

LOD/MDL for all Analytes

IC-1 9056A SOL

08/20/19 AD

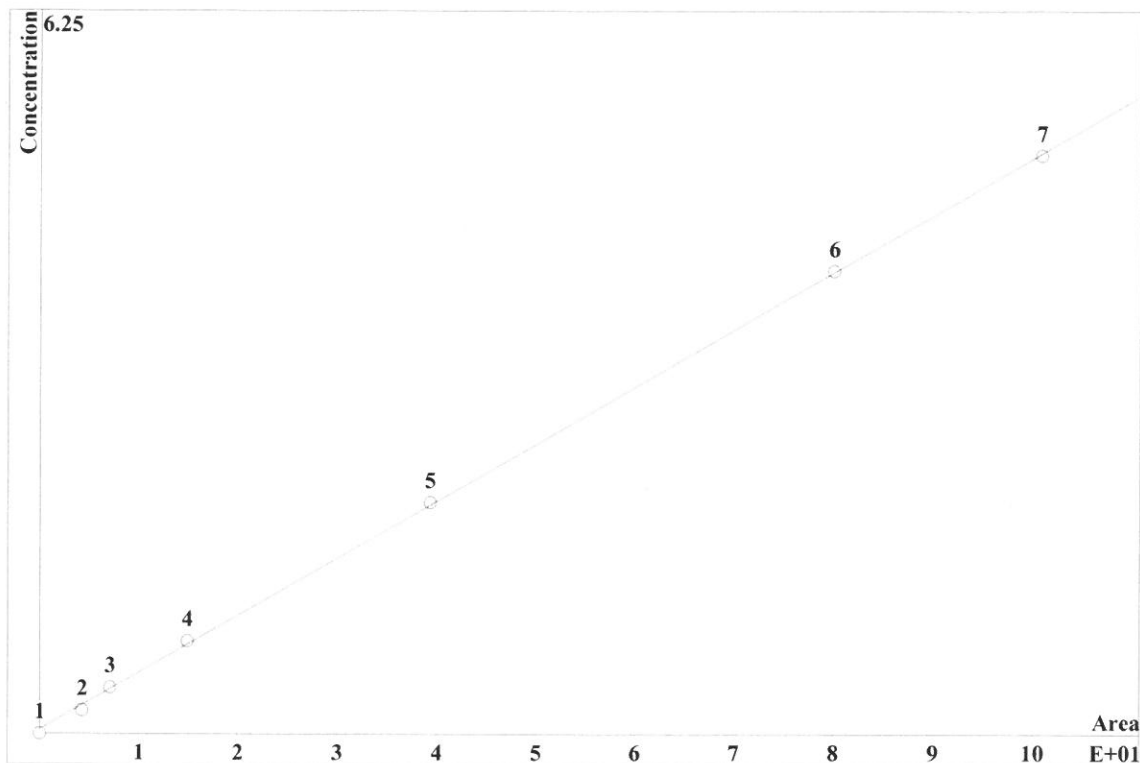
Clear table

| ident       | concentra<br>tion F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name   | date time     | Initial wt/<br>Final Vol | Analyst |
|-------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------|---------------|--------------------------|---------|
| STD1        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2019-08-12_ | 8/12/19 9:48  |                          | AK/AP   |
| STD2        | 0.2490               | 0.3650                | 0.3700                | 1.2150                | 0.3130                | 0.3860                 | 1.9040                | 2019-08-12_ | 8/12/19 10:19 |                          | AK/AP   |
| STD3        | 0.3890               | 0.6190                | 0.6260                | 2.0510                | 0.5220                | 1.0200                 | 3.1700                | 2019-08-12_ | 8/12/19 10:51 |                          | AK/AP   |
| STD4        | 0.7740               | 1.1780                | 1.1600                | 3.8780                | 0.9820                | 2.0780                 | 5.8390                | 2019-08-12_ | 8/12/19 11:22 |                          | AK/AP   |
| STD5        | 1.9780               | 2.9230                | 2.9250                | 9.8490                | 2.4220                | 5.0870                 | 14.5000               | 2019-08-12_ | 8/12/19 11:54 |                          | AK/AP   |
| STD6        | 3.9890               | 5.9330                | 5.9530                | 19.7450               | 4.9240                | 9.8880                 | 29.5770               | 2019-08-12_ | 8/12/19 12:25 |                          | AK/AP   |
| STD7        | 5.0200               | 7.5800                | 7.5660                | 25.2630               | 6.3360                | 12.5430                | 38.0100               | 2019-08-12_ | 8/12/19 12:57 |                          | AK/AP   |
| ICV         | 1.9830               | 2.9590                | 2.9580                | 9.7150                | 2.4790                | 5.1690                 | 14.6890               | 2019-08-12_ | 8/12/19 13:37 |                          | AK/AP   |
| ICB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2019-08-12_ | 8/12/19 14:18 |                          | AK/AP   |
| CCV         | 2.0350               | 2.9190                | 2.9220                | 9.7340                | 2.4080                | 4.5900                 | 14.3870               | 2019-08-20_ | 8/20/19 8:15  |                          | AK/AP   |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2019-08-20_ | 8/20/19 9:20  |                          | AK/AP   |
| LB104696BLS | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2019-08-20_ | 8/20/19 9:52  | 5.00g/100µ               | AK/AP   |
| LB104696BSS | 2.0010               | 2.8840                | 2.9360                | 9.7320                | 2.4360                | 4.8510                 | 14.4860               | 2019-08-20_ | 8/20/19 10:23 | 5.01g/100µ               | AK/AP   |
| K3591-03    | 0.1290               | 0.2580                | 0.2170                | 0.6890                | 0.2150                | 0.0490                 | 1.1730                | 2019-08-20_ | 8/20/19 10:54 | 5.01g/100µ               | AK/AP   |
| K3591-03RE  | 0.1880               | 0.3650                | 0.3490                | 1.1340                | 0.3070                | 0.3350                 | 1.8580                | 2019-08-20_ | 8/20/19 11:57 | 5.02g/100µ               | AK/AP   |
| CCV         | 1.9960               | 2.9260                | 2.9110                | 9.7960                | 2.4350                | 4.9110                 | 14.4440               | 2019-08-20_ | 8/20/19 12:29 |                          | AK/AP   |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2019-08-20_ | 8/20/19 13:00 |                          | AK/AP   |

IC-1 cal  
8-12-19 AR

CALIBRATION OF COMPONENT F-

Method: ANIONS 08-12-19.mtw  
Equation:  $Q = 0.988284 \cdot A + 0.730567$   
RSD: 1.565 %  
Correlation coefficient: 0.999897



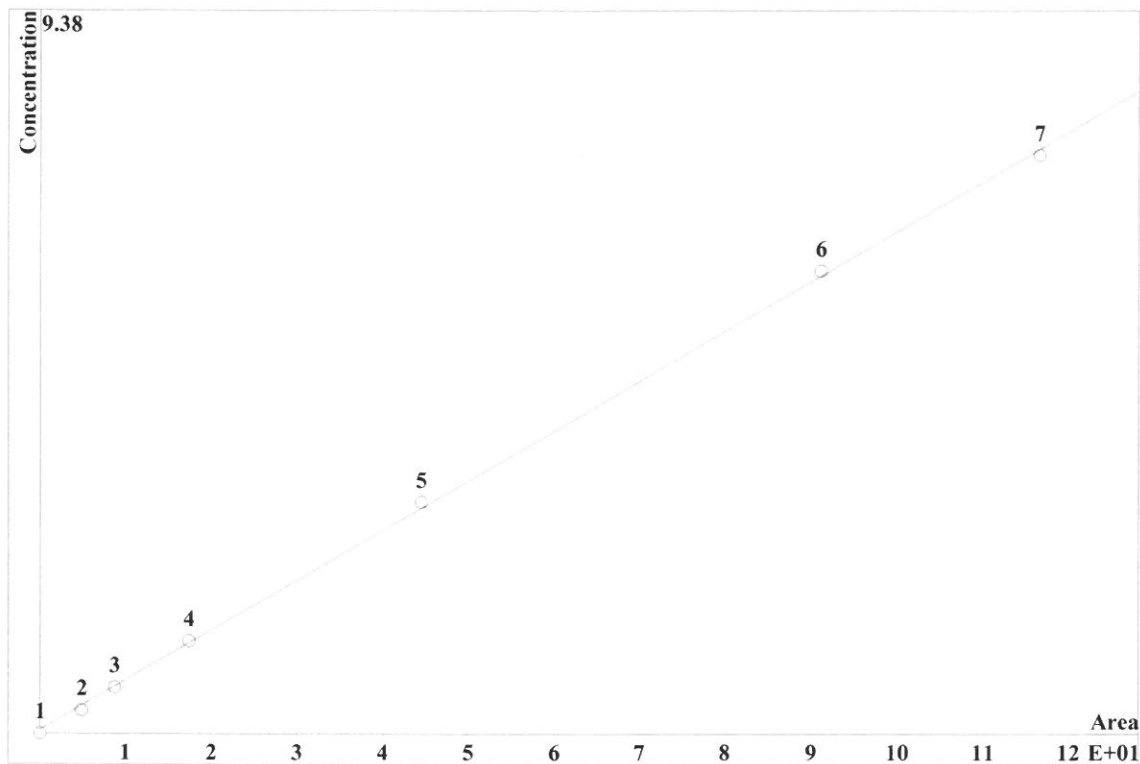
K3 = 0 K2 = 0 K1 = 0.988284 K0 = 0.730567

