

4-9-18

Clear table

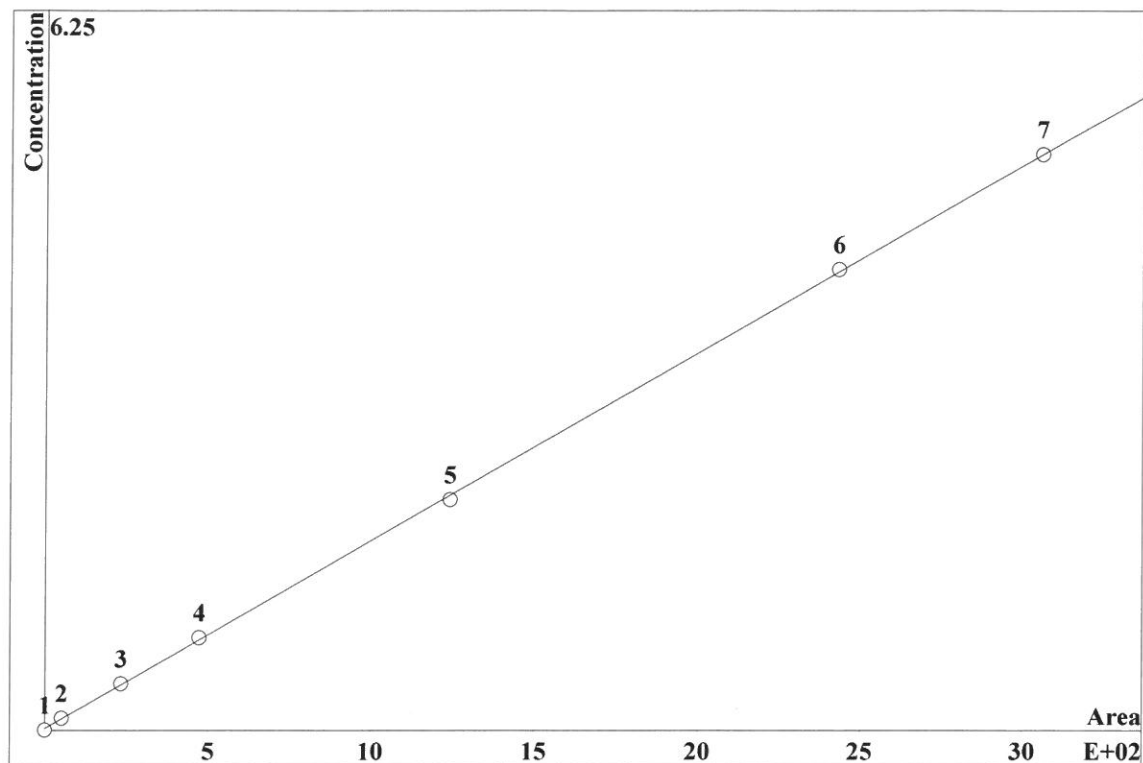
| ident      | concentrati<br>on F.- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name    | date time     |
|------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|--------------|---------------|
| STD1       | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-03-12_ | 3/12/18 14:48 |
| STD2       | 0.0990                | 0.1700                | 0.1920                | 0.5550                | 0.1400                | 0.0800                 | 0.9150                | _2018-03-12_ | 3/12/18 15:19 |
| STD3       | 0.3930                | 0.5930                | 0.6030                | 1.9660                | 0.4940                | 1.1310                 | 3.0090                | _2018-03-12_ | 3/12/18 15:50 |
| STD4       | 0.7850                | 1.1340                | 1.1260                | 3.7810                | 0.9390                | 1.9910                 | 5.6420                | _2018-03-12_ | 3/12/18 16:21 |
| STD5       | 2.0420                | 3.0590                | 3.0180                | 10.2330               | 2.5570                | 5.2610                 | 15.1600               | _2018-03-12_ | 3/12/18 16:52 |
| STD6       | 3.9820                | 6.0440                | 6.0430                | 20.1410               | 5.0470                | 9.6050                 | 30.2060               | _2018-03-12_ | 3/12/18 17:22 |
| STD7       | 5.0010                | 7.4500                | 7.4680                | 24.8250               | 6.1980                | 12.6820                | 37.3180               | _2018-03-12_ | 3/12/18 17:53 |
| ICV        | 1.9420                | 2.8620                | 2.8360                | 9.5800                | 2.3790                | 4.6970                 | 14.2480               | _2018-03-12_ | 3/12/18 19:26 |
| ICB        | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-03-12_ | 3/12/18 19:57 |
| CCV        | 1.9170                | 2.9480                | 2.9170                | 9.8640                | 2.4630                | 4.3710                 | 14.4030               | _2018-03-14_ | 3/14/18 8:51  |
| CCB        | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-03-14_ | 3/14/18 9:22  |
| LB94448BLS | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-03-14_ | 3/14/18 9:52  |
| LB94448BSS | 2.0020                | 3.0320                | 3.0280                | 10.2060               | 2.5580                | 4.7540                 | 15.7250               | _2018-03-14_ | 3/14/18 10:23 |
| J1161-01   | 0.0840                | 0.1340                | 0.1520                | 0.4340                | 0.1120                | 0.0170                 | 0.7260                | _2018-03-14_ | 3/14/18 11:58 |
| J1161-02   | 0.2240                | 0.3350                | 0.3460                | 1.1110                | 0.2900                | 0.4900                 | 1.8560                | _2018-03-14_ | 3/14/18 12:29 |
| J1161-03   | 0.0620                | 0.1000                | 0.1300                | 0.3300                | 0.0870                | -0.1250                | 0.5560                | _2018-03-14_ | 3/14/18 13:00 |
| CCV        | 2.0720                | 3.1560                | 3.1060                | 10.5470               | 2.6290                | 4.9980                 | 15.2510               | _2018-03-14_ | 3/14/18 20:34 |
| CCB        | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2018-03-14_ | 3/14/18 21:05 |

