

Clear table

IC-1 3000  
AC 11/13/17

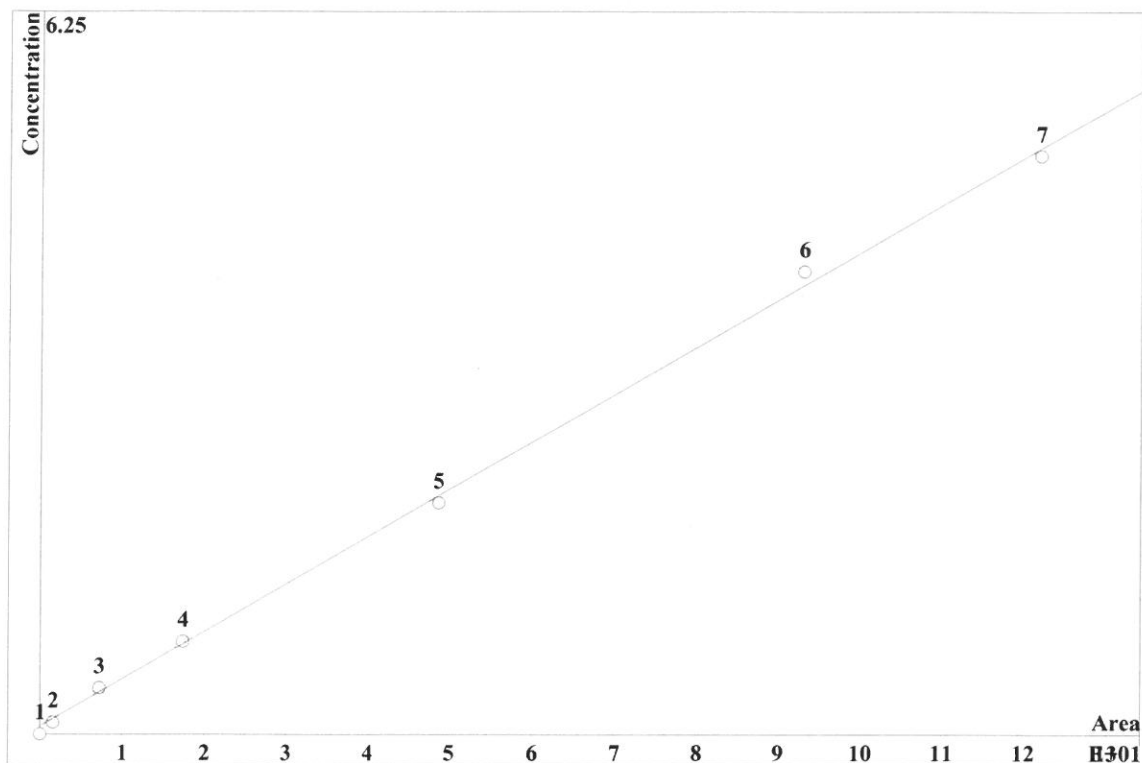
| ident       | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name   | date time     |
|-------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------|---------------|
| STD1        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-07_ | 11/7/17 10:52 |
| STD2        | 0.1360               | 0.2220                | 0.2220                | 0.6750                | 0.2000                | 0.2310                 | 1.3130                | 2017-11-07_ | 11/7/17 11:21 |
| STD3        | 0.3660               | 0.6240                | 0.6330                | 2.0500                | 0.5360                | 1.0700                 | 3.1920                | 2017-11-07_ | 11/7/17 11:50 |
| STD4        | 0.7820               | 1.1950                | 1.1870                | 4.0000                | 0.9910                | 2.0910                 | 5.8600                | 2017-11-07_ | 11/7/17 12:19 |
| STD5        | 2.0660               | 2.8870                | 2.8820                | 9.7290                | 2.3730                | 4.8990                 | 14.1690               | 2017-11-07_ | 11/7/17 12:47 |
| STD6        | 3.8820               | 5.9210                | 5.9270                | 19.7720               | 4.9210                | 9.7470                 | 29.6400               | 2017-11-07_ | 11/7/17 13:16 |
| STD7        | 5.0680               | 7.6010                | 7.5990                | 25.2740               | 6.3540                | 12.7130                | 38.0750               | 2017-11-07_ | 11/7/17 13:45 |
| ICV         | 2.0800               | 2.9600                | 2.9260                | 9.9260                | 2.4050                | 5.1790                 | 14.2390               | 2017-11-07_ | 11/7/17 15:12 |
| ICB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-07_ | 11/7/17 15:42 |
| CCV         | 2.0500               | 2.9050                | 2.8930                | 9.6630                | 2.3940                | 5.1930                 | 14.2550               | 2017-11-07_ | 11/7/17 18:35 |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-07_ | 11/7/17 19:04 |
| LB91426BLW  | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-07_ | 11/7/17 19:33 |
| LB91426BSW  | 2.1880               | 3.0440                | 2.8980                | 9.8090                | 2.4150                | 5.4540                 | 14.3070               | 2017-11-07_ | 11/7/17 20:02 |
| I6332-01    | 0.0000               | 2.0550                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.0850                | 2017-11-07_ | 11/7/17 20:31 |
| I6332-05    | 0.1480               | 4.4510                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 12.7430               | 2017-11-07_ | 11/7/17 21:00 |
| I6332-06    | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-07_ | 11/7/17 21:29 |
| I6332-07    | 0.0000               | 2.0410                | 0.0000                | 1.2710                | 0.0000                | 0.0000                 | 1.2470                | 2017-11-07_ | 11/7/17 21:58 |
| I6332-01DUP | 0.0000               | 2.0120                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 1.1150                | 2017-11-07_ | 11/7/17 22:27 |
| I6332-02MS  | 2.7550               | 4.9280                | 2.8900                | 10.5650               | 2.3870                | 5.2630                 | 14.9110               | 2017-11-07_ | 11/7/17 22:56 |
| I6332-03MSD | 2.7030               | 4.9710                | 3.0330                | 11.1150               | 2.5220                | 5.6690                 | 15.5640               | 2017-11-07_ | 11/7/17 23:25 |
| CCV         | 2.0890               | 2.9290                | 2.9050                | 9.8680                | 2.4190                | 5.0070                 | 14.3430               | 2017-11-07_ | 11/7/17 23:54 |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-08_ | 11/8/17 0:23  |
| I6366-01    | 0.0000               | 2.2200                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 2908.6080             | 2017-11-08_ | 11/8/17 0:51  |
| I6366-02    | 0.0000               | 3.6790                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 2760.0620             | 2017-11-08_ | 11/8/17 1:20  |
| I6366-03    | 0.0000               | 2.6980                | 0.0000                | 1.1780                | 0.0000                | 0.0000                 | 15.2220               | 2017-11-08_ | 11/8/17 1:49  |
| I6366-04    | 0.0000               | 2.1440                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 58.9920               | 2017-11-08_ | 11/8/17 2:18  |
| I6366-05    | 0.0000               | 5.9560                | 0.0000                | 0.0000                | 0.3510                | 0.0000                 | 7.3500                | 2017-11-08_ | 11/8/17 2:47  |
| CCV         | 2.1910               | 2.9490                | 2.9320                | 10.3160               | 2.4510                | 3.0200                 | 14.0530               | 2017-11-08_ | 11/8/17 3:16  |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-11-08_ | 11/8/17 3:45  |

|                |        |        |        |         |        |        |         |            |  |               |
|----------------|--------|--------|--------|---------|--------|--------|---------|------------|--|---------------|
| CCV            | 2.0320 | 2.9340 | 2.8720 | 10.1260 | 2.4080 | 4.0080 | 14.0940 | 2017-11-08 |  | 11/8/17 9:37  |
| CCB            | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000  | 2017-11-08 |  | 11/8/17 10:06 |
| LB91426BLW2    | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000  | 2017-11-08 |  | 11/8/17 10:35 |
| LB91426BSW3    | 2.1510 | 2.9500 | 2.8810 | 9.9310  | 2.4090 | 4.6200 | 14.2450 | 2017-11-08 |  | 11/8/17 11:04 |
| I6366-01DLX10C | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 20.8730 | 2017-11-08 |  | 11/8/17 11:33 |
| I6366-02DLX10C | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 19.6100 | 2017-11-08 |  | 11/8/17 12:02 |
| I6366-04DLX2   | 0.0000 | 1.0700 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 27.8150 | 2017-11-08 |  | 11/8/17 12:31 |
| CCV            | 2.0190 | 2.9800 | 2.9760 | 10.2330 | 2.4900 | 4.7150 | 14.0190 | 2017-11-08 |  | 11/8/17 13:00 |
| CCB            | 0.0000 | 0.0000 | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000  | 2017-11-08 |  | 11/8/17 13:29 |

IC-1  
11-7-17

# CALIBRATION OF COMPONENT F-

Method: ANIONS 11-07-17.mtw  
Equation:  $Q = 0.819457 \cdot A + 1.42104$   
RSD: 3.908 %  
Correlation coefficient: 0.999377

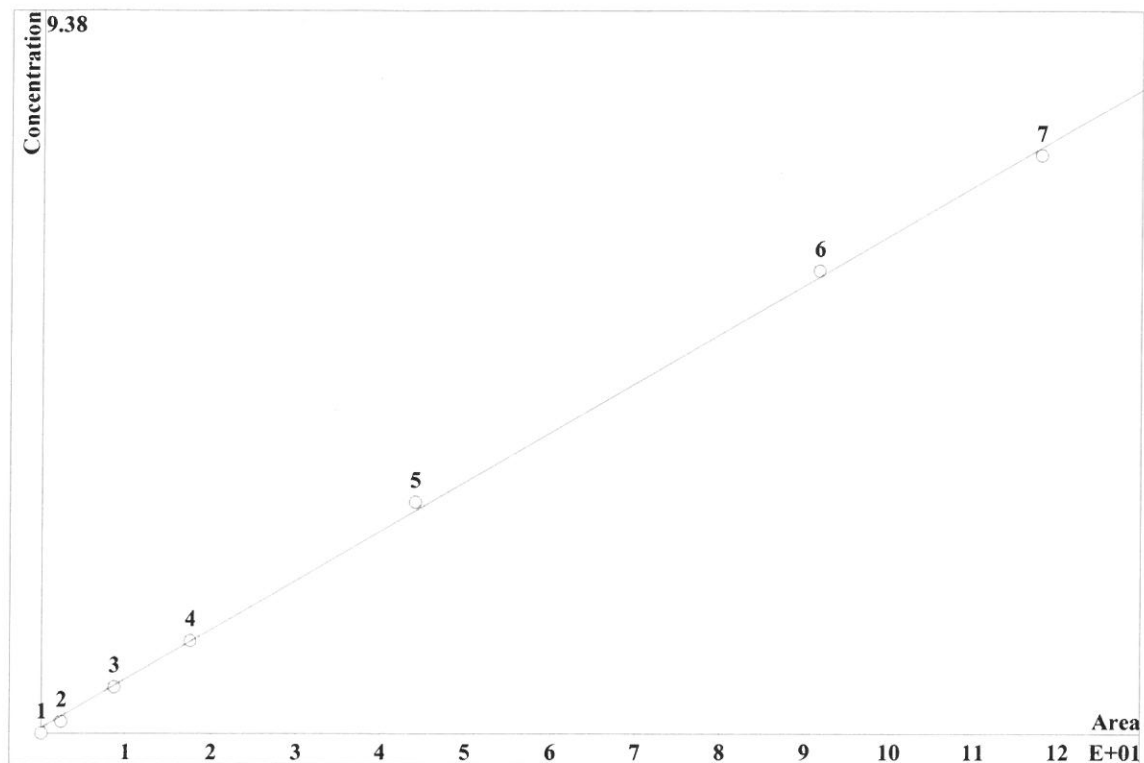


K3 = 0      K2 = 0      K1 = 0.819457      K0 = 1.42104  
Base: Area  
Ref.channel: Cond  
ISTD:  
Formula: Linear  
Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|---------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0       | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.07343 | 1.592 | 0.1   | 20      | 5.813     |      |      | Yes |
| 3     | 0.3207  | 7.191 | 0.4   | 20      | 5.813     |      |      | Yes |
| 4     | 0.7101  | 17.36 | 0.8   | 20      | 5.813     |      |      | Yes |
| 5     | 1.967   | 48.69 | 2     | 20      | 5.813     |      |      | Yes |
| 6     | 4.157   | 93.01 | 4     | 20      | 5.813     |      |      | Yes |
| 7     | 5.374   | 122   | 5     | 20      | 5.813     |      |      | Yes |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 11-07-17.mtw  
 Equation:  $Q = 1.2773 \cdot A + 1.44306$   
 RSD: 3.042 %  
 Correlation coefficient: 0.999622



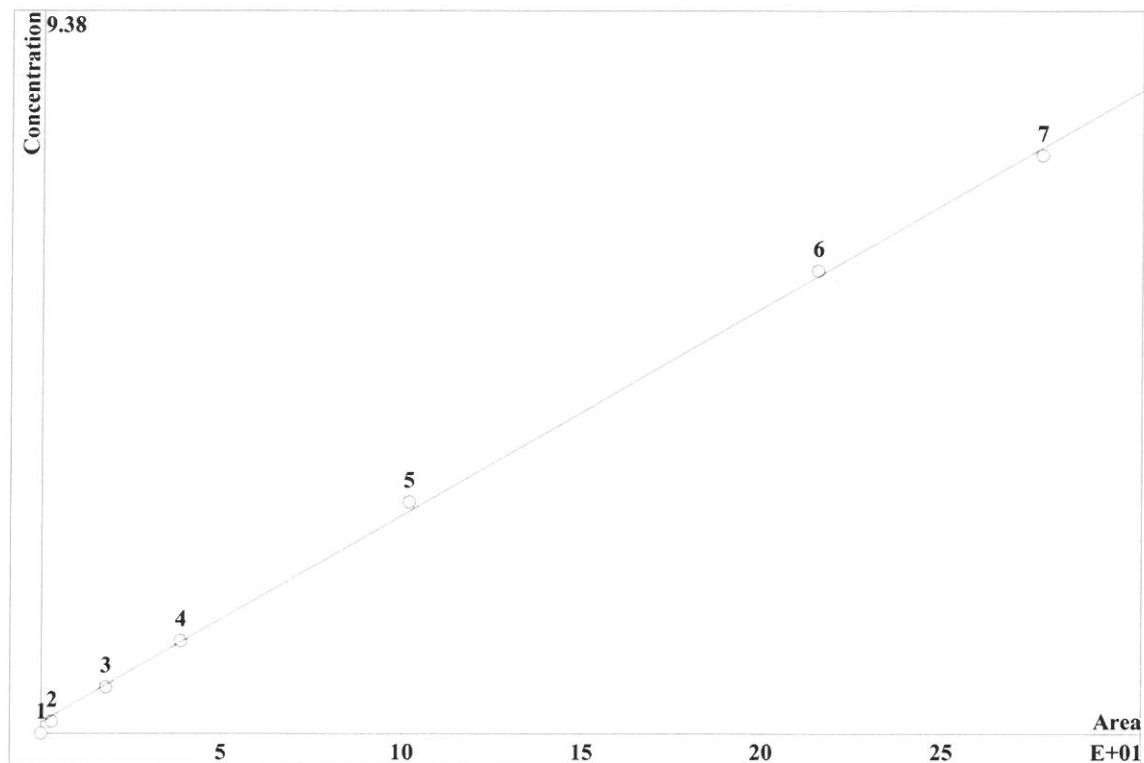
K3 = 0      K2 = 0      K1 = 1.2773      K0 = 1.44306

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     | 0.1097 | 2.353 | 0.15  | 20      | 8.549     | Yes  |      |
| 3     | 0.4266 | 8.634 | 0.6   | 20      | 8.549     | Yes  |      |
| 4     | 0.8682 | 17.58 | 1.2   | 20      | 8.549     | Yes  |      |
| 5     | 2.234  | 44.08 | 3     | 20      | 8.549     | Yes  |      |
| 6     | 4.66   | 91.58 | 6     | 20      | 8.549     | Yes  |      |
| 7     | 6.038  | 117.9 | 7.5   | 20      | 8.549     | Yes  |      |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 11-07-17.mtw  
 Equation:  $Q = 0.537123 \cdot A + 2.86869$   
 RSD: 3.067 %  
 Correlation coefficient: 0.999616