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     | 0.068  | 4.307 | 0.2   | 20      | 5.943     | Yes  |      |
| 3     | 0.1305 | 7.141 | 0.4   | 20      | 5.943     | Yes  |      |
| 4     | 0.2733 | 14.93 | 0.8   | 20      | 5.943     | Yes  |      |
| 5     | 0.7096 | 39.29 | 2     | 20      | 5.943     | Yes  |      |
| 6     | 1.496  | 79.99 | 4     | 20      | 5.943     | Yes  |      |
| 7     | 1.915  | 100.8 | 5     | 20      | 5.943     | Yes  |      |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 08-12-19.mtw  
 Equation:  $Q = 1.29207 \cdot A + 1.00228$   
 RSD: 2.387 %  
 Correlation coefficient: 0.999759



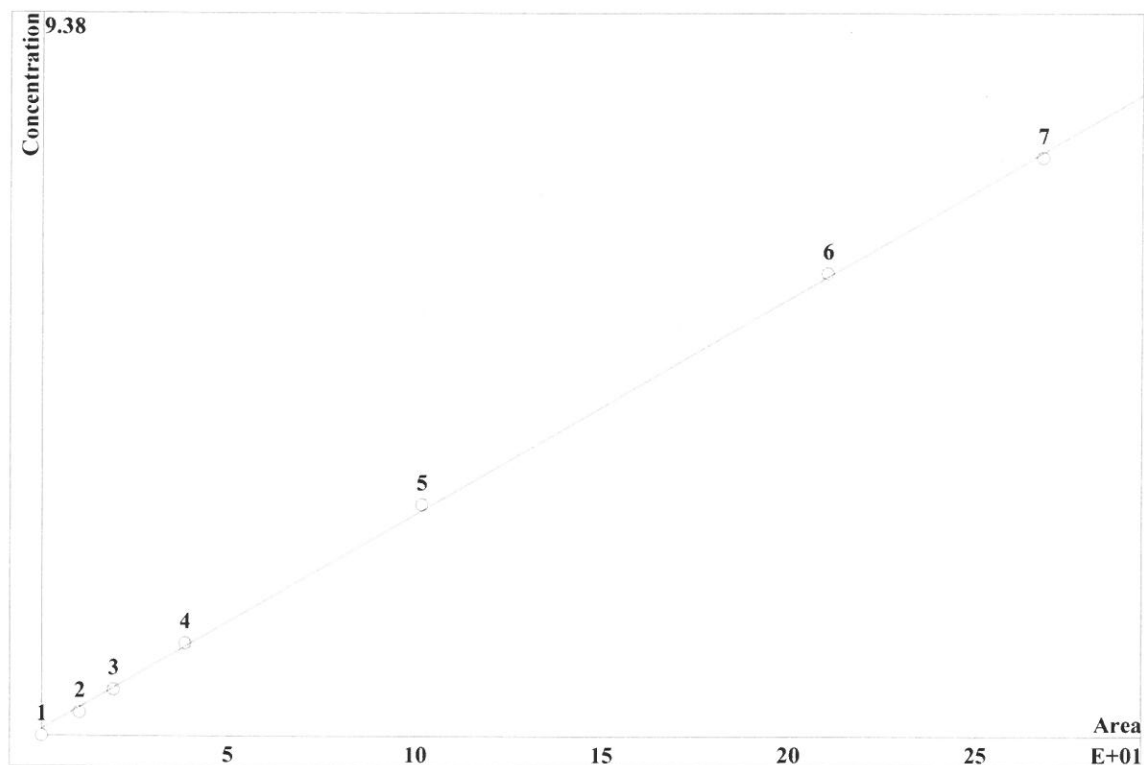
K3 = 0      K2 = 0      K1 = 1.29207      K0 = 1.00228

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     | 0.3469 | 4.878 | 0.3   | 20      | 8.829     | Yes  |      |
| 3     | 0.651  | 8.811 | 0.6   | 20      | 8.829     | Yes  |      |
| 4     | 1.291  | 17.47 | 1.2   | 20      | 8.829     | Yes  |      |
| 5     | 3.374  | 44.47 | 3     | 20      | 8.829     | Yes  |      |
| 6     | 7.009  | 91.07 | 6     | 20      | 8.829     | Yes  |      |
| 7     | 9.053  | 116.6 | 7.5   | 20      | 8.829     | Yes  |      |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 08-12-19.mtw  
 Equation:  $Q = 0.558136 \cdot A + 1.74123$   
 RSD: 2.242 %  
 Correlation coefficient: 0.999787



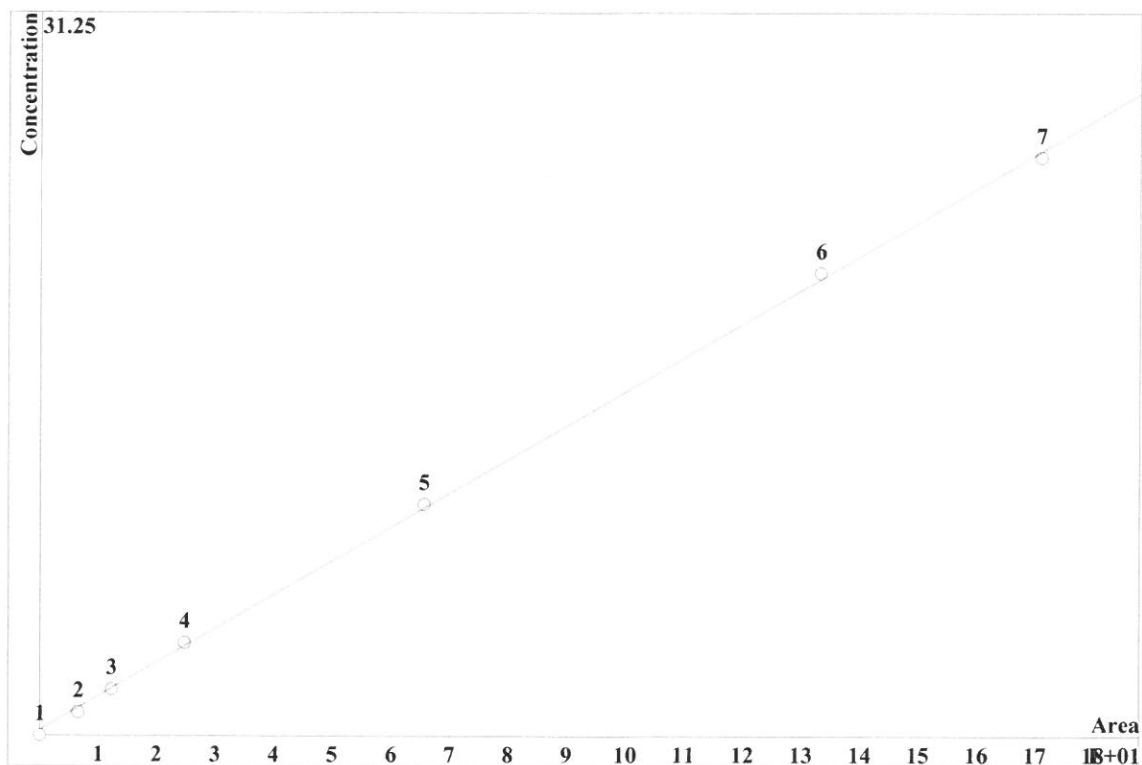
K3 = 0      K2 = 0      K1 = 0.558136      K0 = 1.74123

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     | 0.636  | 10.14 | 0.3   | 20      | 10.66     | Yes  |      |
| 3     | 1.201  | 19.3  | 0.6   | 20      | 10.66     | Yes  |      |
| 4     | 2.388  | 38.43 | 1.2   | 20      | 10.66     | Yes  |      |
| 5     | 6.168  | 101.7 | 3     | 20      | 10.66     | Yes  |      |
| 6     | 12.38  | 210.2 | 6     | 20      | 10.66     | Yes  |      |
| 7     | 15.64  | 268   | 7.5   | 20      | 10.66     | Yes  |      |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 08-12-19.mtw  
 Equation:  $Q = 2.92854 \cdot A + 4.91452$   
 RSD: 2.273 %  
 Correlation coefficient: 0.999782



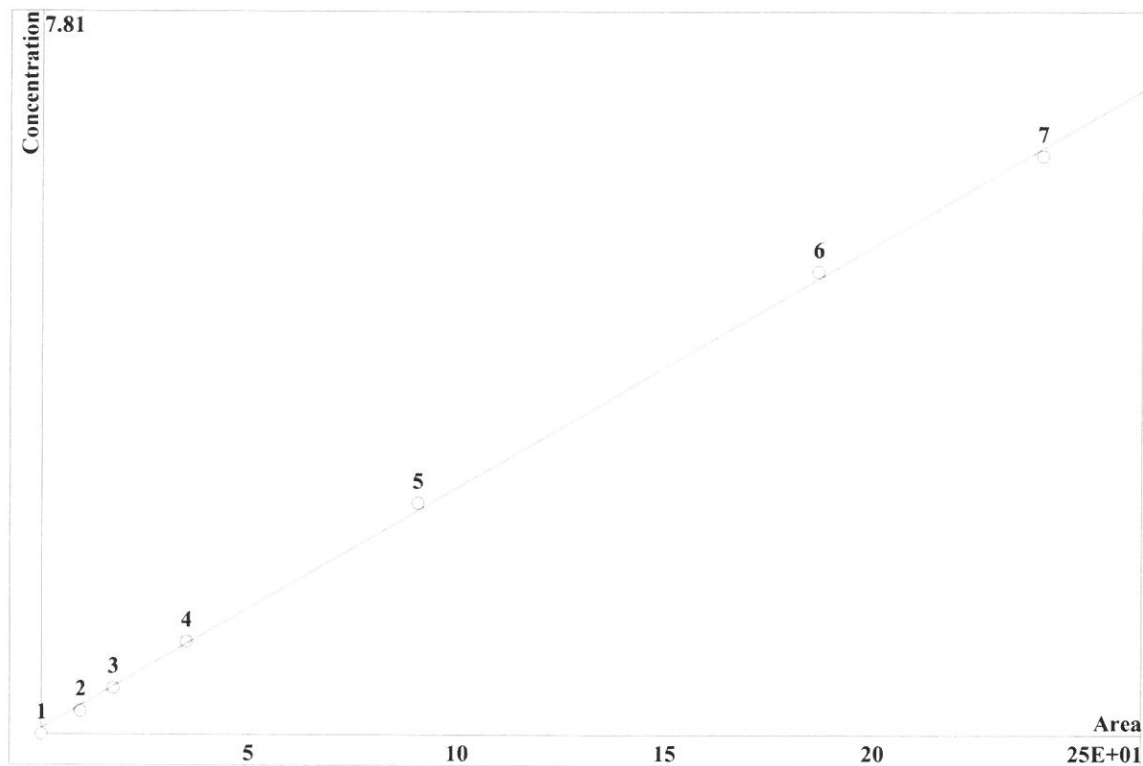
K3 = 0      K2 = 0      K1 = 2.92854      K0 = 4.91452