IC-2

3-12-18 AK

## CALIBRATION OF COMPONENT F-

Method: AnionsIC2-031218.mtw  
Equation:  $Q = 0.0326208 \cdot A + 0.253285$   
RSD: 1.183 %  
Correlation coefficient: 0.999943



K3 = 0      K2 = 0      K1 = 0.0326208      K0 = 0.253285

Base: Area

Ref.channel: ch1

ISTD:

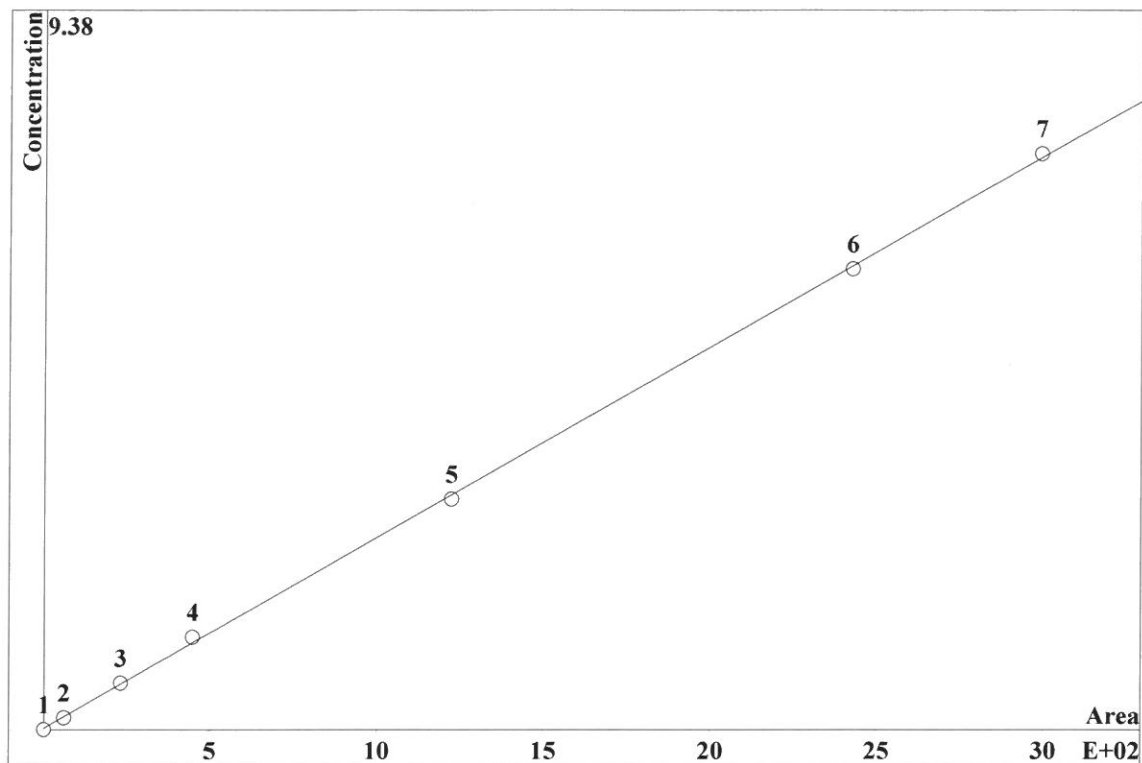
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      |
| 2     | 3.69   | 52.63 | 0.1   | 20      | 5.099     |      |      |
| 3     | 15.34  | 233.2 | 0.4   | 20      | 5.099     |      |      |
| 4     | 31.64  | 473.3 | 0.8   | 20      | 5.099     |      |      |
| 5     | 84.72  | 1244  | 2     | 20      | 5.099     |      |      |
| 6     | 162.6  | 2433  | 4     | 20      | 5.099     |      |      |
| 7     | 204.1  | 3058  | 5     | 20      | 5.099     |      |      |

CALIBRATION OF COMPONENT CL-

Method: AnionsIC2-031218.mtw  
 Equation:  $Q = 0.0497015 \cdot A + 0.332296$   
 RSD: 1.834 %  
 Correlation coefficient: 0.999863



K3 = 0      K2 = 0      K1 = 0.0497015      K0 = 0.332296

Base: Area

Ref.channel: chl

ISTD:

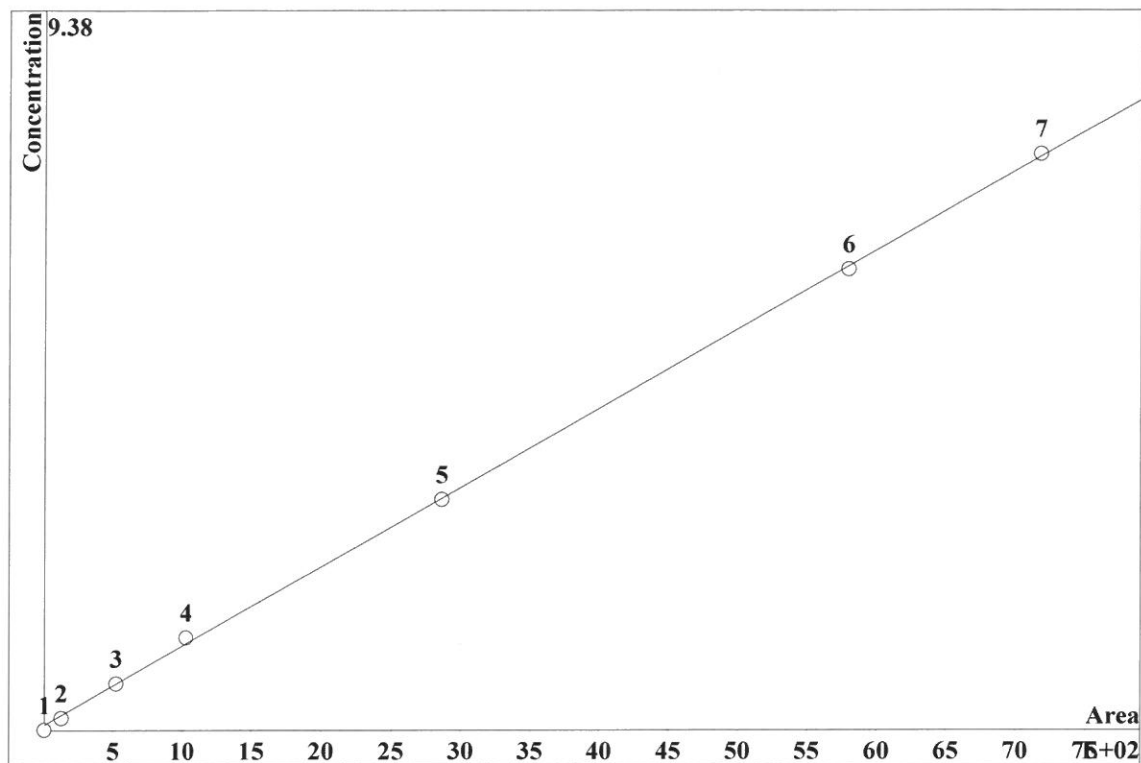
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 4.212  | 61.67 | 0.15  | 20      | 8.753     |      |      |
| 3     | 15.96  | 231.8 | 0.6   | 20      | 8.753     |      |      |
| 4     | 30.65  | 449.6 | 1.2   | 20      | 8.753     |      |      |
| 5     | 84.5   | 1224  | 3     | 20      | 8.753     |      |      |
| 6     | 169    | 2425  | 6     | 20      | 8.753     |      |      |
| 7     | 207.6  | 2991  | 7.5   | 20      | 8.753     |      |      |

CALIBRATION OF COMPONENT NO2

Method: AnionsIC2-031218.mtw  
 Equation:  $Q = 0.0206268 \cdot A + 1.27253$   
 RSD: 1.661 %  
 Correlation coefficient: 0.999887



K3 = 0      K2 = 0      K1 = 0.0206268      K0 = 1.27253

Base: Area

Ref.channel: chl

ISTD:

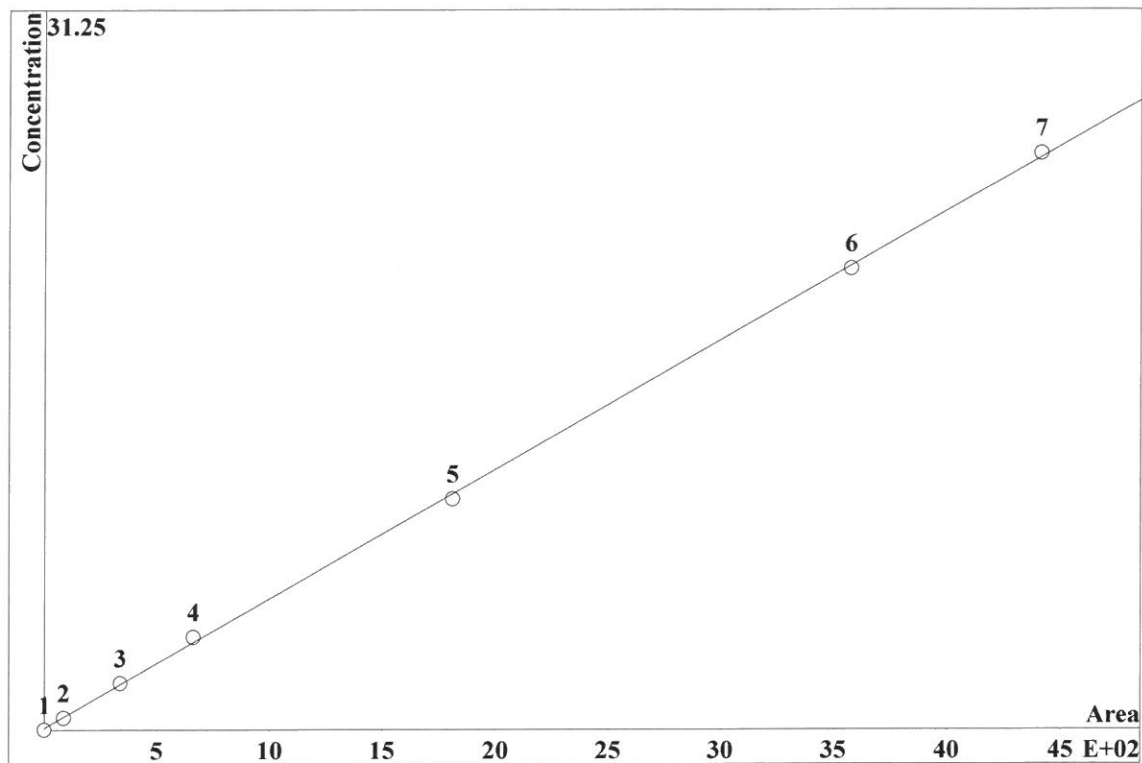
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 7.466  | 124.7 | 0.15  | 20      | 11.21     |      |      |
| 3     | 30.77  | 523.1 | 0.6   | 20      | 11.21     |      |      |
| 4     | 60.82  | 1030  | 1.2   | 20      | 11.21     |      |      |
| 5     | 170.2  | 2864  | 3     | 20      | 11.21     |      |      |
| 6     | 342.3  | 5798  | 6     | 20      | 11.21     |      |      |
| 7     | 425.3  | 7179  | 7.5   | 20      | 11.21     |      |      |

CALIBRATION OF COMPONENT BR-

Method: AnionsIC2-031218.mtw  
 Equation:  $Q = 0.112224 \cdot A + 1.31848$   
 RSD: 1.932 %  
 Correlation coefficient: 0.999848

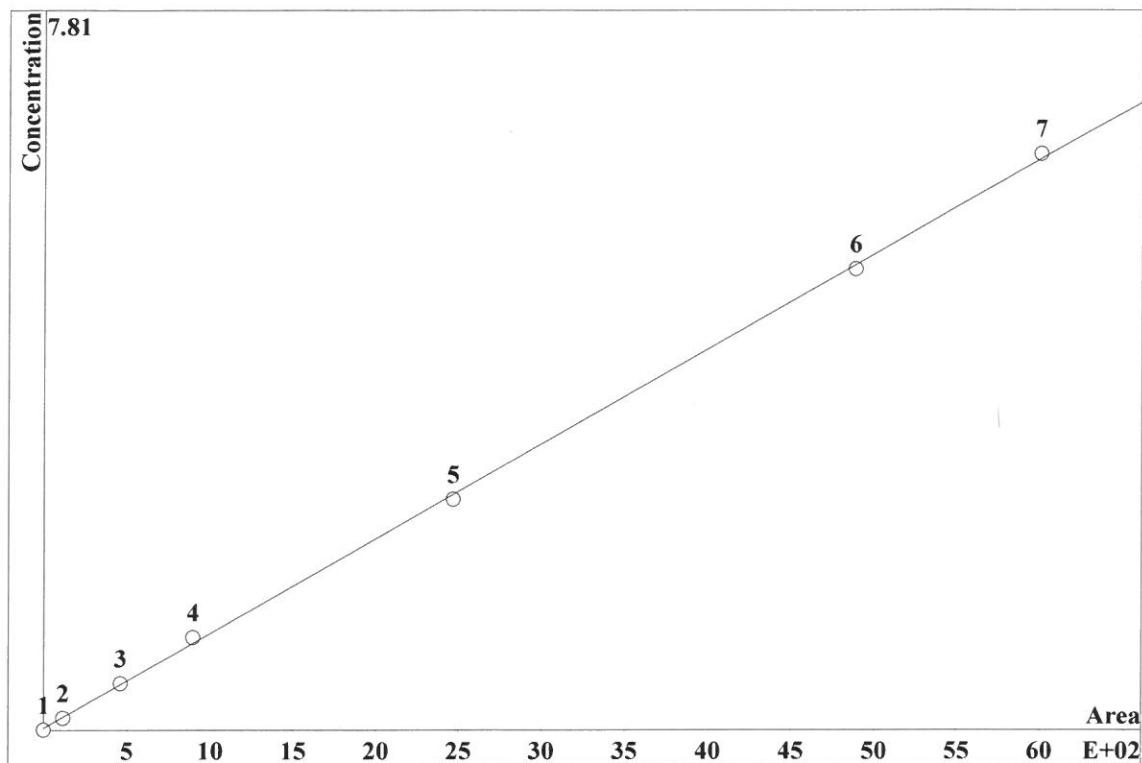


K3 = 0      K2 = 0      K1 = 0.112224      K0 = 1.31848  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      |
| 2     | 3.607  | 87.1  | 0.5   | 20      | 14.51     |      |      |
| 3     | 14.28  | 338.6 | 2     | 20      | 14.51     |      |      |
| 4     | 27.68  | 662.1 | 4     | 20      | 14.51     |      |      |
| 5     | 75.39  | 1812  | 10    | 20      | 14.51     |      |      |
| 6     | 148.6  | 3578  | 20    | 20      | 14.51     |      |      |
| 7     | 181.8  | 4412  | 25    | 20      | 14.51     |      |      |

