

JCA 300.0

5-31-18 AK

Clear table

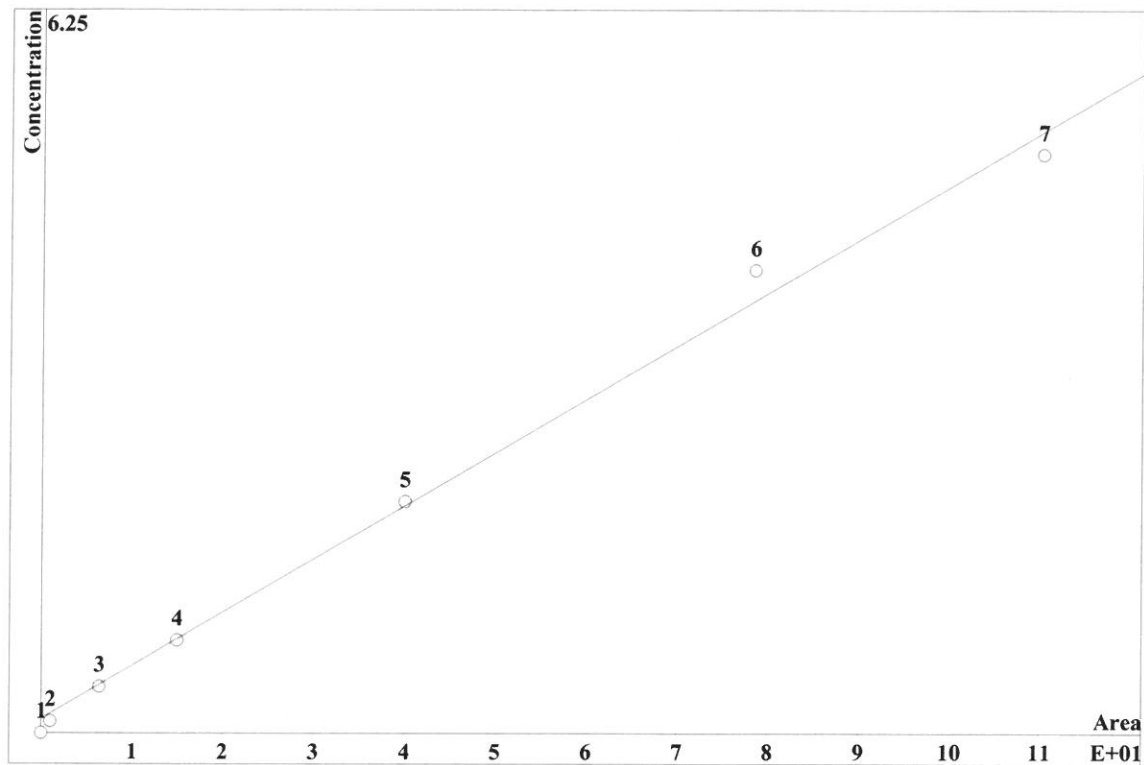
| ident        | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name  | date time     |
|--------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|------------|---------------|
| STD1         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-05-14 | 5/14/18 16:03 |
| STD2         | 0.1020               | 0.2130                | 0.2250                | 0.7310                | 0.1770                | 0.1340                 | 1.1920                | 2018-05-14 | 5/14/18 16:35 |
| STD3         | 0.3710               | 0.6280                | 0.6180                | 2.0600                | 0.5020                | 1.0010                 | 3.1340                | 2018-05-14 | 5/14/18 17:07 |
| STD4         | 0.8000               | 1.1690                | 1.1380                | 3.8590                | 0.9850                | 2.1080                 | 5.7640                | 2018-05-14 | 5/14/18 17:39 |
| STD5         | 2.0500               | 2.8850                | 2.9260                | 9.6880                | 2.4230                | 5.0580                 | 14.3300               | 2018-05-14 | 5/14/18 18:11 |
| STD6         | 3.9770               | 6.0560                | 6.0430                | 20.1620               | 5.0380                | 9.9490                 | 30.3300               | 2018-05-14 | 5/14/18 18:43 |
| STD7         | 5.1960               | 7.6320                | 7.5770                | 25.1230               | 6.3830                | 12.6990                | 38.3540               | 2018-05-14 | 5/14/18 19:15 |
| ICV          | 1.9510               | 2.8530                | 2.9390                | 9.4440                | 2.4020                | 4.7330                 | 15.5060               | 2018-05-15 | 5/15/18 9:48  |
| ICB          | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-05-15 | 5/15/18 10:20 |
| CCV          | 1.9290               | 2.8770                | 2.9230                | 9.6690                | 2.4380                | 5.0380                 | 15.1220               | 2018-05-30 | 5/30/18 10:27 |
| CCB          | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-05-30 | 5/30/18 11:00 |
| LB95724BLW   | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-05-30 | 5/30/18 11:32 |
| LB95724BSW   | 2.0210               | 2.7850                | 2.8410                | 9.4060                | 2.3700                | 5.0960                 | 15.0210               | 2018-05-30 | 5/30/18 12:04 |
| J3201-08     | 0.0000               | 490.2970              | 0.0000                | 0.0000                | 0.2040                | 0.0000                 | 86.0660               | 2018-05-30 | 5/30/18 12:36 |
| J3201-01     | 0.0000               | 12.5100               | 0.1910                | 0.0000                | 2.4470                | 0.0000                 | 36.4760               | 2018-05-30 | 5/30/18 13:08 |
| J3201-07     | 0.0000               | 2297.6090             | 0.0000                | 0.9600                | 0.0000                | 0.0000                 | 3.1770                | 2018-05-30 | 5/30/18 13:40 |
| J3201-02     | 0.0000               | 490.1720              | 0.0000                | 0.0000                | 0.2200                | 0.0000                 | 84.7660               | 2018-05-30 | 5/30/18 14:12 |
| J3201-03     | 0.0000               | 59.8530               | 0.0000                | 0.0000                | 6.0380                | 0.0000                 | 13.1270               | 2018-05-30 | 5/30/18 14:44 |
| J3201-05     | 0.0000               | 811.8840              | 0.0000                | 1.6600                | 0.6210                | 0.0000                 | 248.0000              | 2018-05-30 | 5/30/18 15:16 |
| J3201-04     | 0.0000               | 425.2330              | 0.0000                | 0.0000                | 2.8660                | 0.1390                 | 24.3680               | 2018-05-30 | 5/30/18 15:48 |
| J3201-06     | 0.0000               | 1695.9370             | 0.0000                | 0.9410                | 0.0000                | 0.0000                 | 1.4640                | 2018-05-30 | 5/30/18 16:20 |
| CCV          | 1.9700               | 2.9530                | 2.8810                | 9.5500                | 2.4380                | 5.5020                 | 15.0500               | 2018-05-30 | 5/30/18 17:24 |
| CCB          | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-05-30 | 5/30/18 17:55 |
| J3204-01     | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2018-05-30 | 5/30/18 18:26 |
| J3201-04DUP  | 0.0000               | 429.1870              | 0.0000                | 0.0000                | 2.9080                | 0.1980                 | 24.2090               | 2018-05-30 | 5/30/18 18:57 |
| J3201-04MS   | 2.3370               | 388.3920              | 2.8440                | 10.2580               | 5.3050                | 7.5040                 | 38.7340               | 2018-05-30 | 5/30/18 19:28 |
| J3201-04MSD  | 1.9510               | 399.4410              | 2.8240                | 9.8700                | 5.2070                | 7.5080                 | 38.1960               | 2018-05-30 | 5/30/18 19:59 |
| J3201-08DLX5 | 0.0000               | 89.2600               | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 14.8610               | 2018-05-30 | 5/30/18 20:29 |
| J3201-02DLX5 | 0.0000               | 88.0850               | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 14.8980               | 2018-05-30 | 5/30/18 21:00 |

1/1

LC-1 Cal  
5-14-18 AA

# CALIBRATION OF COMPONENT F-

Method: ANIONS 05-14-18.mtw  
Equation:  $Q = 0.920109 \cdot A + 2.48297$   
RSD: 8.236 %  
Correlation coefficient: 0.997228

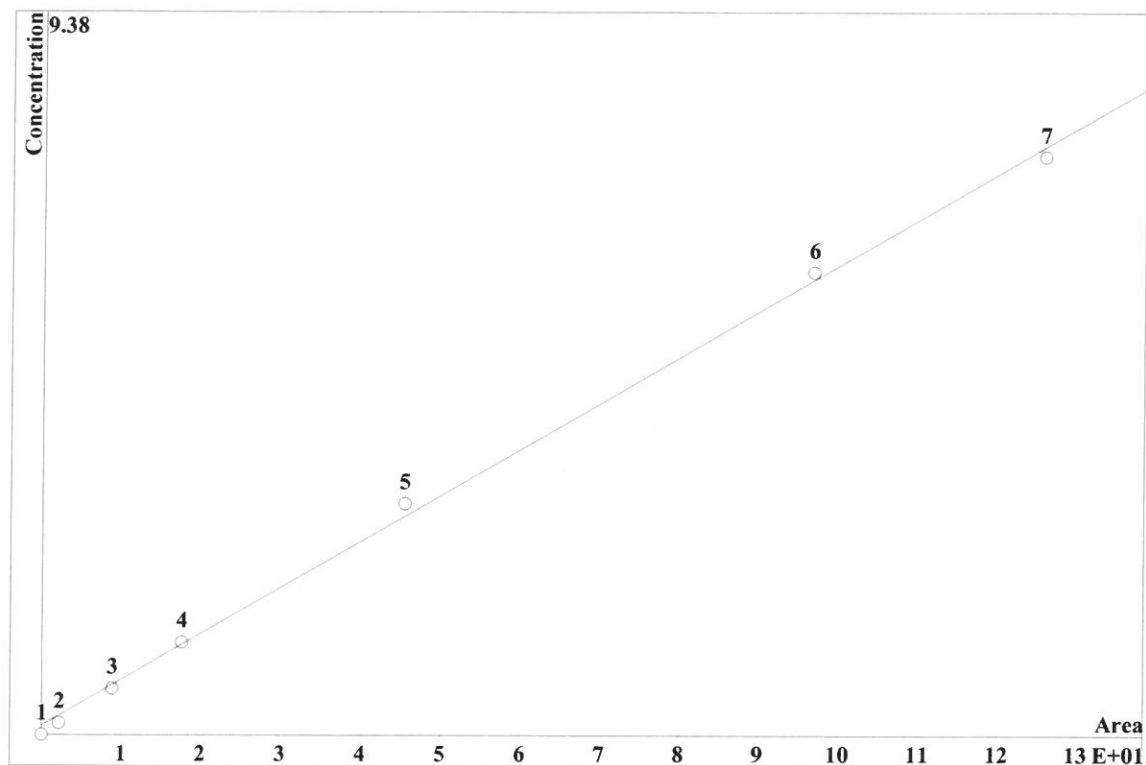


K3 = 0      K2 = 0      K1 = 0.920109      K0 = 2.48297  
Base: Area  
Ref.channel: Cond  
ISTD:  
Formula: Linear  
Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File  |     |
|-------|---------|-------|-------|---------|-----------|------|-------|-----|
| 1     | 0       |       | 0     | 0       | 0         |      | 0     | No  |
| 2     | 0.02551 | 1.014 |       | 0.1     | 20        |      | 5.921 | Yes |
| 3     | 0.1596  | 6.388 |       | 0.4     | 20        |      | 5.921 | Yes |
| 4     | 0.3497  | 14.97 |       | 0.8     | 20        |      | 5.921 | Yes |
| 5     | 0.9653  | 40    |       | 2       | 20        |      | 5.921 | Yes |
| 6     | 2.078   | 78.55 |       | 4       | 20        |      | 5.921 | Yes |
| 7     | 2.703   | 110.3 |       | 5       | 20        |      | 5.913 | Yes |

## CALIBRATION OF COMPONENT CL-

Method: ANIONS 05-14-18.mtw  
 Equation:  $Q = 1.19358 \cdot A + 2.42564$   
 RSD: 4.225 %  
 Correlation coefficient: 0.999271



K3 = 0      K2 = 0      K1 = 1.19358      K0 = 2.42564

Base: Area

Ref.channel: Cond

ISTD:

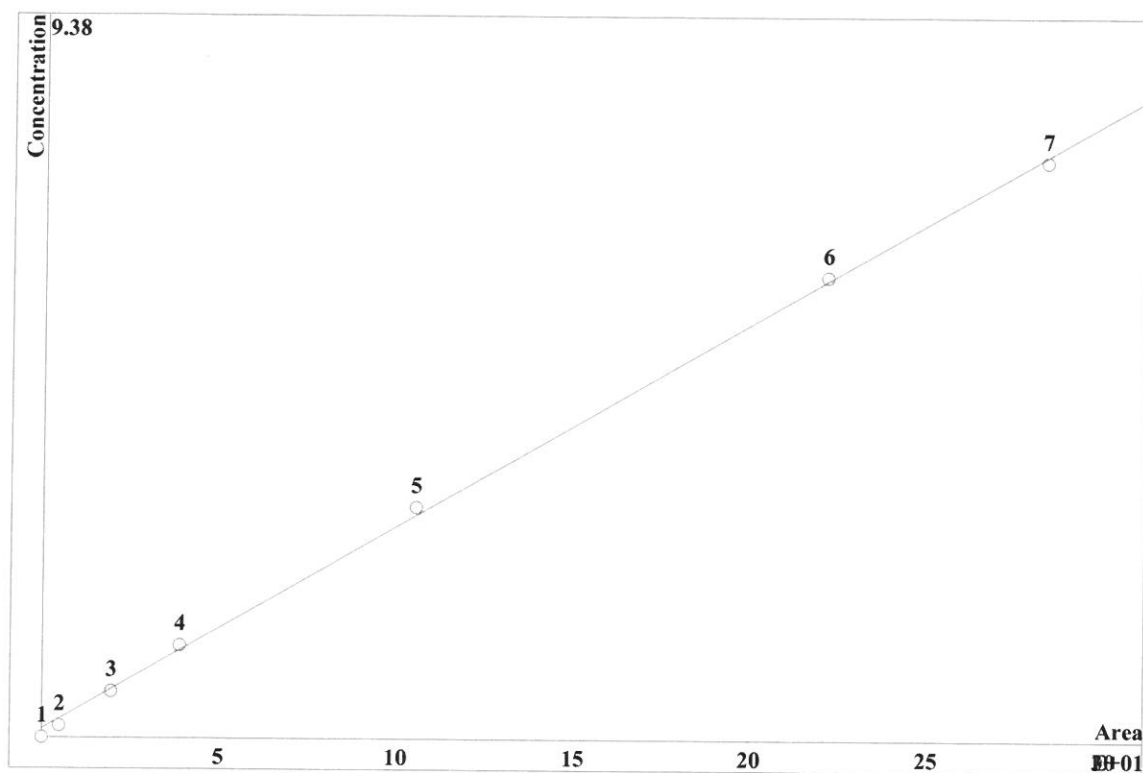
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.1304 | 2.177 | 0.15  | 20      | 8.982     | Yes  |      |
| 3     | 0.5082 | 8.904 | 0.6   | 20      | 8.982     | Yes  |      |
| 4     | 1.039  | 17.67 | 1.2   | 20      | 8.982     | Yes  |      |
| 5     | 2.738  | 45.48 | 3     | 20      | 8.982     | Yes  |      |
| 6     | 5.762  | 96.88 | 6     | 20      | 8.982     | Yes  |      |
| 7     | 7.521  | 125.9 | 7.5   | 20      | 8.858     | Yes  |      |