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     | 0.3295 | 6.619 | 1     | 20      | 13.72     | Yes  |      |
| 3     | 0.6246 | 12.33 | 2     | 20      | 13.72     | Yes  |      |
| 4     | 1.252  | 24.8  | 4     | 20      | 13.72     | Yes  |      |
| 5     | 3.333  | 65.58 | 10    | 20      | 13.72     | Yes  |      |
| 6     | 6.905  | 133.2 | 20    | 20      | 13.72     | Yes  |      |
| 7     | 8.901  | 170.8 | 25    | 20      | 13.72     | Yes  |      |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 08-12-19.mtw  
 Equation:  $Q = 0.520397 \cdot A + 1.36067$   
 RSD: 3.001 %  
 Correlation coefficient: 0.999619



K3 = 0      K2 = 0      K1 = 0.520397      K0 = 1.36067

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

Weight: 1

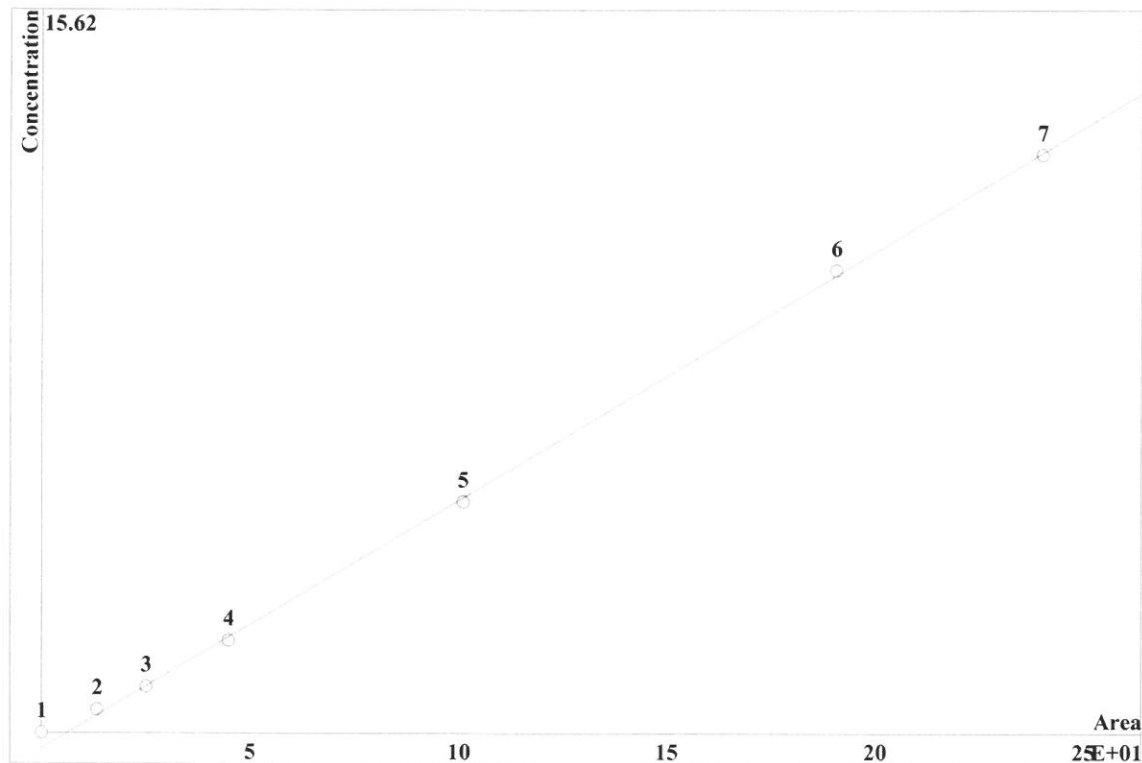
| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|------|-------|---------|-----------|------|------|
|-------|--------|------|-------|---------|-----------|------|------|

|   |        |       |      |    |       |  |     |
|---|--------|-------|------|----|-------|--|-----|
| 1 | 0      | 0     | 0    | 0  | 0     |  | No  |
| 2 | 0.3859 | 9.419 | 0.25 | 20 | 15.85 |  | Yes |
| 3 | 0.7249 | 17.45 | 0.5  | 20 | 15.85 |  | Yes |
| 4 | 1.434  | 35.12 | 1    | 20 | 15.85 |  | Yes |
| 5 | 3.746  | 90.47 | 2.5  | 20 | 15.85 |  | Yes |
| 6 | 7.677  | 186.6 | 5    | 20 | 15.85 |  | Yes |
| 7 | 9.919  | 240.9 | 6.25 | 20 | 15.85 |  | Yes |

±0.00

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 08-12-19.mtw  
 Equation:  $Q = 1.07309 \cdot A - 6.63055$   
 RSD: 1.970 %  
 Correlation coefficient: 0.999836



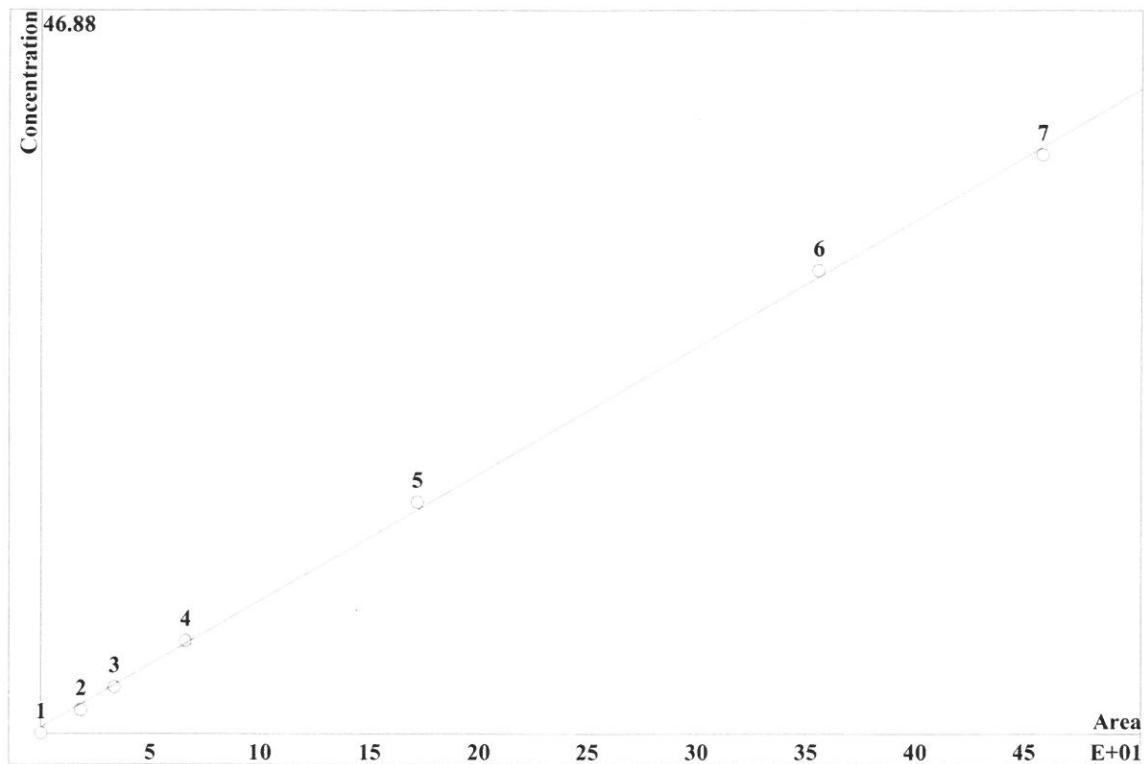
K3 = 0      K2 = 0      K1 = 1.07309      K0 = -6.63055

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     | 0.3191 | 13.37 | 0.5   | 20      | 21.46     |      |      | Yes |
| 3     | 0.6    | 25.19 | 1     | 20      | 21.46     |      |      | Yes |
| 4     | 1.108  | 44.9  | 2     | 20      | 21.46     |      |      | Yes |
| 5     | 2.547  | 101   | 5     | 20      | 21.46     |      |      | Yes |
| 6     | 4.926  | 190.5 | 10    | 20      | 21.46     |      |      | Yes |
| 7     | 6.302  | 239.9 | 12.5  | 20      | 21.46     |      |      | Yes |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 08-12-19.mtw  
 Equation:  $Q = 1.64269 \cdot A + 7.89423$   
 RSD: 3.073 %  
 Correlation coefficient: 0.999601