CALIBRATION OF COMPONENT NO3

Method: AnionsIC2-031218.mtw  
 Equation:  $Q = 0.020582 \cdot A + 0.358059$   
 RSD: 2.151 %  
 Correlation coefficient: 0.999811

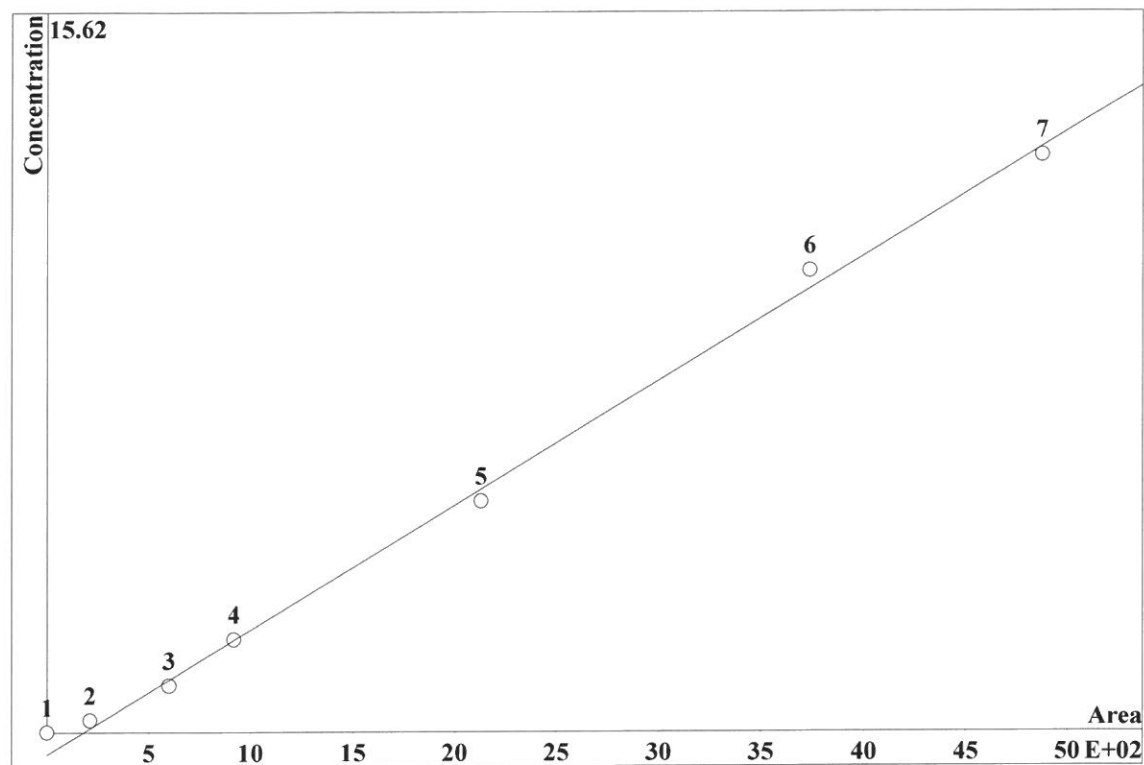


K3 = 0      K2 = 0      K1 = 0.020582      K0 = 0.358059  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 4.168  | 118.6 | 0.125 | 20      | 17.18     |      |      |
| 3     | 16.3   | 462.8 | 0.5   | 20      | 17.18     |      |      |
| 4     | 31.02  | 895.4 | 1     | 20      | 17.18     |      |      |
| 5     | 83.09  | 2467  | 2.5   | 20      | 17.18     |      |      |
| 6     | 158.8  | 4887  | 5     | 20      | 17.18     |      |      |
| 7     | 191    | 6005  | 6.25  | 20      | 17.18     |      |      |

CALIBRATION OF COMPONENT HPO4

Method: AnionsIC2-031218.mtw  
 Equation:  $Q = 0.0540131 \cdot A - 9.81679$   
 RSD: 5.375 %  
 Correlation coefficient: 0.998820