## CALIBRATION OF COMPONENT NO2

Method: ANIONS 05-14-18.mtw  
 Equation:  $Q = 0.527694 \cdot A + 2.32313$   
 RSD: 2.920 %  
 Correlation coefficient: 0.999652

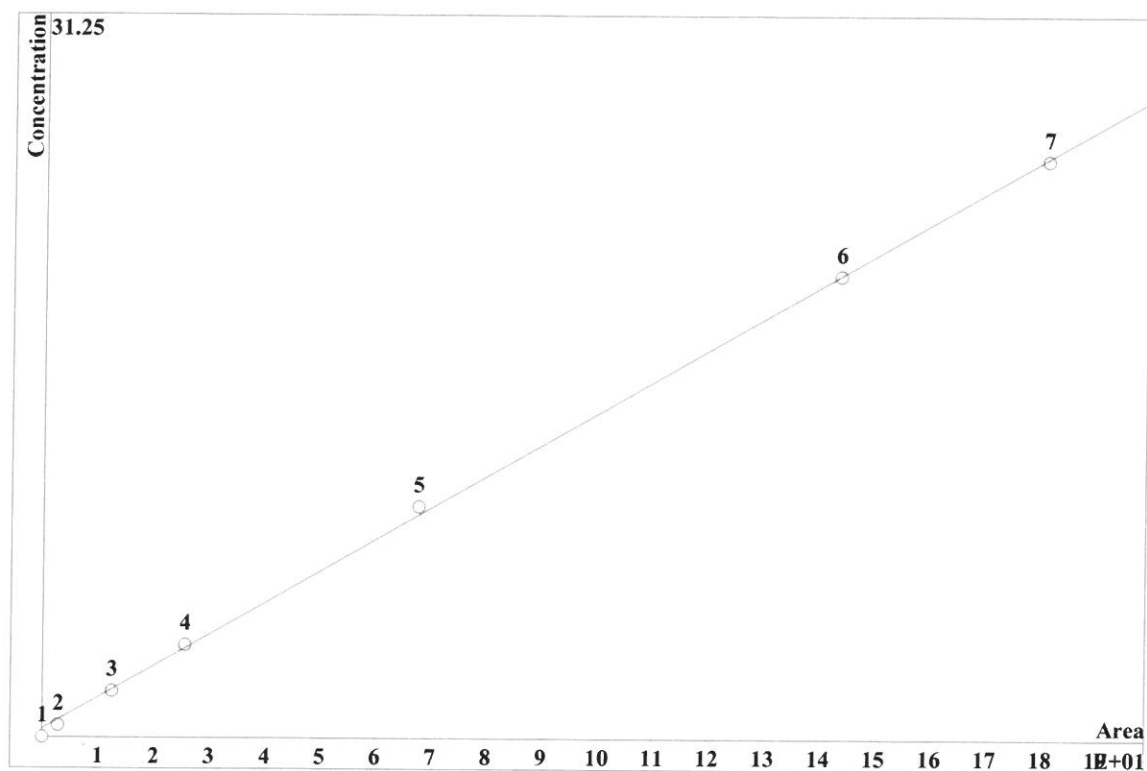


K3 = 0      K2 = 0      K1 = 0.527694      K0 = 2.32313  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.2505 | 4.928 | 0.15  | 20      | 10.72     |      |      | Yes |
| 3     | 0.9927 | 19.55 | 0.6   | 20      | 10.72     |      |      | Yes |
| 4     | 2.021  | 38.88 | 1.2   | 20      | 10.72     |      |      | Yes |
| 5     | 5.317  | 105.4 | 3     | 20      | 10.72     |      |      | Yes |
| 6     | 10.89  | 221.3 | 6     | 20      | 10.72     |      |      | Yes |
| 7     | 13.93  | 282.8 | 7.5   | 20      | 10.65     |      |      | Yes |

## CALIBRATION OF COMPONENT BR-

Method: ANIONS 05-14-18.mtw  
 Equation:  $Q = 2.73902 \cdot A + 7.39846$   
 RSD: 2.378 %  
 Correlation coefficient: 0.999769



K3 = 0      K2 = 0      K1 = 2.73902      K0 = 7.39846

Base: Area

Ref.channel: Cond

ISTD:

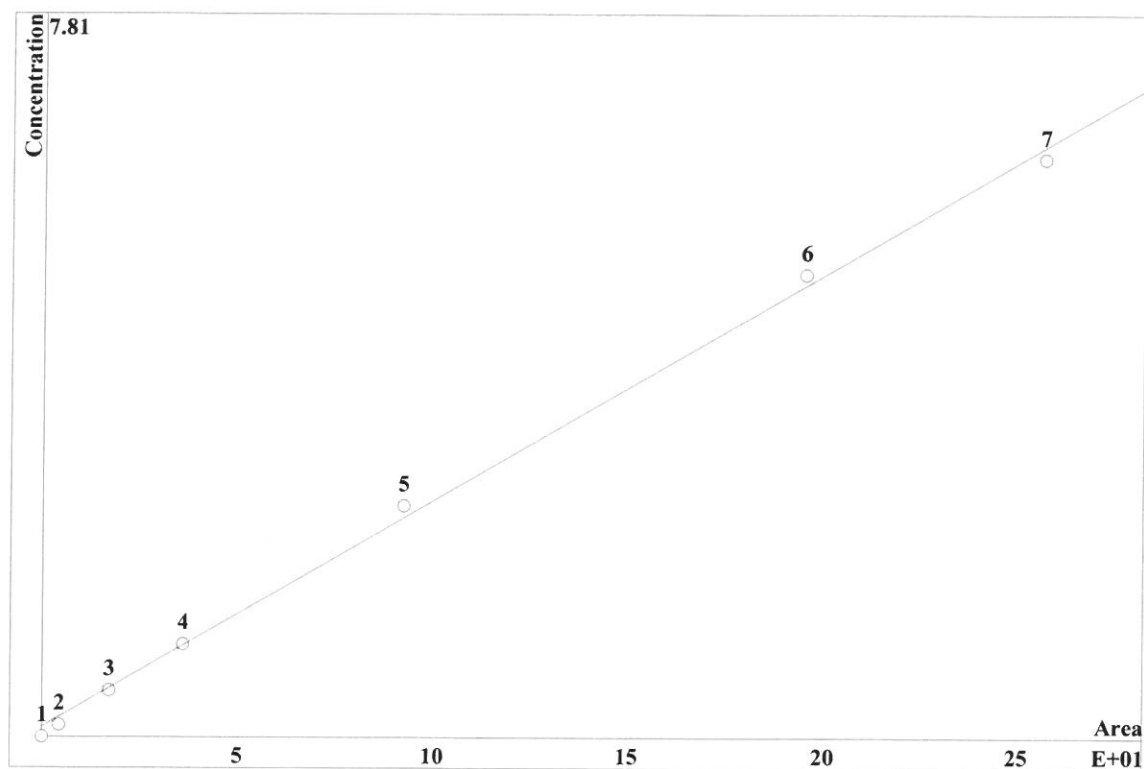
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.142  | 2.876 | 0.5   | 20      | 13.6      |      | Yes  |
| 3     | 0.5923 | 12.49 | 2     | 20      | 13.6      |      | Yes  |
| 4     | 1.213  | 25.51 | 4     | 20      | 13.6      |      | Yes  |
| 5     | 3.235  | 67.71 | 10    | 20      | 13.6      |      | Yes  |
| 6     | 6.802  | 143.5 | 20    | 20      | 13.6      |      | Yes  |
| 7     | 8.772  | 180.7 | 25    | 20      | 13.72     |      | Yes  |

## CALIBRATION OF COMPONENT NO3

Method: ANIONS 05-14-18.mtw  
 Equation:  $Q = 0.488768 \cdot A + 2.18902$   
 RSD: 4.670 %  
 Correlation coefficient: 0.999109



K3 = 0      K2 = 0      K1 = 0.488768      K0 = 2.18902

Base: Area

Ref.channel: Cond

ISTD:

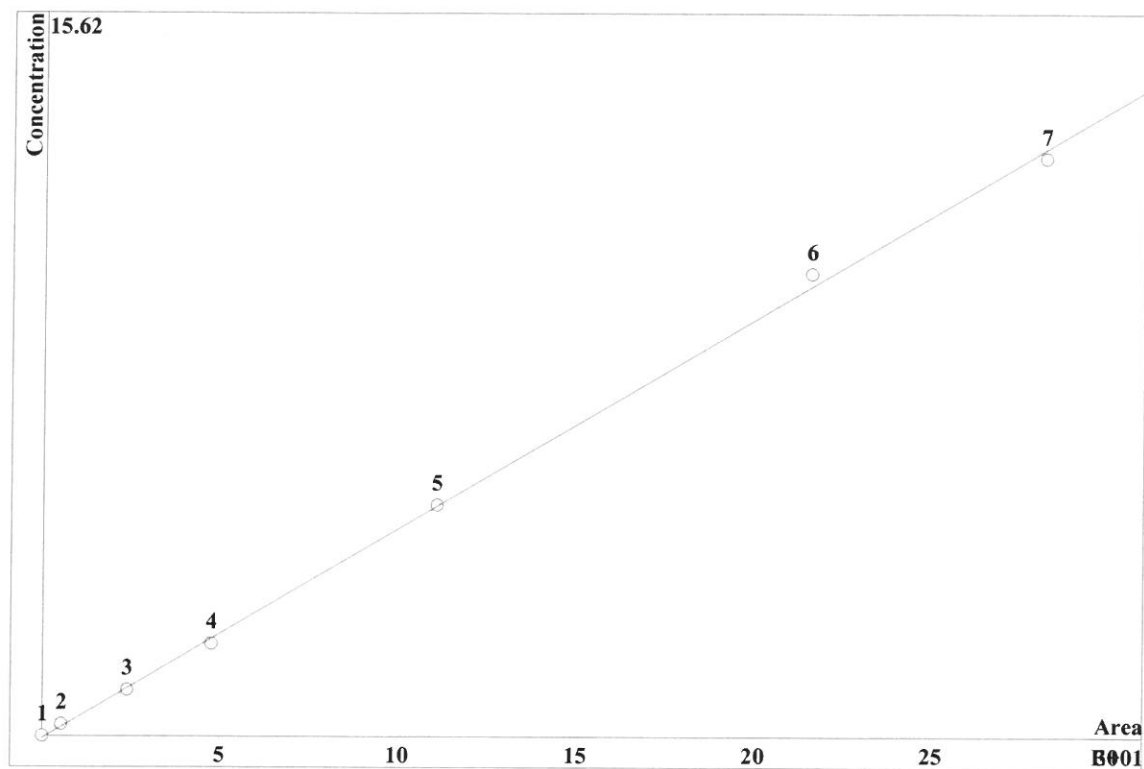
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.184  | 4.38  | 0.125 | 20      | 15.49     |      | Yes  |
| 3     | 0.7359 | 17.16 | 0.5   | 20      | 15.49     |      | Yes  |
| 4     | 1.507  | 36.11 | 1     | 20      | 15.49     |      | Yes  |
| 5     | 4.045  | 92.6  | 2.5   | 20      | 15.49     |      | Yes  |
| 6     | 8.751  | 195.3 | 5     | 20      | 15.49     |      | Yes  |
| 7     | 11.53  | 256.7 | 6.25  | 20      | 15.65     |      | Yes  |

## CALIBRATION OF COMPONENT HPO4

Method: ANIONS 05-14-18.mtw  
 Equation:  $Q = 0.904835 \cdot A - 0.920239$   
 RSD: 3.570 %  
 Correlation coefficient: 0.999480



K3 = 0      K2 = 0      K1 = 0.904835      K0 = -0.920239

Base: Area

Ref.channel: Cond

ISTD:

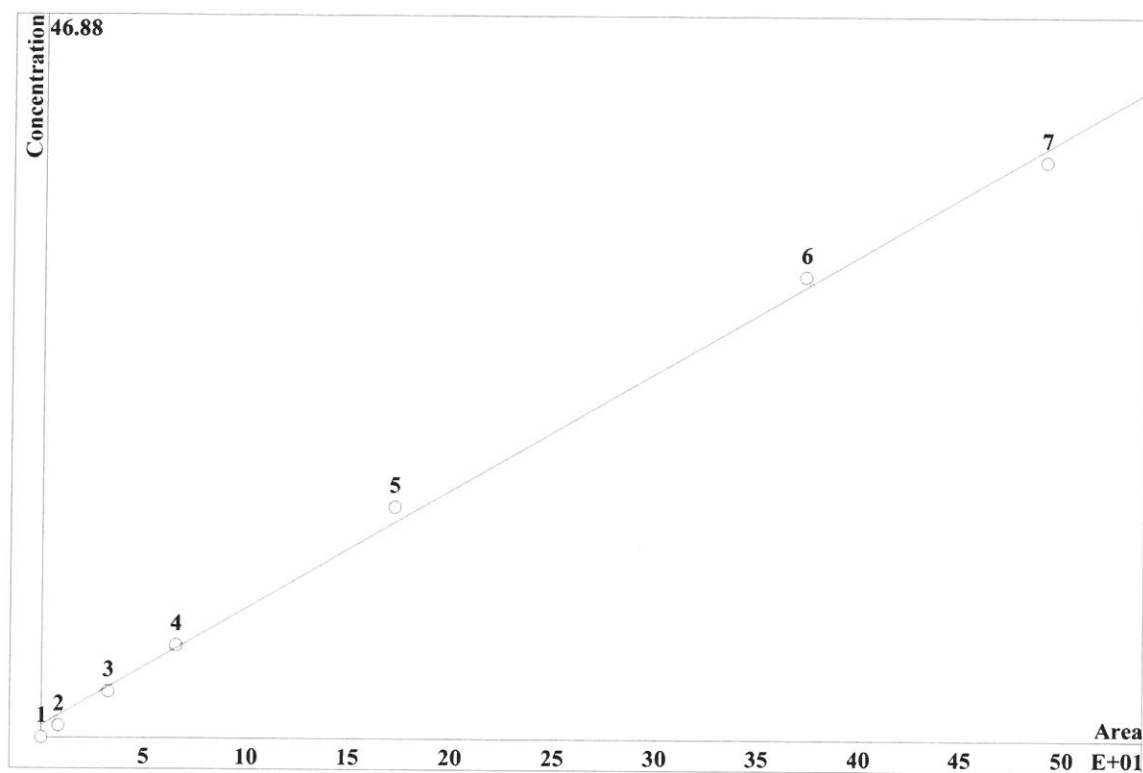
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         | No   |      |
| 2     | 0.1485 | 5.379 | 0.25  | 20      | 22.72     | Yes  |      |
| 3     | 0.595  | 23.98 | 1     | 20      | 22.72     | Yes  |      |
| 4     | 1.173  | 47.74 | 2     | 20      | 22.72     | Yes  |      |
| 5     | 2.952  | 111   | 5     | 20      | 22.72     | Yes  |      |
| 6     | 6.157  | 215.9 | 10    | 20      | 22.72     | Yes  |      |
| 7     | 8.052  | 281.7 | 12.5  | 20      | 21.48     | Yes  |      |

