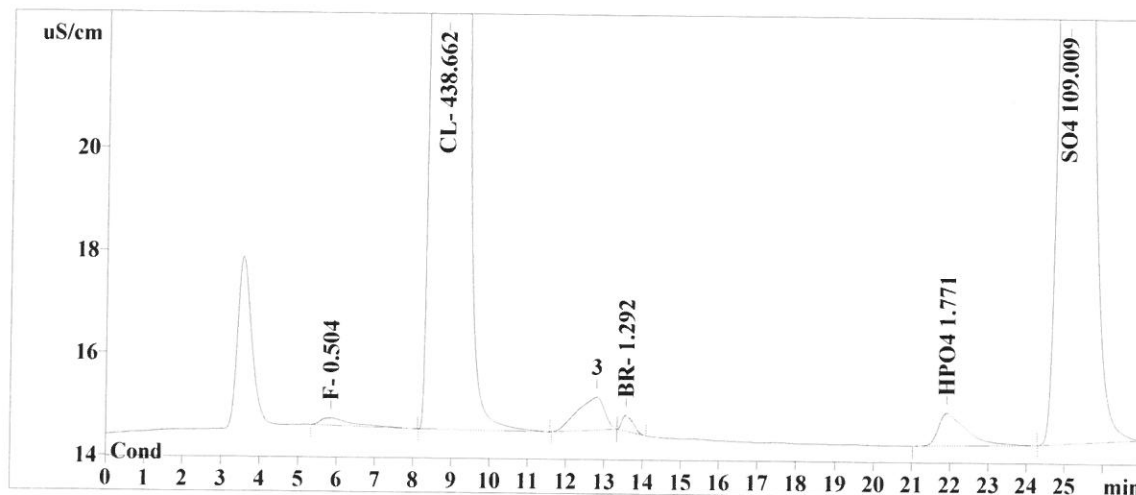
Ident: J5155-02  
Analysis from: 9/28/2018 1:42:54 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 11:02:52 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64211

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
: AK/AP  
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  | 5.84             | 0.730          | 0.14            | 0.06        | 8.180             | 0.10      | 0. |
| 2  | 8.82             | 0.558          | 196.12          | 85.58       | 6789.883          | 82.73     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.57            | 0.343          | 0.31            | 0.13        | 6.337             | 0.08      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 21.91            | 0.768          | 0.64            | 0.28        | 33.541            | 0.41      | 0. |
| 7  | 25.03            | 0.680          | 31.30           | 13.66       | 1338.329          | 16.31     | 0. |
| 7  | 27.00            | 0.440          | 228.51          | 99.72       | 8176.270          | 99.62     | 0. |

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Report date: 10/1/2018 11:03:11 AM  
 Printed by: wet

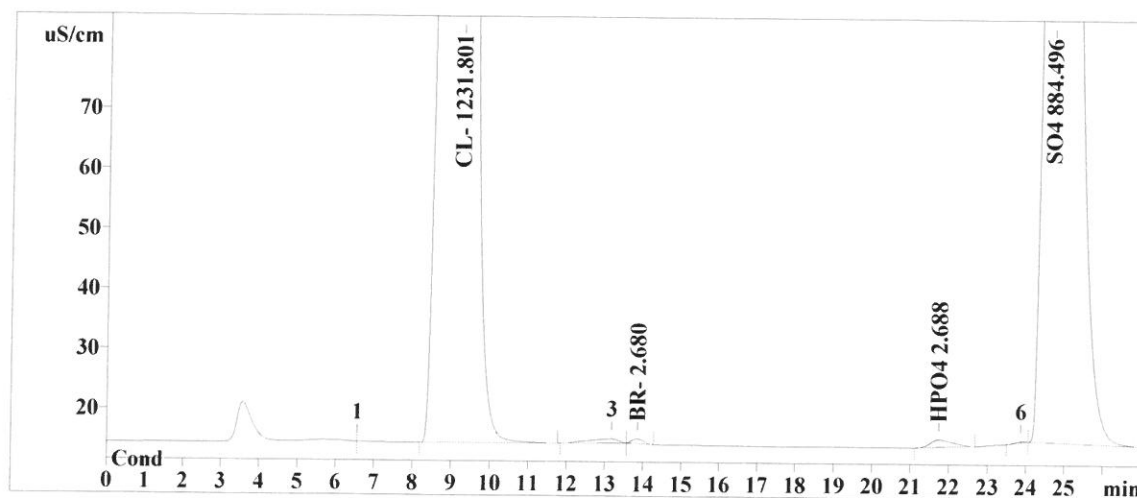
Ident: J5155-03  
 Analysis from: 9/28/2018 2:14:37 PM  
 File: \_2018-09-28\_

Last save: 9/28/2018 2:41:26 PM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 64212

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
 : AK/AP  
 Vial number: 21  
 Volume: 20.0 µL  
 Dilution: 1.00  
 Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 9.23             | 0.754          | 411.02          | 66.66       | 19069.097         | 63.37     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.87            | 0.354          | 0.75            | 0.12        | 15.966            | 0.05      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 21.74            | 0.656          | 1.26            | 0.20        | 50.377            | 0.17      | 0. |
| 7  | 24.65            | 0.867          | 202.71          | 32.87       | 10913.927         | 36.27     | 0. |
| 7  | 27.00            | 0.376          | 615.74          | 99.86       | 30049.367         | 99.87     | 0. |

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Report date: 10/1/2018 11:03:46 AM  
Printed by: wet

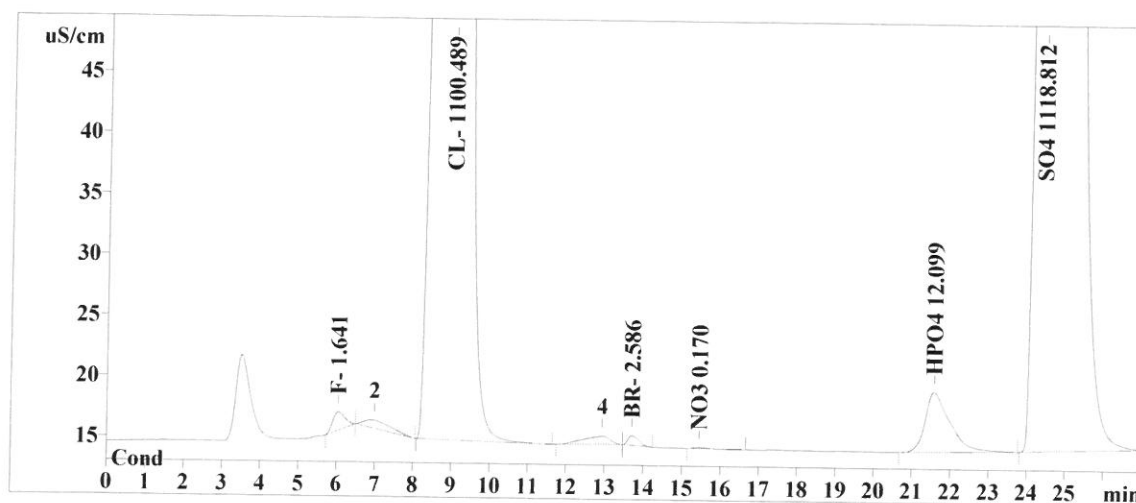
Ident: J5155-04  
Analysis from: 9/28/2018 2:44:32 PM  
File: \_2018-09-28\_

Last save: 9/28/2018 3:11:22 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64213

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
: AK/AP  
Vial number: 22  
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  | 6.03             | 0.361          | 1.50            | 0.22        | 33.454            | 0.11      | 0. |
| 2  | 9.02             | 0.685          | 405.49          | 60.53       | 17036.152         | 54.63     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.71            | 0.321          | 0.79            | 0.12        | 15.317            | 0.05      | 0. |
| 5  | 15.44            | 0.453          | 0.09            | 0.01        | 2.624             | 0.01      | 0. |
| 6  | 21.57            | 0.655          | 4.95            | 0.74        | 223.144           | 0.72      | 0. |
| 7  | 24.40            | 0.869          | 255.74          | 38.17       | 13807.236         | 44.27     | 0. |
| 7  | 27.00            | 0.478          | 668.56          | 99.80       | 31117.928         | 99.78     | 0. |

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Report date: 10/1/2018 11:03:58 AM  
 Printed by: wet

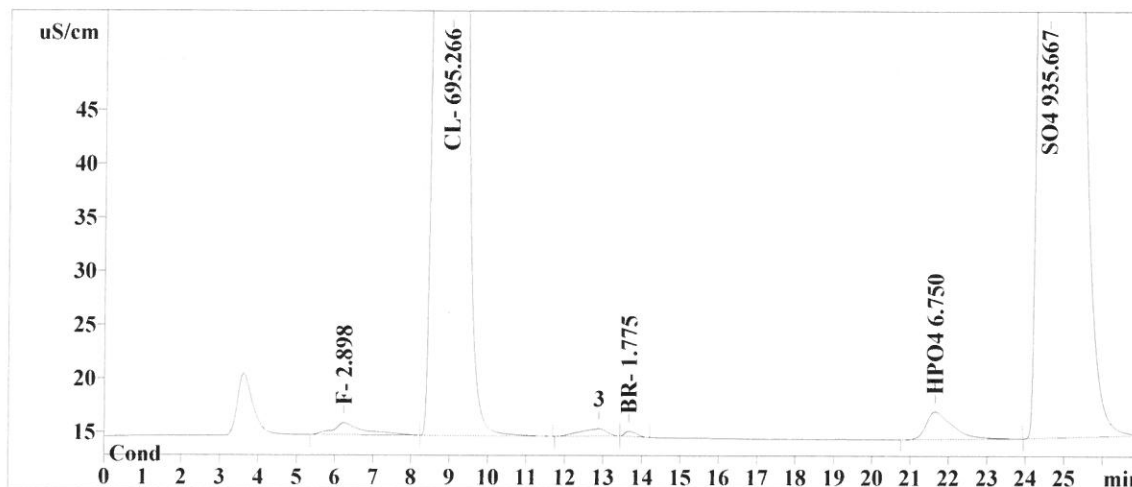
Ident: J5155-05  
 Analysis from: 9/28/2018 3:14:28 PM  
 File: \_2018-09-28\_

Last save: 9/28/2018 3:41:18 PM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 64214

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
 : AK/AP  
 Vial number: 23  
 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  | 6.24             | 0.592          | 1.11            | 0.22        | 61.383            | 0.27      | 0. |
| 2  | 9.02             | 0.618          | 281.22          | 56.19       | 10762.585         | 47.76     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.68            | 0.337          | 0.48            | 0.10        | 9.688             | 0.04      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 21.65            | 0.712          | 2.59            | 0.52        | 124.936           | 0.55      | 0. |
| 7  | 24.57            | 0.867          | 214.43          | 42.84       | 11545.786         | 51.23     | 0. |
| 7  | 27.00            | 0.447          | 499.83          | 99.87       | 22504.378         | 99.86     | 0. |

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Report date: 10/1/2018 11:04:11 AM  
 Printed by: wet

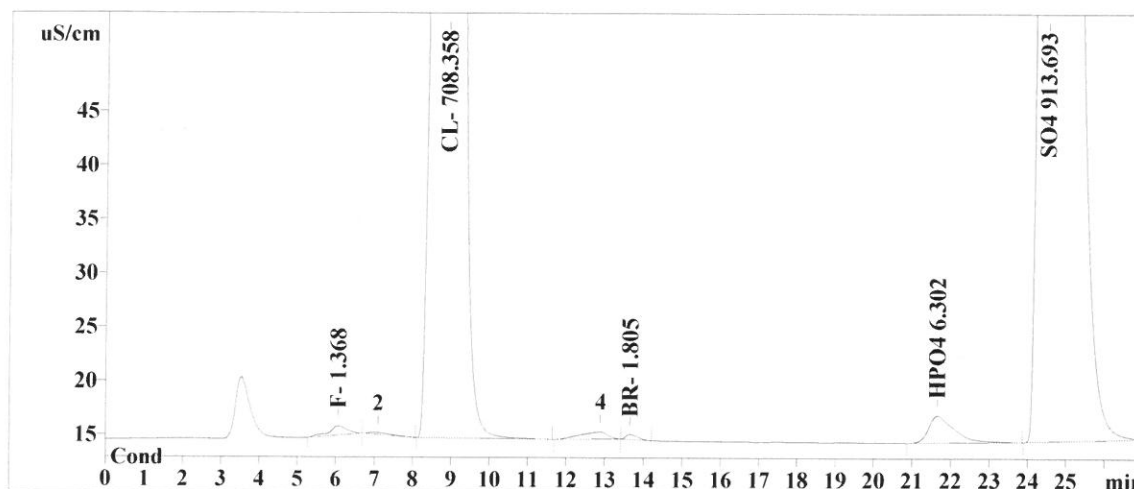
Ident: J5155-05DUP  
 Analysis from: 9/28/2018 3:44:23 PM  
 File: \_2018-09-28\_