K3 = 0 K2 = 0 K1 = 0.537123 K0 = 2.86869

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

Weight: 1

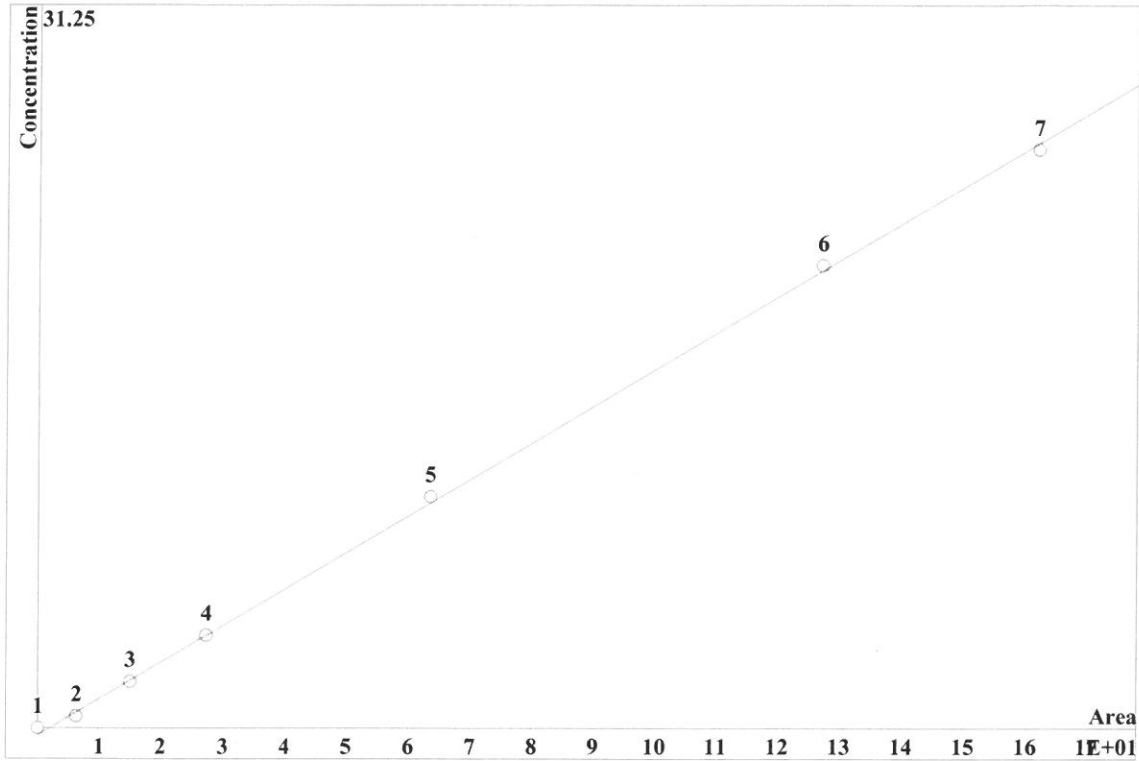
| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|------|-------|---------|-----------|------|------|
|-------|--------|------|-------|---------|-----------|------|------|

|   |        |       |      |    |       |     |
|---|--------|-------|------|----|-------|-----|
| 1 | 0      | 0     | 0    | 0  | 0     | No  |
| 2 | 0.1323 | 2.94  | 0.15 | 20 | 10.12 | Yes |
| 3 | 0.799  | 18.22 | 0.6  | 20 | 10.12 | Yes |
| 4 | 1.755  | 38.86 | 1.2  | 20 | 10.12 | Yes |
| 5 | 4.717  | 102   | 3    | 20 | 10.12 | Yes |
| 6 | 9.969  | 215.3 | 6    | 20 | 10.12 | Yes |
| 7 | 12.89  | 277.6 | 7.5  | 20 | 10.12 | Yes |

± 0.5

CALIBRATION OF COMPONENT BR-

Method: ANIONS 11-07-17.mtw  
 Equation:  $Q = 3.1596 \cdot A - 6.4044$   
 RSD: 2.359 %  
 Correlation coefficient: 0.999773

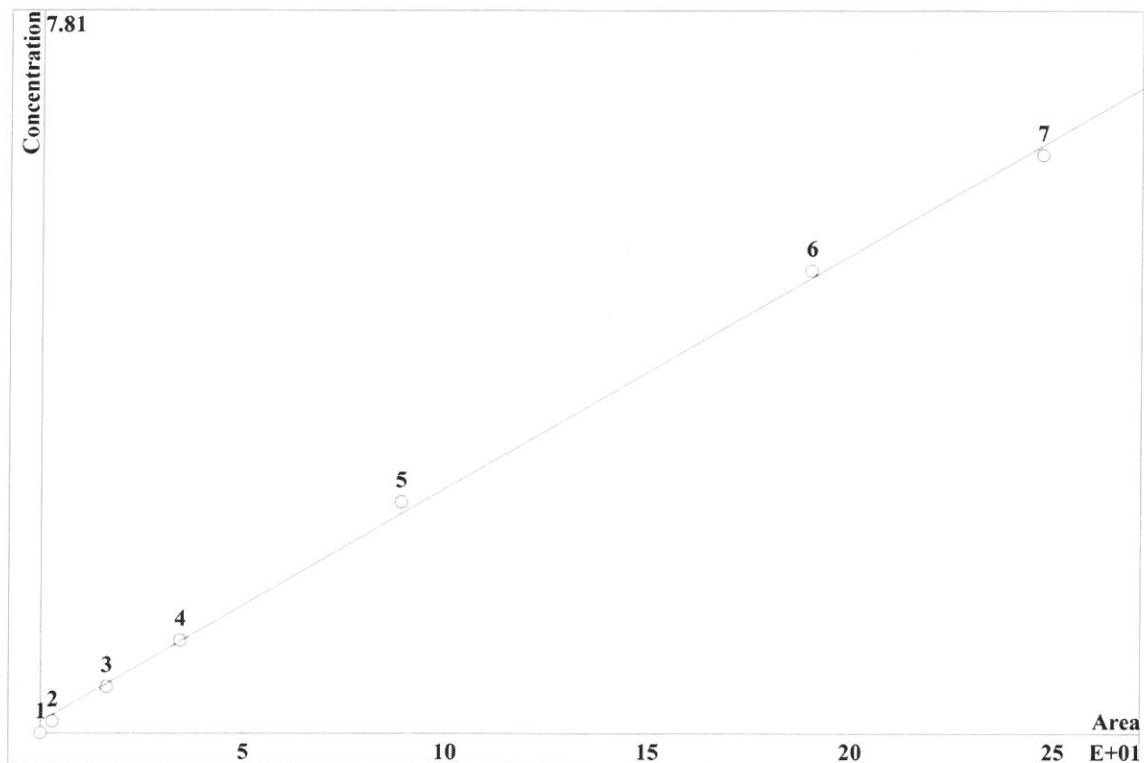


K3 = 0      K2 = 0      K1 = 3.1596      K0 = -6.4044  
 Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |    |
|-------|--------|-------|-------|---------|-----------|------|------|----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No |
| 2     | 0.1535 | 6.297 | 0.5   | 20      | 12.77     | Yes  |      |    |
| 3     | 0.3456 | 15.01 | 2     | 20      | 12.77     | Yes  |      |    |
| 4     | 0.5962 | 27.35 | 4     | 20      | 12.77     | Yes  |      |    |
| 5     | 1.283  | 63.61 | 10    | 20      | 12.77     | Yes  |      |    |
| 6     | 2.416  | 127.2 | 20    | 20      | 12.77     | Yes  |      |    |
| 7     | 3.12   | 162   | 25    | 20      | 12.77     | Yes  |      |    |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 11-07-17.mtw  
 Equation:  $Q = 0.504527 \cdot A + 2.51032$   
 RSD: 3.915 %  
 Correlation coefficient: 0.999374



K3 = 0      K2 = 0      K1 = 0.504527      K0 = 2.51032

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

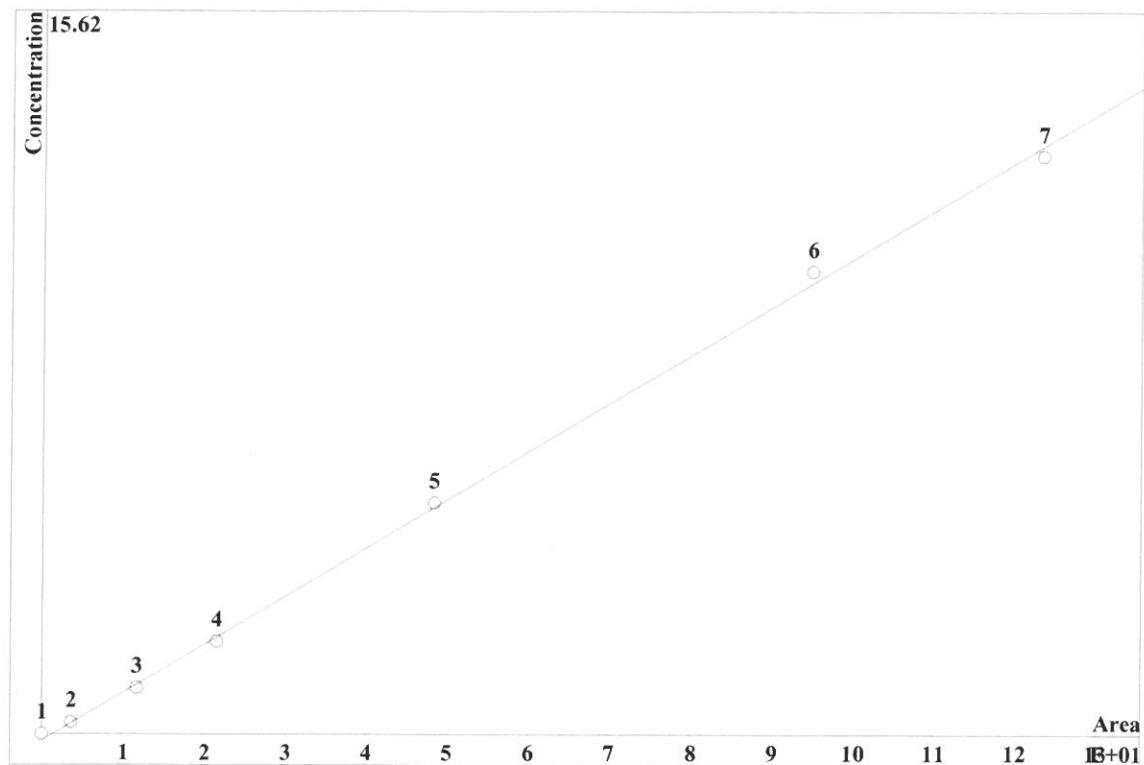
Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File  |     |
|-------|--------|-------|-------|---------|-----------|------|-------|-----|
| 1     | 0      |       | 0     | 0       | 0         |      | 0     | No  |
| 2     | 0.1104 | 2.955 |       | 0.125   | 20        |      | 14.38 | Yes |
| 3     | 0.5883 | 16.26 |       | 0.5     | 20        |      | 14.38 | Yes |
| 4     | 1.237  | 34.29 |       | 1       | 20        |      | 14.38 | Yes |
| 5     | 3.226  | 89.09 |       | 2.5     | 20        |      | 14.38 | Yes |
| 6     | 6.81   | 190.1 |       | 5       | 20        |      | 14.38 | Yes |
| 7     | 8.83   | 246.9 |       | 6.25    | 20        |      | 14.38 | Yes |

±□; \$

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 11-07-17.mtw  
 Equation:  $Q = 2.08565 \cdot A - 2.85147$   
 RSD: 3.558 %  
 Correlation coefficient: 0.999483



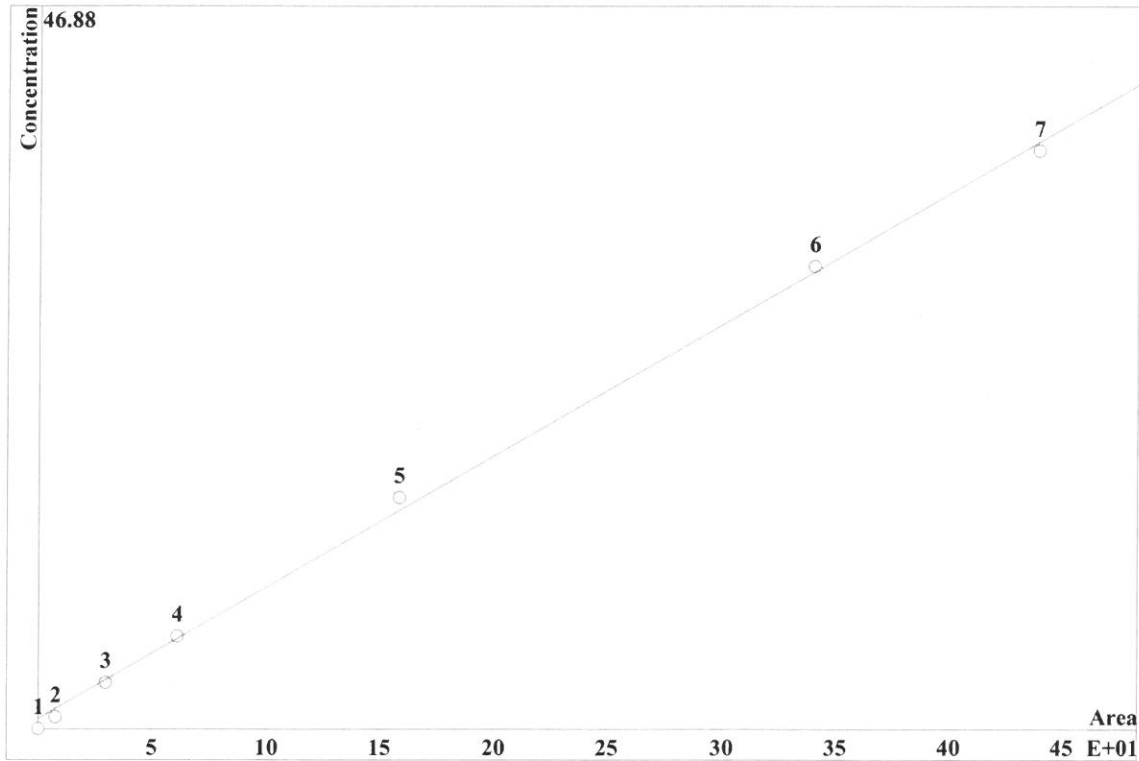
K3 = 0      K2 = 0      K1 = 2.08565      K0 = -2.85147

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     | 0.05749 | 3.582 | 0.25  | 20      | 21.58     | Yes  |      |
| 3     | 0.1884  | 11.62 | 1     | 20      | 21.58     | Yes  |      |
| 4     | 0.3605  | 21.42 | 2     | 20      | 21.58     | Yes  |      |
| 5     | 0.8357  | 48.35 | 5     | 20      | 21.58     | Yes  |      |
| 6     | 1.692   | 94.83 | 10    | 20      | 21.58     | Yes  |      |
| 7     | 2.228   | 123.3 | 12.5  | 20      | 21.58     | Yes  |      |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 11-07-17.mtw  
 Equation:  $Q = 1.70296 \cdot A + 13.3401$   
 RSD: 4.016 %  
 Correlation coefficient: 0.999342