## CALIBRATION OF COMPONENT SO4

Method: ANIONS 05-14-18.mtw  
 Equation:  $Q = 1.53128 \cdot A + 16.1306$   
 RSD: 5.405 %  
 Correlation coefficient: 0.998807



K3 = 0      K2 = 0      K1 = 1.53128      K0 = 16.1306

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     | 0.2675 | 8.301 | 0.75  | 20      | 25.7      |      | Yes  |
| 3     | 1.039  | 32.57 | 3     | 20      | 25.7      |      | Yes  |
| 4     | 2.144  | 65.44 | 6     | 20      | 25.7      |      | Yes  |
| 5     | 5.778  | 172.5 | 15    | 20      | 25.7      |      | Yes  |
| 6     | 12.57  | 372.5 | 30    | 20      | 25.7      |      | Yes  |
| 7     | 16.6   | 490.4 | 37.5  | 20      | 25.17     |      | Yes  |



Report date: 5/15/2018 8:04:50 AM  
Printed by: wet

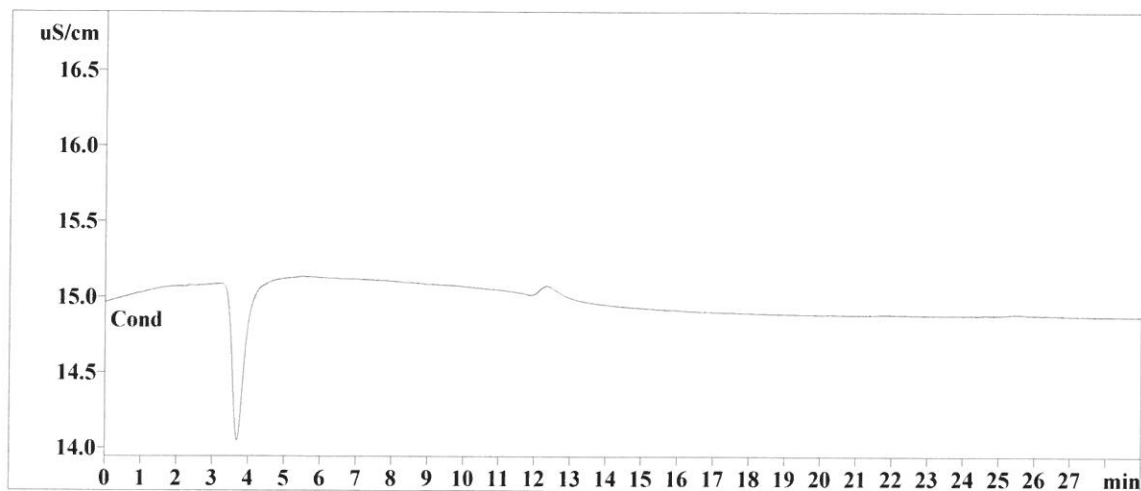
Ident: STD1  
Analysis from: 5/14/2018 4:03:39 PM  
File: \_2018-05-14\_

Last save: 5/15/2018 8:04:48 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62191

Last save: 5/14/2018 9:31:10 AM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 5/15/2018 8:05:06 AM  
Printed by: wet

Ident: STD2  
Analysis from: 5/14/2018 4:35:33 PM  
File: \_2018-05-14\_

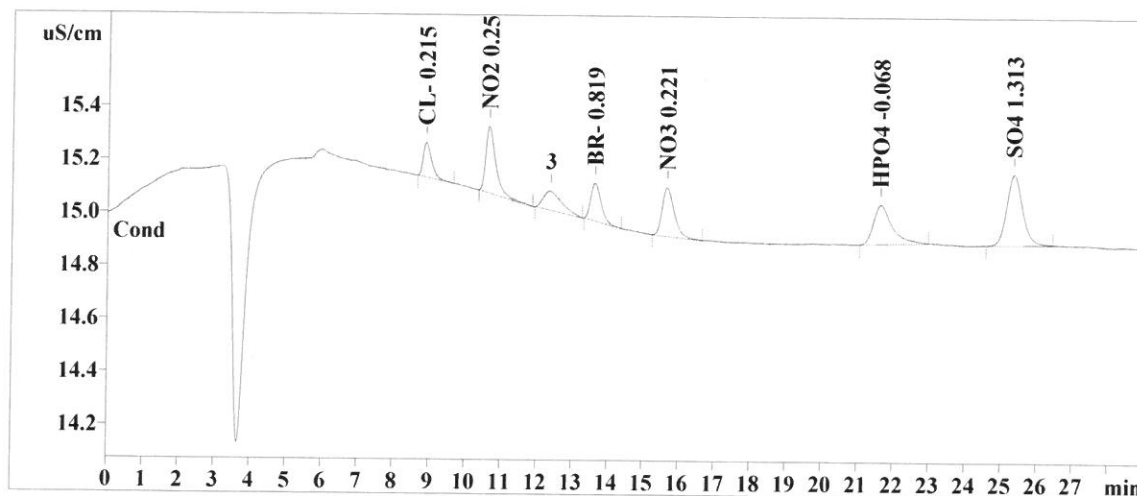
Last save: 5/14/2018 5:04:22 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62192

Last save: 5/14/2018 9:31:10 AM

SAMPLE:

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.88             | 0.249          | 0.13            | 10.85       | 2.177             | 7.09      | 0. |
| 3  | 10.64            | 0.280          | 0.25            | 20.92       | 4.928             | 16.06     | 0. |
| 4  | 13.62            | 0.311          | 0.14            | 11.81       | 2.876             | 9.37      | 0. |
| 5  | 15.65            | 0.354          | 0.18            | 15.37       | 4.380             | 14.28     | 0. |
| 6  | 21.62            | 0.509          | 0.15            | 12.38       | 5.379             | 17.53     | 0. |
| 7  | 25.33            | 0.467          | 0.27            | 22.30       | 8.301             | 27.06     | 0. |
| 7  | 29.00            | 0.310          | 1.12            | 93.62       | 28.042            | 91.39     | 0. |

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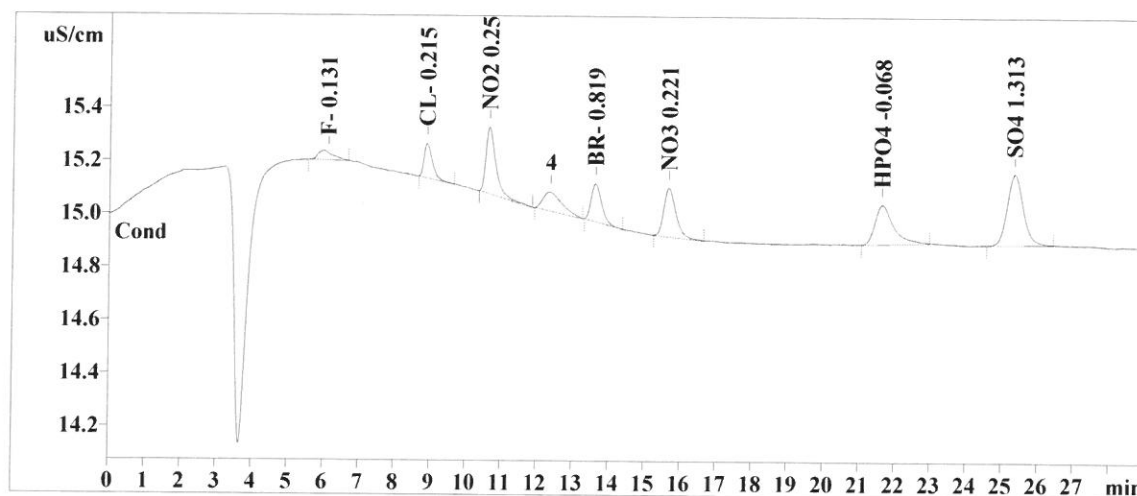
Report date: 5/15/2018 8:05:14 AM  
Printed by: wet

Ident: STD2  
Analysis from: 5/14/2018 4:35:33 PM  
File: \_2018-05-14\_  
Modified! Manual peaks!  
Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62192

Last save: 5/14/2018 5:04:22 PM

Last save: 5/14/2018 9:31:10 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  | 6.10             | 0.597          | 0.03            | 2.10        | 1.014             | 3.20      | 0. |
| 2  | 8.88             | 0.249          | 0.13            | 10.62       | 2.177             | 6.87      | 0. |
| 3  | 10.64            | 0.280          | 0.25            | 20.49       | 4.928             | 15.55     | 0. |
| 4  | 13.62            | 0.311          | 0.14            | 11.56       | 2.876             | 9.07      | 0. |
| 5  | 15.65            | 0.354          | 0.18            | 15.05       | 4.380             | 13.82     | 0. |
| 6  | 21.62            | 0.509          | 0.15            | 12.12       | 5.379             | 16.97     | 0. |
| 7  | 25.33            | 0.467          | 0.27            | 21.84       | 8.301             | 26.19     | 0. |
| 7  | 29.00            | 0.395          | 1.14            | 93.76       | 29.056            | 91.67     | 0. |

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Report date: 5/15/2018 8:05:38 AM  
Printed by: wet

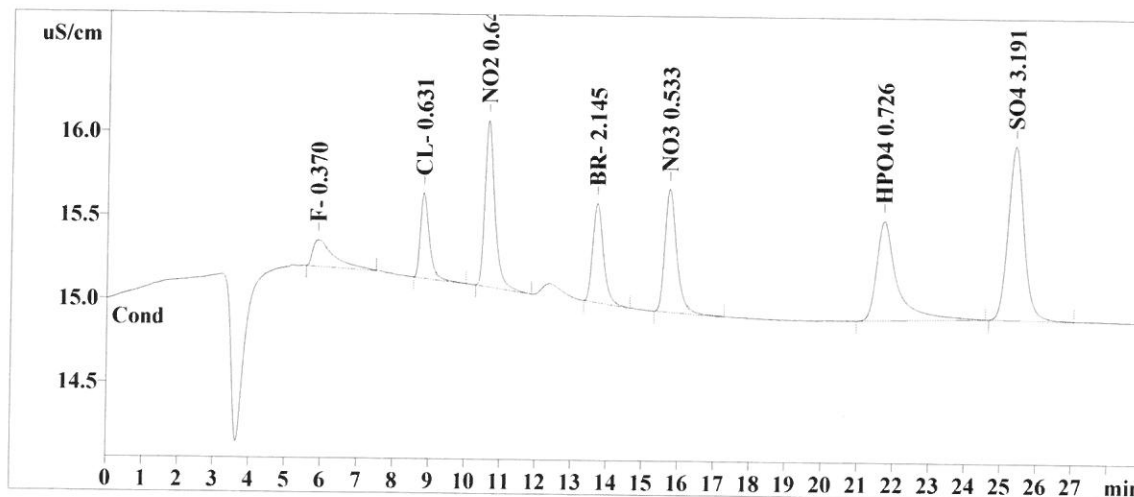
Ident: STD3  
Analysis from: 5/14/2018 5:07:27 PM  
File: \_2018-05-14\_

Last save: 5/14/2018 5:36:16 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62193

Last save: 5/14/2018 9:31:10 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  | 5.89             | 0.543          | 0.16            | 3.43        | 6.388             | 5.28      | 0. |
| 2  | 8.81             | 0.256          | 0.51            | 10.99       | 8.904             | 7.36      | 0. |
| 3  | 10.62            | 0.287          | 0.99            | 21.48       | 19.551            | 16.15     | 0. |
| 4  | 13.70            | 0.316          | 0.59            | 12.80       | 12.491            | 10.32     | 0. |
| 5  | 15.72            | 0.343          | 0.74            | 15.90       | 17.156            | 14.17     | 0. |
| 6  | 21.71            | 0.504          | 0.59            | 12.87       | 23.983            | 19.81     | 0. |
| 7  | 25.38            | 0.469          | 1.04            | 22.47       | 32.570            | 26.91     | 0. |
| 7  | 29.00            | 0.388          | 4.62            | 99.94       | 121.043           | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 5/15/2018 8:05:45 AM  
Printed by: wet

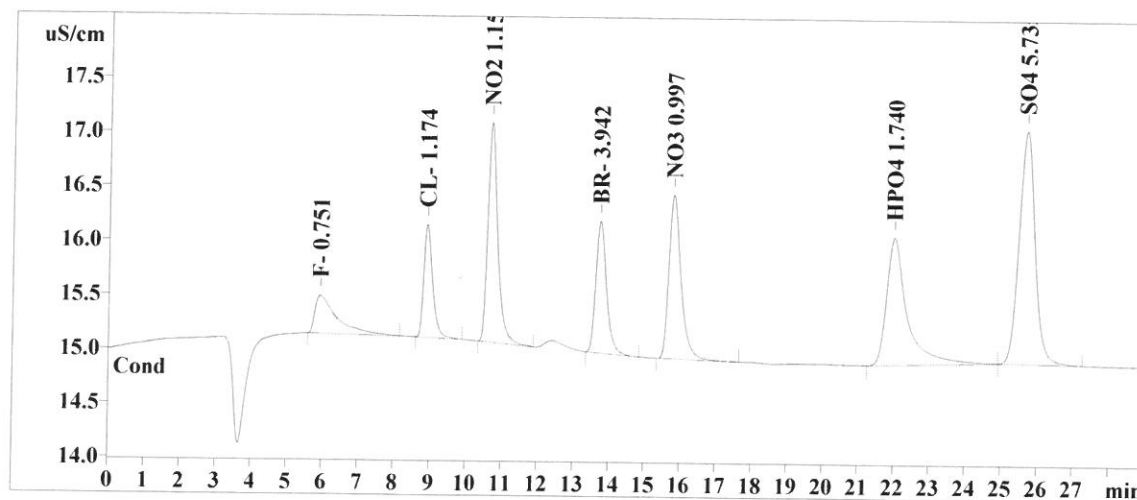
Ident: STD4  
Analysis from: 5/14/2018 5:39:22 PM  
File: \_2018-05-14\_

Last save: 5/14/2018 6:08:10 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62194