Last save: 9/28/2018 4:11:12 PM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 64215

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
 : AK/AP  
 Vial number: 24  
 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  | 6.06             | 0.425          | 0.85            | 0.17        | 27.386            | 0.12      | 0. |
| 2  | 8.89             | 0.632          | 280.13          | 56.63       | 10965.268         | 48.88     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.66            | 0.353          | 0.47            | 0.09        | 9.899             | 0.04      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 21.65            | 0.689          | 2.50            | 0.51        | 116.720           | 0.52      | 0. |
| 7  | 24.49            | 0.865          | 209.86          | 42.43       | 11274.450         | 50.26     | 0. |
| 7  | 27.00            | 0.423          | 493.81          | 99.83       | 22393.724         | 99.82     | 0. |

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Report date: 10/1/2018 11:04:23 AM  
Printed by: wet

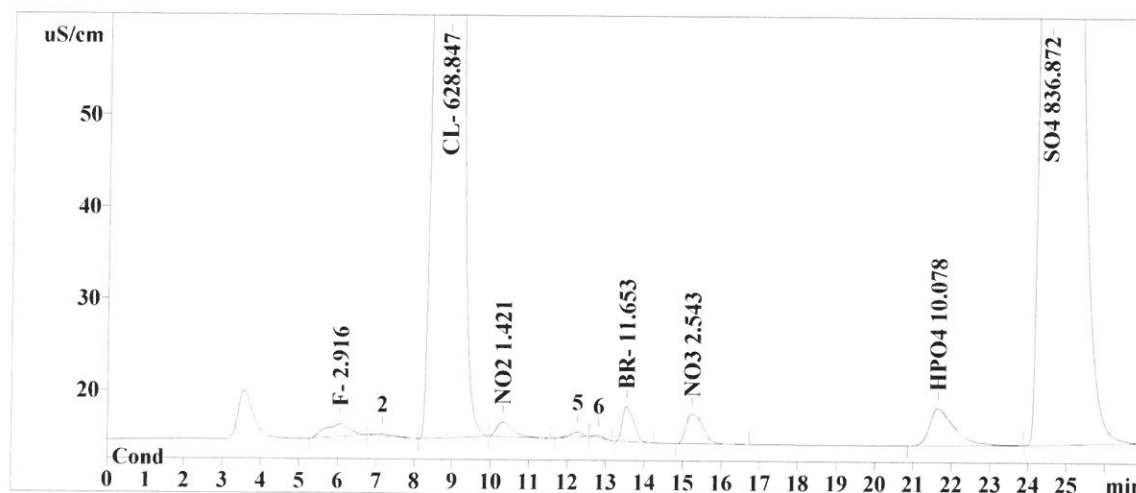
Ident: J5155-05MS  
Analysis from: 9/28/2018 4:14:18 PM  
File: \_2018-09-28\_

Last save: 9/28/2018 4:41:08 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64216

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
: AK/AP  
Vial number: 25  
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  | 6.06             | 0.799          | 1.37            | 0.28        | 61.778            | 0.30      | 0. |
| 2  | 8.86             | 0.578          | 272.96          | 56.56       | 9734.295          | 47.36     | 0. |
| 3  | 10.32            | 0.431          | 1.62            | 0.34        | 47.332            | 0.23      | 0. |
| 4  | 13.53            | 0.337          | 3.81            | 0.79        | 78.212            | 0.38      | 0. |
| 5  | 15.24            | 0.486          | 3.20            | 0.66        | 96.343            | 0.47      | 0. |
| 6  | 21.63            | 0.670          | 4.08            | 0.85        | 186.031           | 0.91      | 0. |
| 7  | 24.52            | 0.854          | 194.57          | 40.32       | 10325.875         | 50.24     | 0. |
| 7  | 27.00            | 0.594          | 481.61          | 99.80       | 20529.866         | 99.89     | 0. |

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Report date: 10/1/2018 11:04:37 AM  
Printed by: wet

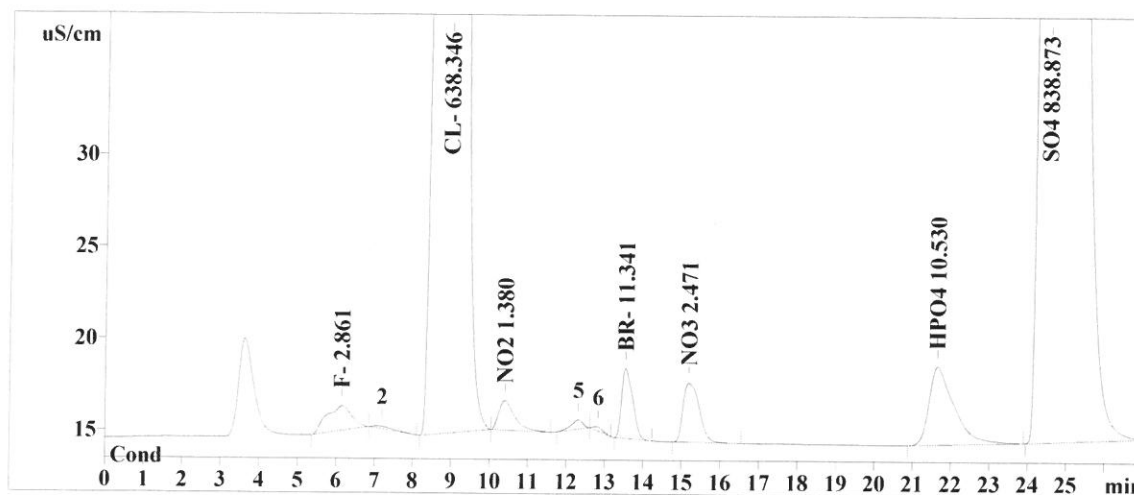
Ident: J5155-05MSD  
Analysis from: 9/28/2018 4:44:13 PM  
File: \_2018-09-28\_

Last save: 9/28/2018 5:11:02 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64217

Last save: 9/19/2018 5:20:14 PM

SAMPLE:  
: AK/AP  
Vial number: 26  
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  | 6.14             | 0.802          | 1.34            | 0.28        | 60.575            | 0.29      | 0. |
| 2  | 8.95             | 0.587          | 272.90          | 56.45       | 9881.350          | 47.69     | 0. |
| 3  | 10.40            | 0.418          | 1.61            | 0.33        | 45.843            | 0.22      | 0. |
| 4  | 13.54            | 0.329          | 3.81            | 0.79        | 76.045            | 0.37      | 0. |
| 5  | 15.19            | 0.470          | 3.21            | 0.66        | 93.479            | 0.45      | 0. |
| 6  | 21.65            | 0.669          | 4.26            | 0.88        | 194.328           | 0.94      | 0. |
| 7  | 24.53            | 0.853          | 195.48          | 40.43       | 10350.587         | 49.95     | 0. |
| 7  | 27.00            | 0.590          | 482.60          | 99.82       | 20702.206         | 99.91     | 0. |

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Report date: 10/1/2018 11:04:45 AM  
Printed by: wet

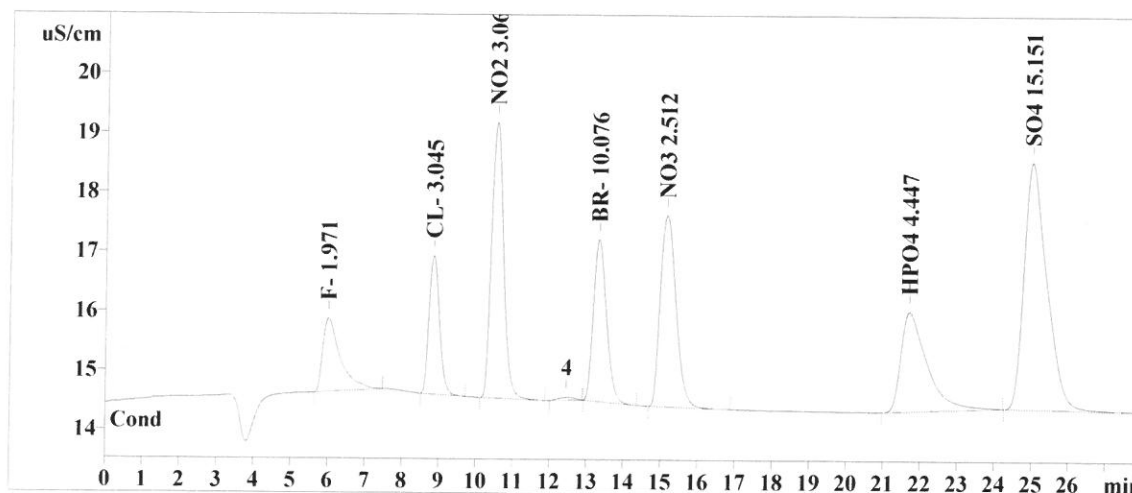
Ident: CCV  
Analysis from: 9/28/2018 9:13:33 PM  
File: \_2018-09-28\_

Last save: 9/28/2018 9:41:22 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64226

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 82  
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             | 0.462          | 1.24            | 6.17        | 40.779            | 6.59      | 0. |
| 2  | 8.84             | 0.308          | 2.33            | 11.62       | 45.759            | 7.39      | 0. |
| 3  | 10.53            | 0.357          | 4.64            | 23.16       | 106.355           | 17.18     | 0. |
| 4  | 13.32            | 0.385          | 2.72            | 13.59       | 67.270            | 10.87     | 0. |
| 5  | 15.14            | 0.463          | 3.22            | 16.07       | 95.119            | 15.37     | 0. |
| 6  | 21.69            | 0.713          | 1.68            | 8.38        | 82.676            | 13.36     | 0. |
| 7  | 24.99            | 0.662          | 4.16            | 20.75       | 179.392           | 28.98     | 0. |
| 7  | 28.00            | 0.479          | 19.98           | 99.73       | 617.350           | 99.75     | 0. |

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Report date: 10/1/2018 11:05:03 AM  
Printed by: wet

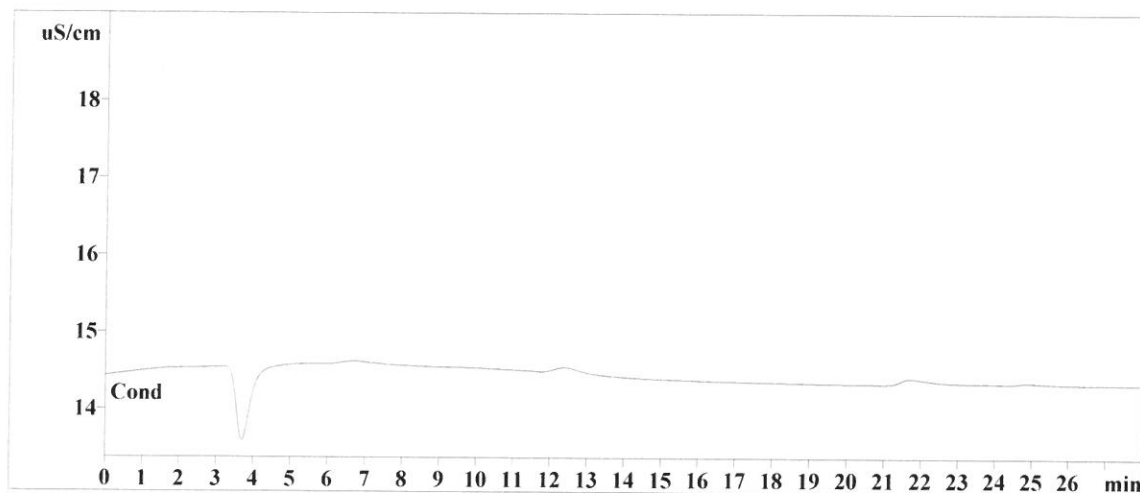
Ident: CCB  
Analysis from: 9/28/2018 9:44:27 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 11:05:04 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64227