K3 = 0      K2 = 0      K1 = 1.70296      K0 = 13.3401  
 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     | 0.1431 | 7.59  | 0.75  | 20      | 24.1      |      |      | Yes |
| 3     | 0.5647 | 29.65 | 3     | 20      | 24.1      |      |      | Yes |
| 4     | 1.162  | 60.99 | 6     | 20      | 24.1      |      |      | Yes |
| 5     | 3.047  | 158.6 | 15    | 20      | 24.1      |      |      | Yes |
| 6     | 6.585  | 340.3 | 30    | 20      | 24.1      |      |      | Yes |
| 7     | 8.64   | 439.3 | 37.5  | 20      | 24.1      |      |      | Yes |

Report date: 11/9/2017 3:54:41 PM  
Printed by: wet

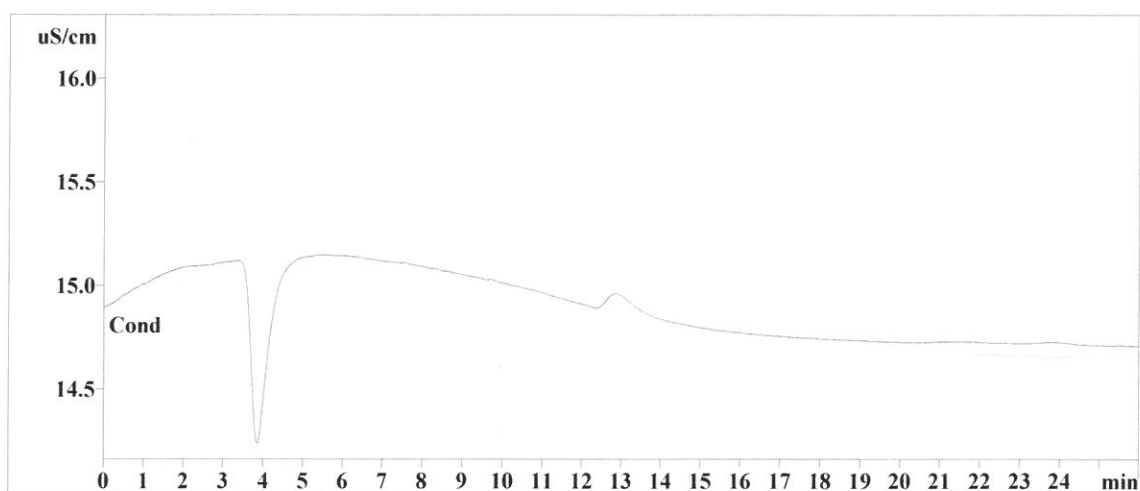
Ident: STD1  
Analysis from: 11/7/2017 10:52:17 AM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:53:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59844

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AP/AK  
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: 11/9/2017 3:54:48 PM  
Printed by: wet

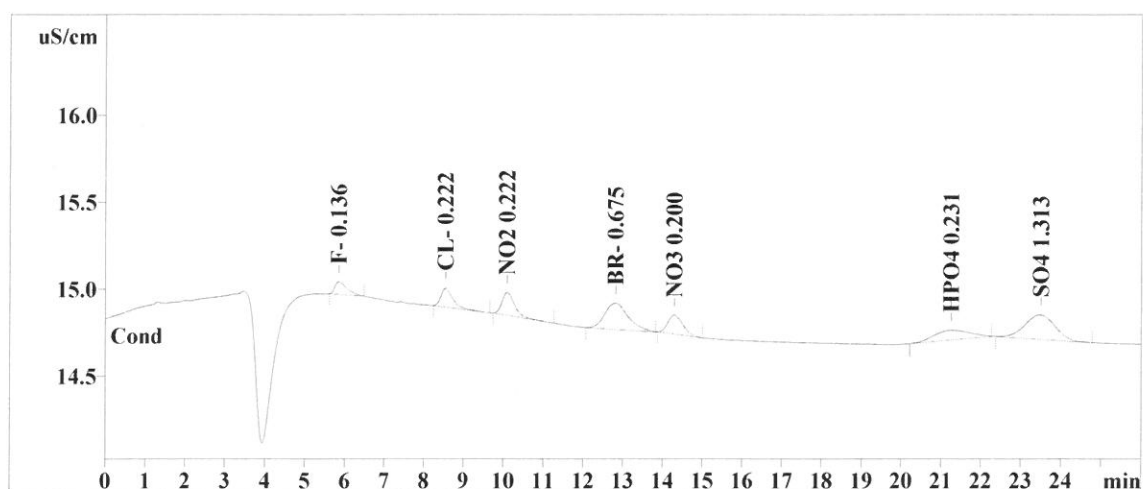
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Analysis from: 11/7/2017 11:21:12 AM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:53:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59845

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.85             | 0.330          | 0.07            | 9.34        | 1.592             | 5.83      | 0. |
| 2  | 8.55             | 0.312          | 0.11            | 13.98       | 2.353             | 8.62      | 0. |
| 3  | 10.10            | 0.320          | 0.13            | 16.91       | 2.940             | 10.77     | 0. |
| 4  | 12.82            | 0.623          | 0.15            | 19.56       | 6.297             | 23.06     | 0. |
| 5  | 14.30            | 0.418          | 0.11            | 14.09       | 2.955             | 10.82     | 0. |
| 6  | 21.23            | 1.030          | 0.06            | 7.25        | 3.582             | 13.11     | 0. |
| 7  | 23.50            | 0.828          | 0.14            | 18.21       | 7.590             | 27.79     | 0. |
| 7  | 26.00            | 0.551          | 0.77            | 99.34       | 27.309            | 100.00    | 0. |

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Report date: 11/9/2017 3:54:54 PM  
Printed by: wet

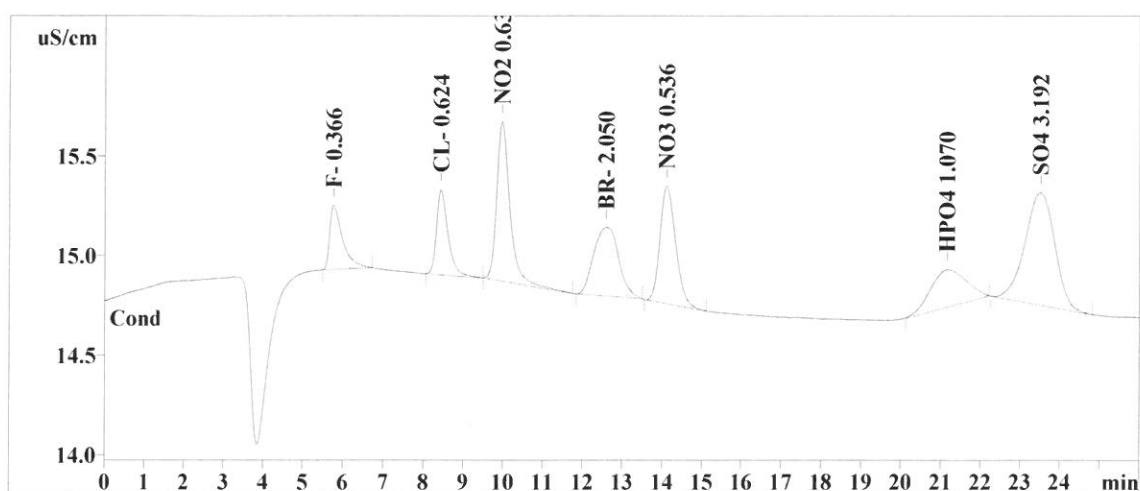
Ident: STD3  
Analysis from: 11/7/2017 11:50:08 AM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:53:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59846

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.77             | 0.318          | 0.32            | 9.91        | 7.191             | 6.75      | 0. |
| 2  | 8.44             | 0.293          | 0.43            | 13.16       | 8.634             | 8.10      | 0. |
| 3  | 9.97             | 0.320          | 0.80            | 24.69       | 18.218            | 17.09     | 0. |
| 4  | 12.60            | 0.692          | 0.34            | 10.66       | 15.006            | 14.08     | 0. |
| 5  | 14.11            | 0.422          | 0.59            | 18.18       | 16.260            | 15.26     | 0. |
| 6  | 21.14            | 1.009          | 0.19            | 5.81        | 11.623            | 10.90     | 0. |
| 7  | 23.51            | 0.813          | 0.56            | 17.45       | 29.652            | 27.82     | 0. |
| 7  | 26.00            | 0.553          | 3.23            | 99.86       | 106.585           | 100.00    | 0. |

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Report date: 11/9/2017 3:55:01 PM  
Printed by: wet

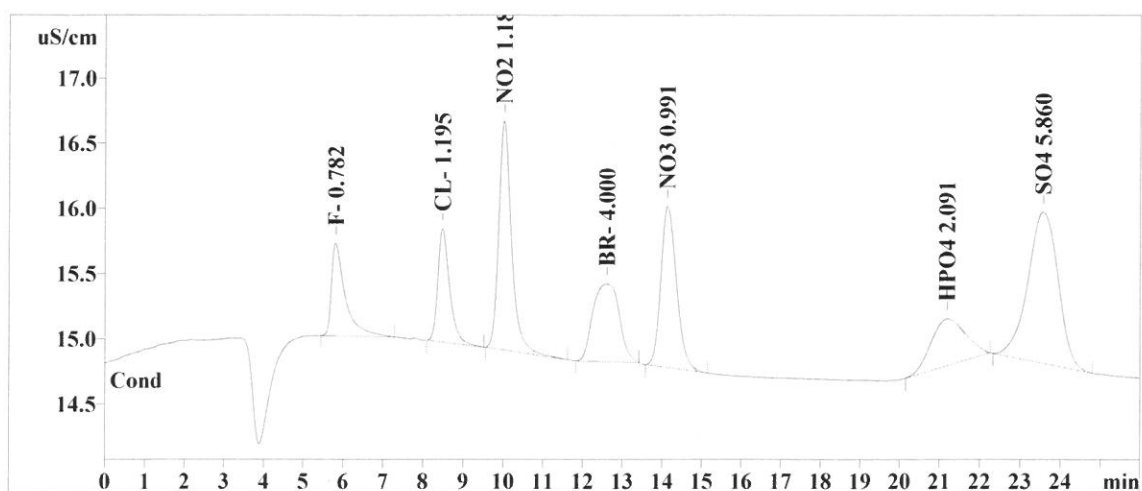
Ident: STD4  
Analysis from: 11/7/2017 12:19:04 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:53:14 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59847

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.81             | 0.324          | 0.71            | 10.62       | 17.359            | 7.97      | 0. |
| 2  | 8.48             | 0.295          | 0.87            | 12.98       | 17.575            | 8.07      | 0. |
| 3  | 10.01            | 0.316          | 1.75            | 26.23       | 38.860            | 17.84     | 0. |
| 4  | 12.59            | 0.749          | 0.60            | 8.91        | 27.348            | 12.55     | 0. |
| 5  | 14.13            | 0.423          | 1.24            | 18.48       | 34.289            | 15.74     | 0. |
| 6  | 21.16            | 0.964          | 0.36            | 5.38        | 21.419            | 9.83      | 0. |
| 7  | 23.57            | 0.809          | 1.16            | 17.36       | 60.993            | 28.00     | 0. |
| 7  | 26.00            | 0.554          | 6.69            | 99.97       | 217.844           | 100.00    | 0. |

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Report date: 11/9/2017 3:55:08 PM  
Printed by: wet

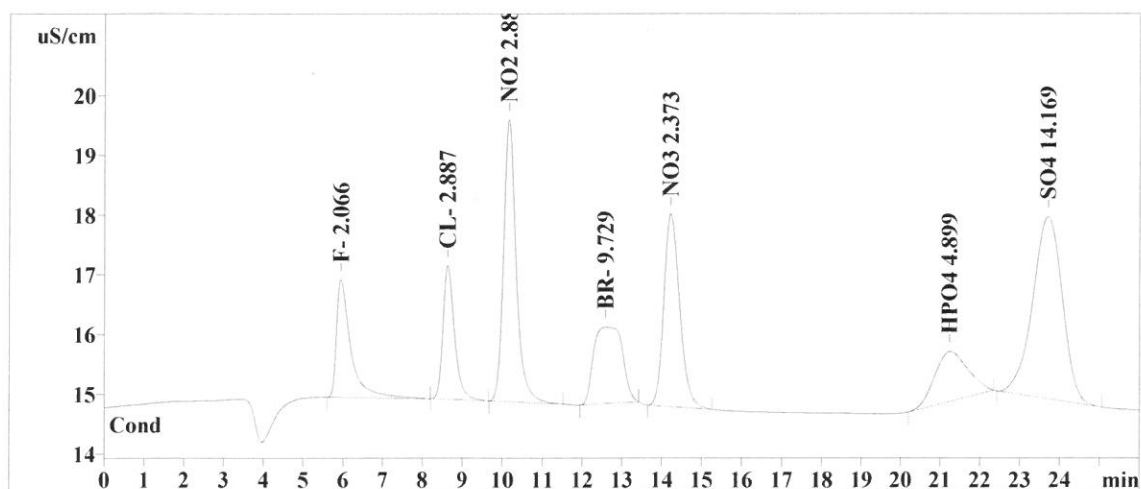
Ident: STD5  
Analysis from: 11/7/2017 12:47:59 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:53:14 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59848

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.94             | 0.322          | 1.97            | 11.37       | 48.689            | 8.78      | 0. |
| 2  | 8.63             | 0.287          | 2.23            | 12.90       | 44.079            | 7.95      | 0. |
| 3  | 10.15            | 0.311          | 4.72            | 27.25       | 101.974           | 18.39     | 0. |
| 4  | 12.59            | 0.821          | 1.28            | 7.41        | 63.610            | 11.47     | 0. |
| 5  | 14.21            | 0.420          | 3.23            | 18.64       | 89.089            | 16.07     | 0. |
| 6  | 21.22            | 0.928          | 0.84            | 4.82        | 48.348            | 8.72      | 0. |
| 7  | 23.70            | 0.800          | 3.05            | 17.60       | 158.570           | 28.60     | 0. |
| 7  | 26.00            | 0.556          | 17.31           | 99.98       | 554.358           | 100.00    | 0. |

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Report date: 11/9/2017 3:55:24 PM  
Printed by: wet

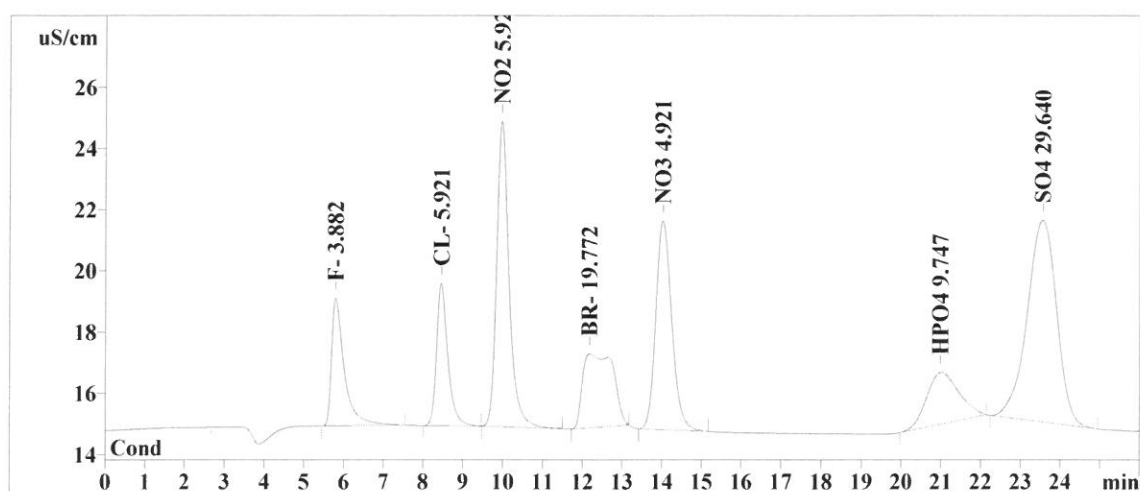
Ident: STD6  
Analysis from: 11/7/2017 1:16:55 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:53:14 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59849