Last save: 5/14/2018 9:31:10 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  | 5.93             | 0.563          | 0.35            | 3.69        | 14.967            | 6.08      | 0. |
| 2  | 8.89             | 0.251          | 1.04            | 10.99       | 17.666            | 7.17      | 0. |
| 3  | 10.67            | 0.281          | 2.02            | 21.39       | 38.884            | 15.79     | 0. |
| 4  | 13.73            | 0.315          | 1.21            | 12.84       | 25.514            | 10.36     | 0. |
| 5  | 15.79            | 0.352          | 1.51            | 15.95       | 36.113            | 14.66     | 0. |
| 6  | 21.99            | 0.520          | 1.17            | 12.41       | 47.740            | 19.38     | 0. |
| 7  | 25.66            | 0.457          | 2.14            | 22.69       | 65.443            | 26.57     | 0. |
| 7  | 29.00            | 0.391          | 9.44            | 99.98       | 246.327           | 100.00    | 0. |

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Report date: 5/15/2018 8:05:51 AM  
Printed by: wet

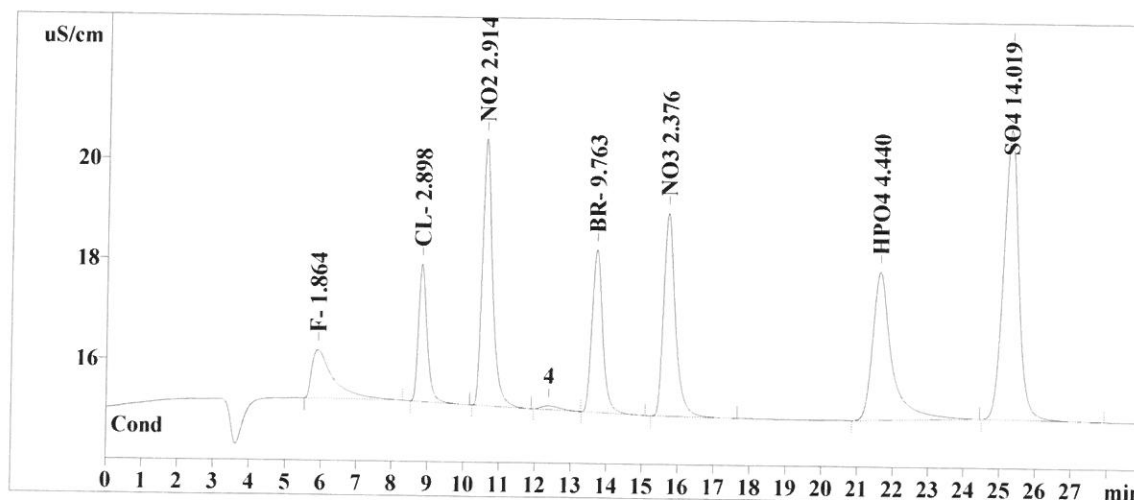
Ident: STD5  
Analysis from: 5/14/2018 6:11:17 PM  
File: \_2018-05-14\_

Last save: 5/14/2018 6:40:06 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62195

Last save: 5/14/2018 9:31:10 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  | 5.89             | 0.546          | 0.96            | 3.84        | 39.998            | 6.27      | 0. |
| 2  | 8.80             | 0.245          | 2.74            | 10.90       | 45.481            | 7.13      | 0. |
| 3  | 10.58            | 0.290          | 5.32            | 21.18       | 105.393           | 16.53     | 0. |
| 4  | 13.69            | 0.312          | 3.24            | 12.89       | 67.711            | 10.62     | 0. |
| 5  | 15.68            | 0.334          | 4.04            | 16.11       | 92.595            | 14.52     | 0. |
| 6  | 21.60            | 0.490          | 2.95            | 11.76       | 111.022           | 17.41     | 0. |
| 7  | 25.25            | 0.446          | 5.78            | 23.01       | 172.499           | 27.05     | 0. |
| 7  | 29.00            | 0.380          | 25.03           | 99.67       | 634.700           | 99.53     | 0. |

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Report date: 5/15/2018 8:05:59 AM  
Printed by: wet

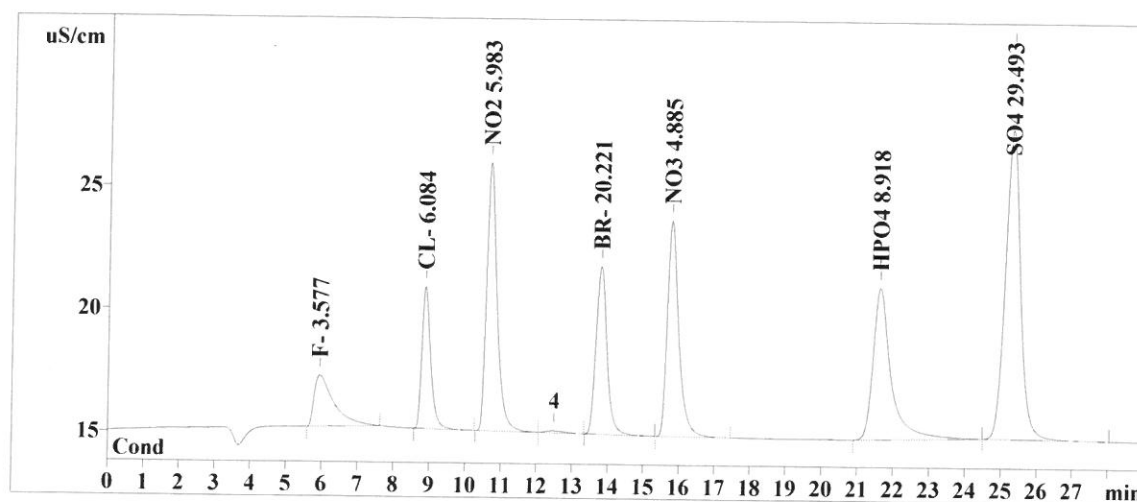
Ident: STD6  
Analysis from: 5/14/2018 6:43:11 PM  
File: \_2018-05-14\_

Last save: 5/14/2018 7:12:00 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62196

Last save: 5/14/2018 9:31:10 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  | 5.94             | 0.528          | 2.08            | 3.91        | 78.550            | 5.92      | 0. |
| 2  | 8.86             | 0.248          | 5.76            | 10.86       | 96.879            | 7.30      | 0. |
| 3  | 10.66            | 0.299          | 10.89           | 20.51       | 221.310           | 16.68     | 0. |
| 4  | 13.78            | 0.316          | 6.80            | 12.81       | 143.524           | 10.82     | 0. |
| 5  | 15.75            | 0.324          | 8.75            | 16.48       | 195.289           | 14.72     | 0. |
| 6  | 21.61            | 0.463          | 6.16            | 11.60       | 215.944           | 16.27     | 0. |
| 7  | 25.26            | 0.442          | 12.57           | 23.67       | 372.452           | 28.07     | 0. |
| 7  | 29.00            | 0.374          | 53.00           | 99.84       | 1323.947          | 99.78     | 0. |

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Report date: 5/15/2018 8:06:06 AM  
Printed by: wet

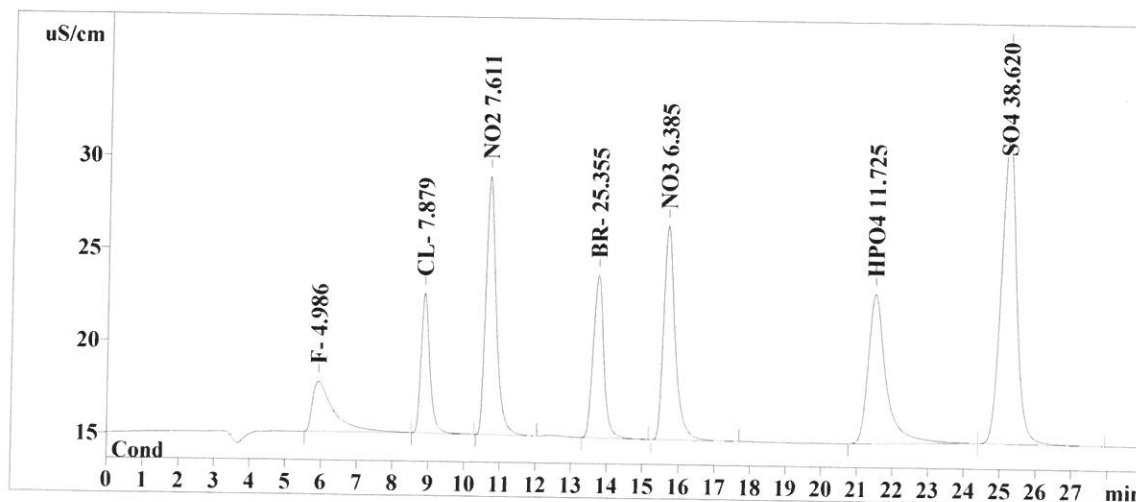
Ident: STD7  
Analysis from: 5/14/2018 7:15:06 PM  
File: \_2018-05-14\_

Last save: 5/14/2018 7:43:54 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62197

Last save: 5/14/2018 9:31:10 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  | 5.91             | 0.542          | 2.70            | 3.91        | 110.251           | 6.38      | 0. |
| 2  | 8.86             | 0.247          | 7.52            | 10.88       | 125.853           | 7.28      | 0. |
| 3  | 10.65            | 0.300          | 13.93           | 20.16       | 282.787           | 16.36     | 0. |
| 4  | 13.72            | 0.309          | 8.77            | 12.69       | 180.742           | 10.46     | 0. |
| 5  | 15.65            | 0.322          | 11.53           | 16.68       | 256.727           | 14.85     | 0. |
| 6  | 21.48            | 0.468          | 8.05            | 11.65       | 281.717           | 16.30     | 0. |
| 7  | 25.17            | 0.440          | 16.60           | 24.02       | 490.404           | 28.37     | 0. |
| 7  | 29.00            | 0.375          | 69.11           | 99.99       | 1728.482          | 100.00    | 0. |

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Report date: 5/16/2018 12:46:19 PM  
Printed by: wet

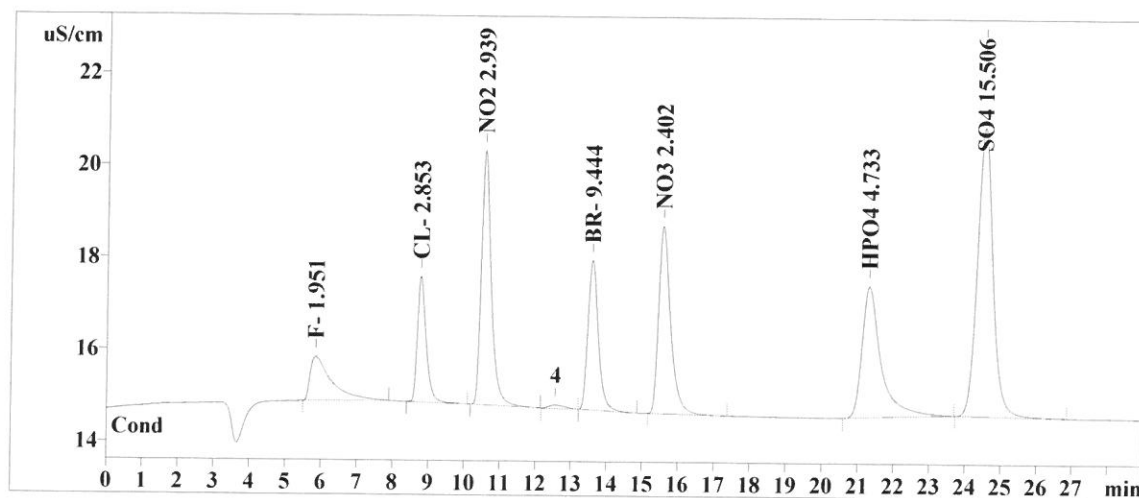
Ident: ICV  
Analysis from: 5/15/2018 9:48:51 AM  
File: \_2018-05-15\_

Last save: 5/15/2018 10:17:40 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62205

Last save: 5/15/2018 8:12:34 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  | 5.85             | 0.559          | 0.96            | 3.73        | 39.711            | 6.09      | 0. |
| 2  | 8.76             | 0.247          | 2.73            | 10.62       | 45.769            | 7.01      | 0. |
| 3  | 10.54            | 0.283          | 5.52            | 21.46       | 107.001           | 16.40     | 0. |
| 4  | 13.58            | 0.305          | 3.25            | 12.63       | 66.258            | 10.15     | 0. |
| 5  | 15.55            | 0.336          | 4.07            | 15.82       | 93.815            | 14.38     | 0. |
| 6  | 21.30            | 0.491          | 2.84            | 11.06       | 105.632           | 16.19     | 0. |
| 7  | 24.50            | 0.457          | 6.27            | 24.39       | 191.995           | 29.42     | 0. |
| 7  | 29.00            | 0.383          | 25.63           | 99.70       | 650.182           | 99.64     | 0. |

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Report date: 5/16/2018 12:46:30 PM  
Printed by: wet

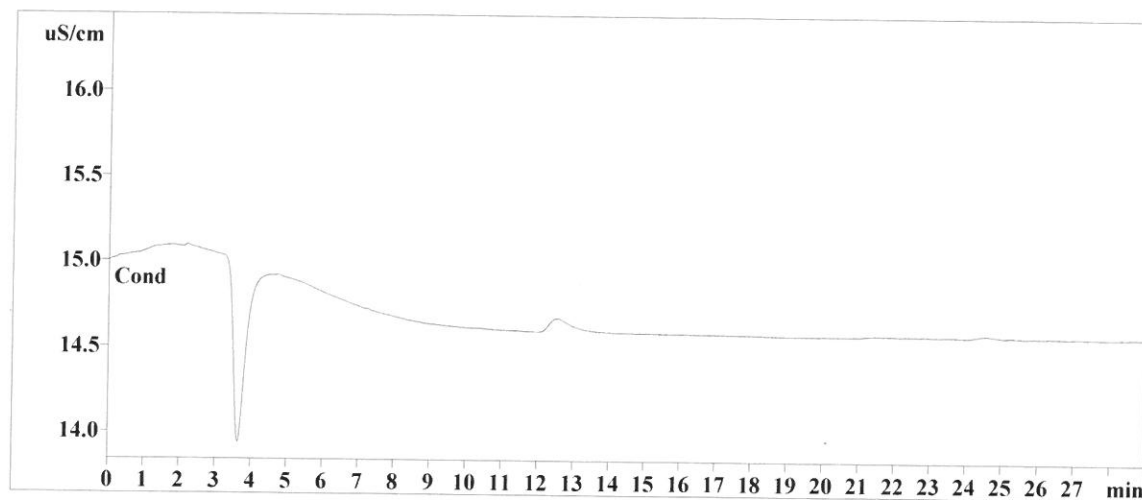
Ident: ICB  
Analysis from: 5/15/2018 10:20:45 AM  
File: \_2018-05-15\_

Last save: 5/15/2018 10:49:34 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62206