K3 = 0      K2 = 0      K1 = 1.64269      K0 = 7.89423

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     | 0.5357 | 18.37 | 1.5   | 20      | 24.69     |      |      | Yes |
| 3     | 0.9857 | 33.79 | 3     | 20      | 24.69     |      |      | Yes |
| 4     | 1.937  | 66.29 | 6     | 20      | 24.69     |      |      | Yes |
| 5     | 5.049  | 171.7 | 15    | 20      | 24.69     |      |      | Yes |
| 6     | 10.45  | 355.3 | 30    | 20      | 24.69     |      |      | Yes |
| 7     | 13.48  | 458   | 37.5  | 20      | 24.69     |      |      | Yes |

Report date: 8/13/2019 9:20:56 AM  
Printed by: wet

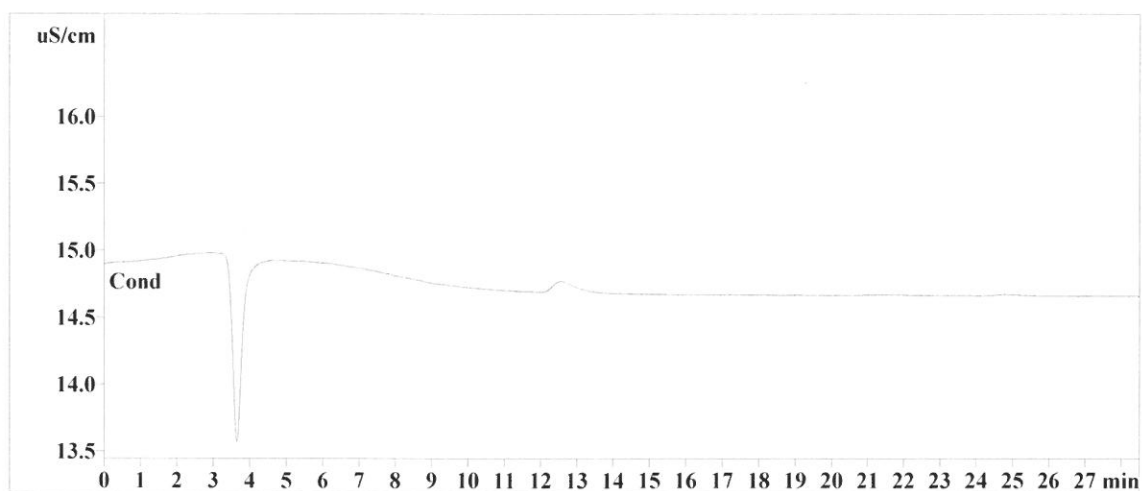
Ident: STD1  
Analysis from: 8/12/2019 9:48:32 AM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:14:24 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68281

Last save: 8/12/2019 2:10:34 PM

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



Quantitation method: Custom

No peaks

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Report date: 8/13/2019 9:21:04 AM  
Printed by: wet

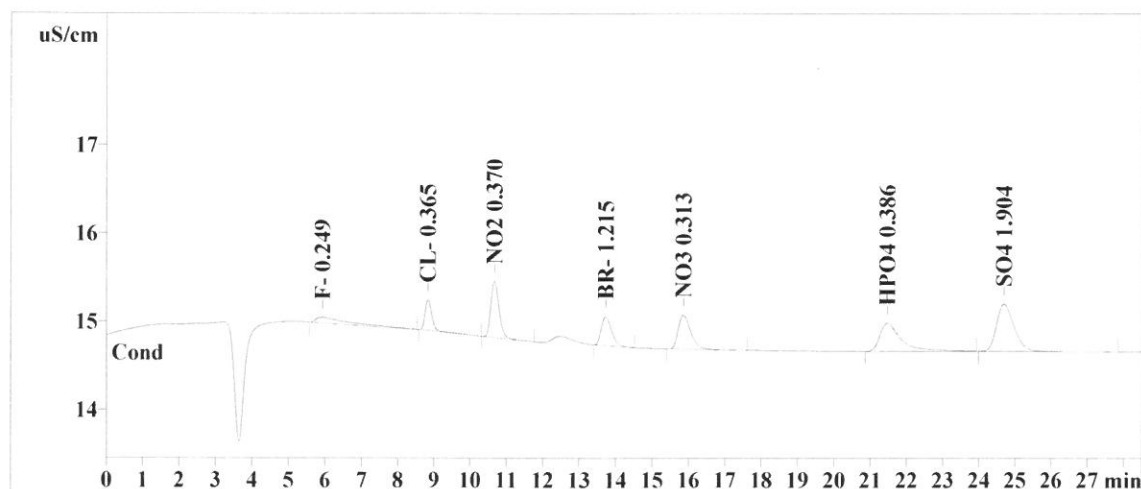
Ident: STD2  
Analysis from: 8/12/2019 10:19:57 AM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:14:24 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68282

Last save: 8/12/2019 2:10:34 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.94             | 0.781          | 0.07            | 2.57        | 4.307             | 6.42      | 0. |
| 2  | 8.83             | 0.201          | 0.35            | 13.23       | 4.878             | 7.27      | 0. |
| 3  | 10.66            | 0.242          | 0.64            | 24.25       | 10.136            | 15.11     | 0. |
| 4  | 13.72            | 0.312          | 0.33            | 12.53       | 6.619             | 9.86      | 0. |
| 5  | 15.85            | 0.366          | 0.39            | 14.71       | 9.419             | 14.04     | 0. |
| 6  | 21.46            | 0.571          | 0.32            | 12.15       | 13.368            | 19.92     | 0. |
| 7  | 24.69            | 0.516          | 0.54            | 20.42       | 18.373            | 27.38     | 0. |
| 7  | 28.50            | 0.427          | 2.62            | 99.86       | 67.101            | 100.00    | 0. |

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Report date: 8/13/2019 9:21:11 AM  
Printed by: wet

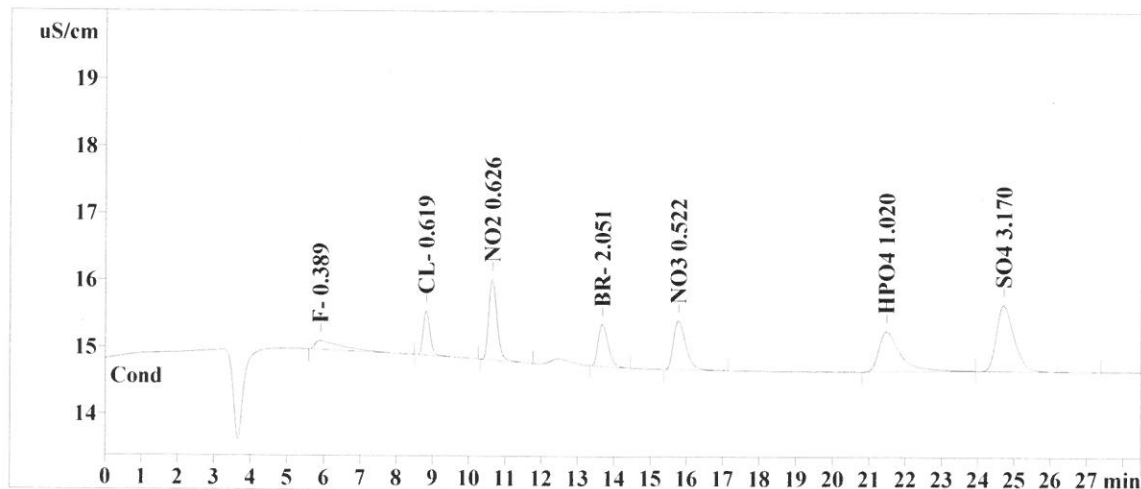
Ident: STD3  
Analysis from: 8/12/2019 10:51:21 AM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:14:24 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68283

Last save: 8/12/2019 2:10:34 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.90             | 0.775          | 0.13            | 2.64        | 7.141             | 5.76      | 0. |
| 2  | 8.81             | 0.201          | 0.65            | 13.24       | 8.811             | 7.11      | 0. |
| 3  | 10.63            | 0.243          | 1.20            | 24.43       | 19.297            | 15.56     | 0. |
| 4  | 13.66            | 0.304          | 0.62            | 12.70       | 12.330            | 9.94      | 0. |
| 5  | 15.77            | 0.365          | 0.72            | 14.73       | 17.451            | 14.07     | 0. |
| 6  | 21.46            | 0.578          | 0.60            | 12.19       | 25.188            | 20.31     | 0. |
| 7  | 24.70            | 0.516          | 0.99            | 20.04       | 33.788            | 27.25     | 0. |
| 7  | 28.50            | 0.426          | 4.92            | 99.96       | 124.006           | 100.00    | 0. |