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.79             | 0.304          | 4.16            | 11.46       | 93.012            | 8.07      | 0. |
| 2  | 8.45             | 0.284          | 4.66            | 12.84       | 91.582            | 7.95      | 0. |
| 3  | 9.97             | 0.311          | 9.97            | 27.47       | 215.341           | 18.69     | 0. |
| 4  | 12.18            | 0.899          | 2.42            | 6.66        | 127.180           | 11.04     | 0. |
| 5  | 14.02            | 0.424          | 6.81            | 18.77       | 190.112           | 16.50     | 0. |
| 6  | 20.99            | 0.885          | 1.69            | 4.66        | 94.831            | 8.23      | 0. |
| 7  | 23.55            | 0.788          | 6.58            | 18.14       | 340.269           | 29.53     | 0. |
| 7  | 26.00            | 0.557          | 36.29           | 99.99       | 1152.327          | 100.00    | 0. |

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Report date: 11/9/2017 3:55:32 PM  
Printed by: wet

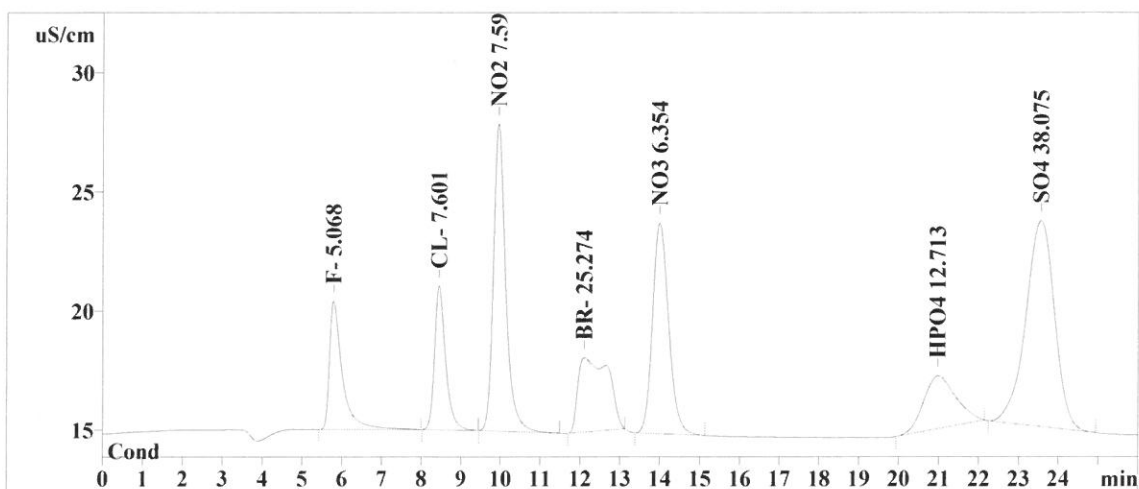
Ident: STD7  
Analysis from: 11/7/2017 1:45:50 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:10 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59850

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.79             | 0.306          | 5.37            | 11.40       | 121.951           | 8.19      | 0. |
| 2  | 8.45             | 0.283          | 6.04            | 12.81       | 117.889           | 7.92      | 0. |
| 3  | 9.95             | 0.311          | 12.89           | 27.35       | 277.615           | 18.64     | 0. |
| 4  | 12.10            | 0.925          | 3.12            | 6.62        | 162.010           | 10.88     | 0. |
| 5  | 13.99            | 0.425          | 8.83            | 18.74       | 246.923           | 16.58     | 0. |
| 6  | 20.97            | 0.866          | 2.23            | 4.73        | 123.272           | 8.28      | 0. |
| 7  | 23.56            | 0.775          | 8.64            | 18.33       | 439.333           | 29.51     | 0. |
| 7  | 26.00            | 0.556          | 47.12           | 99.99       | 1488.993          | 100.00    | 0. |

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Report date: 11/9/2017 3:55:41 PM  
Printed by: wet

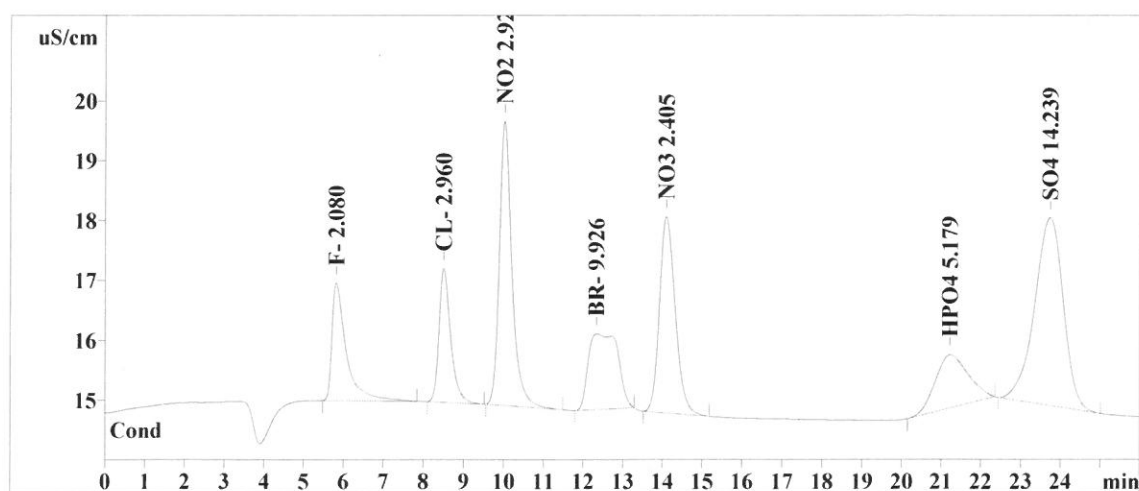
Ident: ICV  
Analysis from: 11/7/2017 3:12:36 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:10 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59853

Last save: 11/7/2017 1:42:44 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  | 5.82             | 0.329          | 1.96            | 11.20       | 49.043            | 8.70      | 0. |
| 2  | 8.50             | 0.294          | 2.24            | 12.75       | 45.214            | 8.02      | 0. |
| 3  | 10.01            | 0.311          | 4.75            | 27.11       | 103.614           | 18.39     | 0. |
| 4  | 12.34            | 0.853          | 1.27            | 7.22        | 64.855            | 11.51     | 0. |
| 5  | 14.09            | 0.418          | 3.28            | 18.71       | 90.363            | 16.04     | 0. |
| 6  | 21.21            | 0.910          | 0.89            | 5.08        | 51.026            | 9.05      | 0. |
| 7  | 23.73            | 0.774          | 3.14            | 17.92       | 159.399           | 28.29     | 0. |
| 7  | 26.00            | 0.556          | 17.53           | 99.99       | 563.515           | 100.00    | 0. |

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Report date: 11/9/2017 4:01:00 PM  
Printed by: wet

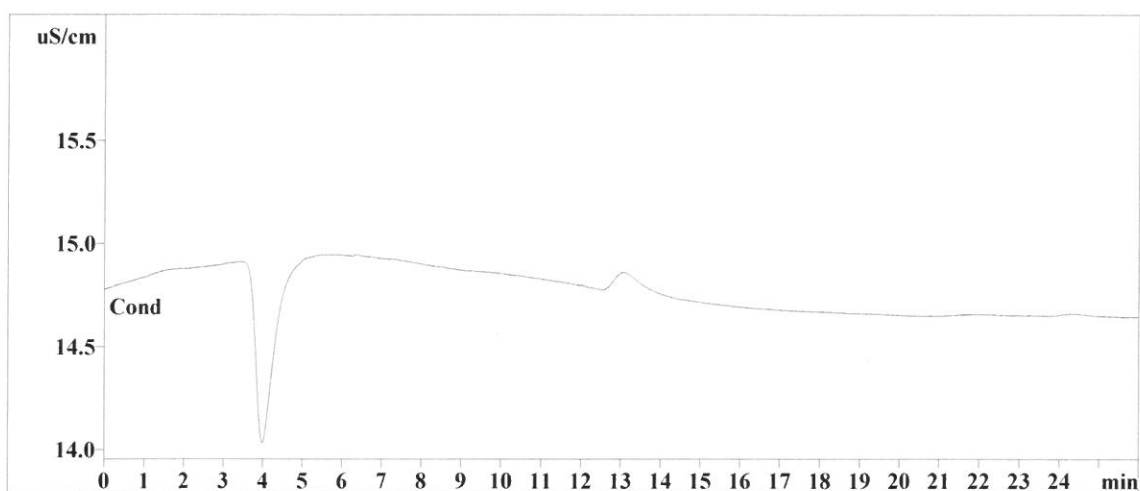
Ident: ICB  
Analysis from: 11/7/2017 3:42:23 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:56:24 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59854

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
:  
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: 11/9/2017 4:32:57 PM  
Printed by: wet

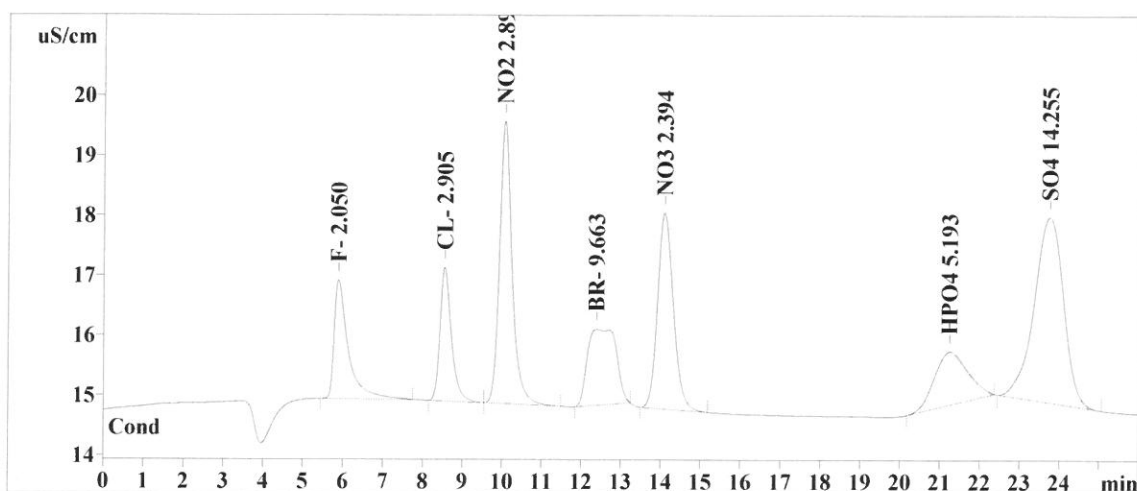
Ident: CCV  
Analysis from: 11/7/2017 6:35:56 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:10 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59860

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 9  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.88             | 0.321          | 1.98            | 11.36       | 48.295            | 8.64      | 0. |
| 2  | 8.54             | 0.289          | 2.23            | 12.78       | 44.354            | 7.94      | 0. |
| 3  | 10.05            | 0.312          | 4.71            | 27.01       | 102.382           | 18.32     | 0. |
| 4  | 12.37            | 0.825          | 1.27            | 7.28        | 63.194            | 11.31     | 0. |
| 5  | 14.08            | 0.417          | 3.27            | 18.75       | 89.944            | 16.09     | 0. |
| 6  | 21.22            | 0.917          | 0.89            | 5.09        | 51.164            | 9.15      | 0. |
| 7  | 23.75            | 0.787          | 3.09            | 17.72       | 159.584           | 28.55     | 0. |
| 7  | 26.00            | 0.553          | 17.42           | 99.98       | 558.917           | 100.00    | 0. |

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Report date: 11/9/2017 4:33:06 PM  
Printed by: wet

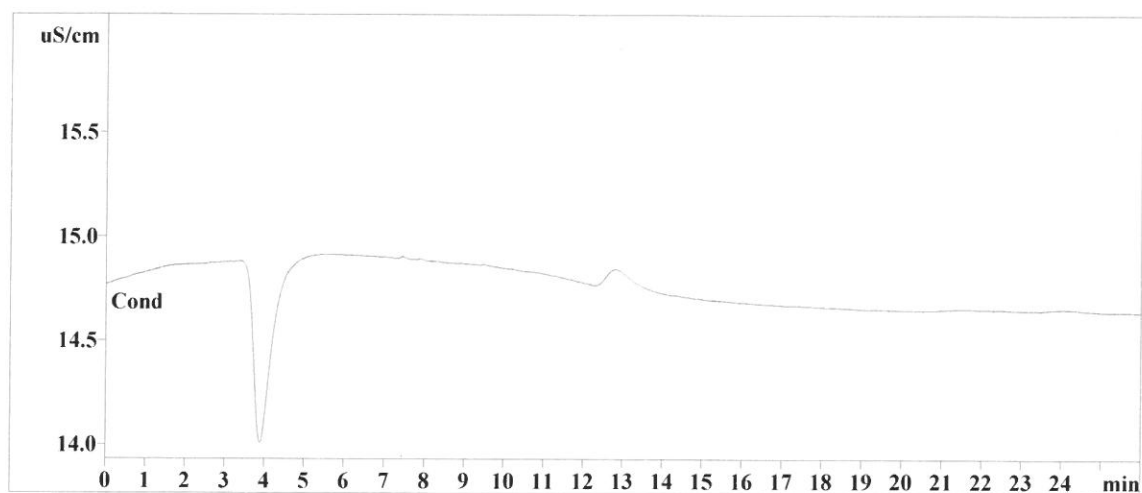
Ident: CCB  
Analysis from: 11/7/2017 7:04:52 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59861

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

No peaks

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Report date: 11/9/2017 4:33:13 PM  
Printed by: wet

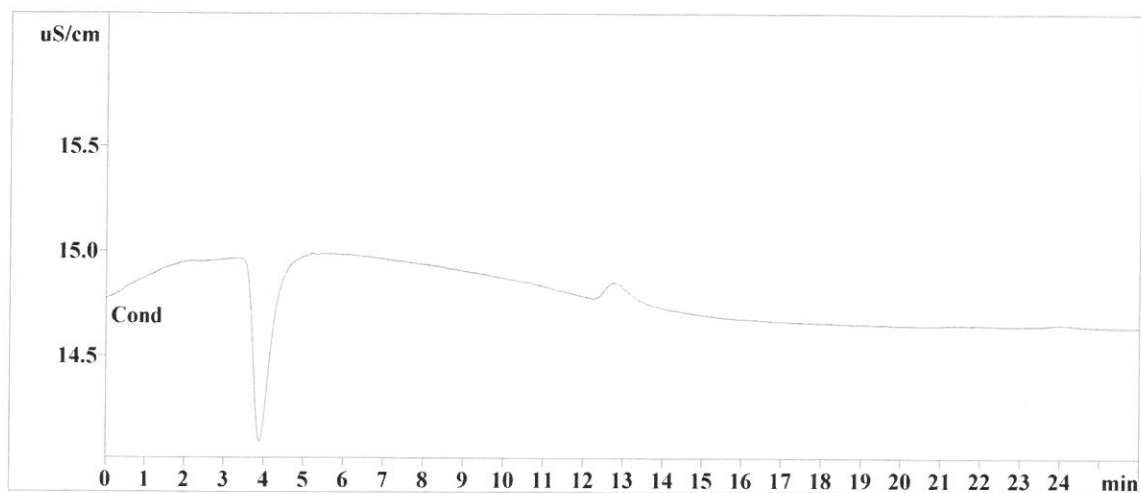
Ident: LB91426BLW  
Analysis from: 11/7/2017 7:33:47 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59862

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 11/9/2017 4:34:28 PM  
Printed by: wet