Last save: 5/15/2018 8:12:34 AM

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



Quantitation method: Custom

No peaks

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|               |        |         |        |        |        |        |         |             |               |
|---------------|--------|---------|--------|--------|--------|--------|---------|-------------|---------------|
| J3201-05DLX10 | 0.0000 | 70.1480 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 19.6970 | 2018-05-30_ | 5/30/18 21:31 |
| CCV           | 1.9520 | 2.9170  | 2.8900 | 9.5990 | 2.4490 | 5.4720 | 15.0880 | 2018-05-30_ | 5/30/18 22:02 |
| CCB           | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 2018-05-30_ | 5/30/18 22:33 |

Report date: 5/31/2018 10:05:19 AM  
Printed by: wet

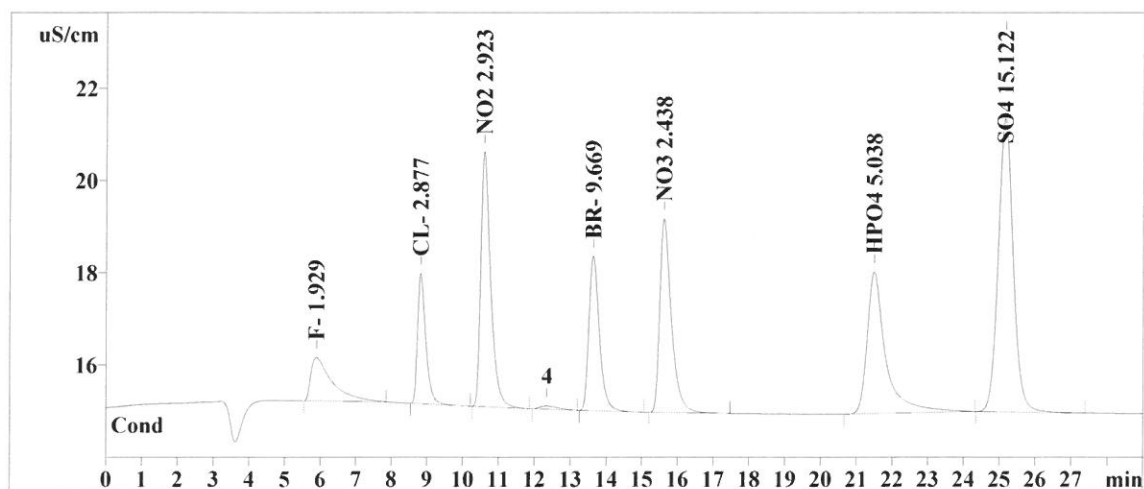
Ident: CCV  
Analysis from: 5/30/2018 10:27:28 AM  
File: \_2018-05-30\_

Last save: 5/30/2018 10:56:16 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62373

Last save: 5/15/2018 8:12:34 AM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.89             | 0.570          | 0.94            | 3.58        | 39.221            | 5.97      | 0. |
| 2  | 8.82             | 0.242          | 2.82            | 10.71       | 46.168            | 7.03      | 0. |
| 3  | 10.60            | 0.284          | 5.53            | 20.98       | 106.384           | 16.20     | 0. |
| 4  | 13.63            | 0.303          | 3.34            | 12.69       | 67.901            | 10.34     | 0. |
| 5  | 15.61            | 0.331          | 4.20            | 15.94       | 95.270            | 14.50     | 0. |
| 6  | 21.49            | 0.473          | 3.07            | 11.67       | 112.382           | 17.11     | 0. |
| 7  | 25.15            | 0.441          | 6.36            | 24.14       | 186.979           | 28.46     | 0. |
| 7  | 29.00            | 0.378          | 26.26           | 99.71       | 654.305           | 99.61     | 0. |

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Report date: 5/31/2018 10:05:54 AM  
Printed by: wet

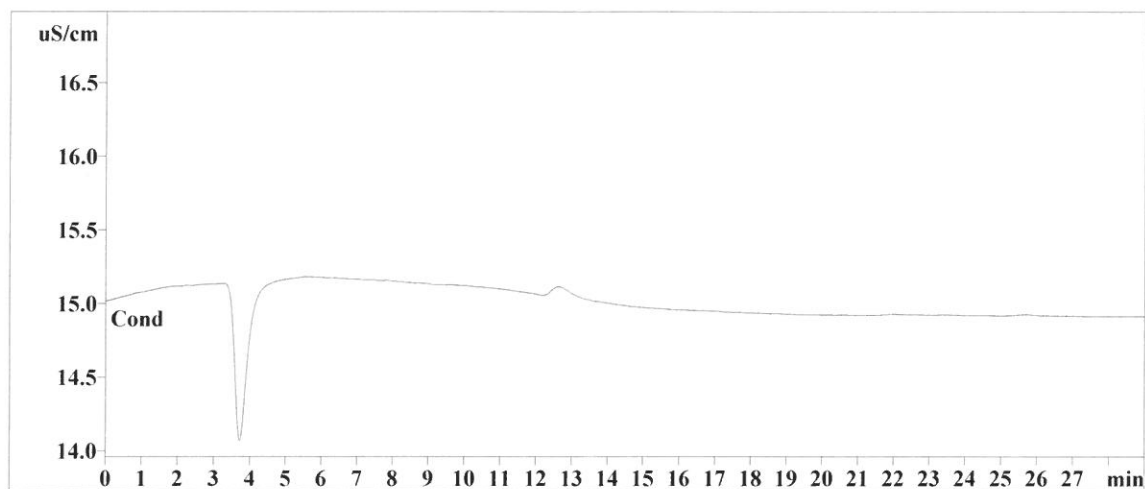
Ident: CCB  
Analysis from: 5/30/2018 11:00:35 AM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:05:52 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62374

Last save: 5/15/2018 8:12:34 AM

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



Quantitation method: Custom

No peaks

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Report date: 5/31/2018 10:06:01 AM  
Printed by: wet

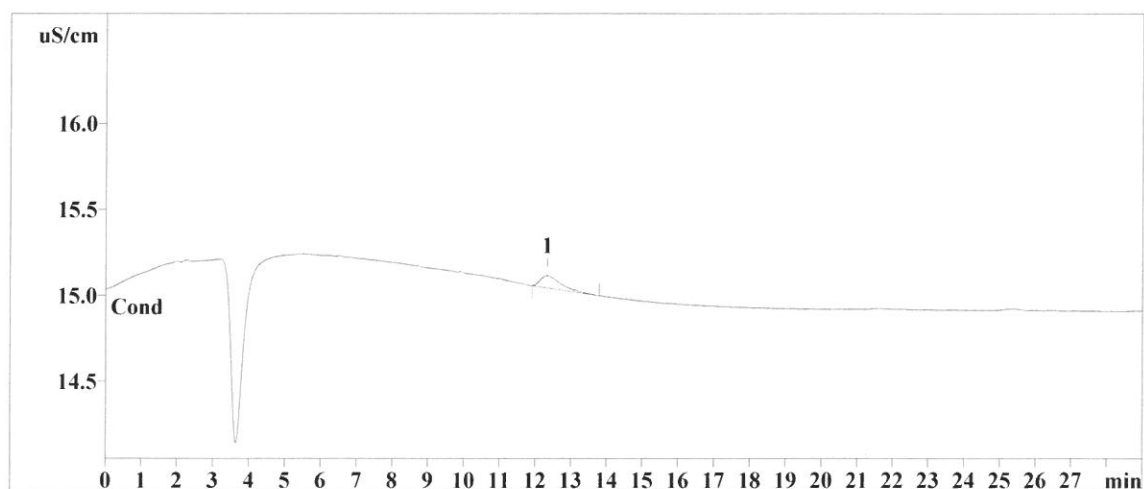
Ident: LB95724BLW  
Analysis from: 5/30/2018 11:32:30 AM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:05:00 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62375

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.02g  
: 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 29.00            | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |

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Report date: 5/31/2018 10:06:09 AM  
Printed by: wet

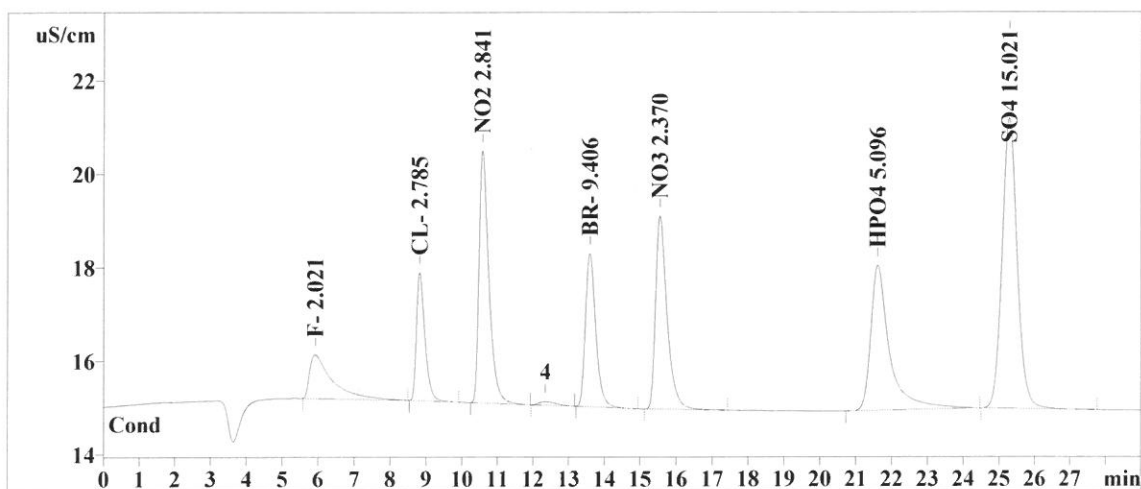
Ident: LB95724BSW  
Analysis from: 5/30/2018 12:04:24 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:05:00 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62376

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
: 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             | 0.571          | 0.94            | 3.62        | 41.225            | 6.35      | 0. |
| 2  | 8.82             | 0.242          | 2.74            | 10.58       | 44.641            | 6.87      | 0. |
| 3  | 10.58            | 0.281          | 5.40            | 20.85       | 103.276           | 15.90     | 0. |
| 4  | 13.59            | 0.302          | 3.28            | 12.66       | 65.983            | 10.16     | 0. |
| 5  | 15.54            | 0.328          | 4.14            | 15.97       | 92.499            | 14.24     | 0. |
| 6  | 21.61            | 0.473          | 3.11            | 11.99       | 113.653           | 17.49     | 0. |
| 7  | 25.28            | 0.448          | 6.22            | 24.02       | 185.650           | 28.58     | 0. |
| 7  | 29.00            | 0.378          | 25.83           | 99.69       | 646.927           | 99.58     | 0. |

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Report date: 5/31/2018 10:08:35 AM  
Printed by: wet

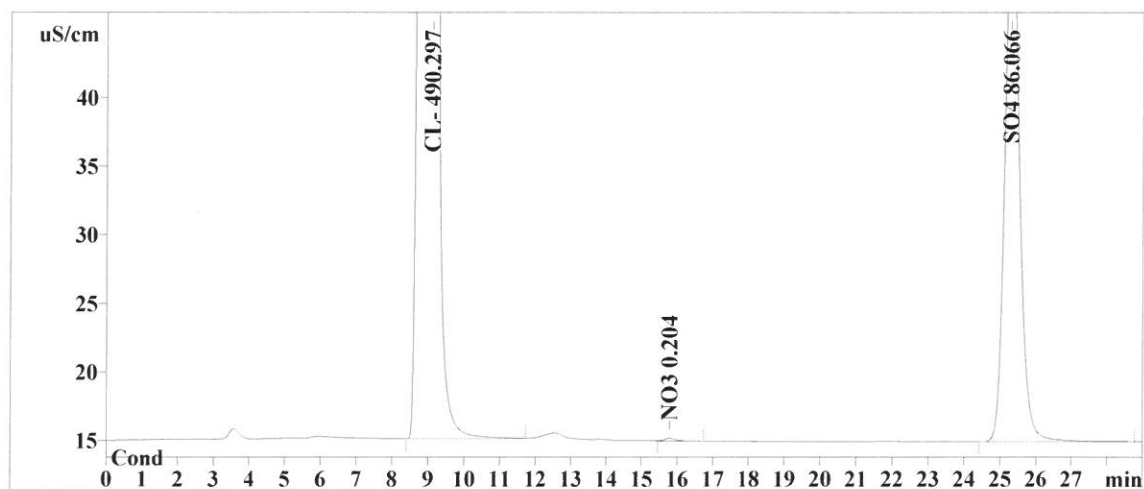
Ident: J3201-08  
Analysis from: 5/30/2018 12:36:59 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:08:34 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62377

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
: AK/AP  
Vial number: 42  
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  | 9.09             | 0.359          | 370.18          | 90.34       | 8213.532          | 88.02     | 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  | 15.78            | 0.292          | 0.20            | 0.05        | 3.873             | 0.04      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 25.28            | 0.424          | 39.36           | 9.60        | 1113.568          | 11.93     | 0. |
| 7  | 29.00            | 0.154          | 409.73          | 99.99       | 9330.973          | 100.00    | 0. |

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Report date: 5/31/2018 10:10:18 AM  
Printed by: wet

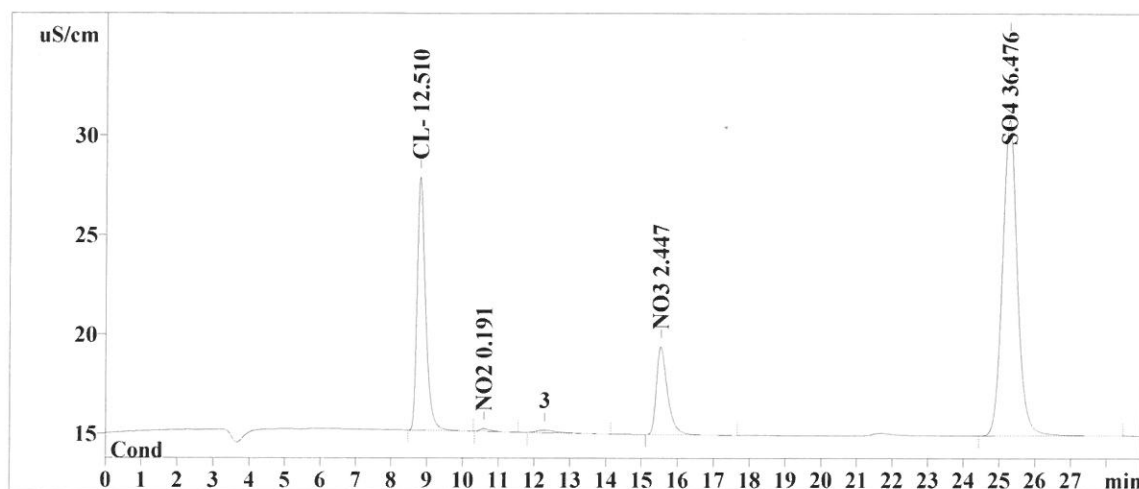
Ident: J3201-01  
Analysis from: 5/30/2018 1:08:53 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:10:18 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62378