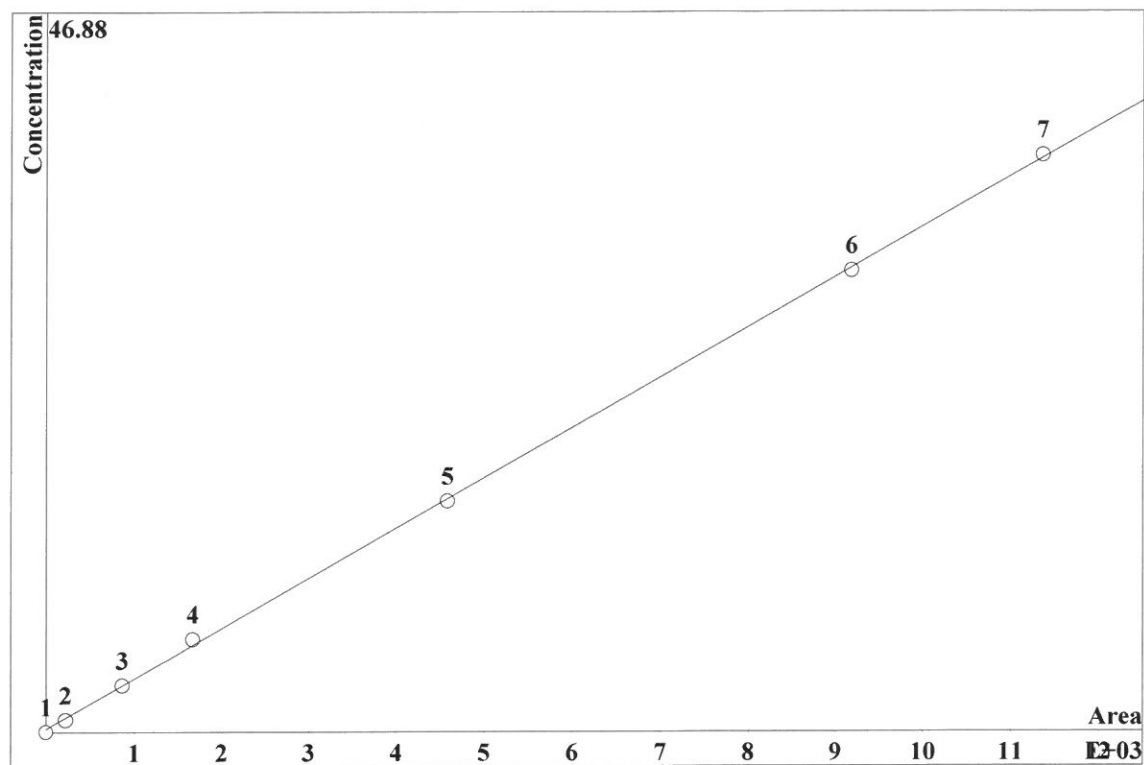


K3 = 0      K2 = 0      K1 = 0.0540131      K0 = -9.81679  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File  |
|-------|--------|-------|-------|---------|-----------|------|-------|
| 1     |        | 0     | 0     | 0       |           |      | 0     |
| 2     | 4.678  | 211.5 | 0.25  | 20      |           |      | 23.13 |
| 3     | 13.9   | 600.4 | 1     | 20      |           |      | 23.13 |
| 4     | 21.89  | 919   | 2     | 20      |           |      | 23.13 |
| 5     | 53.45  | 2130  | 5     | 20      |           |      | 23.13 |
| 6     | 96.42  | 3738  | 10    | 20      |           |      | 23.13 |
| 7     | 111.5  | 4878  | 12.5  | 20      |           |      | 23.13 |

## CALIBRATION OF COMPONENT SO4

Method: AnionsIC2-031218.mtw  
 Equation:  $Q = 0.0653755 \cdot A + 3.57615$   
 RSD: 1.648 %  
 Correlation coefficient: 0.999889



K3 = 0      K2 = 0      K1 = 0.0653755      K0 = 3.57615  
 Base: Area  
 Ref.channel: chl  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 6.231  | 225.4     | 0.75  | 20      | 25.36     |      |      |
| 3     | 24.05  | 865.8     | 3     | 20      | 25.36     |      |      |
| 4     | 46.34  | 1671      | 6     | 20      | 25.36     |      |      |
| 5     | 127.1  | 4583      | 15    | 20      | 25.36     |      |      |
| 6     | 253.6  | 9186      | 30    | 20      | 25.36     |      |      |
| 7     | 310.5  | 1.136e+04 | 37.5  | 20      | 25.36     |      |      |