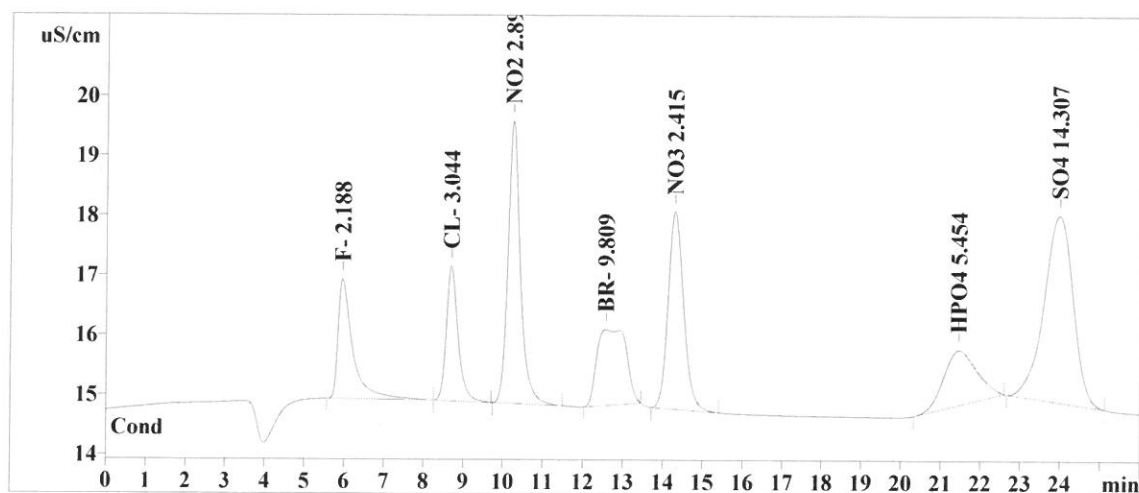
Ident: LB91426BSW  
Analysis from: 11/7/2017 8:02:42 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59863

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.95             | 0.334          | 2.00            | 11.37       | 51.661            | 9.07      | 0. |
| 2  | 8.68             | 0.300          | 2.26            | 12.82       | 46.536            | 8.17      | 0. |
| 3  | 10.23            | 0.312          | 4.72            | 26.83       | 102.575           | 18.01     | 0. |
| 4  | 12.56            | 0.840          | 1.27            | 7.20        | 64.117            | 11.26     | 0. |
| 5  | 14.28            | 0.417          | 3.30            | 18.76       | 90.777            | 15.94     | 0. |
| 6  | 21.43            | 0.918          | 0.92            | 5.25        | 53.666            | 9.42      | 0. |
| 7  | 23.98            | 0.781          | 3.13            | 17.77       | 160.197           | 28.13     | 0. |
| 7  | 26.00            | 0.557          | 17.60           | 100.00      | 569.529           | 100.00    | 0. |

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Report date: 11/9/2017 4:35:06 PM  
Printed by: wet

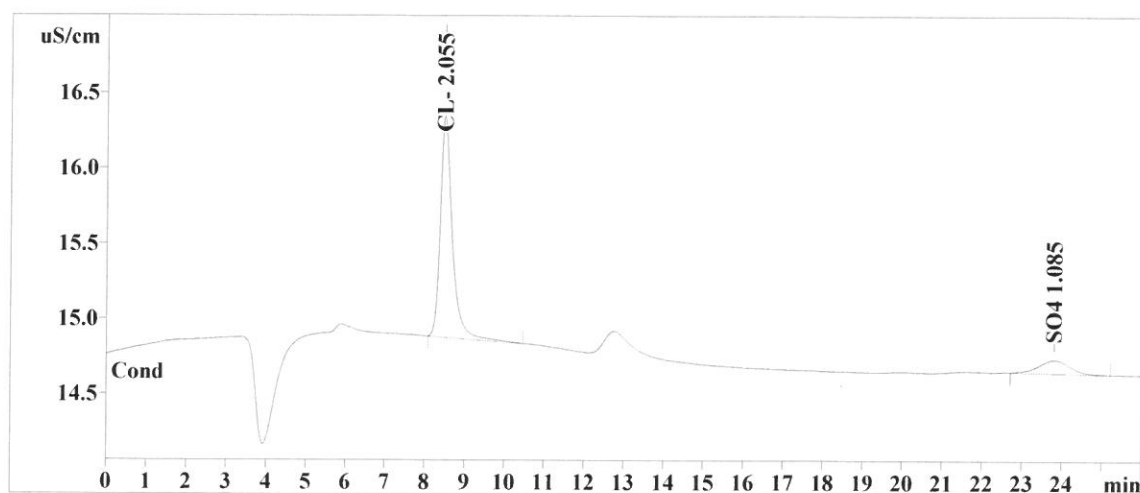
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Analysis from: 11/7/2017 8:31:38 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 4:35:08 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59864

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 19  
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  | 8.48             | 0.295          | 1.47            | 94.23       | 31.044            | 86.34     | 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  | 23.80            | 0.836          | 0.09            | 5.68        | 4.911             | 13.66     | 0. |
| 7  | 26.00            | 0.162          | 1.56            | 99.91       | 35.955            | 100.00    | 0. |

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Report date: 11/9/2017 4:38:03 PM  
Printed by: wet

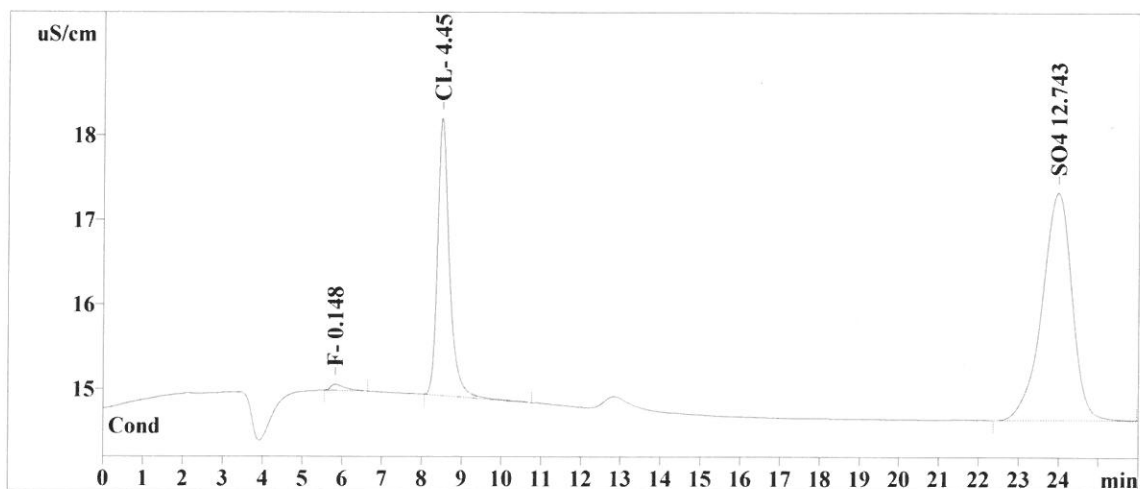
Ident: I6332-05  
Analysis from: 11/7/2017 9:00:33 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 4:37:56 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59865

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 23  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.82             | 0.379          | 0.07            | 1.21        | 1.879             | 0.89      | 0. |
| 2  | 8.49             | 0.298          | 3.28            | 54.26       | 68.570            | 32.30     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 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  | 23.98            | 0.787          | 2.69            | 44.52       | 141.820           | 66.81     | 0. |
| 7  | 26.00            | 0.209          | 6.04            | 99.99       | 212.269           | 100.00    | 0. |

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Report date: 11/9/2017 4:38:10 PM  
Printed by: wet

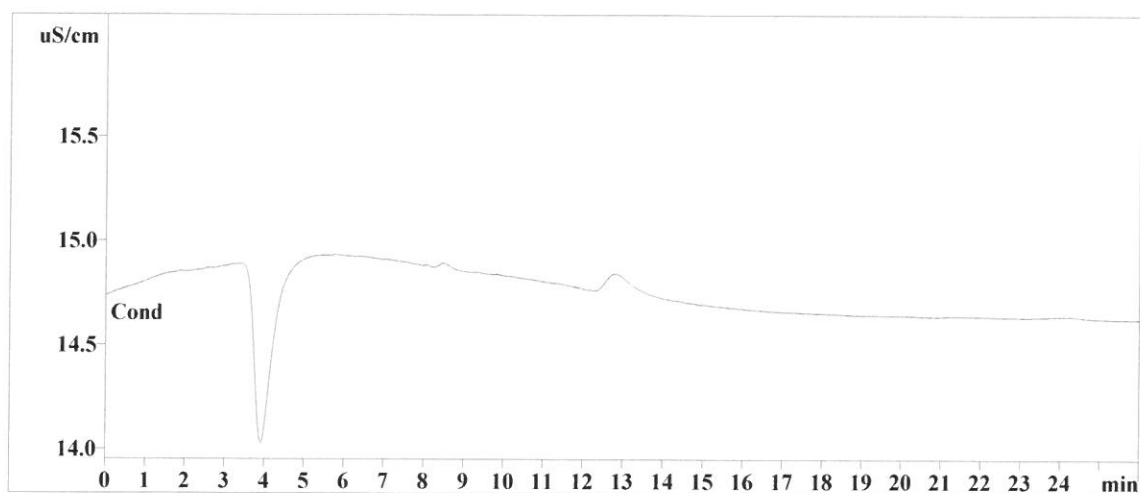
Ident: I6332-06  
Analysis from: 11/7/2017 9:29:28 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 4:37:56 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59866

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 24  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 11/9/2017 4:38:18 PM  
Printed by: wet

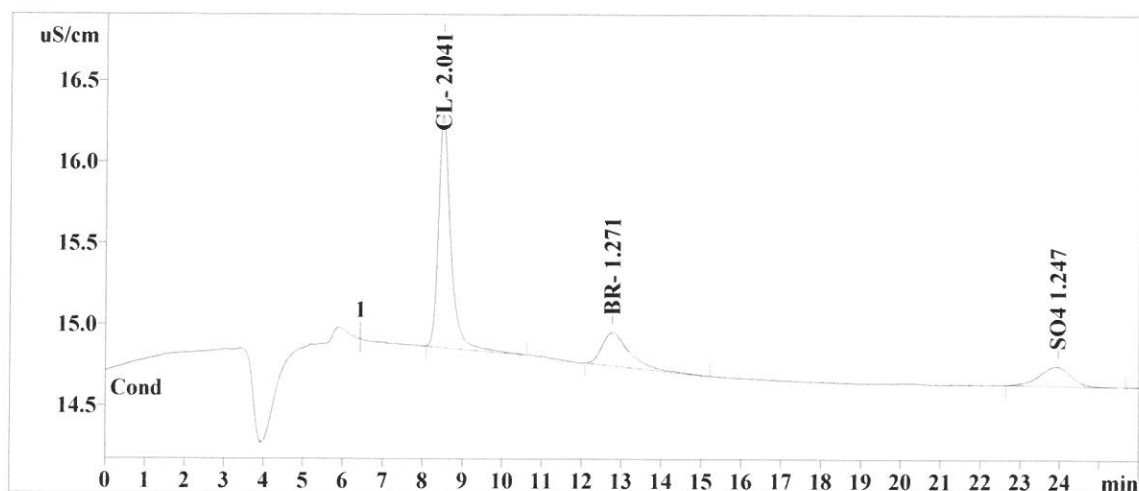
Ident: I6332-07  
Analysis from: 11/7/2017 9:58:23 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59867

Last save: 11/7/2017 1:42:44 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.49             | 0.301          | 1.43            | 81.46       | 30.825            | 64.60     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.77            | 0.698          | 0.21            | 11.67       | 10.075            | 21.12     | 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  | 23.95            | 0.859          | 0.12            | 6.73        | 6.816             | 14.28     | 0. |
| 7  | 26.00            | 0.265          | 1.76            | 99.85       | 47.716            | 100.00    | 0. |

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Report date: 11/9/2017 4:55:33 PM  
Printed by: wet

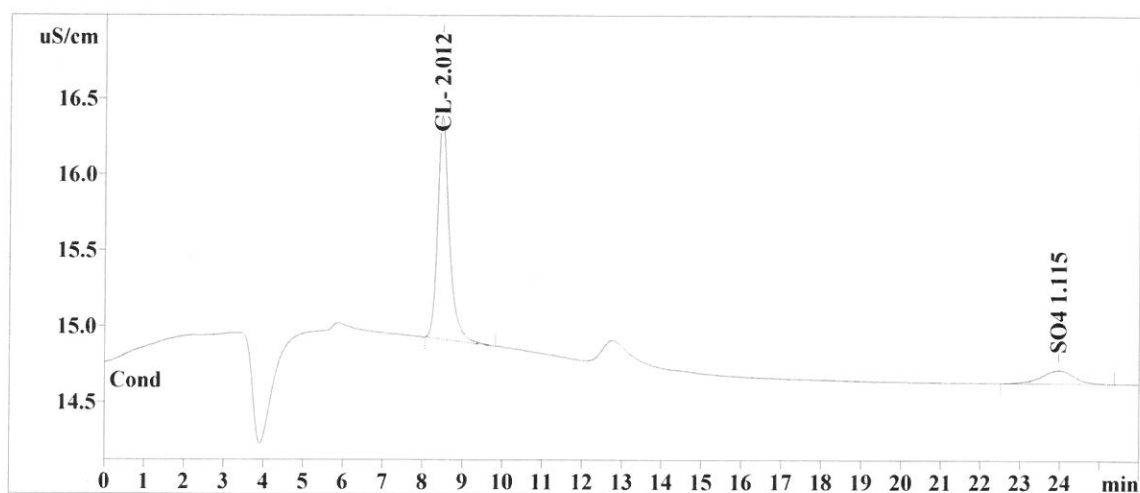
Ident: I6332-01DUP  
Analysis from: 11/7/2017 10:27:19 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 4:55:34 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59868

Last save: 11/7/2017 1:42:44 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.47             | 0.295          | 1.47            | 94.30       | 30.372            | 85.24     | 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  | 23.97            | 0.880          | 0.09            | 5.65        | 5.261             | 14.76     | 0. |
| 7  | 26.00            | 0.168          | 1.56            | 99.95       | 35.633            | 100.00    | 0. |

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Report date: 11/9/2017 4:56:51 PM  
Printed by: wet

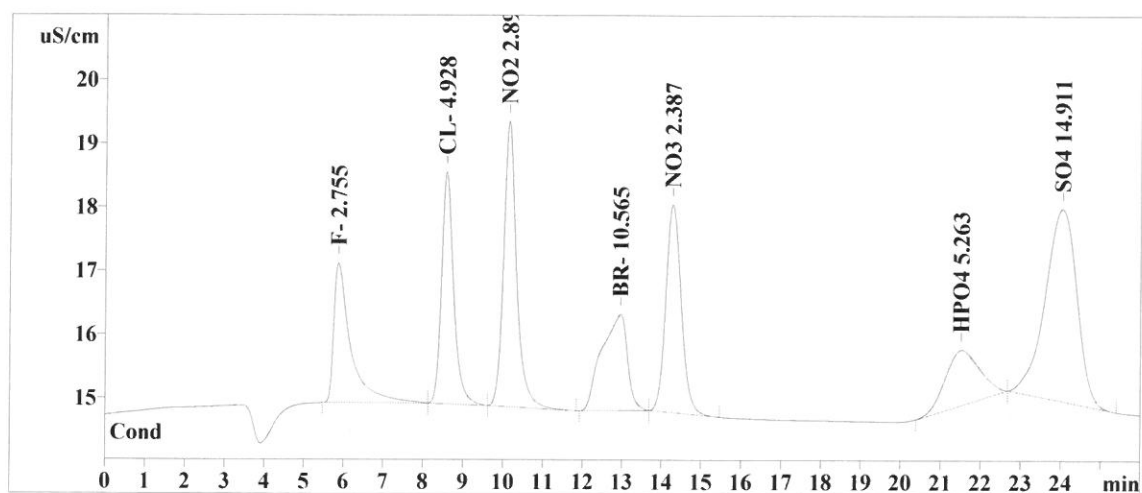
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Analysis from: 11/7/2017 10:56:14 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59869