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
: AK/AP  
Vial number: 43  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.80             | 0.241          | 12.73           | 38.23       | 207.582           | 26.70     | 0. |
| 3  | 10.59            | 0.305          | 0.14            | 0.41        | 2.839             | 0.37      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.52            | 0.316          | 4.42            | 13.26       | 95.633            | 12.30     | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 25.26            | 0.436          | 15.89           | 47.70       | 465.872           | 59.93     | 0. |
| 7  | 29.00            | 0.185          | 33.18           | 99.60       | 771.926           | 99.31     | 0. |

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Report date: 5/31/2018 10:11:14 AM  
 Printed by: wet

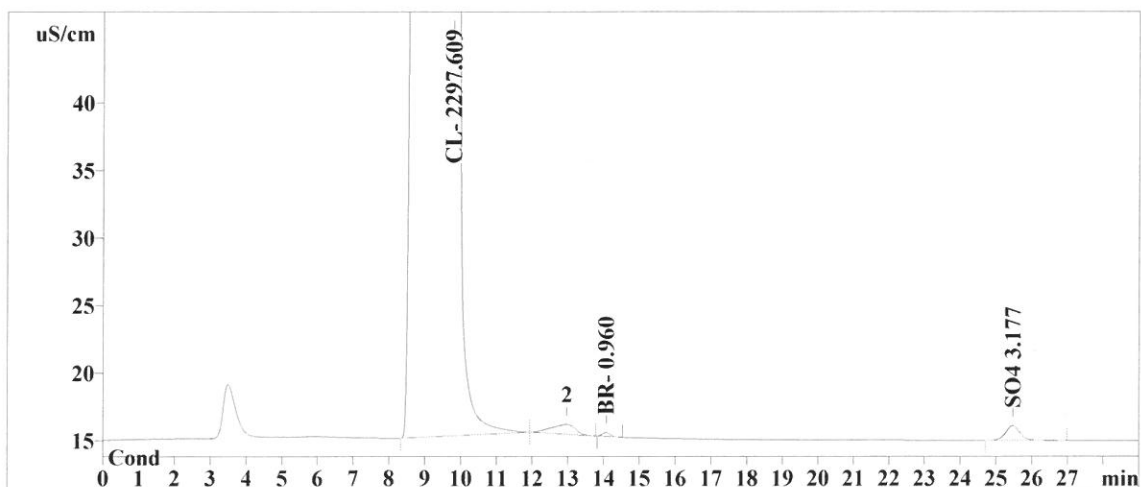
Ident: J3201-07  
 Analysis from: 5/30/2018 1:40:48 PM  
 File: \_2018-05-30\_

Last save: 5/31/2018 10:11:14 AM

Method: ANIONS 05-14-18.mtw  
 Run operator: wet  
 Analysis number: 62379

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
 : AK/AP  
 Vial number: 44  
 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  | 9.78             | 0.924          | 739.13          | 99.70       | 38497.366         | 99.82     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 14.07            | 0.228          | 0.29            | 0.04        | 4.309             | 0.01      | 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  | 25.47            | 0.427          | 1.09            | 0.15        | 30.959            | 0.08      | 0. |
| 7  | 29.00            | 0.226          | 740.52          | 99.88       | 38532.634         | 99.91     | 0. |

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Report date: 5/31/2018 10:11:58 AM  
 Printed by: wet

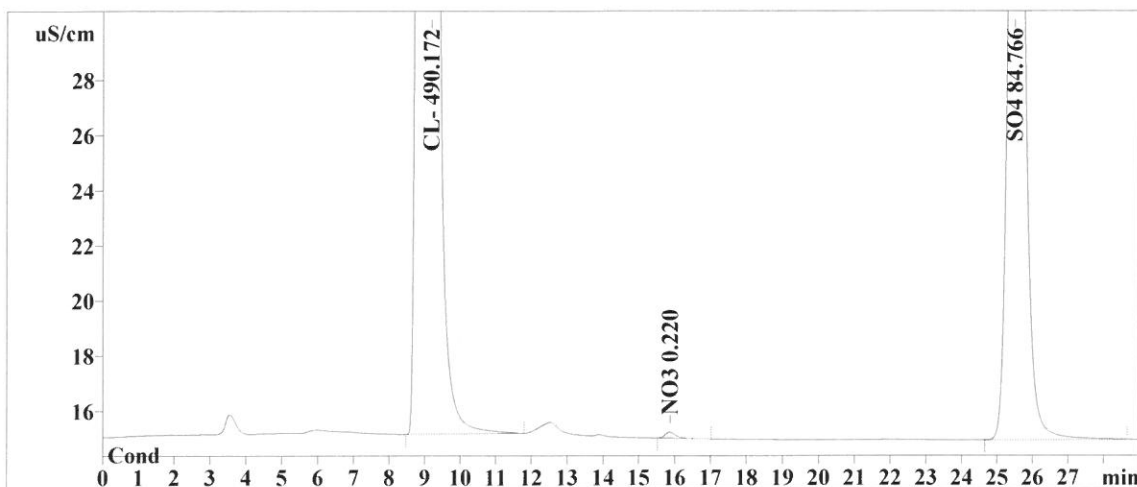
Ident: J3201-02  
 Analysis from: 5/30/2018 2:12:42 PM  
 File: \_2018-05-30\_

Last save: 5/31/2018 10:11:52 AM

Method: ANIONS 05-14-18.mtw  
 Run operator: wet  
 Analysis number: 62380

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
 : 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  | 9.17             | 0.359          | 368.53          | 90.39       | 8211.435          | 88.18     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.86            | 0.300          | 0.22            | 0.05        | 4.509             | 0.05      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 25.49            | 0.423          | 38.92           | 9.55        | 1096.593          | 11.78     | 0. |
| 7  | 29.00            | 0.155          | 407.67          | 99.99       | 9312.537          | 100.00    | 0. |

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Report date: 5/31/2018 10:12:37 AM  
Printed by: wet

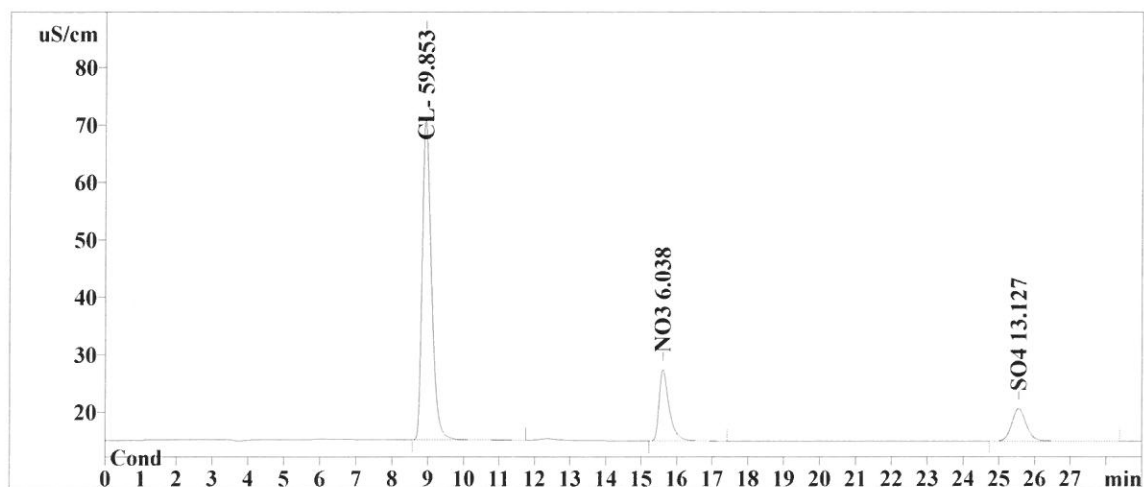
Ident: J3201-03  
Analysis from: 5/30/2018 2:44:37 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:12:38 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62381

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
: 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          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.92             | 0.269          | 55.97           | 75.62       | 1000.881          | 71.27     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.60            | 0.283          | 12.37           | 16.71       | 242.583           | 17.27     | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 25.55            | 0.423          | 5.68            | 7.68        | 160.911           | 11.46     | 0. |
| 7  | 29.00            | 0.139          | 74.02           | 100.00      | 1404.375          | 100.00    | 0. |

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Report date: 5/31/2018 10:13:19 AM  
Printed by: wet

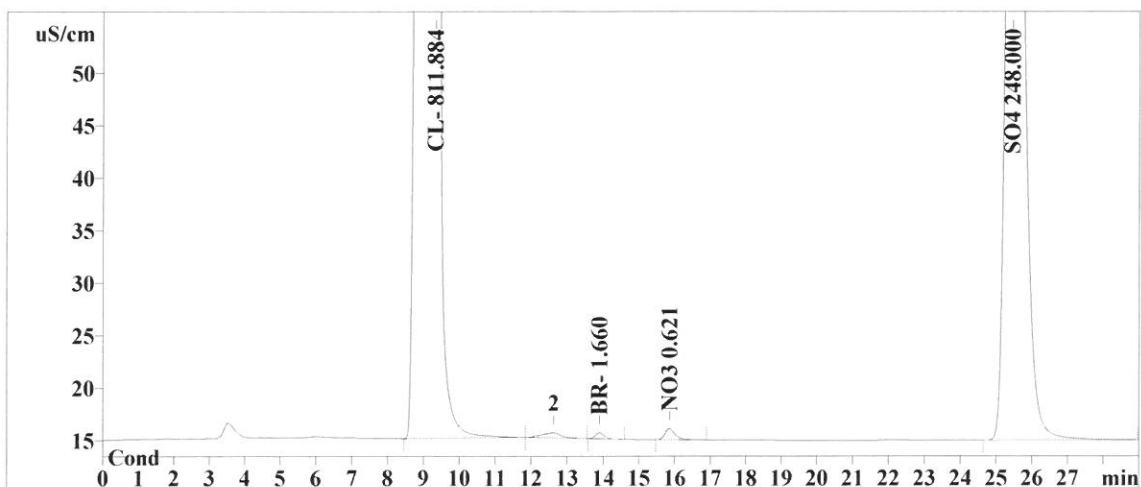
Ident: J3201-05  
Analysis from: 5/30/2018 3:16:31 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:13:18 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62382

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
: 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  | 9.32             | 0.475          | 483.87          | 81.67       | 13602.123         | 80.58     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 13.89            | 0.248          | 0.58            | 0.10        | 9.417             | 0.06      | 0. |
| 5  | 15.85            | 0.296          | 1.05            | 0.18        | 20.925            | 0.12      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 25.44            | 0.463          | 106.29          | 17.94       | 3228.589          | 19.13     | 0. |
| 7  | 29.00            | 0.212          | 591.78          | 99.89       | 16861.053         | 99.89     | 0. |

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Report date: 5/31/2018 10:20:13 AM  
 Printed by: wet

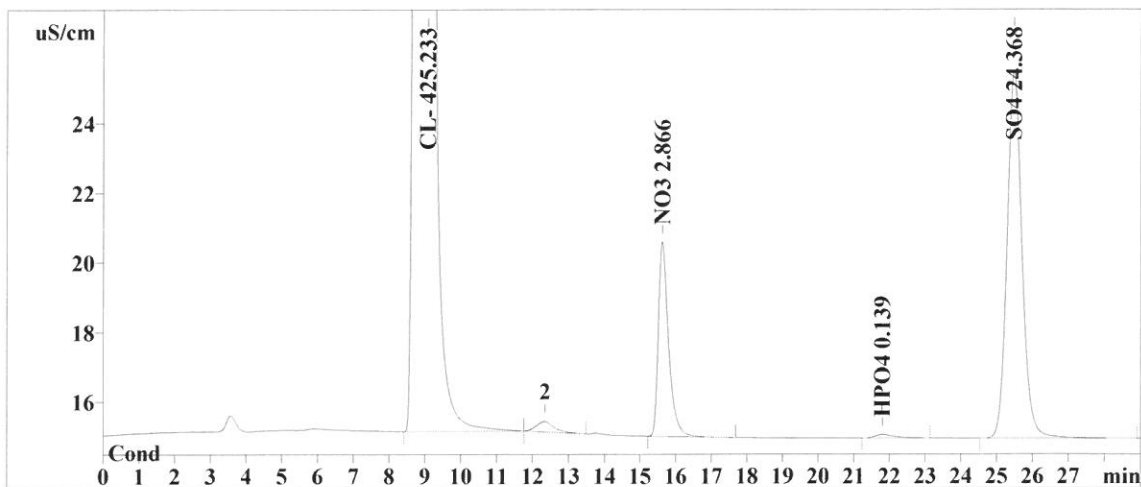
Ident: J3201-04  
 Analysis from: 5/30/2018 3:48:26 PM  
 File: \_2018-05-30\_

Last save: 5/30/2018 4:17:14 PM

Method: ANIONS 05-14-18.mtw  
 Run operator: wet  
 Analysis number: 62383

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
 : 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 9.07             | 0.332          | 347.16          | 95.38       | 7123.294          | 94.25     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.61            | 0.294          | 5.59            | 1.53        | 112.779           | 1.49      | 0. |
| 6  | 21.81            | 0.540          | 0.11            | 0.03        | 4.099             | 0.05      | 0. |
| 7  | 25.48            | 0.435          | 10.55           | 2.90        | 307.730           | 4.07      | 0. |
| 7  | 29.00            | 0.229          | 363.40          | 99.84       | 7547.903          | 99.86     | 0. |

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Report date: 5/31/2018 10:15:45 AM  
Printed by: wet

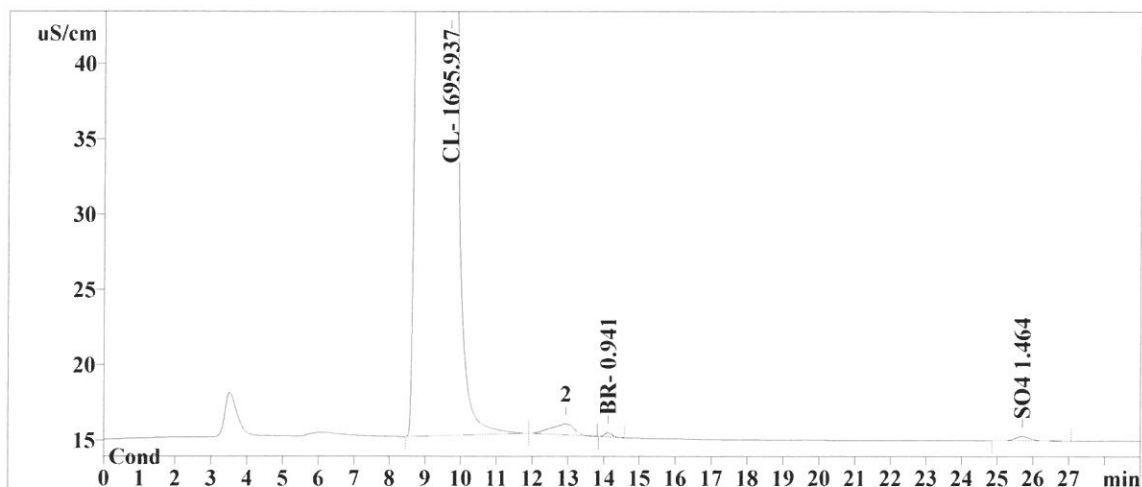
Ident: J3201-06  
Analysis from: 5/30/2018 4:20:21 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:15:44 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62384