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 83  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 10/1/2018 11:05:19 AM  
Printed by: wet

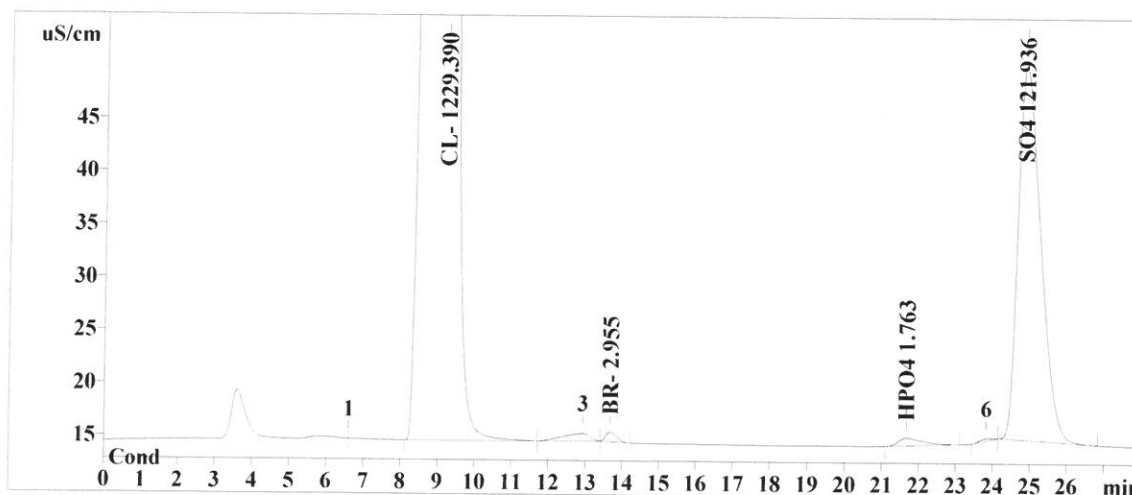
Ident: J5168-01  
Analysis from: 9/28/2018 10:15:22 PM  
File: \_2018-09-28\_

Last save: 9/28/2018 10:43:10 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64228

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 45  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 9.22             | 0.681          | 466.74          | 92.49       | 19031.778         | 92.29     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.68            | 0.335          | 0.88            | 0.17        | 17.872            | 0.09      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 21.66            | 0.707          | 0.74            | 0.15        | 33.396            | 0.16      | 0. |
| 7  | 24.83            | 0.668          | 35.37           | 7.01        | 1497.949          | 7.26      | 0. |
| 7  | 28.00            | 0.341          | 503.73          | 99.82       | 20580.995         | 99.80     | 0. |

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Report date: 10/1/2018 11:11:50 AM  
Printed by: wet

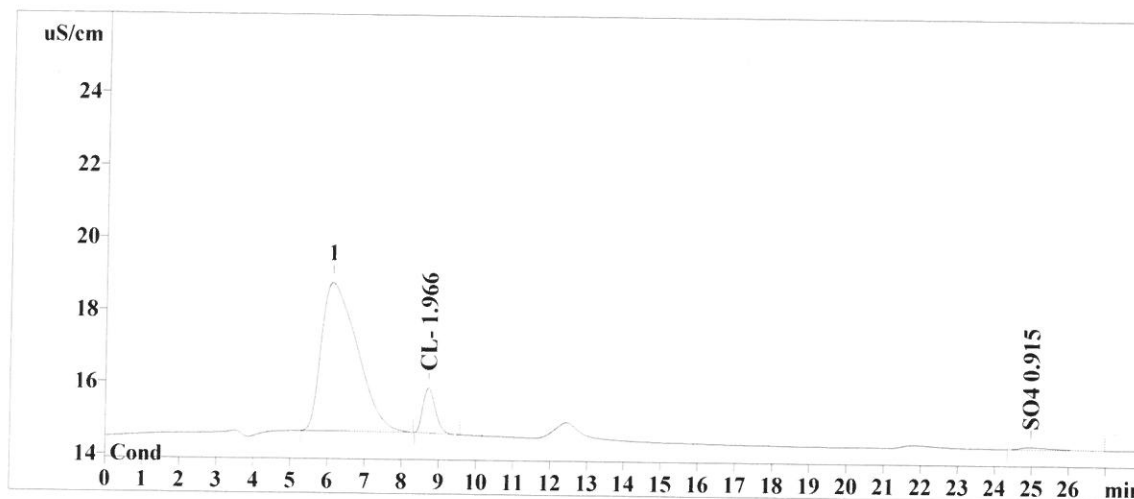
Ident: J5161-02  
Analysis from: 9/28/2018 10:46:17 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 11:11:50 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64229

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 46  
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          | 4.11            | 75.80       | 275.313           | 89.39     | 0. |
| 2  | 8.71             | 0.367          | 1.25            | 22.99       | 29.058            | 9.43      | 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  | 24.95            | 0.865          | 0.06            | 1.19        | 3.609             | 1.17      | 0. |
| 7  | 28.00            | 0.176          | 5.42            | 99.98       | 307.980           | 100.00    | 0. |

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Report date: 10/1/2018 1:48:46 PM  
Printed by: wet

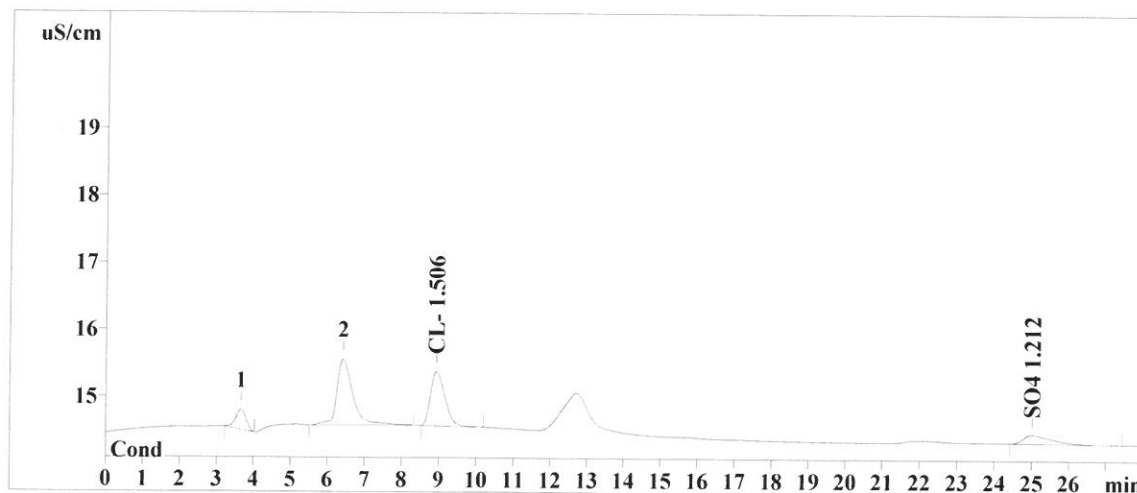
Ident: J5161-05  
Analysis from: 9/28/2018 11:17:11 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 1:48:46 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64230

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 50  
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          | 1.28            | 57.47       | 35.905            | 55.15     | 0. |
| 2  | 8.93             | 0.427          | 0.81            | 36.43       | 21.927            | 33.68     | 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  | 25.02            | 0.833          | 0.13            | 6.05        | 7.266             | 11.16     | 0. |
| 7  | 28.00            | 0.180          | 2.22            | 99.94       | 65.098            | 100.00    | 0. |

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Report date: 10/1/2018 11:08:42 AM  
Printed by: wet

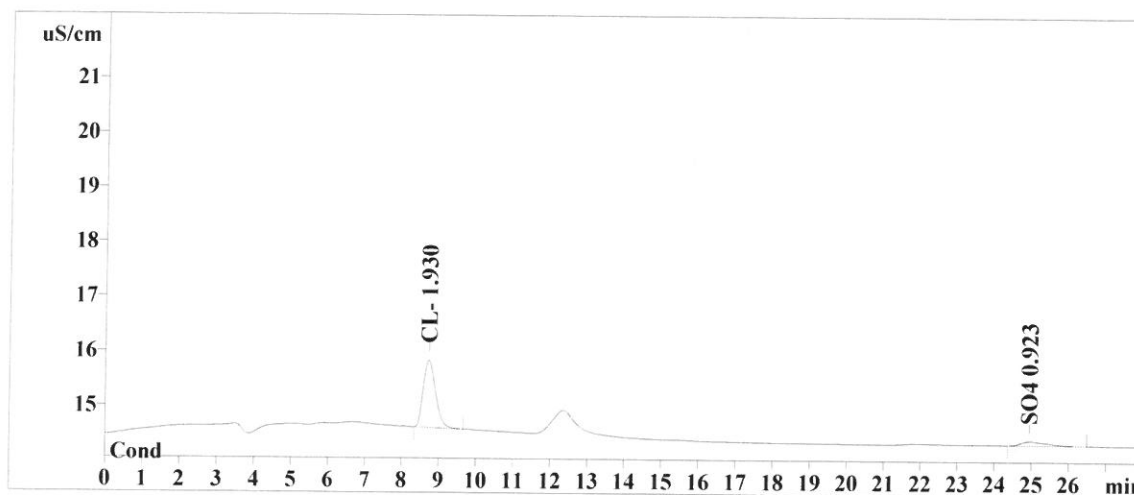
Ident: J5161-02DUP  
Analysis from: 9/28/2018 11:48:06 PM  
File: \_2018-09-28\_

Last save: 10/1/2018 11:08:42 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64231

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 47  
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  | 8.72             | 0.363          | 1.23            | 94.07       | 28.493            | 88.51     | 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  | 24.95            | 0.778          | 0.08            | 5.78        | 3.698             | 11.49     | 0. |
| 7  | 28.00            | 0.163          | 1.30            | 99.85       | 32.191            | 100.00    | 0. |

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Printed by: wet

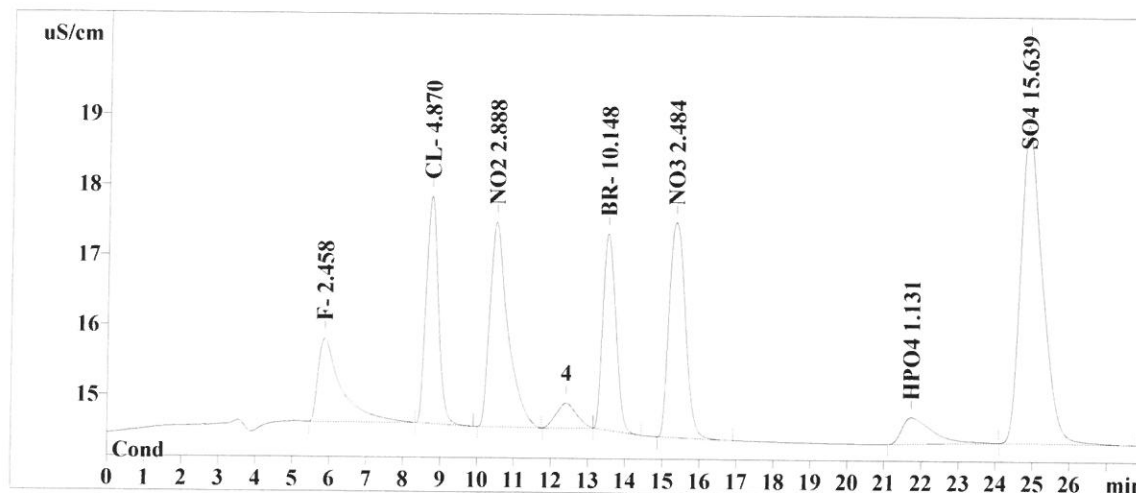
Ident: J5161-03MS  
Analysis from: 9/29/2018 12:19:00 AM  
File: \_2018-09-29\_