Report date: 3/15/2018 9:22:39 AM  
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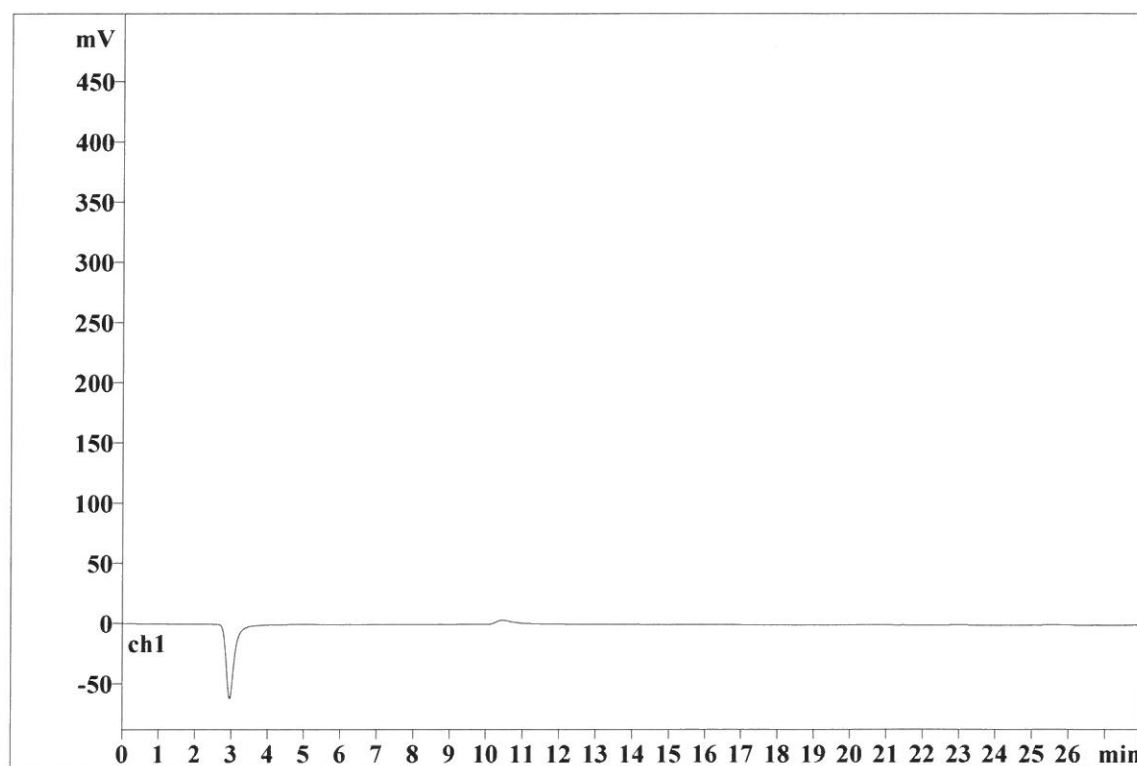
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Analysis from: 3/12/2018 2:48:21 PM  
File: \_2018-03-12\_

Last save: 3/12/2018 3:16:21 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16713

Last save: 3/12/2018 1:40:

SAMPLE:  
:  
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: 3/15/2018 9:27:52 AM  
Printed by: wet

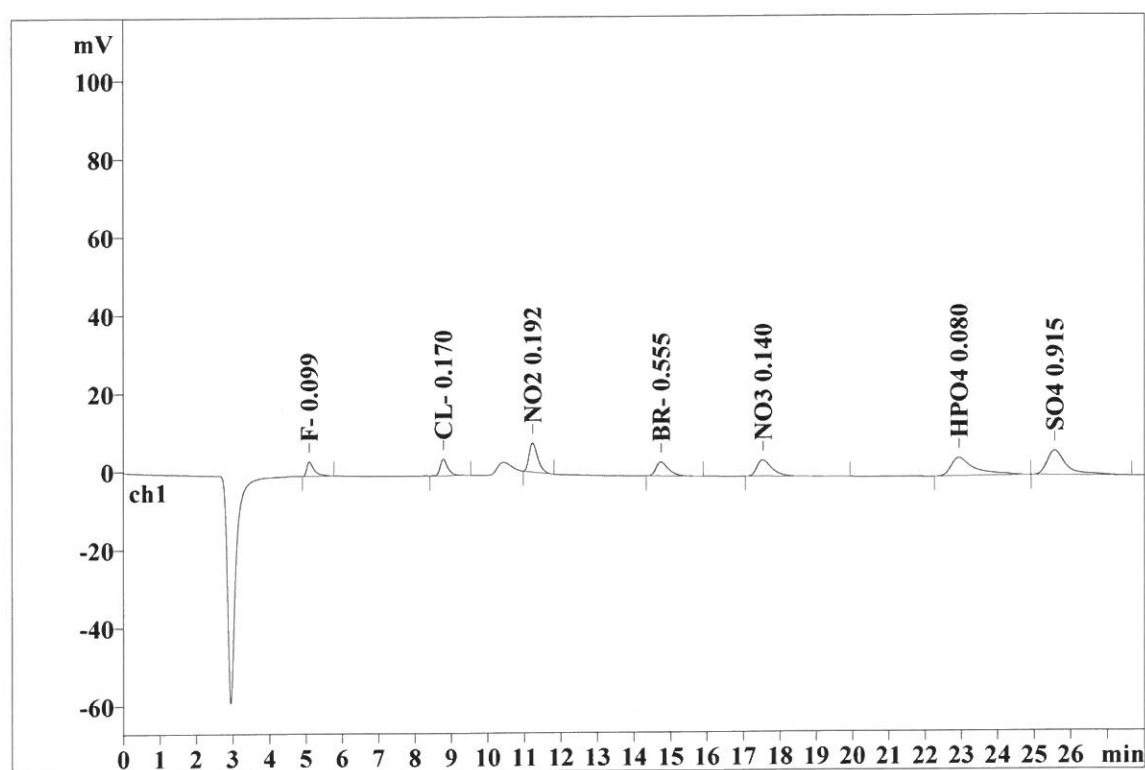
Ident: STD2  
Analysis from: 3/12/2018 3:19:16 PM  
File: \_2018-03-12\_