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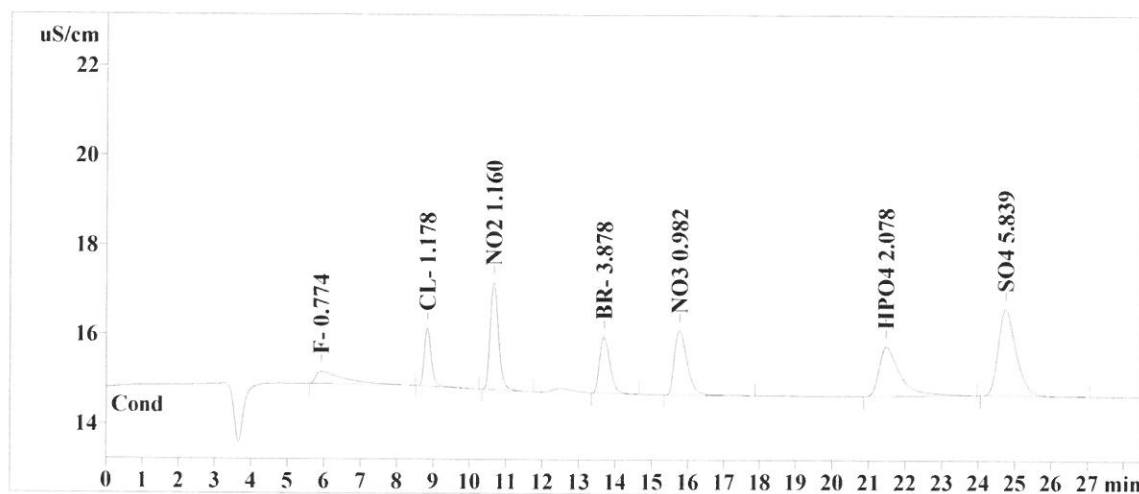
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Analysis from: 8/12/2019 11:22:46 AM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:14:24 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68284

Last save: 8/12/2019 2:10:34 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.92             | 0.757          | 0.27            | 2.82        | 14.932            | 6.17      | 0. |
| 2  | 8.83             | 0.202          | 1.29            | 13.33       | 17.465            | 7.22      | 0. |
| 3  | 10.65            | 0.245          | 2.39            | 24.66       | 38.430            | 15.88     | 0. |
| 4  | 13.67            | 0.304          | 1.25            | 12.93       | 24.803            | 10.25     | 0. |
| 5  | 15.76            | 0.370          | 1.43            | 14.80       | 35.122            | 14.52     | 0. |
| 6  | 21.47            | 0.559          | 1.11            | 11.44       | 44.903            | 18.56     | 0. |
| 7  | 24.73            | 0.517          | 1.94            | 20.00       | 66.291            | 27.40     | 0. |
| 7  | 28.50            | 0.422          | 9.68            | 99.98       | 241.946           | 100.00    | 0. |

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Report date: 8/13/2019 9:21:29 AM  
Printed by: wet

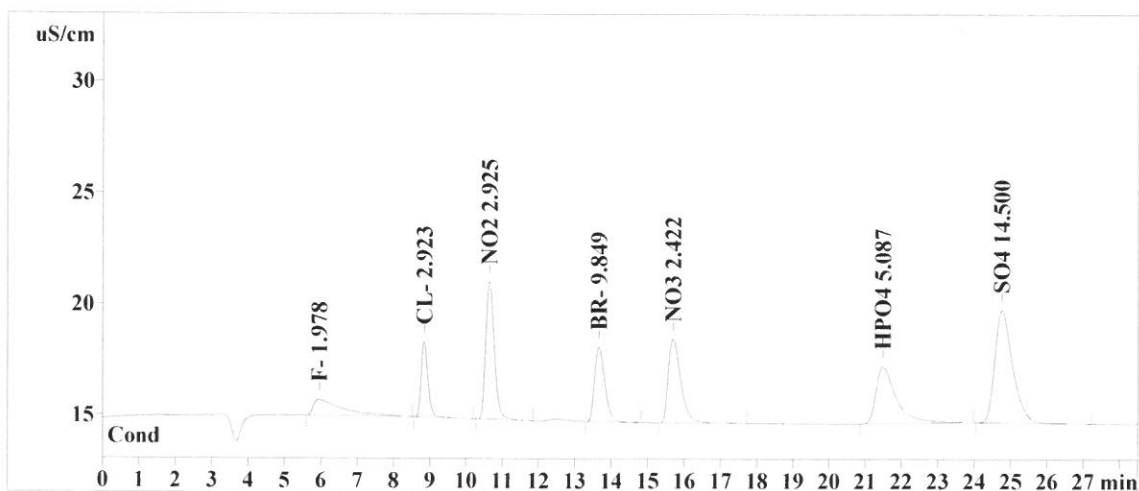
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Analysis from: 8/12/2019 11:54:11 AM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:14:24 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68285

Last save: 8/12/2019 2:10:34 PM

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  | 5.95             | 0.748          | 0.71            | 2.85        | 39.292            | 6.40      | 0. |
| 2  | 8.84             | 0.199          | 3.37            | 13.54       | 44.473            | 7.24      | 0. |
| 3  | 10.64            | 0.251          | 6.17            | 24.75       | 101.710           | 16.56     | 0. |
| 4  | 13.65            | 0.301          | 3.33            | 13.37       | 65.581            | 10.68     | 0. |
| 5  | 15.69            | 0.366          | 3.75            | 15.03       | 90.471            | 14.73     | 0. |
| 6  | 21.49            | 0.550          | 2.55            | 10.22       | 100.980           | 16.44     | 0. |
| 7  | 24.75            | 0.514          | 5.05            | 20.25       | 171.729           | 27.96     | 0. |
| 7  | 28.50            | 0.419          | 24.93           | 99.99       | 614.236           | 100.00    | 0. |

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Report date: 8/13/2019 9:21:37 AM  
Printed by: wet

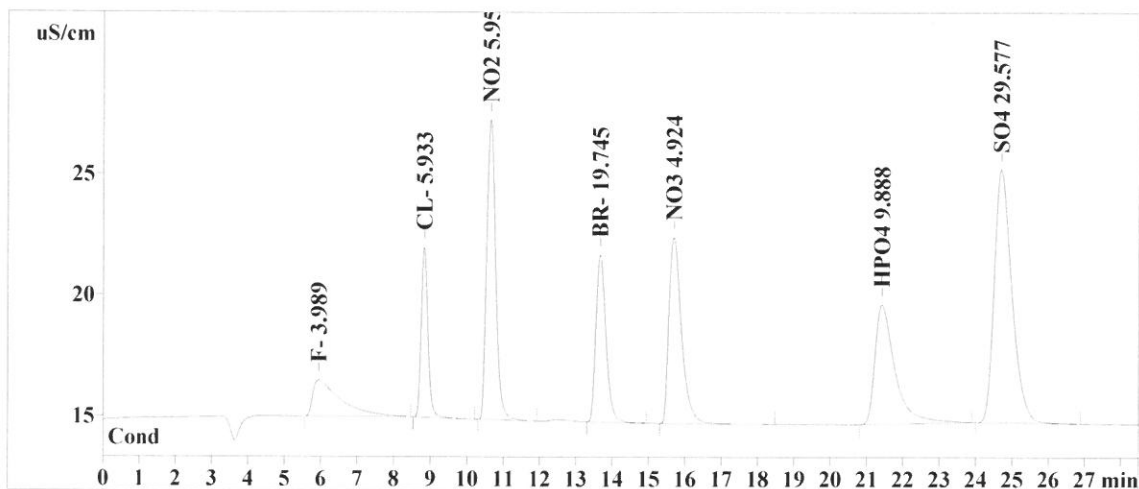
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File: \_2019-08-12\_

Last save: 8/12/2019 2:14:24 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68286

Last save: 8/12/2019 2:10:34 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  | 5.94             | 0.744          | 1.50            | 2.94        | 79.991            | 6.42      | 0. |
| 2  | 8.82             | 0.196          | 7.01            | 13.79       | 91.067            | 7.30      | 0. |
| 3  | 10.62            | 0.259          | 12.38           | 24.35       | 210.204           | 16.86     | 0. |
| 4  | 13.66            | 0.293          | 6.90            | 13.58       | 133.168           | 10.68     | 0. |
| 5  | 15.68            | 0.366          | 7.68            | 15.10       | 186.643           | 14.97     | 0. |
| 6  | 21.41            | 0.543          | 4.93            | 9.69        | 190.461           | 15.28     | 0. |
| 7  | 24.68            | 0.516          | 10.44           | 20.55       | 355.299           | 28.50     | 0. |
| 7  | 28.50            | 0.417          | 50.83           | 100.00      | 1246.832          | 100.00    | 0. |

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Report date: 8/13/2019 9:21:45 AM  
Printed by: wet

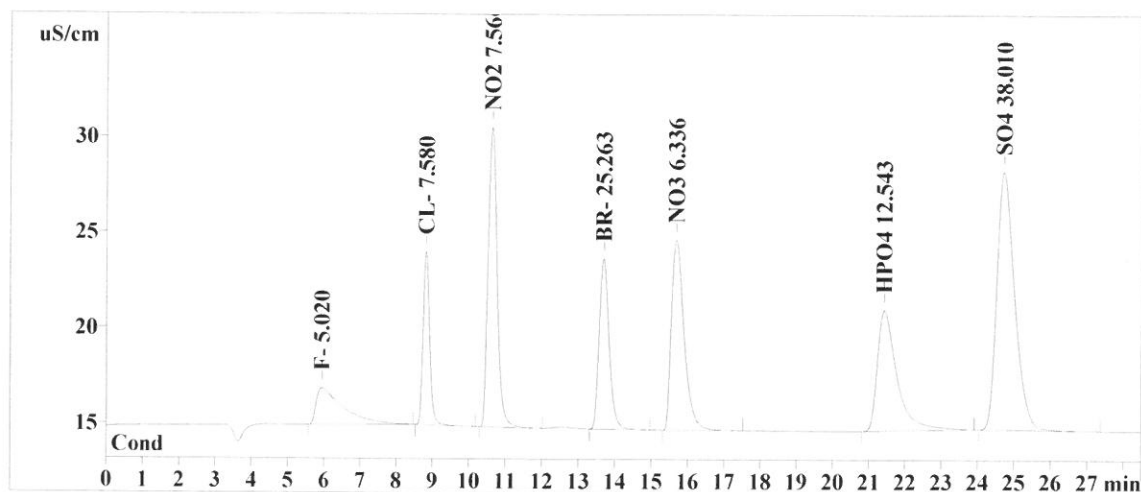
Ident: STD7  
Analysis from: 8/12/2019 12:57:01 PM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:15:16 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68287