Last save: 9/29/2018 12:46:50 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64232

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 48  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.86             | 0.550          | 1.19            | 6.43        | 51.600            | 8.49      | 0. |
| 2  | 8.73             | 0.357          | 3.24            | 17.53       | 74.020            | 12.17     | 0. |
| 3  | 10.49            | 0.501          | 2.92            | 15.80       | 100.099           | 16.46     | 0. |
| 4  | 13.50            | 0.391          | 2.80            | 15.15       | 67.768            | 11.15     | 0. |
| 5  | 15.31            | 0.489          | 3.07            | 16.60       | 93.999            | 15.46     | 0. |
| 6  | 21.72            | 0.845          | 0.38            | 2.06        | 21.794            | 3.58      | 0. |
| 7  | 24.84            | 0.623          | 4.53            | 24.49       | 185.414           | 30.49     | 0. |
| 7  | 28.00            | 0.537          | 18.12           | 98.06       | 594.694           | 97.81     | 0. |

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Report date: 10/1/2018 11:12:06 AM  
Printed by: wet

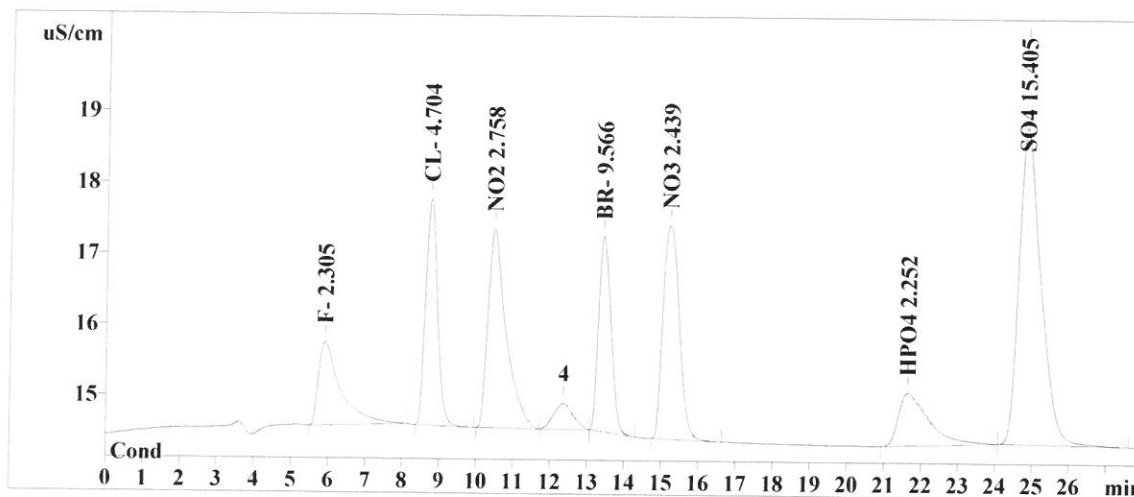
Ident: J5161-04MSD  
Analysis from: 9/29/2018 12:49:55 AM  
File: \_2018-09-29\_

Last save: 9/29/2018 1:17:44 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64233

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 49  
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          | 1.17            | 6.36        | 48.212            | 7.92      | 0. |
| 2  | 8.74             | 0.351          | 3.18            | 17.23       | 71.440            | 11.73     | 0. |
| 3  | 10.47            | 0.496          | 2.80            | 15.17       | 95.423            | 15.67     | 0. |
| 4  | 13.41            | 0.375          | 2.74            | 14.84       | 63.731            | 10.46     | 0. |
| 5  | 15.19            | 0.491          | 3.01            | 16.29       | 92.229            | 15.14     | 0. |
| 6  | 21.63            | 0.839          | 0.74            | 4.01        | 42.365            | 6.96      | 0. |
| 7  | 24.82            | 0.622          | 4.45            | 24.12       | 182.531           | 29.97     | 0. |
| 7  | 28.00            | 0.530          | 18.09           | 98.01       | 595.930           | 97.85     | 0. |

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Report date: 10/1/2018 11:13:57 AM  
Printed by: wet

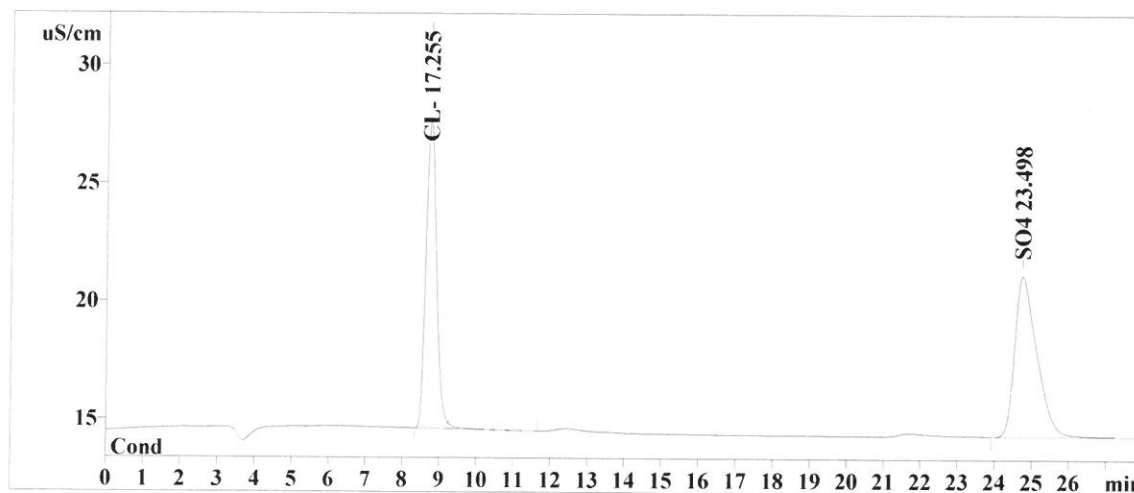
Ident: J5155-01DLX5  
Analysis from: 9/29/2018 1:20:50 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:13:58 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64234

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 27  
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             | 0.315          | 13.01           | 65.68       | 265.754           | 48.48     | 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  | 24.74            | 0.635          | 6.80            | 34.31       | 282.456           | 51.52     | 0. |
| 7  | 28.00            | 0.136          | 19.81           | 100.00      | 548.210           | 100.00    | 0. |

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Report date: 10/1/2018 11:14:08 AM  
Printed by: wet

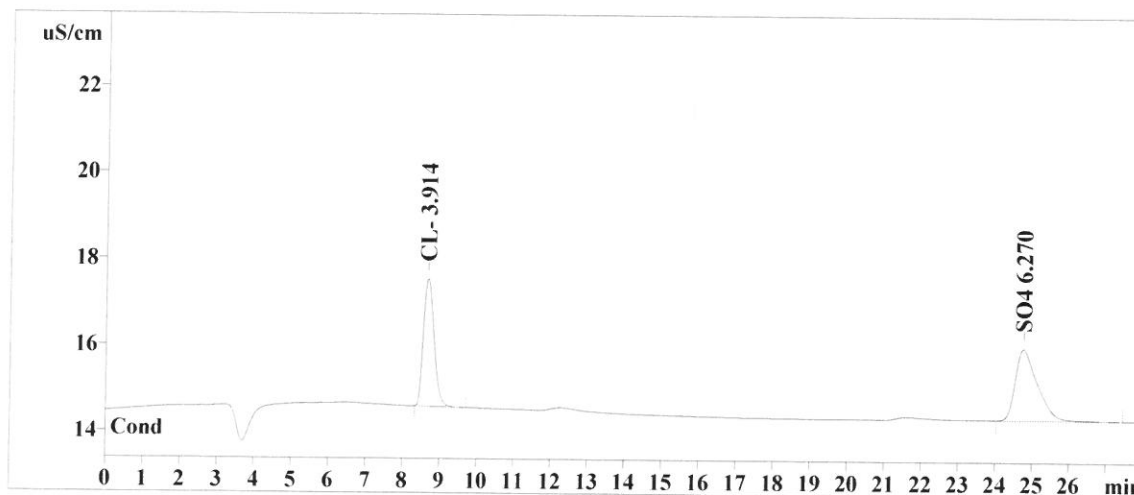
Ident: J5155-01DL2X20  
Analysis from: 9/29/2018 1:51:44 AM  
File: \_2018-09-29\_

Last save: 9/29/2018 2:19:34 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64235

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 28  
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  | 8.67             | 0.314          | 2.95            | 63.99       | 59.216            | 45.92     | 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  | 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  | 24.76            | 0.634          | 1.66            | 36.00       | 69.729            | 54.08     | 0. |
| 7  | 28.00            | 0.135          | 4.61            | 99.99       | 128.945           | 100.00    | 0. |

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Report date: 10/1/2018 11:14:44 AM  
Printed by: wet

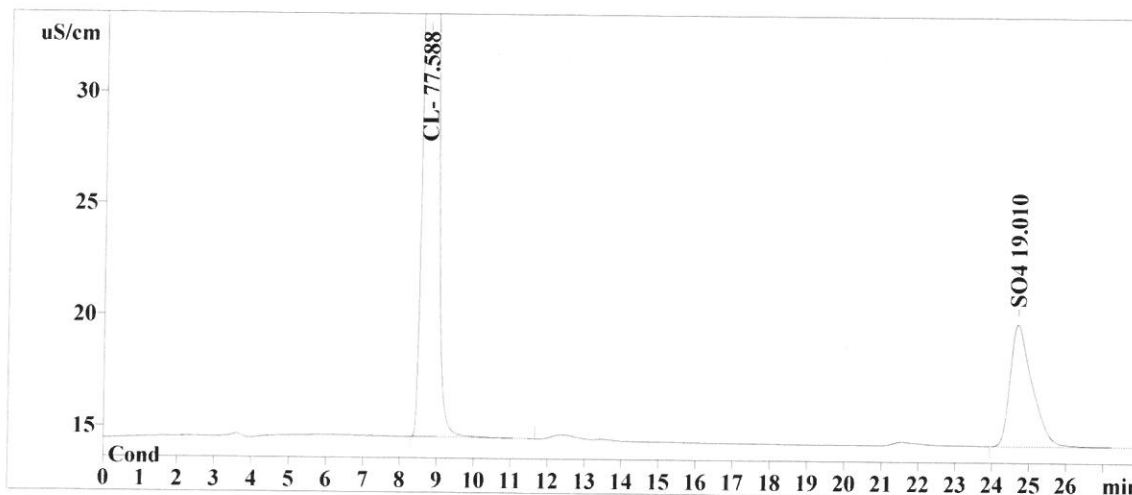
Ident: J5155-02DLX5  
Analysis from: 9/29/2018 2:22:39 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:14:42 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64236

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 29  
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             | 0.327          | 57.26           | 91.29       | 1199.823          | 84.09     | 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  | 24.69            | 0.627          | 5.47            | 8.72        | 227.044           | 15.91     | 0. |
| 7  | 28.00            | 0.136          | 62.73           | 100.00      | 1426.866          | 100.00    | 0. |

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Report date: 10/1/2018 11:15:20 AM  
Printed by: wet

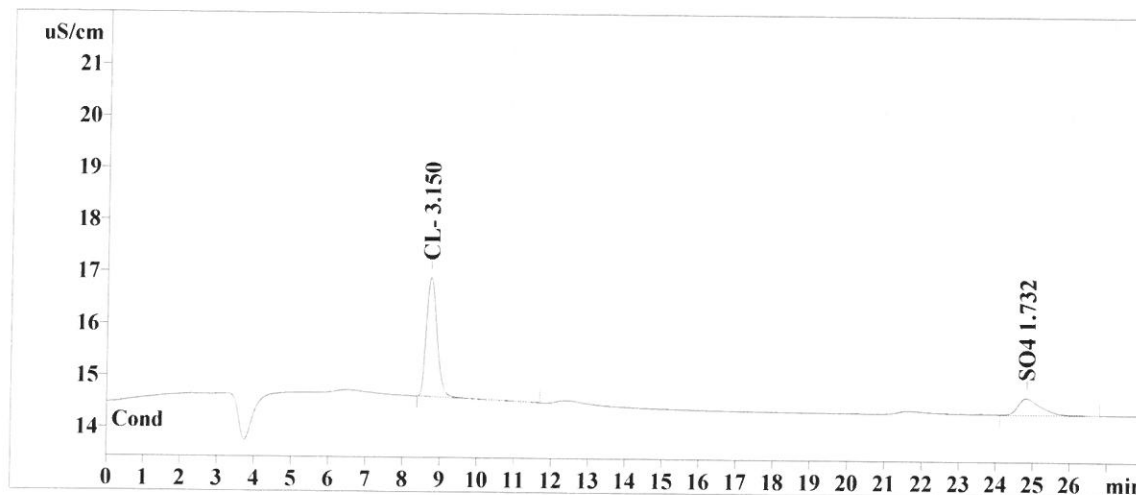
Ident: J5155-02DL2X100  
Analysis from: 9/29/2018 2:53:33 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:15:20 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64237