Last save: 11/7/2017 1:42:44 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  | 5.87             | 0.376          | 2.19            | 11.56       | 65.514            | 10.54     | 0. |
| 2  | 8.57             | 0.303          | 3.64            | 19.18       | 76.039            | 12.23     | 0. |
| 3  | 10.13            | 0.324          | 4.48            | 23.61       | 102.284           | 16.46     | 0. |
| 4  | 12.95            | 0.804          | 1.51            | 7.97        | 68.899            | 11.09     | 0. |
| 5  | 14.27            | 0.419          | 3.26            | 17.18       | 89.636            | 14.42     | 0. |
| 6  | 21.49            | 0.952          | 0.87            | 4.58        | 51.839            | 8.34      | 0. |
| 7  | 24.03            | 0.849          | 3.02            | 15.91       | 167.285           | 26.92     | 0. |
| 7  | 26.00            | 0.575          | 18.99           | 99.98       | 621.496           | 100.00    | 0. |

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Report date: 11/9/2017 4:56:59 PM  
Printed by: wet

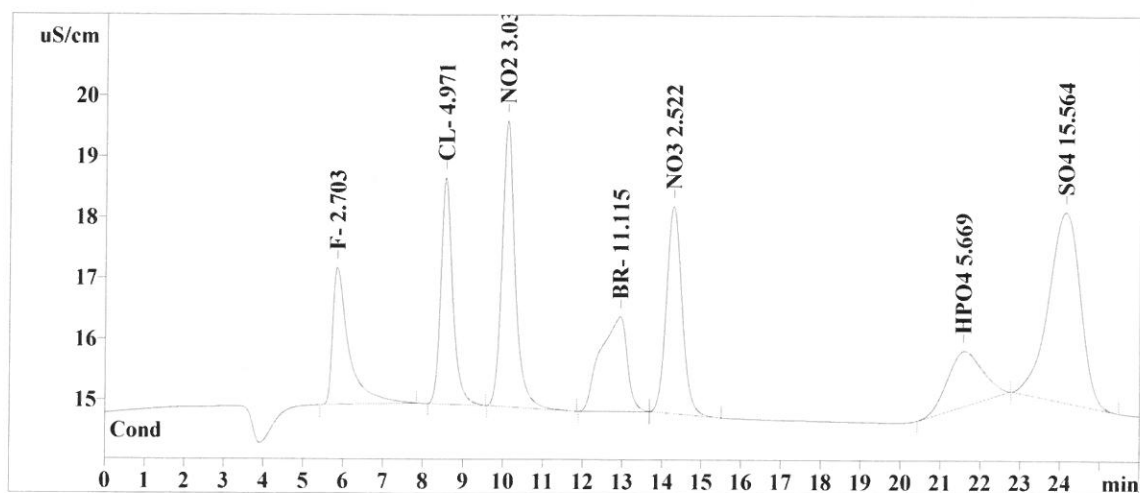
Ident: I6332-03MSD  
Analysis from: 11/7/2017 11:25:09 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59870

Last save: 11/7/2017 1:42:44 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  | 5.84             | 0.365          | 2.25            | 11.44       | 64.235            | 9.93      | 0. |
| 2  | 8.54             | 0.298          | 3.72            | 18.92       | 76.700            | 11.86     | 0. |
| 3  | 10.09            | 0.326          | 4.70            | 23.88       | 107.611           | 16.64     | 0. |
| 4  | 12.93            | 0.824          | 1.56            | 7.91        | 72.387            | 11.19     | 0. |
| 5  | 14.26            | 0.425          | 3.40            | 17.30       | 95.018            | 14.69     | 0. |
| 6  | 21.55            | 0.977          | 0.91            | 4.64        | 55.731            | 8.62      | 0. |
| 7  | 24.14            | 0.858          | 3.13            | 15.90       | 174.958           | 27.06     | 0. |
| 7  | 26.00            | 0.582          | 19.66           | 99.99       | 646.640           | 100.00    | 0. |

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Report date: 11/9/2017 4:57:08 PM  
Printed by: wet

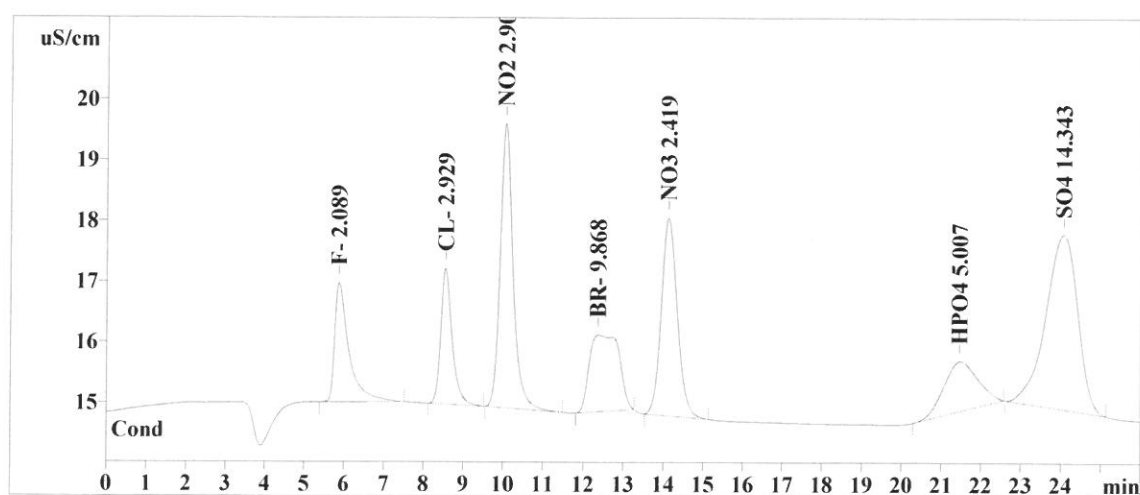
Ident: CCV  
Analysis from: 11/7/2017 11:54:04 PM  
File: \_2017-11-07\_

Last save: 11/9/2017 3:54:12 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59871

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.87             | 0.334          | 1.96            | 11.47       | 49.255            | 8.76      | 0. |
| 2  | 8.54             | 0.290          | 2.23            | 13.05       | 44.734            | 7.96      | 0. |
| 3  | 10.05            | 0.314          | 4.68            | 27.38       | 102.834           | 18.29     | 0. |
| 4  | 12.37            | 0.852          | 1.26            | 7.39        | 64.491            | 11.47     | 0. |
| 5  | 14.10            | 0.424          | 3.26            | 19.05       | 90.902            | 16.17     | 0. |
| 6  | 21.45            | 0.956          | 0.83            | 4.83        | 49.386            | 8.78      | 0. |
| 7  | 24.05            | 0.857          | 2.88            | 16.82       | 160.615           | 28.57     | 0. |
| 7  | 26.00            | 0.575          | 17.10           | 99.98       | 562.216           | 100.00    | 0. |

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Report date: 11/9/2017 4:57:16 PM  
Printed by: wet

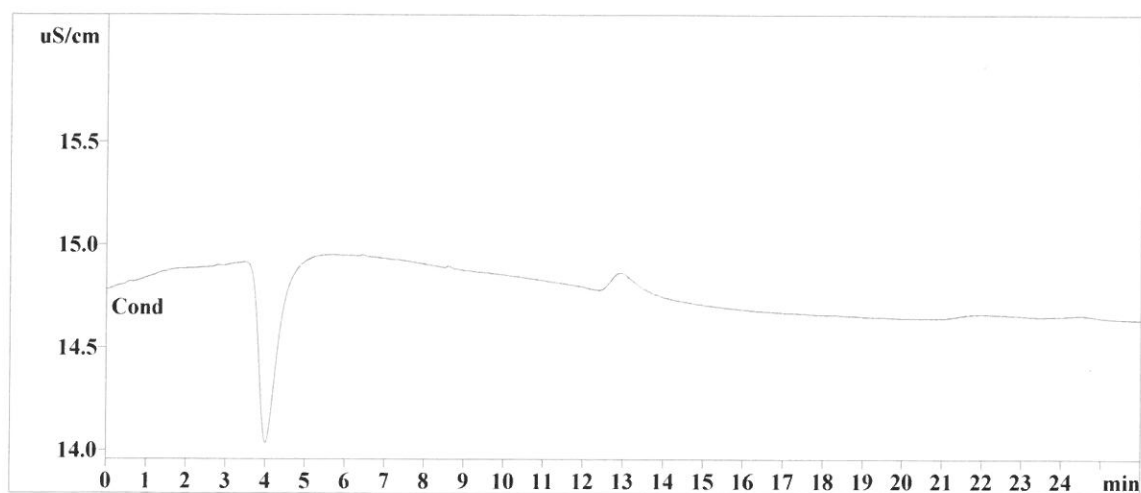
Ident: CCB  
Analysis from: 11/8/2017 12:23:00 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59872

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

No peaks

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Report date: 11/9/2017 4:58:00 PM  
 Printed by: wet

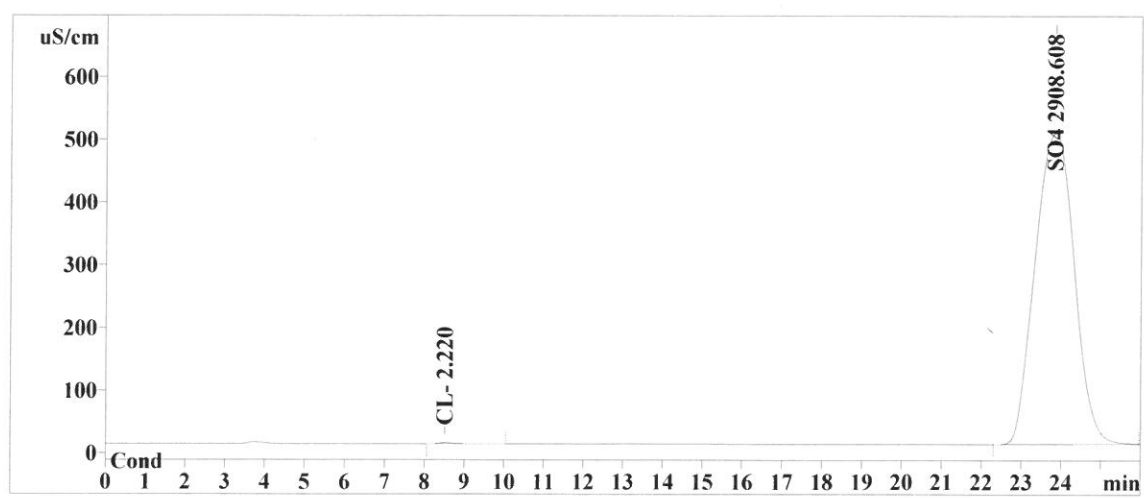
Ident: I6366-01  
 Analysis from: 11/8/2017 12:51:55 AM  
 File: \_2017-11-08\_

Last save: 11/9/2017 4:58:00 PM

Method: ANIONS 11-07-17.mtw  
 Run operator: wet  
 Analysis number: 59873

Last save: 11/7/2017 1:42:44 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  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 2  | 8.51             | 0.378          | 1.30            | 0.26        | 33.630            | 0.10      | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 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  | 23.84            | 1.111          | 495.80          | 99.74       | 34151.631         | 99.90     | 0. |
| 7  | 26.00            | 0.213          | 497.10          | 100.00      | 34185.261         | 100.00    | 0. |

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Report date: 11/9/2017 4:58:19 PM  
Printed by: wet

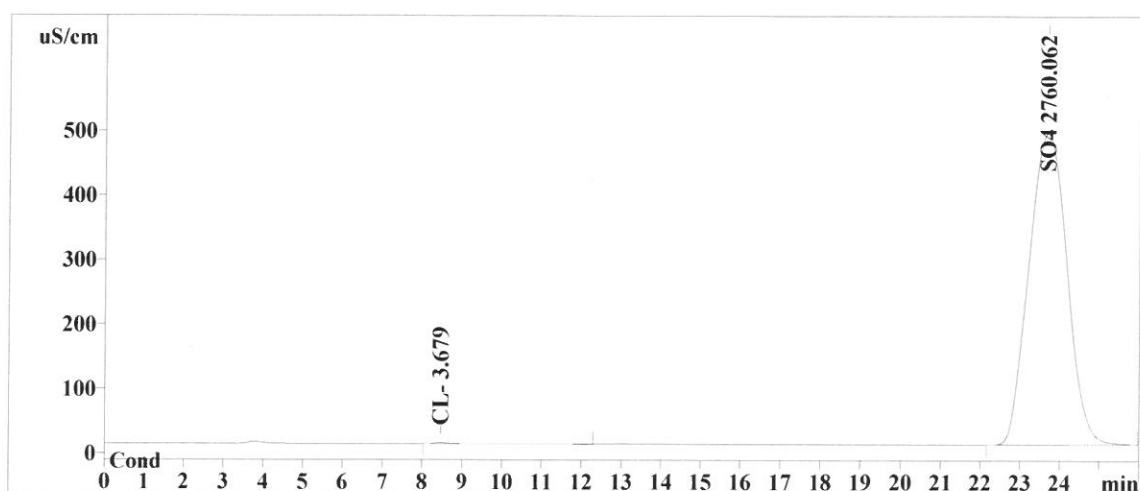
Ident: I6366-02  
Analysis from: 11/8/2017 1:20:50 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 4:58:20 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59874

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 27  
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  | 8.46             | 0.371          | 1.32            | 0.27        | 56.469            | 0.17      | 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  | 23.68            | 1.076          | 482.02          | 99.73       | 32407.067         | 99.83     | 0. |
| 7  | 26.00            | 0.207          | 483.33          | 100.00      | 32463.536         | 100.00    | 0. |

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Report date: 11/9/2017 4:58:27 PM  
Printed by: wet

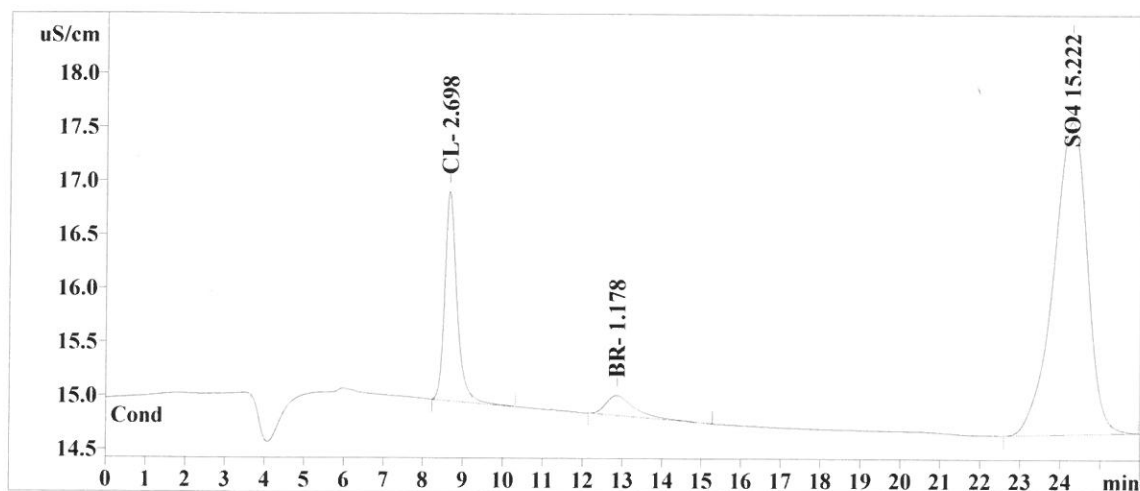
Ident: I6366-03  
Analysis from: 11/8/2017 1:49:45 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:54:14 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59875

Last save: 11/7/2017 1:42:44 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  | 8.65             | 0.302          | 1.95            | 38.55       | 41.108            | 18.56     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 12.86            | 0.706          | 0.19            | 3.71        | 9.486             | 4.28      | 0. |
| 5  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.27            | 0.888          | 2.91            | 57.71       | 170.932           | 77.16     | 0. |
| 7  | 26.00            | 0.271          | 5.05            | 99.97       | 221.526           | 100.00    | 0. |

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Report date: 11/9/2017 4:58:46 PM  
Printed by: wet