Last save: 8/12/2019 2:10:34 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  | 5.94             | 0.728          | 1.91            | 2.94        | 100.841           | 6.32      | 0. |
| 2  | 8.82             | 0.195          | 9.05            | 13.88       | 116.562           | 7.31      | 0. |
| 3  | 10.61            | 0.262          | 15.64           | 23.99       | 268.009           | 16.80     | 0. |
| 4  | 13.67            | 0.291          | 8.90            | 13.65       | 170.848           | 10.71     | 0. |
| 5  | 15.67            | 0.365          | 9.92            | 15.21       | 240.906           | 15.10     | 0. |
| 6  | 21.41            | 0.536          | 6.30            | 9.66        | 239.944           | 15.04     | 0. |
| 7  | 24.71            | 0.517          | 13.48           | 20.67       | 457.977           | 28.71     | 0. |
| 7  | 28.50            | 0.413          | 65.21           | 100.00      | 1595.086          | 100.00    | 0. |

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METROHM LTD

Report date: 8/13/2019 9:22:15 AM  
Printed by: wet

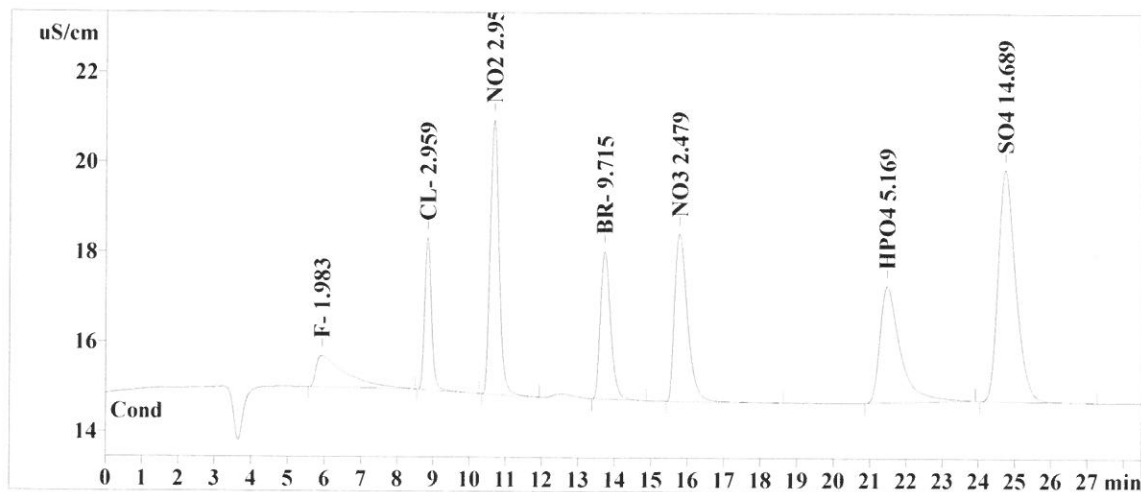
Ident: ICV  
Analysis from: 8/12/2019 1:37:26 PM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:15:16 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68288

Last save: 8/12/2019 2:10:34 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  | 5.92             | 0.779          | 0.70            | 2.80        | 39.401            | 6.34      | 0. |
| 2  | 8.83             | 0.201          | 3.38            | 13.57       | 45.027            | 7.25      | 0. |
| 3  | 10.65            | 0.256          | 6.10            | 24.49       | 102.860           | 16.56     | 0. |
| 4  | 13.71            | 0.302          | 3.28            | 13.16       | 64.668            | 10.41     | 0. |
| 5  | 15.77            | 0.377          | 3.72            | 14.93       | 92.660            | 14.92     | 0. |
| 6  | 21.45            | 0.551          | 2.59            | 10.40       | 102.511           | 16.50     | 0. |
| 7  | 24.71            | 0.512          | 5.14            | 20.65       | 174.031           | 28.02     | 0. |
| 7  | 28.50            | 0.425          | 24.90           | 100.00      | 621.158           | 100.00    | 0. |

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Report date: 8/13/2019 9:23:53 AM  
Printed by: wet

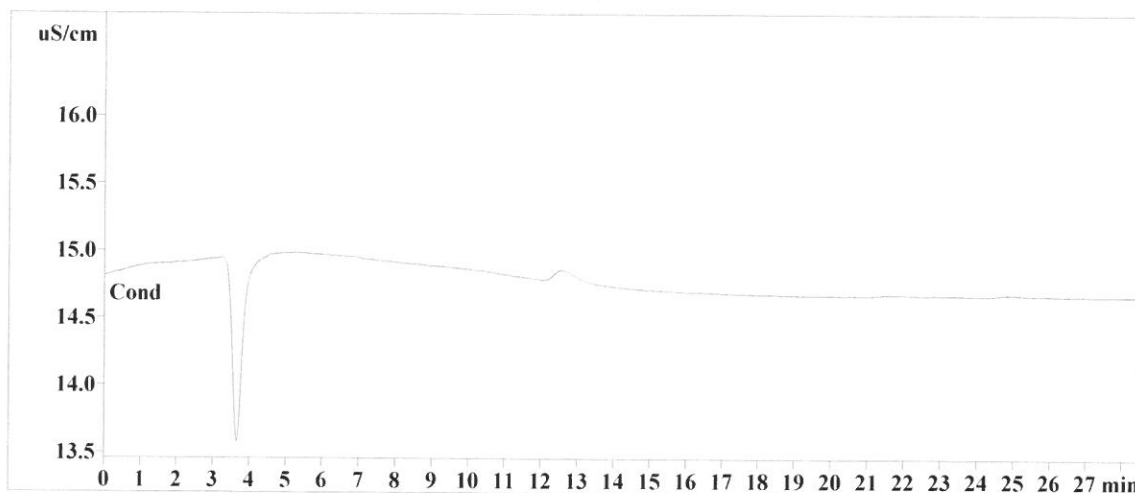
Ident: ICB  
Analysis from: 8/12/2019 2:18:43 PM  
File: \_2019-08-12\_

Last save: 8/12/2019 2:47:02 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68289

Last save: 8/12/2019 2:14:14 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: 8/20/2019 2:52:43 PM  
Printed by: wet

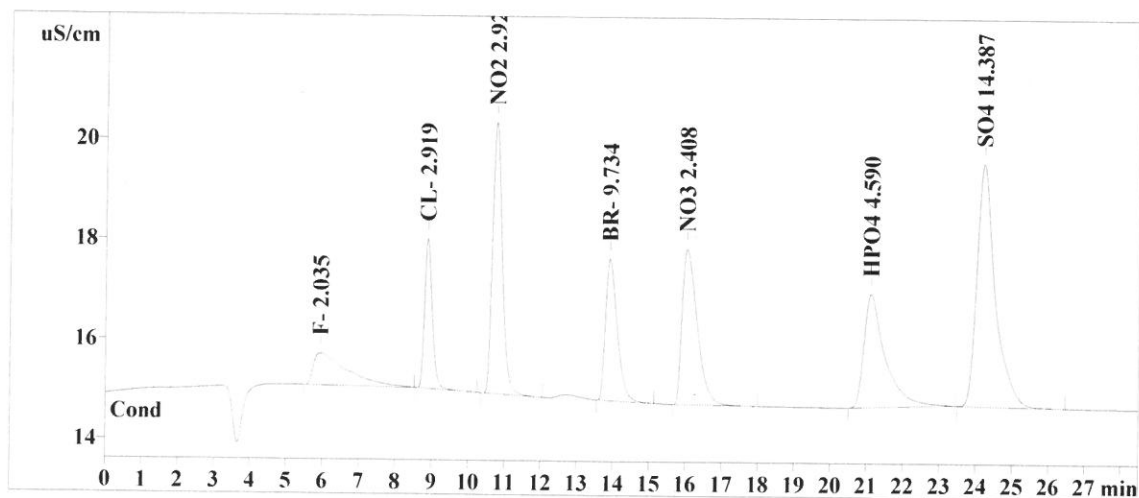
Ident: CCV  
Analysis from: 8/20/2019 8:15:19 AM  
File: \_2019-08-20\_

Last save: 8/20/2019 8:43:38 AM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68377

Last save: 8/12/2019 2:14:14 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.95             | 0.908          | 0.64            | 2.89        | 40.444            | 6.70      | 0. |
| 2  | 8.87             | 0.225          | 2.99            | 13.53       | 44.401            | 7.36      | 0. |
| 3  | 10.73            | 0.287          | 5.42            | 24.52       | 101.594           | 16.84     | 0. |
| 4  | 13.89            | 0.350          | 2.84            | 12.82       | 64.800            | 10.74     | 0. |
| 5  | 16.03            | 0.447          | 3.11            | 14.04       | 89.941            | 14.91     | 0. |
| 6  | 21.11            | 0.545          | 2.27            | 10.25       | 91.723            | 15.20     | 0. |
| 7  | 24.19            | 0.494          | 4.85            | 21.93       | 170.356           | 28.24     | 0. |
| 7  | 28.50            | 0.465          | 22.11           | 99.99       | 603.259           | 100.00    | 0. |