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 30  
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             | 0.317          | 2.29            | 87.62       | 47.383            | 77.57     | 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  | 24.82            | 0.638          | 0.32            | 12.34       | 13.698            | 22.43     | 0. |
| 7  | 28.00            | 0.136          | 2.61            | 99.96       | 61.081            | 100.00    | 0. |

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Report date: 10/1/2018 11:16:26 AM  
Printed by: wet

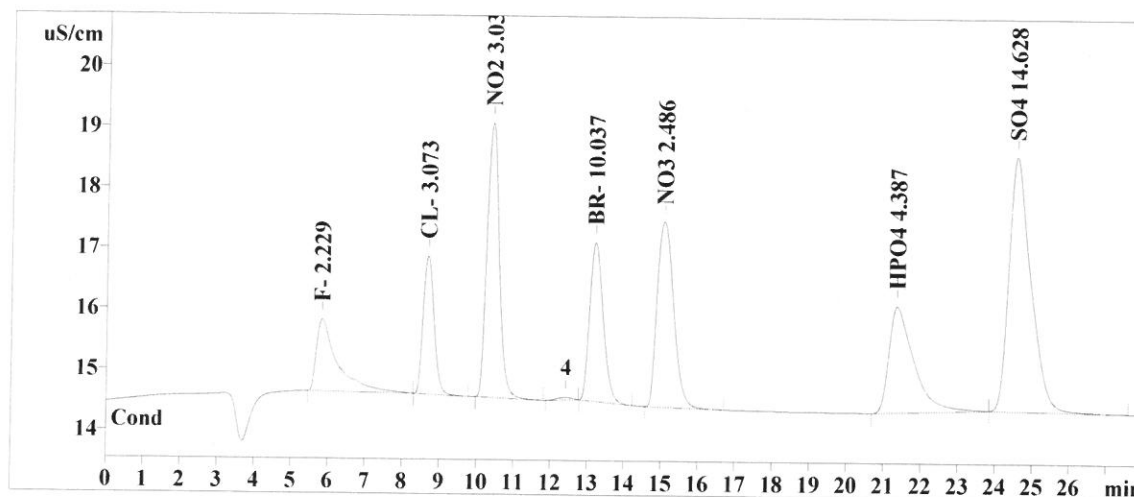
Ident: CCV  
Analysis from: 9/29/2018 3:24:28 AM  
File: \_2018-09-29\_

Last save: 9/29/2018 3:52:16 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64238

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 82  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.83             | 0.480          | 1.19            | 6.04        | 46.517            | 7.56      | 0. |
| 2  | 8.67             | 0.318          | 2.27            | 11.58       | 46.186            | 7.51      | 0. |
| 3  | 10.37            | 0.364          | 4.52            | 23.04       | 105.400           | 17.14     | 0. |
| 4  | 13.19            | 0.401          | 2.61            | 13.32       | 67.003            | 10.90     | 0. |
| 5  | 15.05            | 0.483          | 3.05            | 15.55       | 94.082            | 15.30     | 0. |
| 6  | 21.34            | 0.676          | 1.75            | 8.92        | 81.575            | 13.27     | 0. |
| 7  | 24.54            | 0.627          | 4.19            | 21.34       | 172.933           | 28.12     | 0. |
| 7  | 28.00            | 0.478          | 19.59           | 99.77       | 613.696           | 99.80     | 0. |

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Report date: 10/1/2018 11:16:43 AM  
Printed by: wet

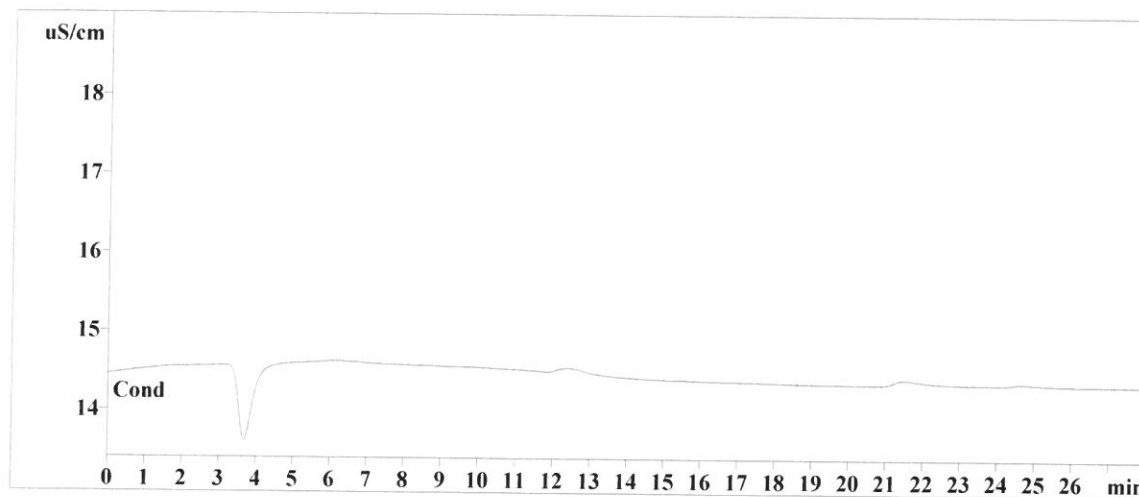
Ident: CCB  
Analysis from: 9/29/2018 3:55:23 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:16:42 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64239

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
:  
Vial number: 83  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 10/1/2018 11:44:08 AM  
Printed by: wet

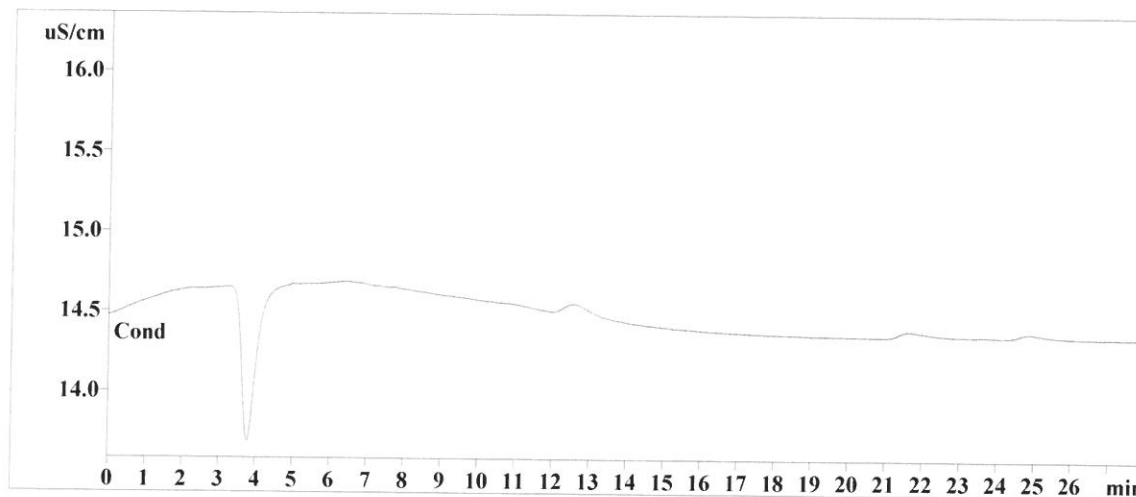
Ident: LB98251BLW2  
Analysis from: 9/29/2018 4:26:17 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:44:06 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64240

Last save: 9/28/2018 9:10:42 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 10/1/2018 11:44:49 AM  
 Printed by: wet

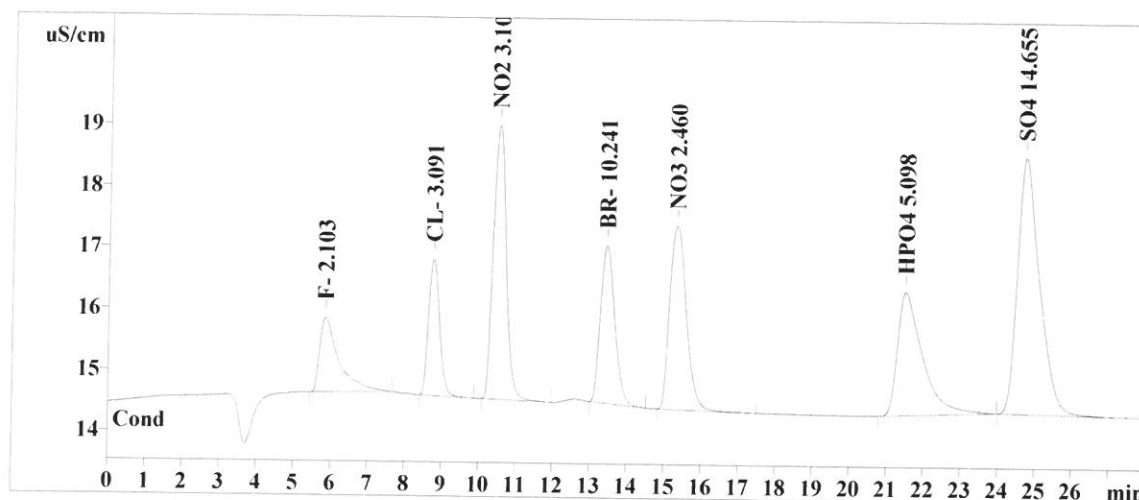
Ident: LB98251BSW2  
 Analysis from: 9/29/2018 4:57:12 AM  
 File: \_2018-09-29\_

Last save: 10/1/2018 11:43:50 AM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 64241

Last save: 9/28/2018 9:10:42 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.84             | 0.474          | 1.21            | 6.16        | 43.712            | 6.97      | 0. |
| 2  | 8.75             | 0.328          | 2.22            | 11.31       | 46.467            | 7.41      | 0. |
| 3  | 10.50            | 0.377          | 4.46            | 22.74       | 107.731           | 17.17     | 0. |
| 4  | 13.43            | 0.418          | 2.56            | 13.05       | 68.420            | 10.91     | 0. |
| 5  | 15.30            | 0.488          | 2.98            | 15.21       | 93.046            | 14.83     | 0. |
| 6  | 21.50            | 0.682          | 2.01            | 10.24       | 94.620            | 15.08     | 0. |
| 7  | 24.70            | 0.629          | 4.17            | 21.27       | 173.264           | 27.62     | 0. |
| 7  | 28.00            | 0.485          | 19.61           | 99.98       | 627.260           | 100.00    | 0. |

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Report date: 10/1/2018 11:46:22 AM  
Printed by: wet