Last save: 5/15/2018 8:12:34 AM

SAMPLE: 5.01g  
: 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 9.69             | 0.748          | 663.17          | 99.79       | 28415.578         | 99.84     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 14.12            | 0.226          | 0.28            | 0.04        | 4.171             | 0.01      | 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  | 25.71            | 0.427          | 0.30            | 0.04        | 8.593             | 0.03      | 0. |
| 7  | 29.00            | 0.200          | 663.75          | 99.88       | 28428.342         | 99.88     | 0. |

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Report date: 5/31/2018 10:20:59 AM  
Printed by: wet

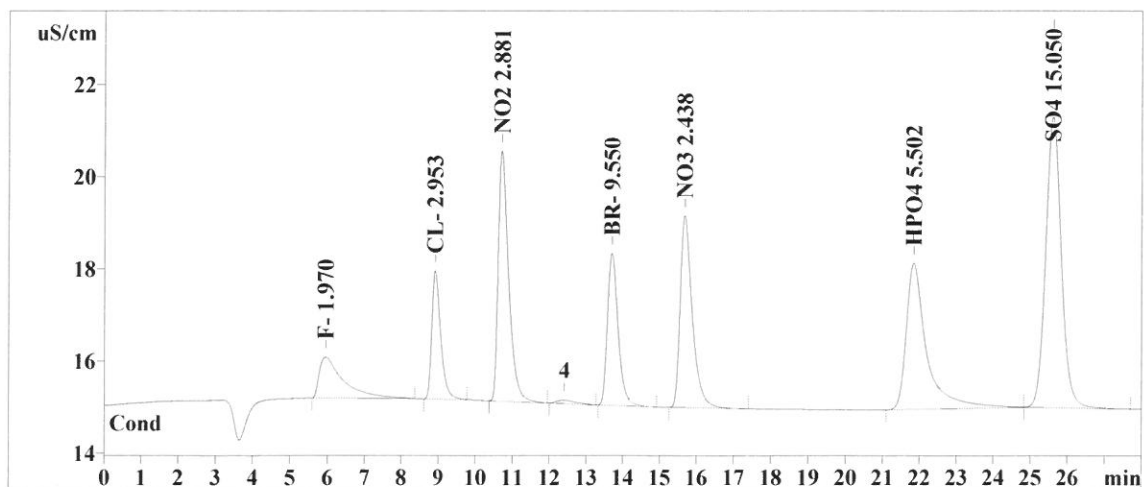
Ident: CCV  
Analysis from: 5/30/2018 5:24:10 PM  
File: \_2018-05-30\_

Last save: 5/30/2018 5:51:58 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62386

Last save: 5/30/2018 5:51:38 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             | 0.609          | 0.89            | 3.40        | 40.127            | 6.03      | 0. |
| 2  | 8.91             | 0.254          | 2.78            | 10.64       | 47.455            | 7.13      | 0. |
| 3  | 10.72            | 0.284          | 5.43            | 20.79       | 104.804           | 15.74     | 0. |
| 4  | 13.70            | 0.304          | 3.30            | 12.64       | 67.028            | 10.06     | 0. |
| 5  | 15.67            | 0.335          | 4.17            | 15.94       | 95.265            | 14.30     | 0. |
| 6  | 21.84            | 0.497          | 3.17            | 12.15       | 122.640           | 18.41     | 0. |
| 7  | 25.60            | 0.443          | 6.31            | 24.14       | 186.034           | 27.93     | 0. |
| 7  | 28.00            | 0.389          | 26.05           | 99.70       | 663.354           | 99.60     | 0. |

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Report date: 5/31/2018 10:21:08 AM  
Printed by: wet

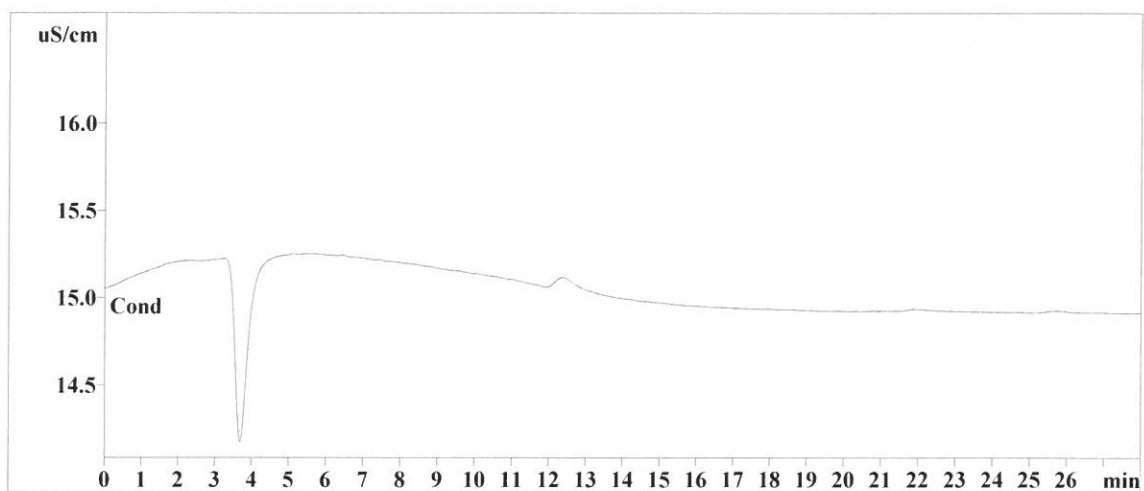
Ident: CCB  
Analysis from: 5/30/2018 5:55:22 PM  
File: \_2018-05-30\_

Last save: 5/30/2018 6:23:12 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62387

Last save: 5/30/2018 5:51:38 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: 5/31/2018 10:23:02 AM  
Printed by: wet

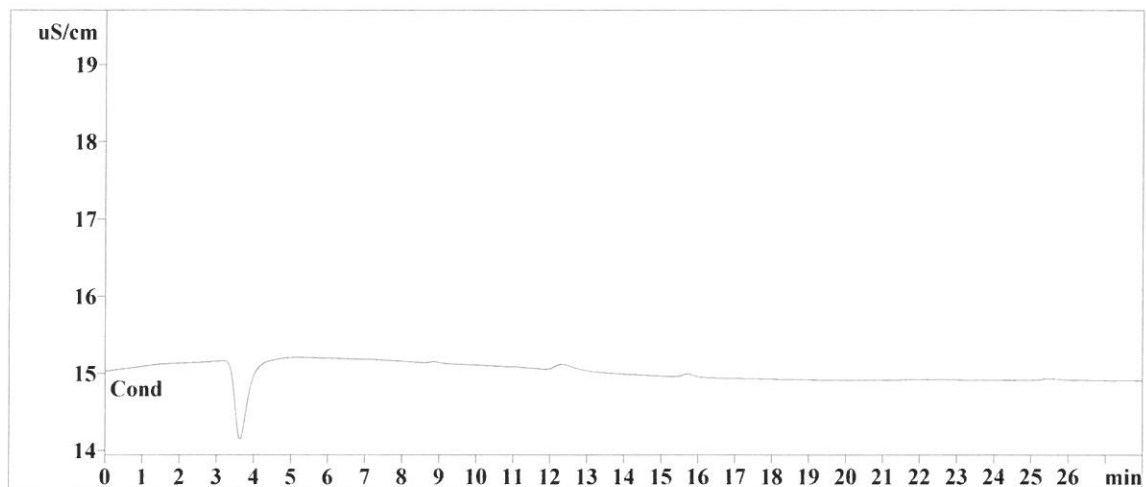
Ident: J3204-01  
Analysis from: 5/30/2018 6:26:17 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:23:02 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62388

Last save: 5/30/2018 5:51:38 PM

SAMPLE:  
: AK/AP  
Vial number: 53  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 5/31/2018 10:23:38 AM  
Printed by: wet

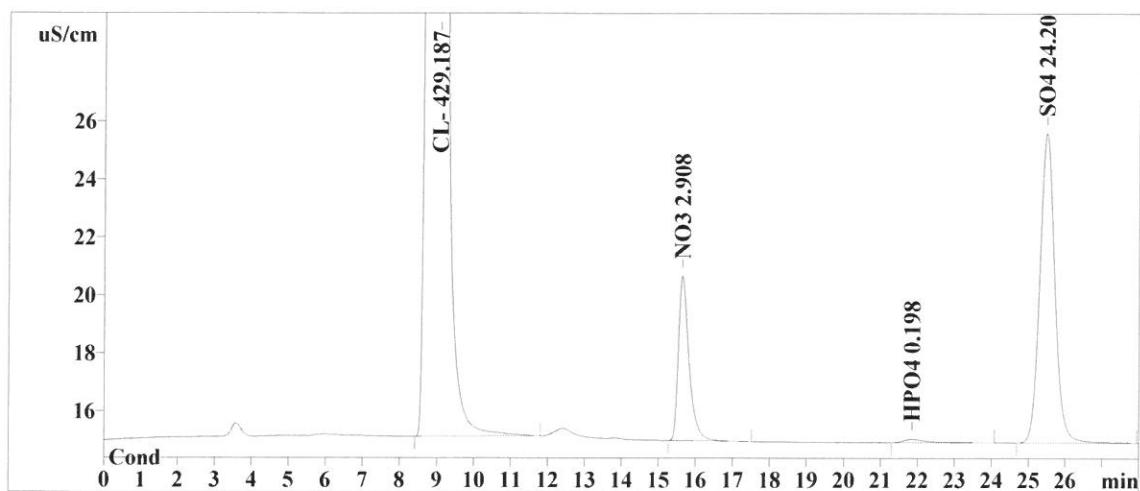
Ident: J3201-04DUP  
Analysis from: 5/30/2018 6:57:13 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:23:38 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62389

Last save: 5/30/2018 5:51:38 PM

SAMPLE: 5.01g  
: 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          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 9.07             | 0.332          | 350.67          | 95.48       | 7189.541          | 94.41     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 15.64            | 0.293          | 5.67            | 1.54        | 114.522           | 1.50      | 0. |
| 6  | 21.85            | 0.557          | 0.12            | 0.03        | 5.396             | 0.07      | 0. |
| 7  | 25.48            | 0.428          | 10.68           | 2.91        | 305.658           | 4.01      | 0. |
| 7  | 28.00            | 0.230          | 367.14          | 99.97       | 7615.116          | 100.00    | 0. |

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Report date: 5/31/2018 10:23:57 AM  
Printed by: wet

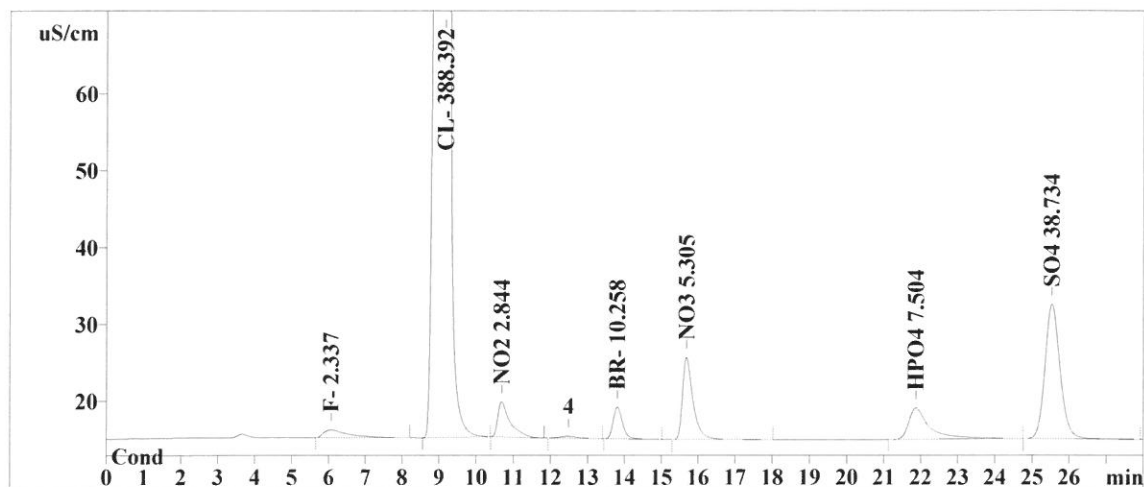
Ident: J3201-04MS  
Analysis from: 5/30/2018 7:28:07 PM  
File: \_2018-05-30\_

Last save: 5/30/2018 7:55:56 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62390

Last save: 5/30/2018 5:51:38 PM

SAMPLE: 5.01g  
: 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  | 6.06             | 0.667          | 1.00            | 0.27        | 48.108            | 0.63      | 0. |
| 2  | 9.16             | 0.318          | 330.17          | 88.63       | 6505.972          | 85.46     | 0. |
| 3  | 10.69            | 0.299          | 4.58            | 1.23        | 103.386           | 1.36      | 0. |
| 4  | 13.81            | 0.262          | 4.11            | 1.10        | 72.199            | 0.95      | 0. |
| 5  | 15.68            | 0.289          | 10.65           | 2.86        | 212.605           | 2.79      | 0. |
| 6  | 21.87            | 0.498          | 4.11            | 1.10        | 166.871           | 2.19      | 0. |
| 7  | 25.53            | 0.425          | 17.49           | 4.70        | 495.366           | 6.51      | 0. |
| 7  | 28.00            | 0.394          | 372.12          | 99.89       | 7604.507          | 99.89     | 0. |

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Report date: 5/31/2018 10:24:11 AM  
Printed by: wet