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Report date: 8/20/2019 2:52:52 PM  
Printed by: wet

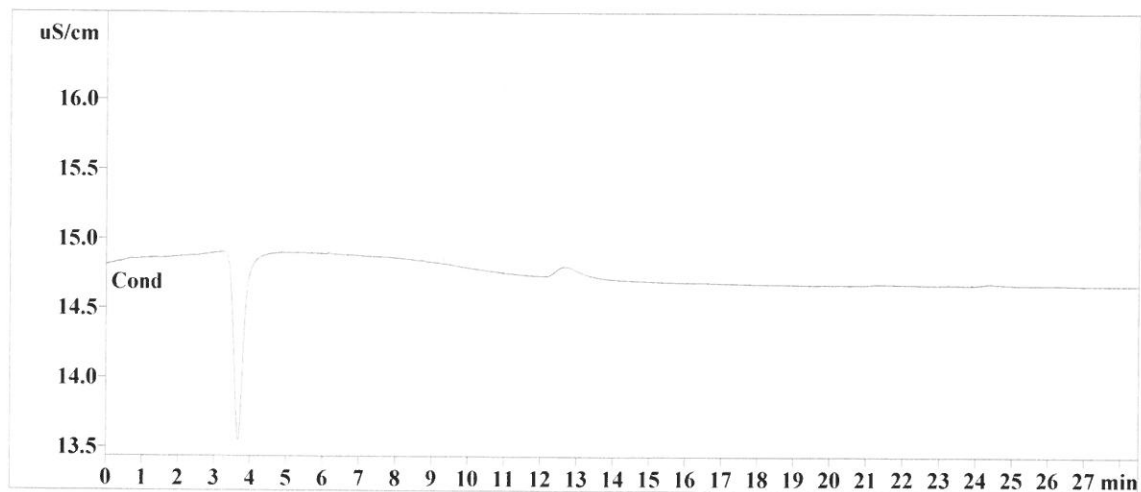
Ident: CCB  
Analysis from: 8/20/2019 9:20:45 AM  
File: \_2019-08-20\_

Last save: 8/20/2019 9:49:04 AM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68378

Last save: 8/12/2019 2:14:14 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
METROHM LTD

Report date: 8/20/2019 2:53:19 PM  
Printed by: wet

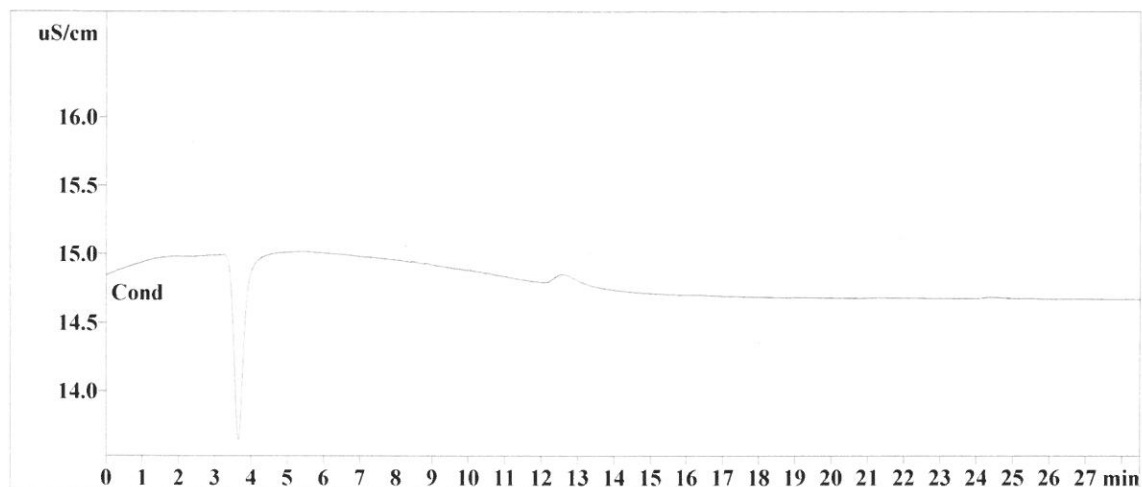
Ident: LB104696BLS  
Analysis from: 8/20/2019 9:52:10 AM  
File: \_2019-08-20\_

Last save: 8/20/2019 2:53:16 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68379

Last save: 8/12/2019 2:14:14 PM

SAMPLE: 5.00g/100mL  
: 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: 8/20/2019 2:53:26 PM  
 Printed by: wet

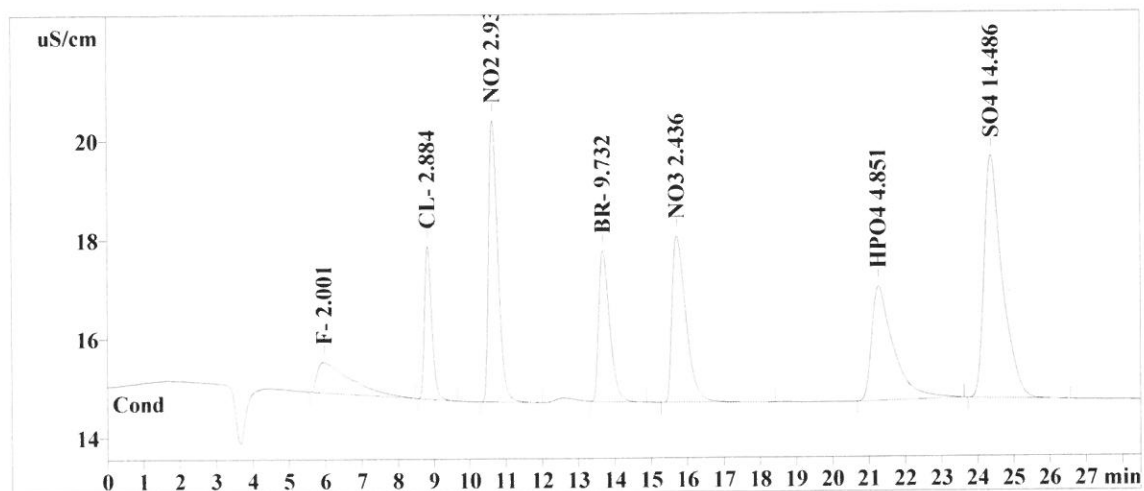
Ident: LB104696BSS  
 Analysis from: 8/20/2019 10:23:34 AM  
 File: \_2019-08-20\_

Last save: 8/20/2019 2:53:16 PM

Method: ANIONS 08-12-19.mtw  
 Run operator: wet  
 Analysis number: 68380

Last save: 8/12/2019 2:14:14 PM

SAMPLE: 5.01g/100mL  
 : 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  | 5.96             | 0.951          | 0.62            | 2.68        | 39.752            | 6.52      | 0. |
| 2  | 8.82             | 0.216          | 3.09            | 13.45       | 43.859            | 7.19      | 0. |
| 3  | 10.63            | 0.276          | 5.68            | 24.70       | 102.099           | 16.75     | 0. |
| 4  | 13.67            | 0.327          | 3.04            | 13.23       | 64.784            | 10.63     | 0. |
| 5  | 15.71            | 0.416          | 3.35            | 14.59       | 91.010            | 14.93     | 0. |
| 6  | 21.27            | 0.586          | 2.31            | 10.06       | 96.589            | 15.84     | 0. |
| 7  | 24.39            | 0.506          | 4.90            | 21.30       | 171.560           | 28.14     | 0. |
| 7  | 28.50            | 0.468          | 22.99           | 100.00      | 609.654           | 100.00    | 0. |

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 METROHM LTD

Report date: 8/20/2019 2:53:36 PM  
Printed by: wet

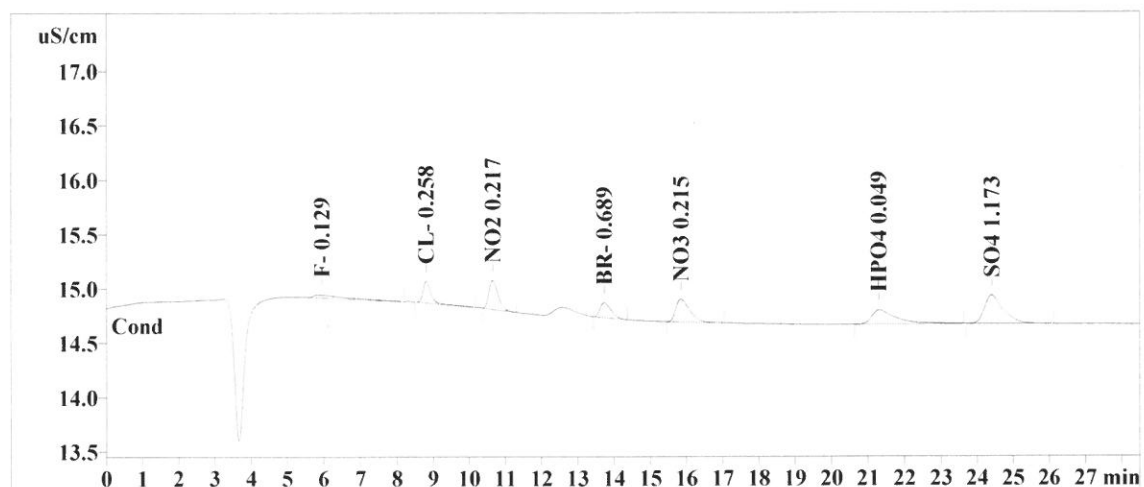
Ident: K3591-03  
Analysis from: 8/20/2019 10:54:58 AM  
File: \_2019-08-20\_