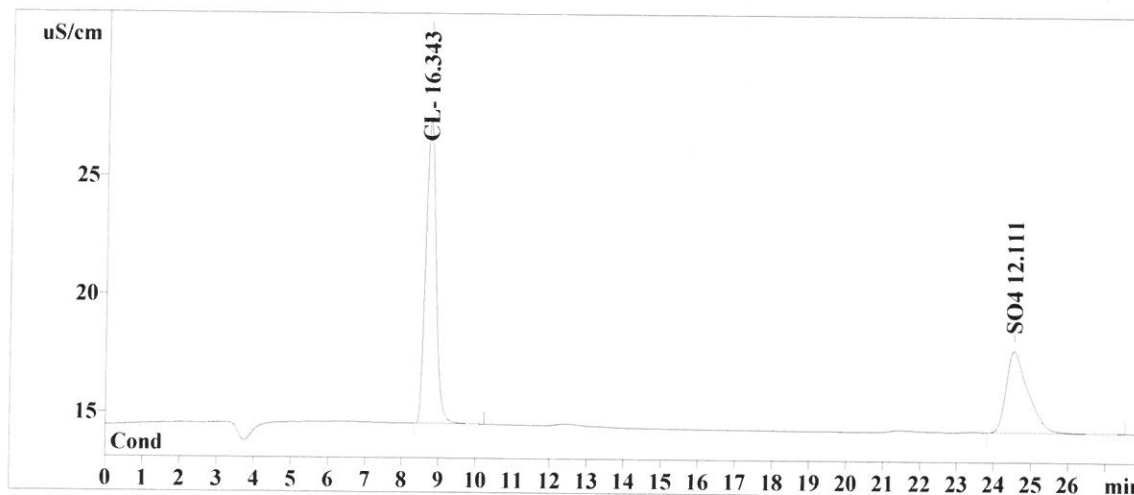
Ident: J5155-03DLX50  
Analysis from: 9/29/2018 5:28:07 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:46:22 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64242

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 31  
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             | 0.305          | 12.80           | 78.74       | 251.632           | 63.95     | 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  | 24.54            | 0.620          | 3.45            | 21.26       | 141.857           | 36.05     | 0. |
| 7  | 28.00            | 0.132          | 16.25           | 100.00      | 393.489           | 100.00    | 0. |

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Report date: 10/1/2018 11:48:05 AM  
Printed by: wet

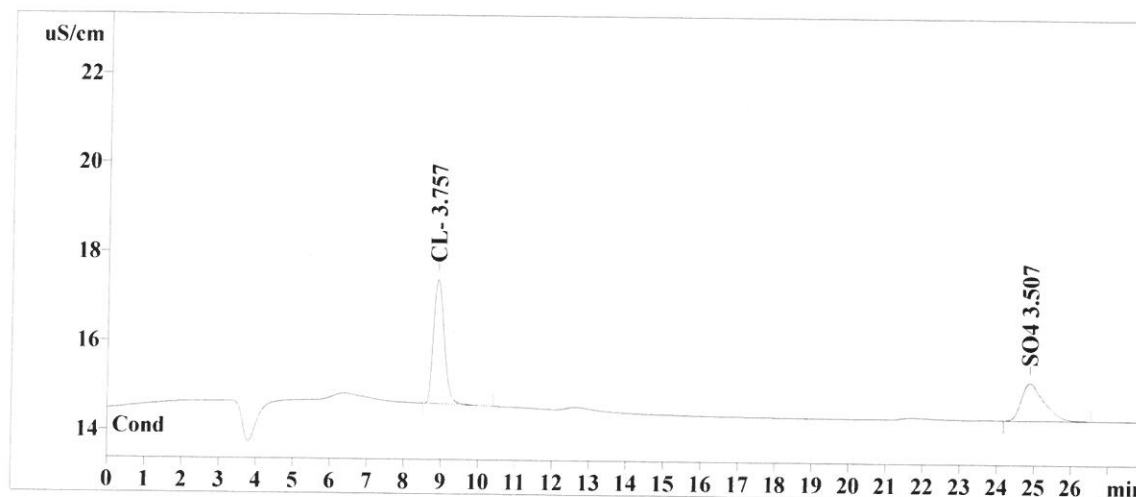
Ident: J5155-03DL2X200  
Analysis from: 9/29/2018 5:59:01 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:48:04 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64243

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 32  
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  | 8.90             | 0.317          | 2.78            | 76.74       | 56.777            | 61.45     | 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  | 24.88            | 0.644          | 0.84            | 23.25       | 35.616            | 38.55     | 0. |
| 7  | 28.00            | 0.137          | 3.62            | 99.99       | 92.393            | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 10/1/2018 11:48:47 AM  
 Printed by: wet

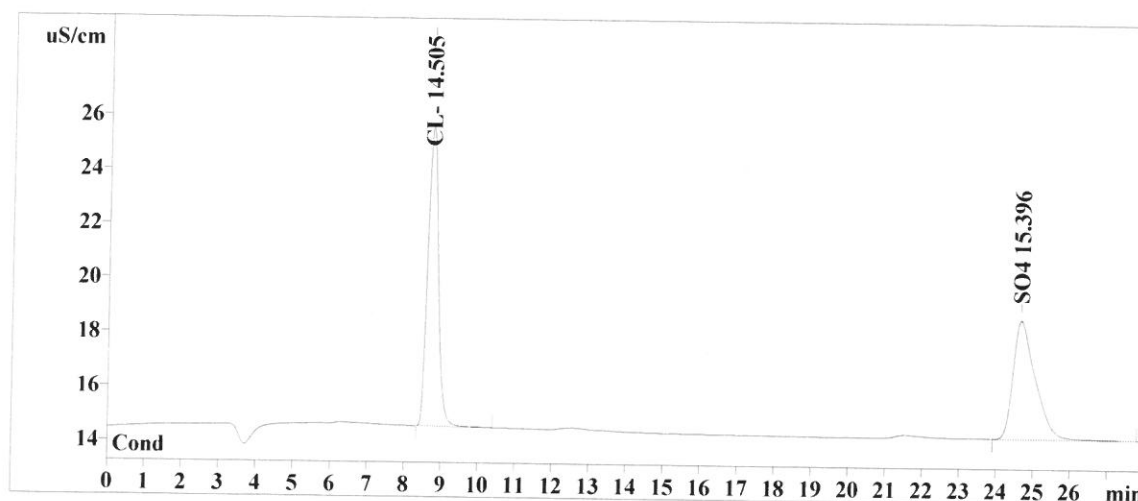
Ident: J5155-04DLX50  
 Analysis from: 9/29/2018 6:29:56 AM  
 File: \_2018-09-29\_

Last save: 10/1/2018 11:48:48 AM

Method: ANIONS 09-04-18.mtw  
 Run operator: wet  
 Analysis number: 64244

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
 : AK/AP  
 Vial number: 33  
 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  | 8.71             | 0.313          | 11.07           | 71.68       | 223.173           | 55.02     | 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  | 24.66            | 0.630          | 4.37            | 28.31       | 182.413           | 44.98     | 0. |
| 7  | 28.00            | 0.135          | 15.44           | 99.99       | 405.585           | 100.00    | 0. |

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Report date: 10/1/2018 11:49:12 AM  
Printed by: wet

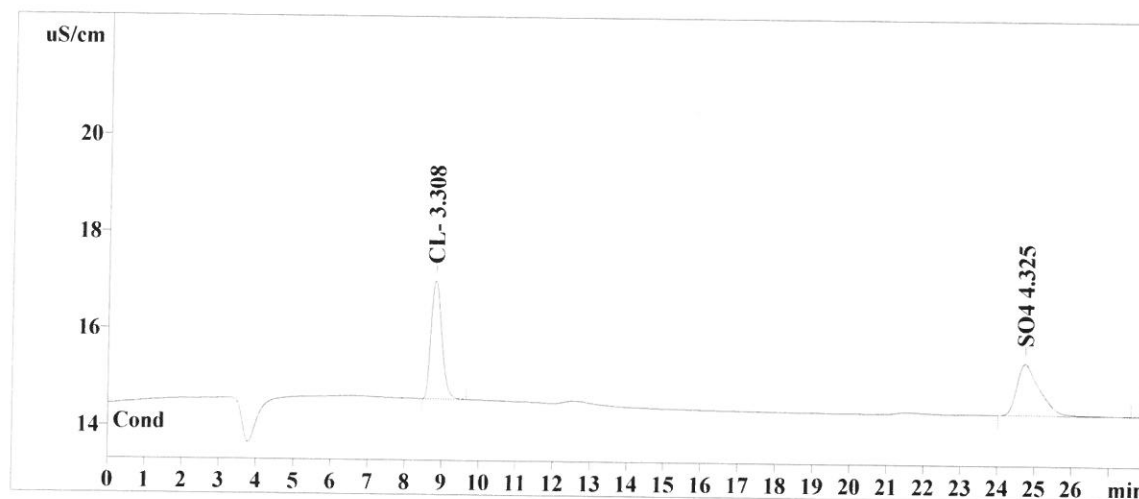
Ident: J5155-04DL2X200  
Analysis from: 9/29/2018 7:00:50 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:49:08 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64245

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 34  
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  | 8.81             | 0.321          | 2.43            | 69.59       | 49.825            | 52.15     | 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  | 24.74            | 0.644          | 1.06            | 30.38       | 45.717            | 47.85     | 0. |
| 7  | 28.00            | 0.138          | 3.49            | 99.98       | 95.542            | 100.00    | 0. |

This report has been created by IC Net  
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Report date: 10/1/2018 11:49:41 AM  
Printed by: wet

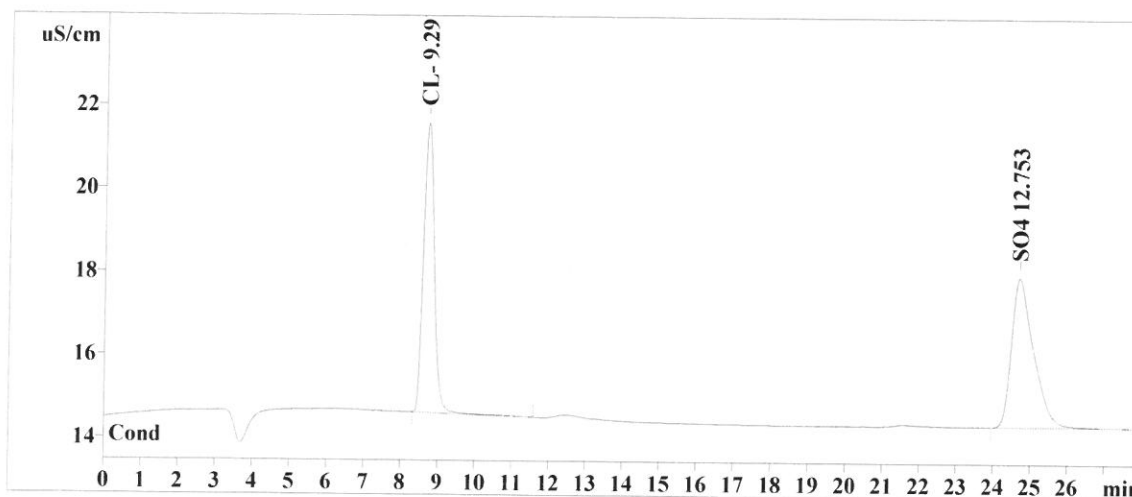
Ident: J5155-05DLX50  
Analysis from: 9/29/2018 7:31:45 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:49:30 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64246

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 37  
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  | 8.70             | 0.315          | 6.96            | 65.98       | 142.461           | 48.75     | 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  | 24.70            | 0.627          | 3.59            | 34.02       | 149.782           | 51.25     | 0. |
| 7  | 28.00            | 0.135          | 10.55           | 100.00      | 292.243           | 100.00    | 0. |

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Report date: 10/1/2018 11:50:04 AM  
Printed by: wet

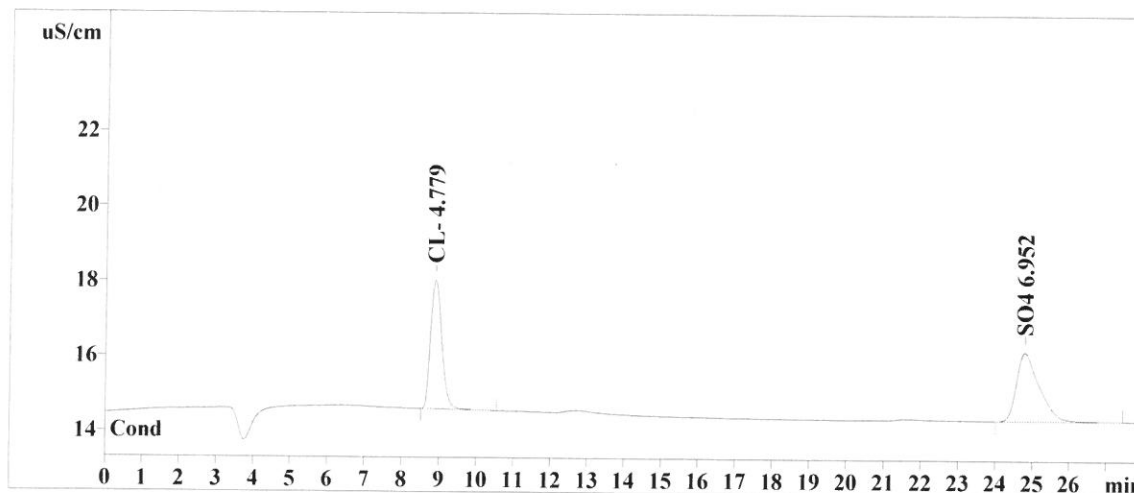
Ident: J5155-05DL2X100  
Analysis from: 9/29/2018 8:02:40 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:50:00 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64247