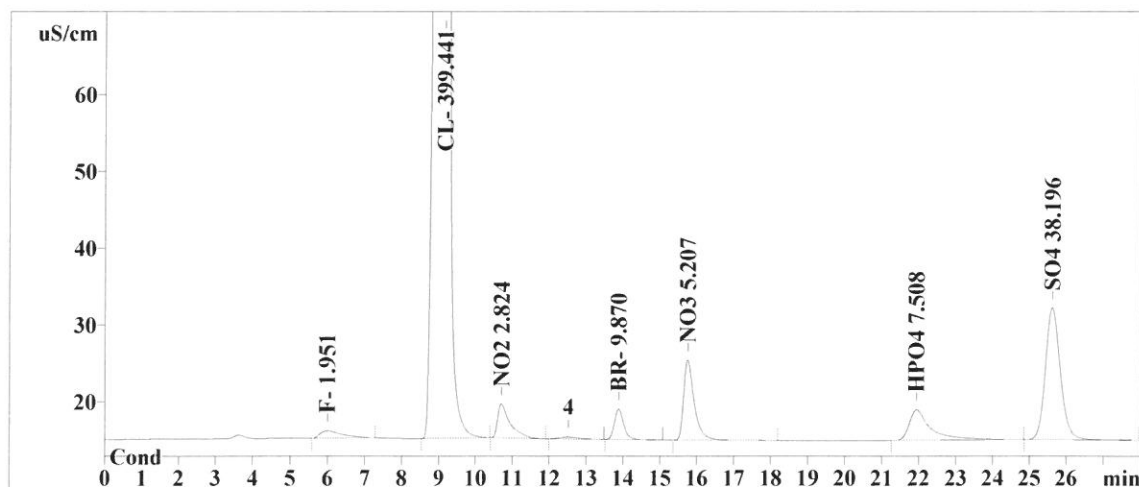
Ident: J3201-04MSD  
Analysis from: 5/30/2018 7:59:02 PM  
File: \_2018-05-30\_

Last save: 5/30/2018 8:26:52 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62391

Last save: 5/30/2018 5:51:38 PM

SAMPLE: 5.01g  
: AK/AP  
Vial number: 52  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 6.00             | 0.628          | 0.95            | 0.26        | 39.708            | 0.51      | 0. |
| 2  | 9.16             | 0.327          | 330.70          | 88.93       | 6691.112          | 86.06     | 0. |
| 3  | 10.71            | 0.308          | 4.42            | 1.19        | 102.623           | 1.32      | 0. |
| 4  | 13.88            | 0.262          | 3.94            | 1.06        | 69.371            | 0.89      | 0. |
| 5  | 15.75            | 0.290          | 10.39           | 2.79        | 208.599           | 2.68      | 0. |
| 6  | 21.94            | 0.512          | 3.99            | 1.07        | 166.960           | 2.15      | 0. |
| 7  | 25.62            | 0.426          | 17.18           | 4.62        | 488.343           | 6.28      | 0. |
| 7  | 28.00            | 0.393          | 371.58          | 99.92       | 7766.715          | 99.89     | 0. |

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Report date: 5/31/2018 10:25:15 AM  
Printed by: wet

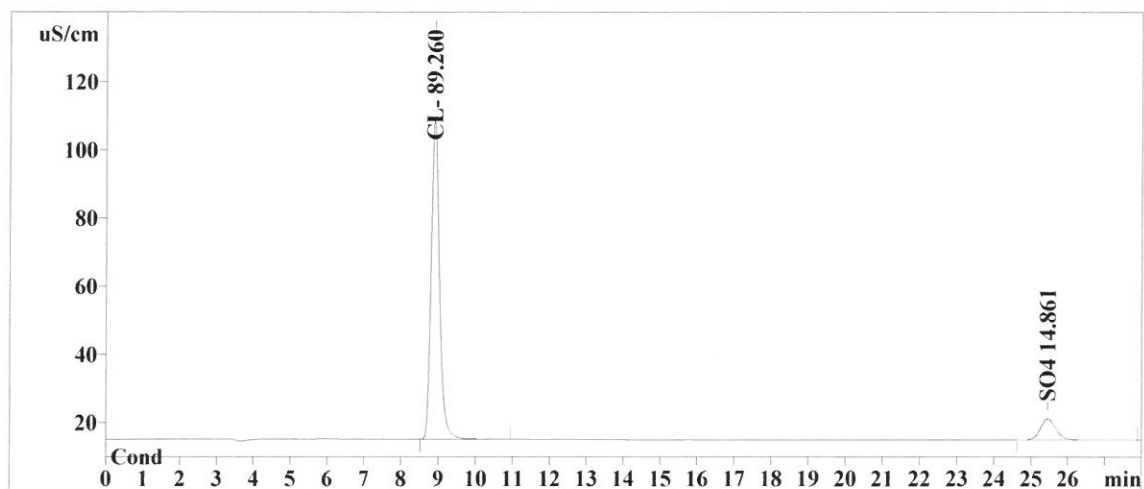
Ident: J3201-08DLX5  
Analysis from: 5/30/2018 8:29:57 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:25:10 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62392

Last save: 5/30/2018 5:51:38 PM

SAMPLE: 5.01g  
: AK/AP  
Vial number: 54  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.89             | 0.237          | 94.15           | 93.80       | 1493.626          | 89.06     | 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  | 25.45            | 0.442          | 6.21            | 6.19        | 183.559           | 10.94     | 0. |
| 7  | 28.00            | 0.097          | 100.37          | 100.00      | 1677.186          | 100.00    | 0. |

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Report date: 5/31/2018 10:26:01 AM  
Printed by: wet

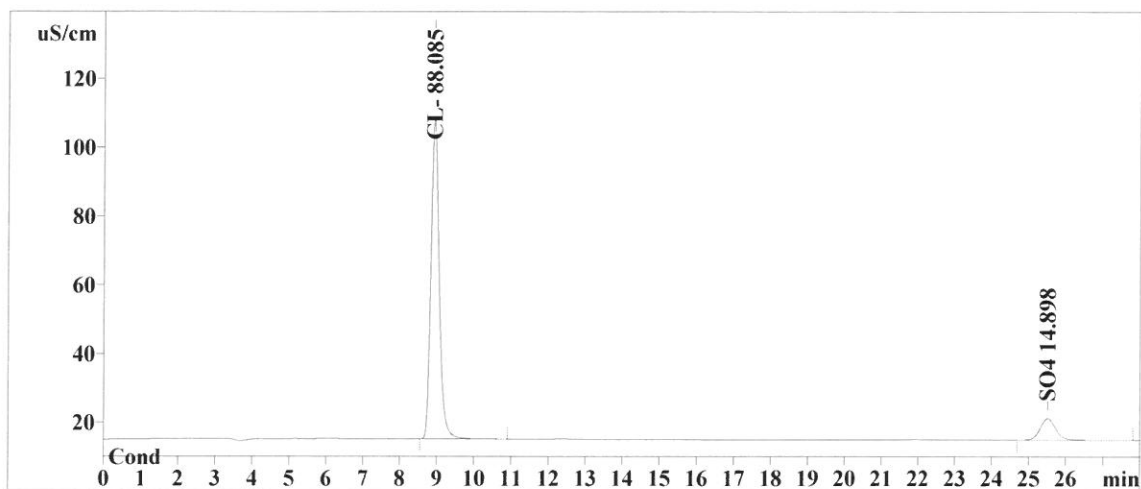
Ident: J3201-02DLX5  
Analysis from: 5/30/2018 9:00:52 PM  
File: \_2018-05-30\_

Last save: 5/31/2018 10:26:00 AM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62393

Last save: 5/30/2018 5:51:38 PM

SAMPLE: 5.01g  
: AK/AP  
Vial number: 55  
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  | 8.92             | 0.236          | 93.44           | 93.74       | 1473.948          | 88.90     | 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  | 25.51            | 0.443          | 6.24            | 6.26        | 184.043           | 11.10     | 0. |
| 7  | 28.00            | 0.097          | 99.68           | 100.00      | 1657.991          | 100.00    | 0. |

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Report date: 5/31/2018 10:27:02 AM  
 Printed by: wet

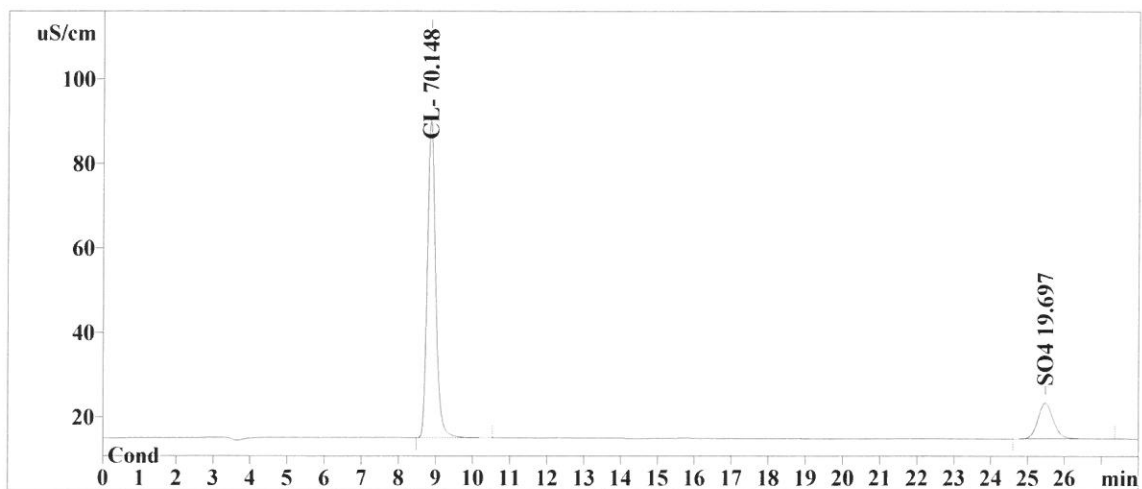
Ident: J3201-05DLX10  
 Analysis from: 5/30/2018 9:31:47 PM  
 File: \_2018-05-30\_

Last save: 5/31/2018 10:27:02 AM

Method: ANIONS 05-14-18.mtw  
 Run operator: wet  
 Analysis number: 62394

Last save: 5/30/2018 5:51:38 PM

SAMPLE: 5.01g  
 : AK/AP  
 Vial number: 56  
 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  | 8.85             | 0.231          | 75.78           | 89.96       | 1173.393          | 82.63     | 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  | 25.47            | 0.437          | 8.46            | 10.05       | 246.728           | 17.37     | 0. |
| 7  | 28.00            | 0.095          | 84.24           | 100.01      | 1420.121          | 100.00    | 0. |

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Report date: 5/31/2018 10:27:16 AM  
Printed by: wet

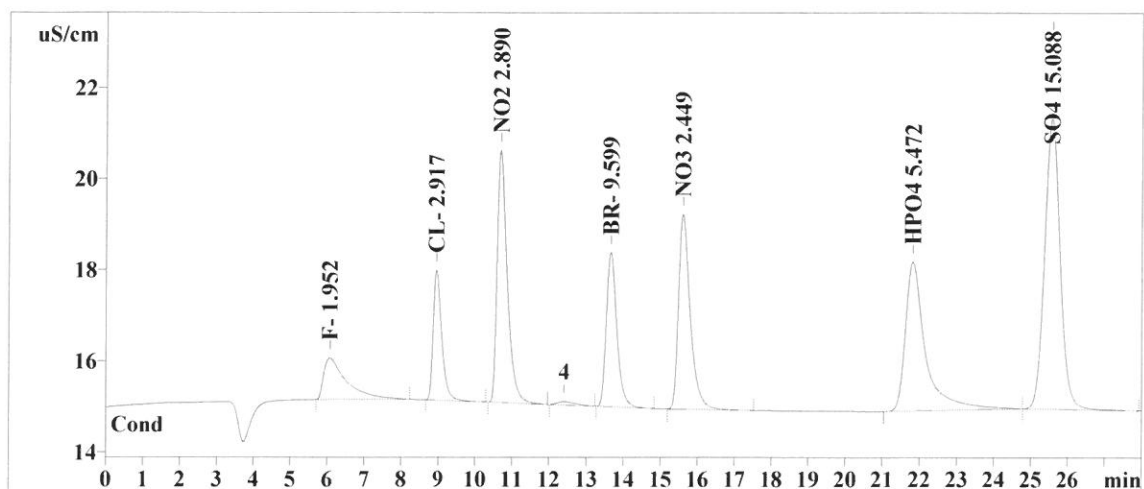
Ident: CCV  
Analysis from: 5/30/2018 10:02:42 PM  
File: \_2018-05-30\_

Last save: 5/30/2018 10:30:32 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62395

Last save: 5/30/2018 5:51:38 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  | 6.07             | 0.591          | 0.91            | 3.42        | 39.740            | 5.97      | 0. |
| 2  | 8.95             | 0.243          | 2.85            | 10.69       | 46.848            | 7.03      | 0. |
| 3  | 10.69            | 0.280          | 5.53            | 20.74       | 105.148           | 15.79     | 0. |
| 4  | 13.66            | 0.299          | 3.38            | 12.69       | 67.387            | 10.12     | 0. |
| 5  | 15.59            | 0.328          | 4.28            | 16.04       | 95.748            | 14.38     | 0. |
| 6  | 21.81            | 0.477          | 3.26            | 12.24       | 121.970           | 18.31     | 0. |
| 7  | 25.56            | 0.441          | 6.36            | 23.87       | 186.527           | 28.01     | 0. |
| 7  | 28.00            | 0.380          | 26.58           | 99.71       | 663.368           | 99.61     | 0. |

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Report date: 5/31/2018 10:27:25 AM  
Printed by: wet

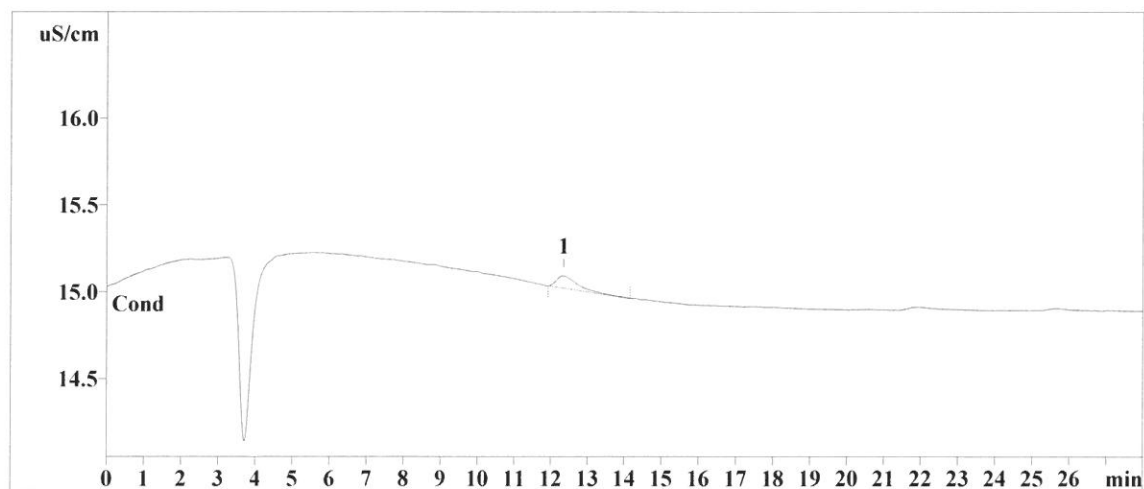
Ident: CCB  
Analysis from: 5/30/2018 10:33:37 PM  
File: \_2018-05-30\_

Last save: 5/30/2018 11:01:26 PM

Method: ANIONS 05-14-18.mtw  
Run operator: wet  
Analysis number: 62396

Last save: 5/30/2018 5:51:38 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 28.00            | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |

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