Last save: 8/20/2019 2:52:08 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68381

Last save: 8/12/2019 2:14:14 PM

SAMPLE: 5.01g/100mL  
AK/AP  
Vial number: 10  
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             | 0.844          | 0.03            | 2.21        | 1.880             | 5.52      | 0. |
| 2  | 8.80             | 0.225          | 0.20            | 16.01       | 3.215             | 9.45      | 0. |
| 3  | 10.64            | 0.271          | 0.27            | 21.46       | 4.670             | 13.72     | 0. |
| 4  | 13.73            | 0.335          | 0.14            | 11.31       | 3.026             | 8.89      | 0. |
| 5  | 15.85            | 0.413          | 0.21            | 16.93       | 5.663             | 16.64     | 0. |
| 6  | 21.30            | 0.645          | 0.13            | 10.56       | 6.101             | 17.93     | 0. |
| 7  | 24.40            | 0.518          | 0.26            | 21.15       | 9.476             | 27.84     | 0. |
| 7  | 28.50            | 0.464          | 1.23            | 99.64       | 34.031            | 100.00    | 0. |

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Report date: 8/20/2019 2:53:50 PM  
Printed by: wet

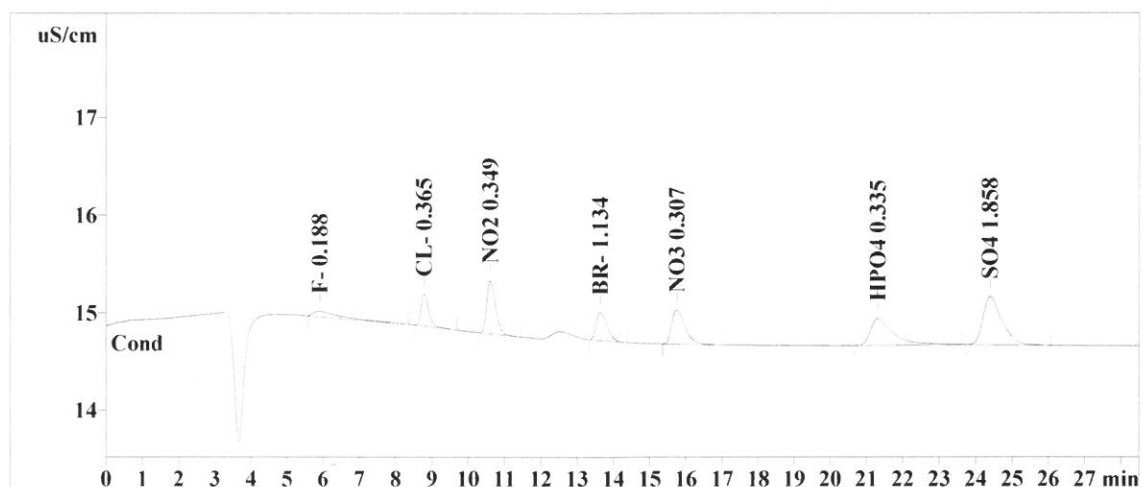
Ident: K3591-03RE  
Analysis from: 8/20/2019 11:57:48 AM  
File: \_2019-08-20\_

Last save: 8/20/2019 2:52:08 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68383

Last save: 8/12/2019 2:14:14 PM

SAMPLE: 5.02g/100mL  
: AK/AP  
Vial number: 11  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.90             | 0.683          | 0.06            | 2.46        | 3.068             | 4.88      | 0. |
| 2  | 8.78             | 0.219          | 0.33            | 13.99       | 4.867             | 7.75      | 0. |
| 3  | 10.60            | 0.263          | 0.55            | 23.24       | 9.384             | 14.94     | 0. |
| 4  | 13.63            | 0.330          | 0.29            | 12.22       | 6.067             | 9.66      | 0. |
| 5  | 15.74            | 0.402          | 0.35            | 14.94       | 9.201             | 14.65     | 0. |
| 6  | 21.31            | 0.634          | 0.28            | 11.78       | 12.419            | 19.77     | 0. |
| 7  | 24.40            | 0.532          | 0.50            | 21.13       | 17.810            | 28.35     | 0. |
| 7  | 28.50            | 0.438          | 2.34            | 99.77       | 62.816            | 100.00    | 0. |

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Report date: 8/20/2019 2:53:59 PM  
Printed by: wet

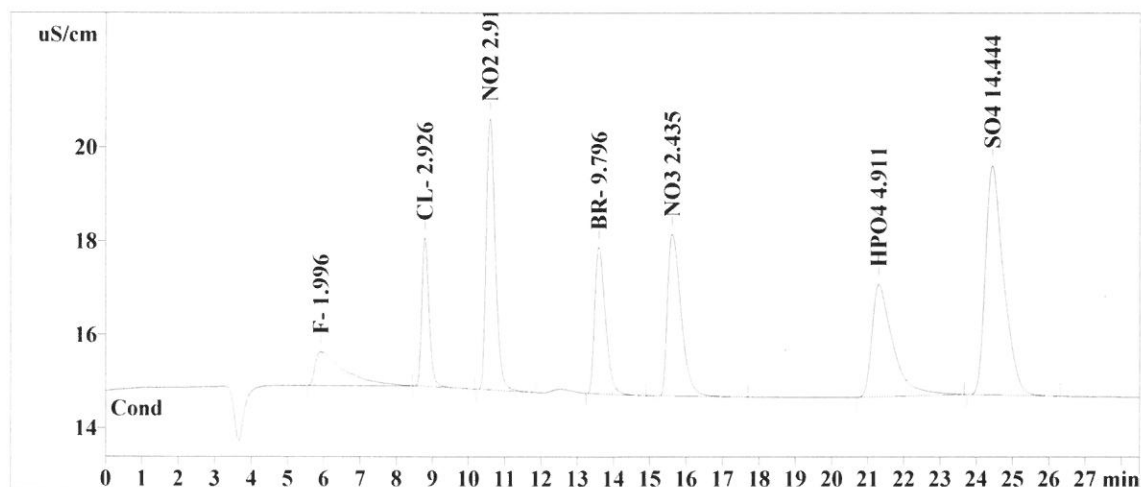
Ident: CCV  
Analysis from: 8/20/2019 12:29:12 PM  
File: \_2019-08-20\_

Last save: 8/20/2019 12:57:32 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68384

Last save: 8/12/2019 2:14:14 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.92             | 0.752          | 0.72            | 3.06        | 39.662            | 6.50      | 0. |
| 2  | 8.78             | 0.212          | 3.18            | 13.47       | 44.513            | 7.29      | 0. |
| 3  | 10.58            | 0.268          | 5.79            | 24.53       | 101.182           | 16.58     | 0. |
| 4  | 13.58            | 0.320          | 3.13            | 13.27       | 65.220            | 10.69     | 0. |
| 5  | 15.61            | 0.403          | 3.46            | 14.67       | 90.973            | 14.91     | 0. |
| 6  | 21.30            | 0.579          | 2.41            | 10.21       | 97.706            | 16.01     | 0. |
| 7  | 24.44            | 0.526          | 4.90            | 20.77       | 171.057           | 28.03     | 0. |
| 7  | 28.50            | 0.437          | 23.59           | 99.99       | 610.313           | 100.00    | 0. |

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METROHM LTD

Report date: 8/20/2019 2:54:14 PM  
Printed by: wet

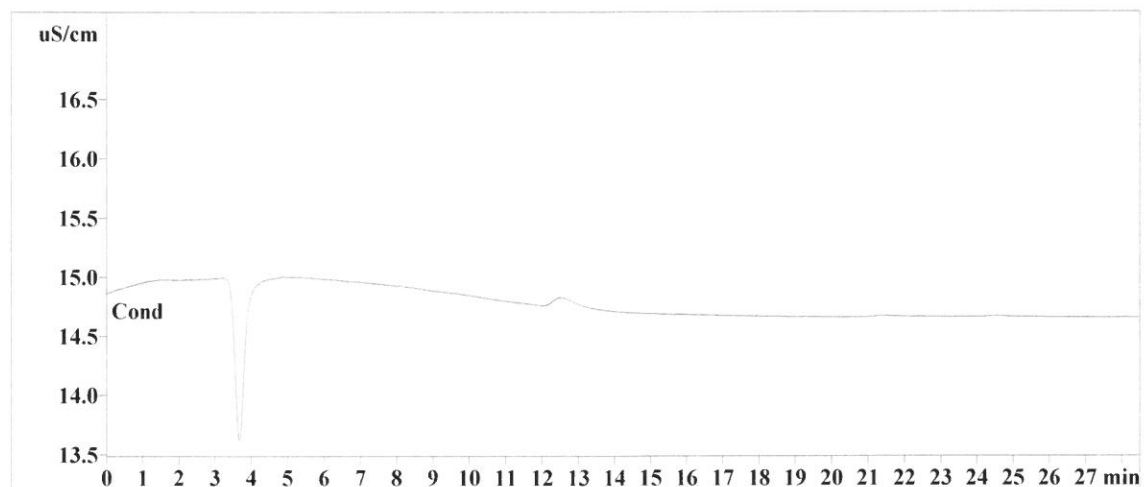
Ident: CCB  
Analysis from: 8/20/2019 1:00:36 PM  
File: \_2019-08-20\_

Last save: 8/20/2019 2:54:14 PM

Method: ANIONS 08-12-19.mtw  
Run operator: wet  
Analysis number: 68385

Last save: 8/12/2019 2:14:14 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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