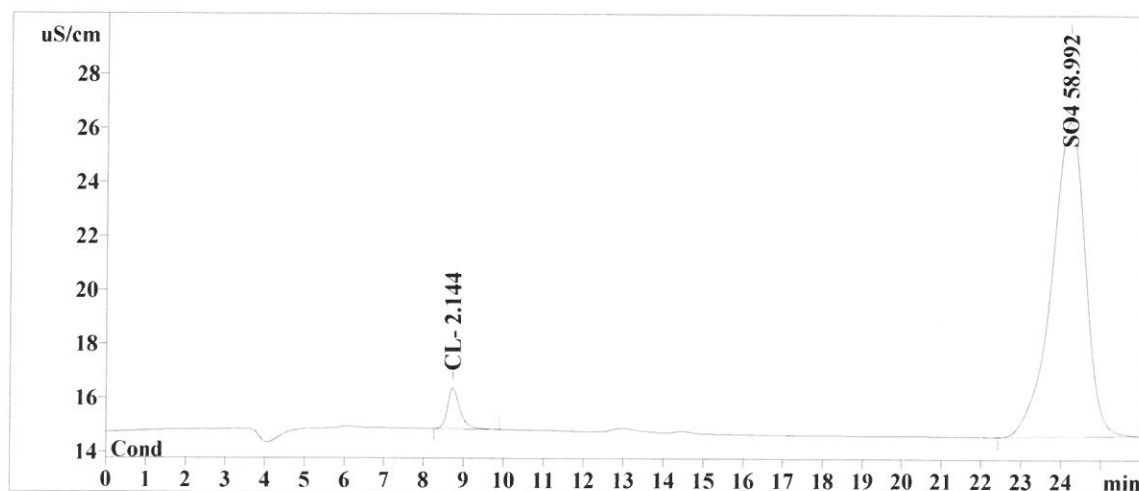
Ident: I6366-04  
Analysis from: 11/8/2017 2:18:41 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 4:58:46 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59876

Last save: 11/7/2017 1:42:44 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  | 8.73             | 0.311          | 1.50            | 11.42       | 32.446            | 4.52      | 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  | 24.19            | 0.880          | 11.65           | 88.58       | 684.981           | 95.48     | 0. |
| 7  | 26.00            | 0.170          | 13.16           | 100.00      | 717.427           | 100.00    | 0. |

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Report date: 11/9/2017 4:59:14 PM  
Printed by: wet

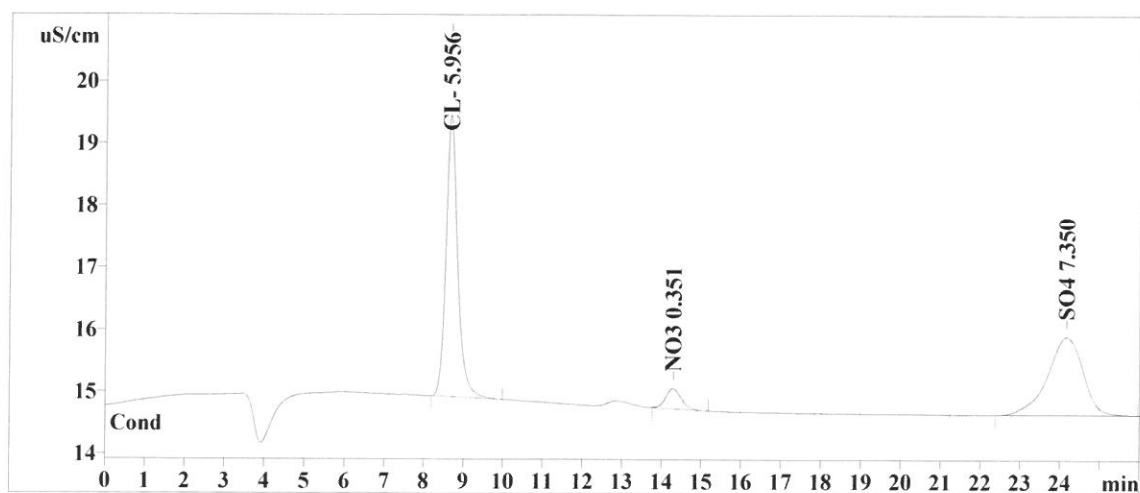
Ident: I6366-05  
Analysis from: 11/8/2017 2:47:36 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 4:59:16 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59877

Last save: 11/7/2017 1:42:44 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  | 8.66             | 0.290          | 4.53            | 74.11       | 92.124            | 51.31     | 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  | 14.28            | 0.422          | 0.32            | 5.31        | 8.943             | 4.98      | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 24.17            | 0.934          | 1.26            | 20.56       | 78.490            | 43.71     | 0. |
| 7  | 26.00            | 0.235          | 6.11            | 99.97       | 179.557           | 100.00    | 0. |

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METROHM LTD

Report date: 11/13/2017 12:19:10 PM  
Printed by: wet

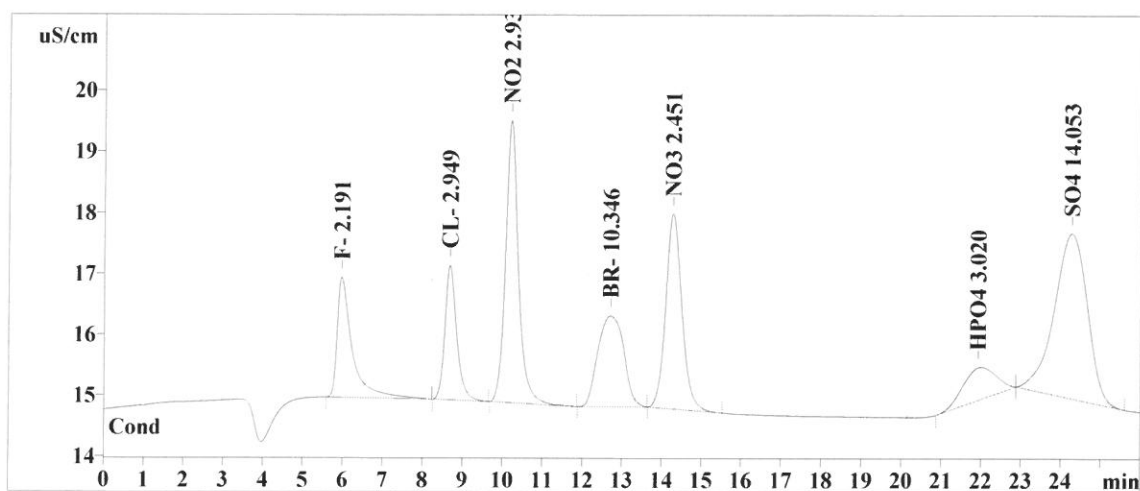
Ident: CCV  
Analysis from: 11/8/2017 3:16:31 AM  
File: \_2017-11-08\_

Last save: 11/13/2017 12:19:06 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59878

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.97             | 0.334          | 1.97            | 11.77       | 51.752            | 9.45      | 0. |
| 2  | 8.67             | 0.296          | 2.21            | 13.17       | 45.049            | 8.22      | 0. |
| 3  | 10.19            | 0.320          | 4.62            | 27.60       | 103.820           | 18.95     | 0. |
| 4  | 12.70            | 0.749          | 1.49            | 8.92        | 67.519            | 12.32     | 0. |
| 5  | 14.27            | 0.433          | 3.20            | 19.13       | 92.183            | 16.83     | 0. |
| 6  | 21.92            | 0.932          | 0.54            | 3.21        | 30.330            | 5.54      | 0. |
| 7  | 24.27            | 0.890          | 2.71            | 16.18       | 157.211           | 28.70     | 0. |
| 7  | 26.00            | 0.565          | 16.74           | 99.98       | 547.863           | 100.00    | 0. |

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Report date: 11/9/2017 4:59:30 PM  
Printed by: wet

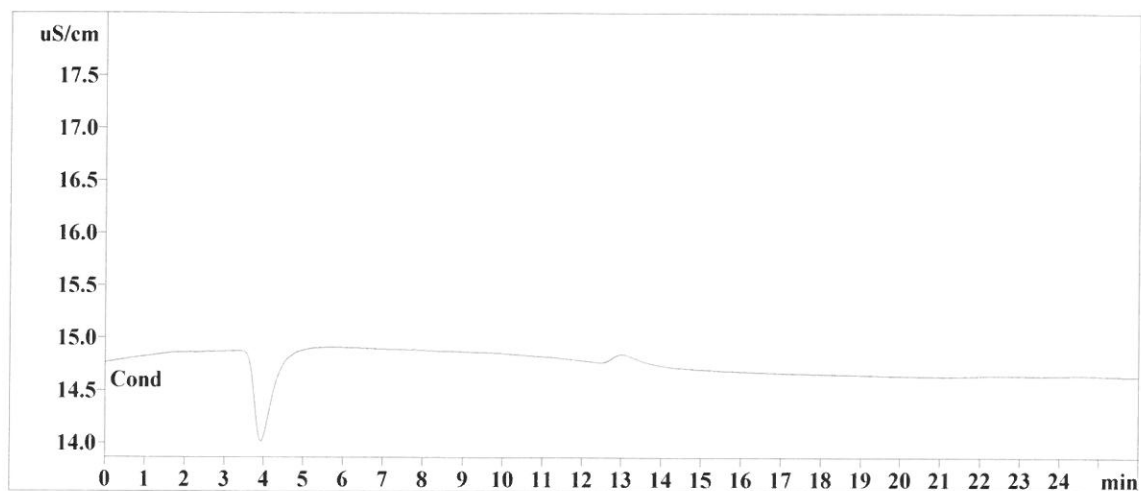
Ident: CCB  
Analysis from: 11/8/2017 3:45:27 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59879

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 10  
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: 11/9/2017 4:59:41 PM  
Printed by: wet

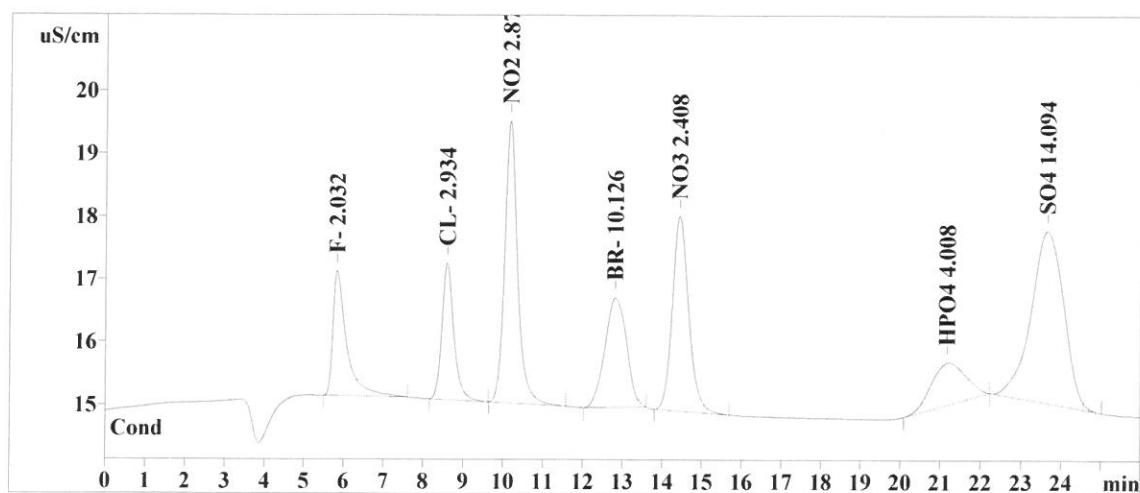
Ident: CCV  
Analysis from: 11/8/2017 9:37:37 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:54:14 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59882

Last save: 11/7/2017 1:42:44 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  | 5.83             | 0.318          | 1.99            | 11.75       | 47.854            | 8.73      | 0. |
| 2  | 8.58             | 0.298          | 2.18            | 12.86       | 44.817            | 8.17      | 0. |
| 3  | 10.16            | 0.324          | 4.49            | 26.54       | 101.592           | 18.53     | 0. |
| 4  | 12.80            | 0.603          | 1.74            | 10.30       | 66.121            | 12.06     | 0. |
| 5  | 14.42            | 0.439          | 3.10            | 18.34       | 90.472            | 16.50     | 0. |
| 6  | 21.16            | 0.965          | 0.67            | 3.97        | 39.797            | 7.26      | 0. |
| 7  | 23.64            | 0.883          | 2.75            | 16.23       | 157.696           | 28.76     | 0. |
| 7  | 26.00            | 0.547          | 16.92           | 99.98       | 548.348           | 100.00    | 0. |

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Report date: 11/9/2017 4:59:49 PM  
Printed by: wet

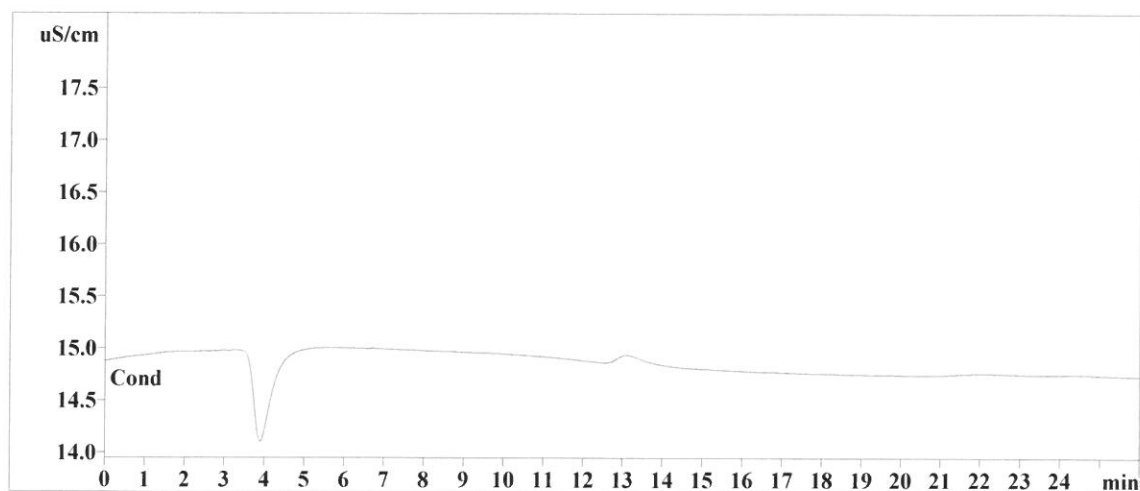
Ident: CCB  
Analysis from: 11/8/2017 10:06:32 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59883

Last save: 11/7/2017 1:42:44 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 11/9/2017 4:59:55 PM  
Printed by: wet

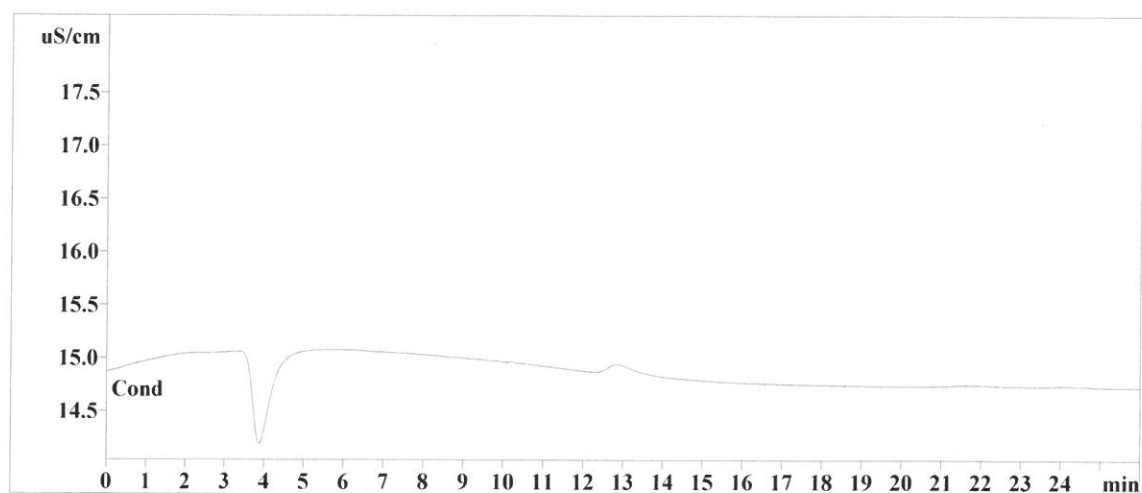
Ident: LB91426BLW2  
Analysis from: 11/8/2017 10:35:28 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59884