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 38  
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  | 8.88             | 0.330          | 3.43            | 65.19       | 72.605            | 48.16     | 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  | 24.79            | 0.642          | 1.83            | 34.79       | 78.153            | 51.84     | 0. |
| 7  | 28.00            | 0.139          | 5.25            | 99.98       | 150.758           | 100.00    | 0. |

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Report date: 10/1/2018 11:50:52 AM  
Printed by: wet

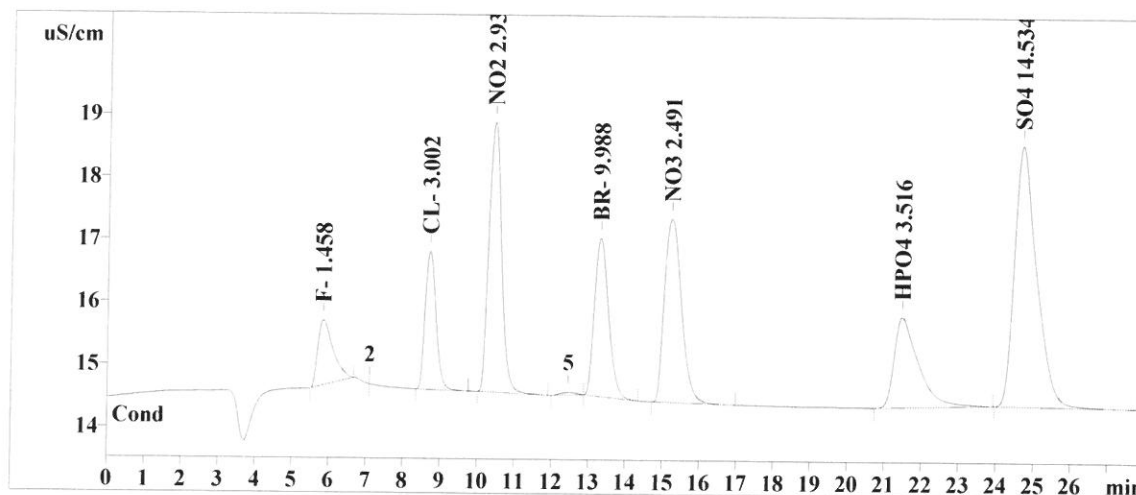
Ident: CCV  
Analysis from: 9/29/2018 8:33:34 AM  
File: \_2018-09-29\_

Last save: 9/29/2018 9:01:24 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64248

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 82  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.84             | 0.430          | 1.04            | 5.55        | 29.372            | 5.10      | 0. |
| 2  | 8.70             | 0.320          | 2.20            | 11.81       | 45.098            | 7.83      | 0. |
| 3  | 10.42            | 0.368          | 4.31            | 23.11       | 101.622           | 17.65     | 0. |
| 4  | 13.29            | 0.412          | 2.53            | 13.54       | 66.659            | 11.58     | 0. |
| 5  | 15.21            | 0.504          | 2.93            | 15.71       | 94.269            | 16.38     | 0. |
| 6  | 21.47            | 0.661          | 1.44            | 7.73        | 65.572            | 11.39     | 0. |
| 7  | 24.66            | 0.623          | 4.16            | 22.32       | 171.767           | 29.84     | 0. |
| 7  | 28.00            | 0.474          | 18.61           | 99.76       | 574.360           | 99.78     | 0. |

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Report date: 10/1/2018 11:51:12 AM  
Printed by: wet

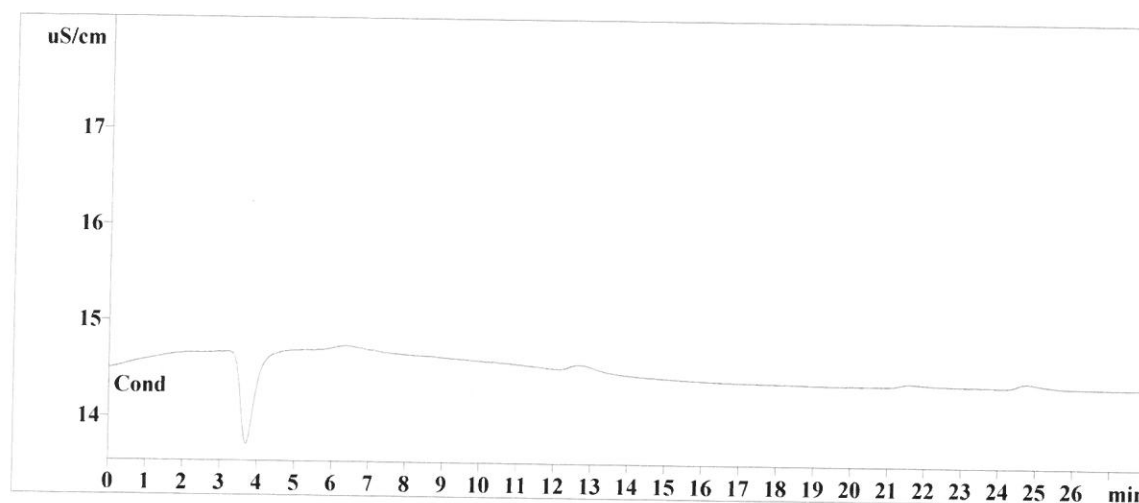
Ident: CCB  
Analysis from: 9/29/2018 9:04:29 AM  
File: \_2018-09-29\_

Last save: 10/1/2018 11:51:10 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64249

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
:  
Vial number: 83  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 10/1/2018 11:54:11 AM  
Printed by: wet

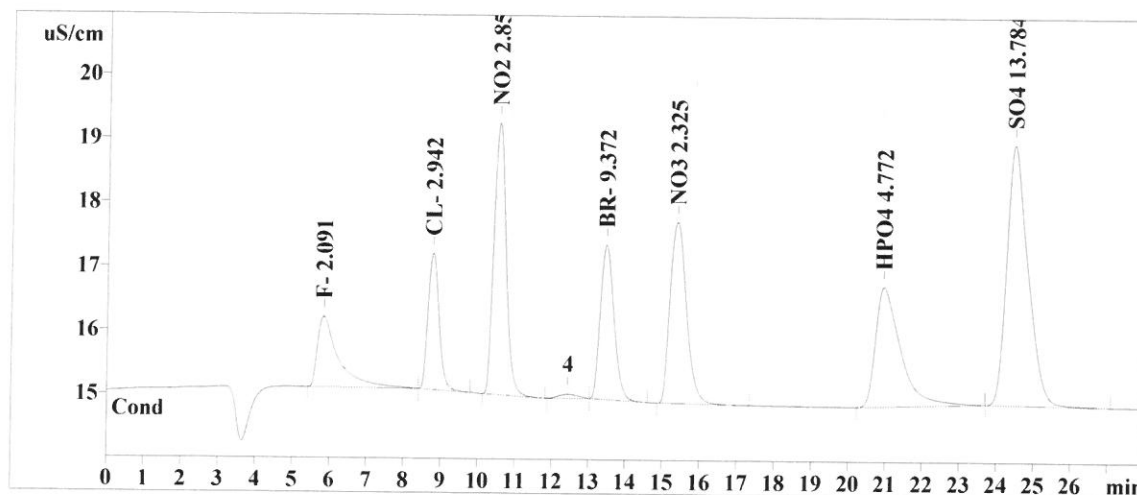
Ident: CCV  
Analysis from: 10/1/2018 8:28:54 AM  
File: \_2018-10-01\_

Last save: 10/1/2018 8:56:42 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64255

Last save: 9/28/2018 9:10:42 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.82             | 0.504          | 1.10            | 5.89        | 43.459            | 7.37      | 0. |
| 2  | 8.76             | 0.322          | 2.13            | 11.38       | 44.156            | 7.49      | 0. |
| 3  | 10.54            | 0.363          | 4.25            | 22.68       | 98.730            | 16.74     | 0. |
| 4  | 13.45            | 0.404          | 2.41            | 12.88       | 62.387            | 10.58     | 0. |
| 5  | 15.36            | 0.485          | 2.83            | 15.11       | 87.747            | 14.88     | 0. |
| 6  | 20.93            | 0.684          | 1.87            | 10.00       | 88.628            | 15.02     | 0. |
| 7  | 24.44            | 0.615          | 4.07            | 21.71       | 162.512           | 27.55     | 0. |
| 7  | 28.00            | 0.482          | 18.68           | 99.65       | 587.619           | 99.61     | 0. |

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Report date: 10/1/2018 11:54:27 AM  
Printed by: wet

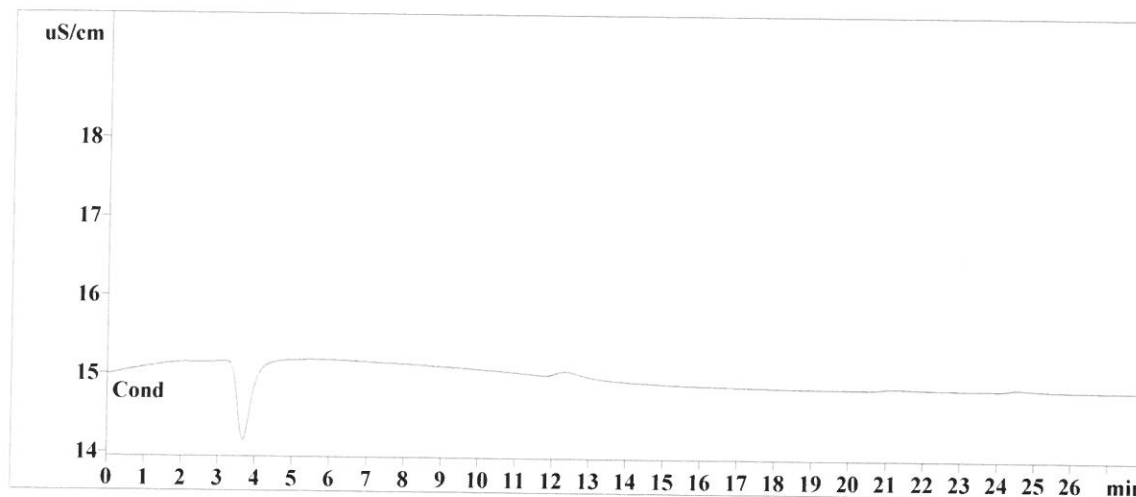
Ident: CCB  
Analysis from: 10/1/2018 8:59:48 AM  
File: \_2018-10-01\_

Last save: 10/1/2018 11:54:26 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64256

Last save: 9/28/2018 9:10:42 PM

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: 10/1/2018 11:54:34 AM  
Printed by: wet