Last save: 11/7/2017 1:42:44 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  
METROHM LTD

Report date: 11/9/2017 5:00:01 PM  
Printed by: wet

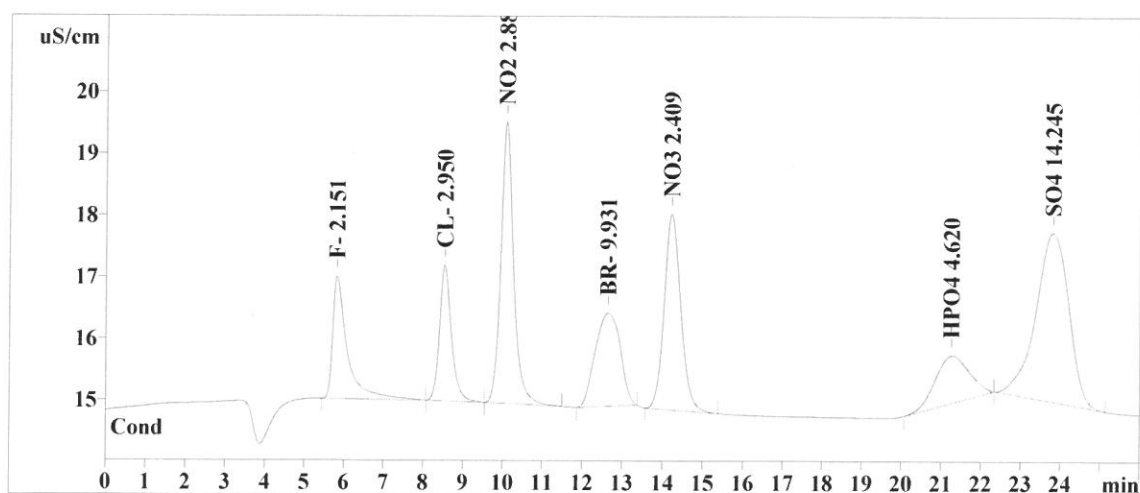
Ident: LB91426BSW3  
Analysis from: 11/8/2017 11:04:23 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:54:16 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59885

Last save: 11/7/2017 1:42:44 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  | 5.82             | 0.323          | 1.98            | 11.70       | 50.776            | 9.09      | 0. |
| 2  | 8.53             | 0.295          | 2.20            | 12.98       | 45.064            | 8.07      | 0. |
| 3  | 10.07            | 0.318          | 4.56            | 26.93       | 101.924           | 18.26     | 0. |
| 4  | 12.63            | 0.718          | 1.51            | 8.91        | 64.892            | 11.62     | 0. |
| 5  | 14.20            | 0.429          | 3.17            | 18.74       | 90.517            | 16.21     | 0. |
| 6  | 21.24            | 0.949          | 0.77            | 4.55        | 45.670            | 8.18      | 0. |
| 7  | 23.81            | 0.887          | 2.74            | 16.17       | 159.464           | 28.56     | 0. |
| 7  | 26.00            | 0.560          | 16.94           | 99.99       | 558.307           | 100.00    | 0. |

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Report date: 11/9/2017 5:00:26 PM  
Printed by: wet

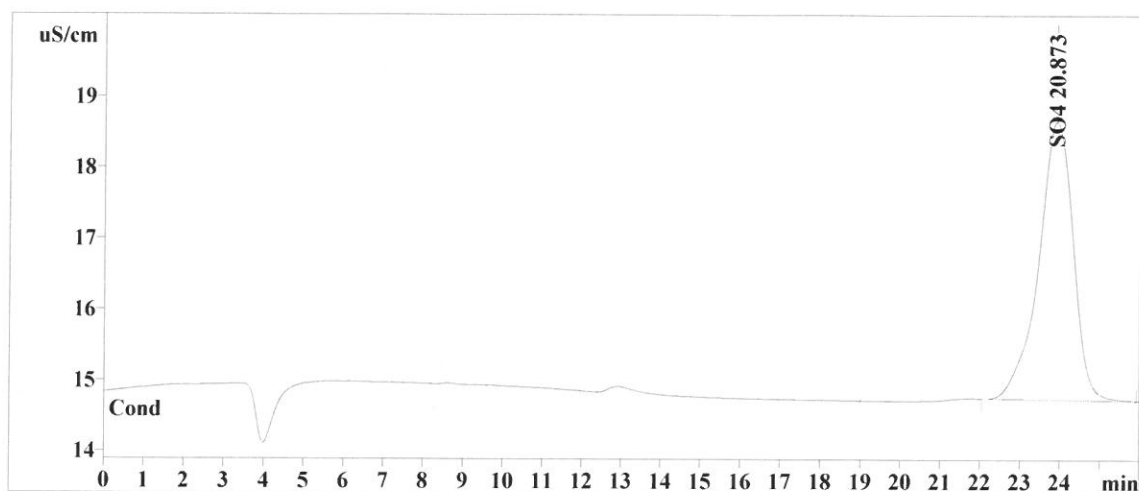
Ident: I6366-01DLX100  
Analysis from: 11/8/2017 11:33:19 AM  
File: \_2017-11-08\_

Last save: 11/9/2017 5:00:22 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59886

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 6  
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  | 23.90            | 0.897          | 3.92            | 99.99       | 237.303           | 100.00    | 0. |
| 7  | 26.00            | 0.128          | 3.92            | 99.99       | 237.303           | 100.00    | 0. |

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Report date: 11/9/2017 5:00:31 PM  
Printed by: wet

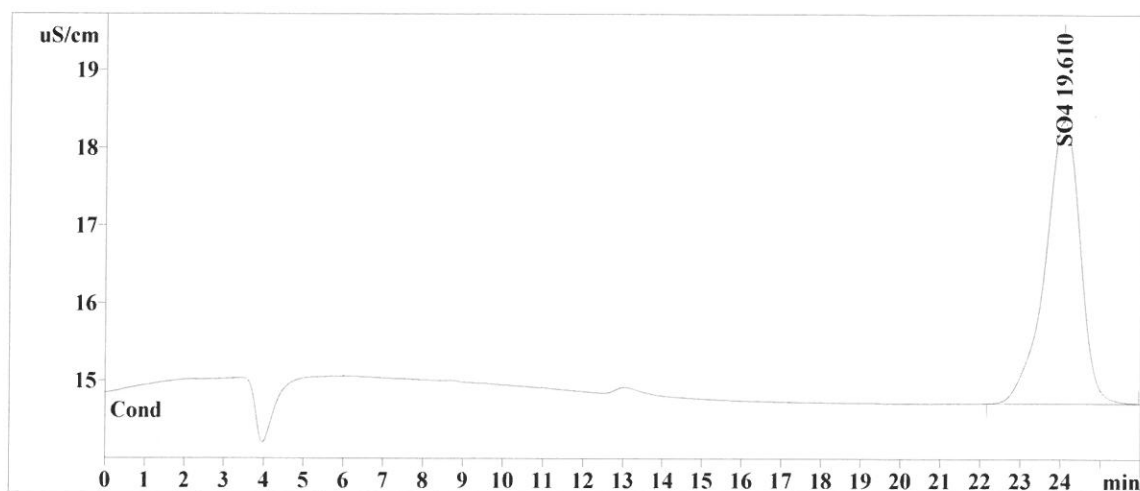
Ident: I6366-02DLX100  
Analysis from: 11/8/2017 12:02:15 PM  
File: \_2017-11-08\_

Last save: 11/9/2017 5:00:22 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59887

Last save: 11/7/2017 1:42:44 PM

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  | 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  | 24.06            | 0.906          | 3.64            | 99.98       | 222.472           | 100.00    | 0. |
| 7  | 26.00            | 0.129          | 3.64            | 99.98       | 222.472           | 100.00    | 0. |

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Report date: 11/9/2017 5:00:37 PM  
Printed by: wet

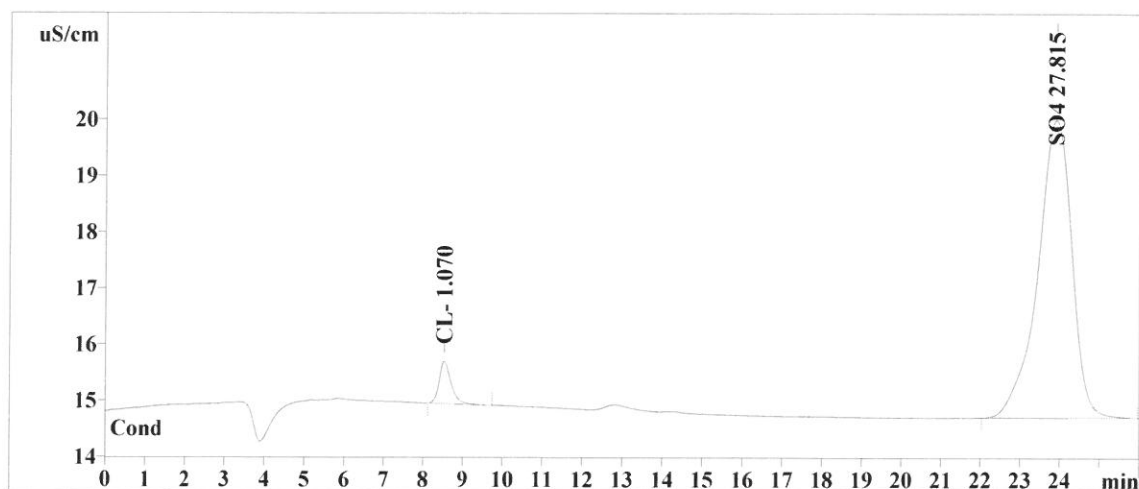
Ident: I6366-04DLX2  
Analysis from: 11/8/2017 12:31:10 PM  
File: \_2017-11-08\_

Last save: 11/9/2017 5:00:22 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59888

Last save: 11/7/2017 1:42:44 PM

SAMPLE:  
: AK/AP  
Vial number: 8  
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  | 8.53             | 0.298          | 0.75            | 12.43       | 15.624            | 4.67      | 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  | 23.89            | 0.890          | 5.30            | 87.56       | 318.831           | 95.33     | 0. |
| 7  | 26.00            | 0.170          | 6.05            | 99.99       | 334.456           | 100.00    | 0. |

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Report date: 11/9/2017 5:00:44 PM  
Printed by: wet

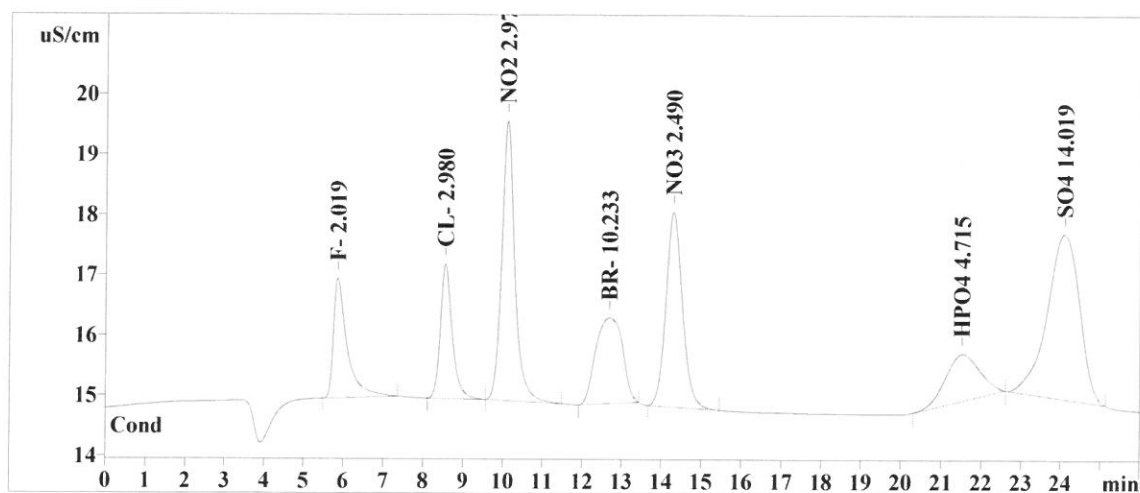
Ident: CCV  
Analysis from: 11/8/2017 1:00:06 PM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:54:16 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59889

Last save: 11/7/2017 1:42:44 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  | 5.85             | 0.320          | 1.98            | 11.64       | 47.532            | 8.45      | 0. |
| 2  | 8.54             | 0.293          | 2.23            | 13.08       | 45.527            | 8.09      | 0. |
| 3  | 10.09            | 0.322          | 4.64            | 27.27       | 105.481           | 18.75     | 0. |
| 4  | 12.68            | 0.788          | 1.42            | 8.37        | 66.803            | 11.88     | 0. |
| 5  | 14.28            | 0.437          | 3.23            | 18.97       | 93.729            | 16.66     | 0. |
| 6  | 21.50            | 0.952          | 0.78            | 4.58        | 46.585            | 8.28      | 0. |
| 7  | 24.09            | 0.875          | 2.74            | 16.09       | 156.813           | 27.88     | 0. |
| 7  | 26.00            | 0.570          | 17.02           | 99.99       | 562.470           | 100.00    | 0. |

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Report date: 11/9/2017 5:00:52 PM  
Printed by: wet

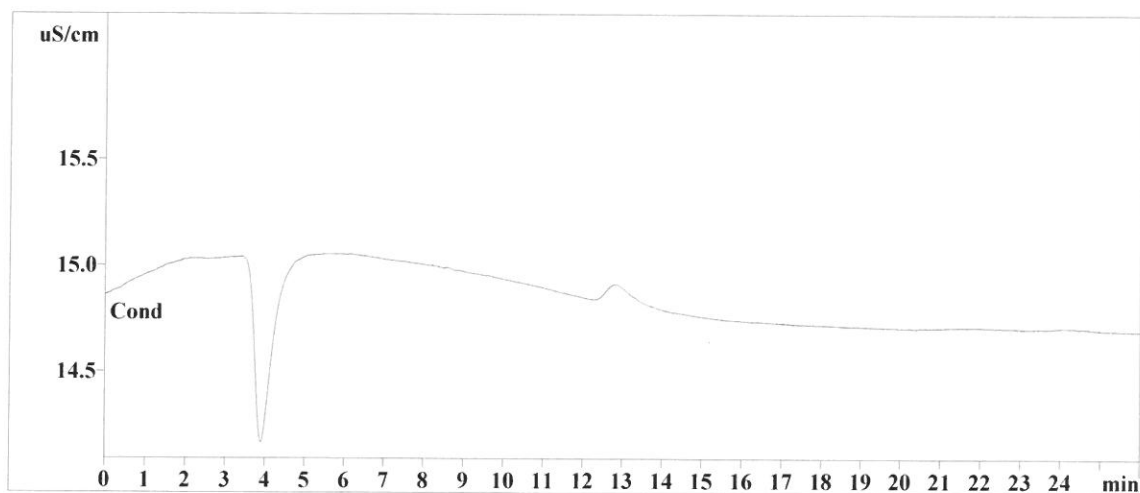
Ident: CCB  
Analysis from: 11/8/2017 1:29:11 PM  
File: \_2017-11-08\_

Last save: 11/9/2017 3:56:26 PM

Method: ANIONS 11-07-17.mtw  
Run operator: wet  
Analysis number: 59890

Last save: 11/7/2017 1:42:44 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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