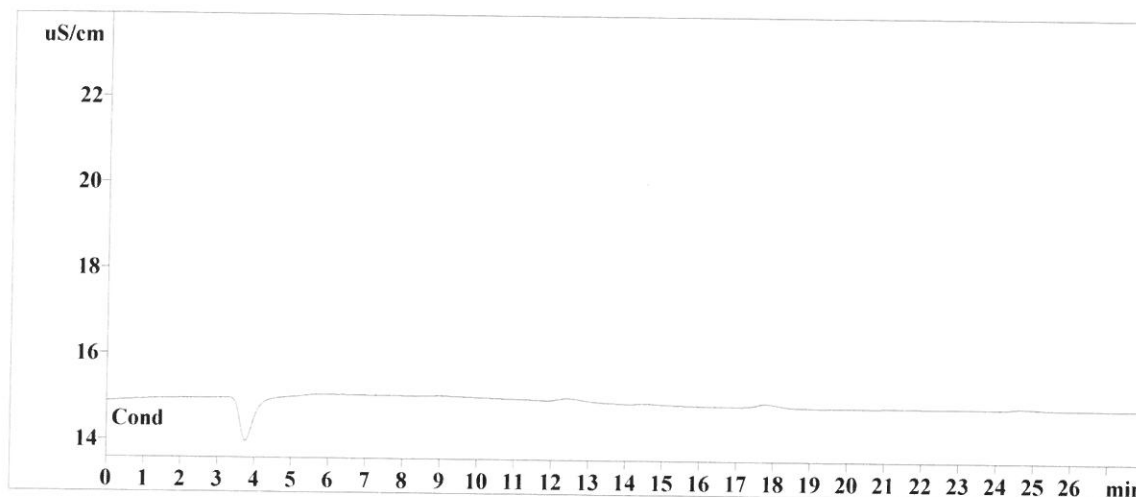
Ident: LB98251BLW3  
Analysis from: 10/1/2018 10:13:44 AM  
File: \_2018-10-01\_

Last save: 10/1/2018 11:53:48 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64259

Last save: 9/28/2018 9:10:42 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 10/1/2018 11:55:00 AM  
Printed by: wet

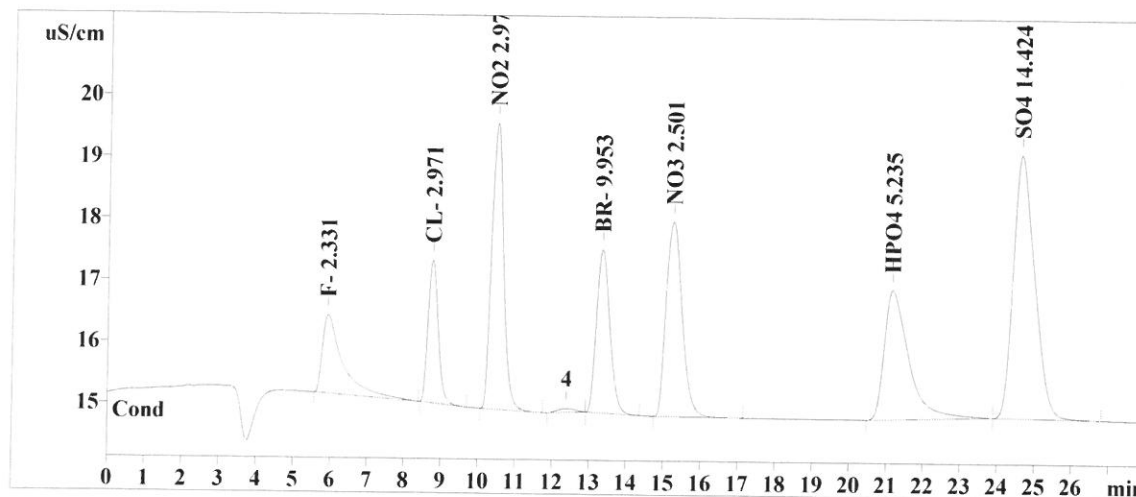
Ident: LB98251BSW3  
Analysis from: 10/1/2018 10:44:40 AM  
File: \_2018-10-01\_

Last save: 10/1/2018 11:43:52 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64260

Last save: 9/28/2018 9:10:42 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.92             | 0.489          | 1.27            | 6.23        | 48.780            | 7.78      | 0. |
| 2  | 8.75             | 0.301          | 2.31            | 11.29       | 44.614            | 7.11      | 0. |
| 3  | 10.47            | 0.346          | 4.64            | 22.68       | 103.240           | 16.46     | 0. |
| 4  | 13.32            | 0.393          | 2.64            | 12.93       | 66.416            | 10.59     | 0. |
| 5  | 15.23            | 0.469          | 3.15            | 15.43       | 94.683            | 15.09     | 0. |
| 6  | 21.14            | 0.670          | 2.10            | 10.25       | 97.132            | 15.48     | 0. |
| 7  | 24.60            | 0.627          | 4.27            | 20.87       | 170.410           | 27.17     | 0. |
| 7  | 28.00            | 0.471          | 20.38           | 99.69       | 625.274           | 99.68     | 0. |

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Report date: 10/1/2018 11:56:06 AM  
Printed by: wet

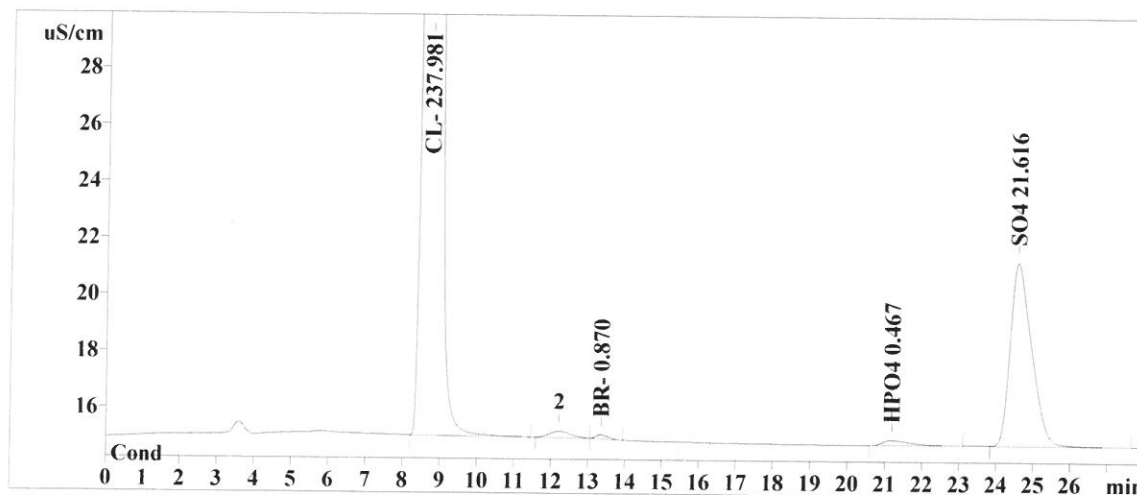
Ident: J5168-01DLX5  
Analysis from: 10/1/2018 11:16:27 AM  
File: \_2018-10-01\_

Last save: 10/1/2018 11:44:16 AM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64261

Last save: 9/28/2018 9:10:42 PM

SAMPLE:  
: AK/AP  
Vial number: 51  
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             | 0.329          | 177.37          | 96.18       | 3682.983          | 92.91     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.36            | 0.386          | 0.14            | 0.08        | 3.413             | 0.09      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 21.18            | 0.769          | 0.19            | 0.10        | 9.612             | 0.24      | 0. |
| 7  | 24.57            | 0.625          | 6.48            | 3.52        | 259.212           | 6.54      | 0. |
| 7  | 28.00            | 0.301          | 184.18          | 99.88       | 3955.219          | 99.78     | 0. |

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Report date: 10/1/2018 1:19:10 PM  
Printed by: wet

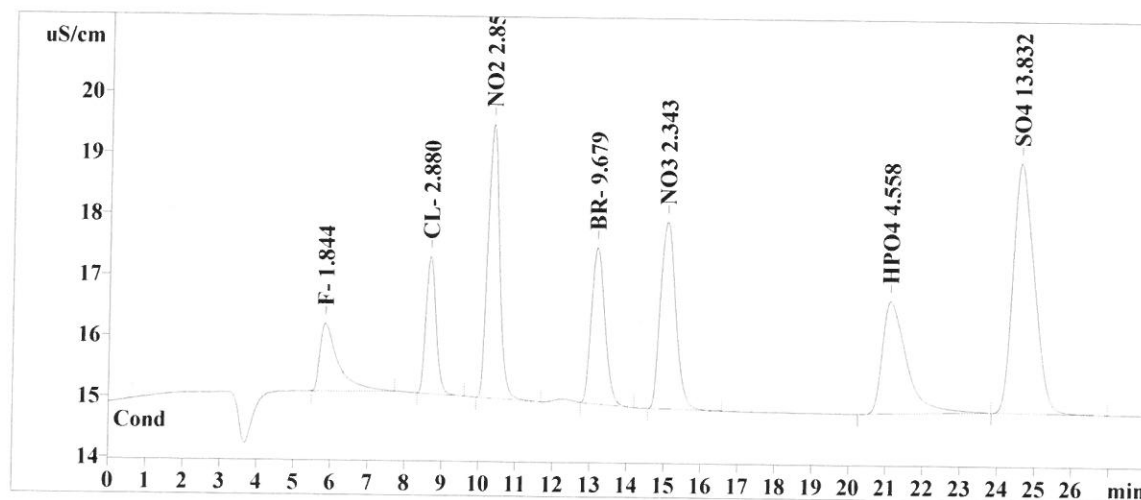
Ident: CCV  
Analysis from: 10/1/2018 12:37:20 PM  
File: \_2018-10-01\_

Last save: 10/1/2018 1:05:10 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64263

Last save: 9/28/2018 9:10:42 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.84             | 0.457          | 1.11            | 5.71        | 37.959            | 6.54      | 0. |
| 2  | 8.66             | 0.299          | 2.25            | 11.59       | 43.203            | 7.44      | 0. |
| 3  | 10.33            | 0.342          | 4.49            | 23.10       | 98.896            | 17.03     | 0. |
| 4  | 13.16            | 0.395          | 2.56            | 13.18       | 64.516            | 11.11     | 0. |
| 5  | 15.05            | 0.452          | 3.07            | 15.79       | 88.450            | 15.23     | 0. |
| 6  | 21.10            | 0.663          | 1.84            | 9.49        | 84.708            | 14.58     | 0. |
| 7  | 24.58            | 0.625          | 4.10            | 21.12       | 163.107           | 28.08     | 0. |
| 7  | 28.00            | 0.462          | 19.41           | 99.98       | 580.839           | 100.00    | 0. |

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Report date: 10/1/2018 1:42:40 PM  
Printed by: wet

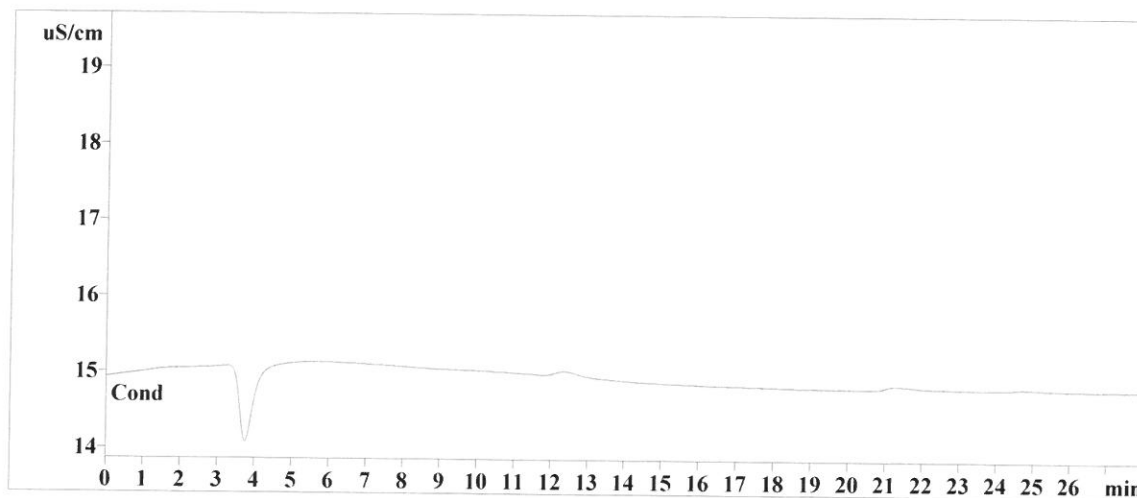
Ident: CCB  
Analysis from: 10/1/2018 1:08:15 PM  
File: \_2018-10-01\_

Last save: 10/1/2018 1:42:40 PM

Method: ANIONS 09-04-18.mtw  
Run operator: wet  
Analysis number: 64264

Last save: 9/28/2018 9:10:42 PM

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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