Last save: 3/15/2018 9:26:30 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16714

Last save: 3/12/2018 5:50:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.10             | 0.199          | 3.69         | 10.83       | 52.635         | 5.97      |
| 2  | 8.79             | 0.216          | 4.21         | 12.37       | 61.667         | 6.99      |
| 3  | 11.24            | 0.254          | 7.46         | 21.92       | 124.683        | 14.14     |
| 4  | 14.74            | 0.357          | 3.61         | 10.59       | 87.097         | 9.88      |
| 5  | 17.54            | 0.422          | 4.17         | 12.24       | 118.598        | 13.45     |
| 6  | 22.94            | 0.580          | 4.68         | 13.73       | 211.548        | 24.00     |
| 7  | 25.57            | 0.494          | 6.23         | 18.29       | 225.363        | 25.56     |
| 7  | 28.00            | 0.360          | 34.04        | 99.98       | 881.591        | 100.00    |

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Report date: 3/15/2018 9:28:14 AM  
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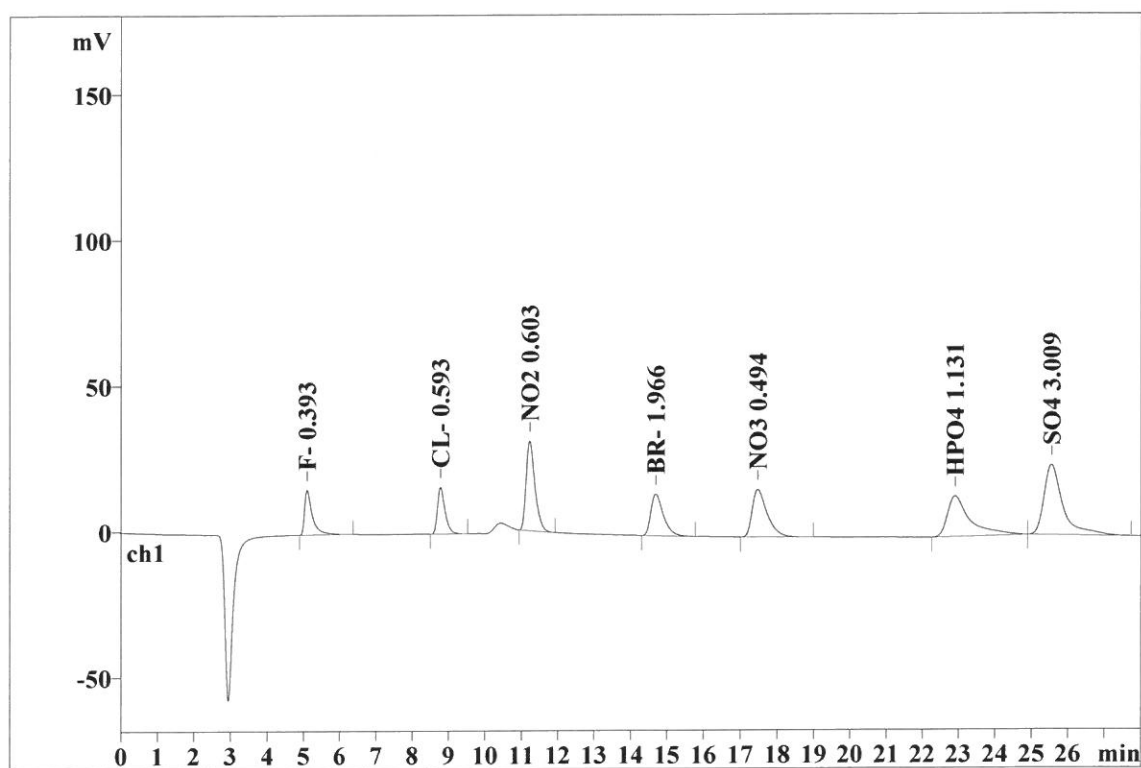
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Analysis from: 3/12/2018 3:50:12 PM  
File: \_2018-03-12\_

Last save: 3/15/2018 9:26:30 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16715

Last save: 3/12/2018 5:50:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.09             | 0.201          | 15.34        | 11.75       | 233.152        | 7.16      |
| 2  | 8.78             | 0.215          | 15.96        | 12.22       | 231.849        | 7.12      |
| 3  | 11.23            | 0.255          | 30.76        | 23.56       | 523.099        | 16.07     |
| 4  | 14.70            | 0.354          | 14.28        | 10.94       | 338.575        | 10.40     |
| 5  | 17.47            | 0.424          | 16.30        | 12.48       | 462.750        | 14.21     |
| 6  | 22.91            | 0.555          | 13.90        | 10.64       | 600.416        | 18.44     |
| 7  | 25.55            | 0.493          | 24.05        | 18.41       | 865.815        | 26.59     |
| 7  | 28.00            | 0.357          | 130.59       | 100.00      | 3255.658       | 100.00    |

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Report date: 3/15/2018 9:28:24 AM  
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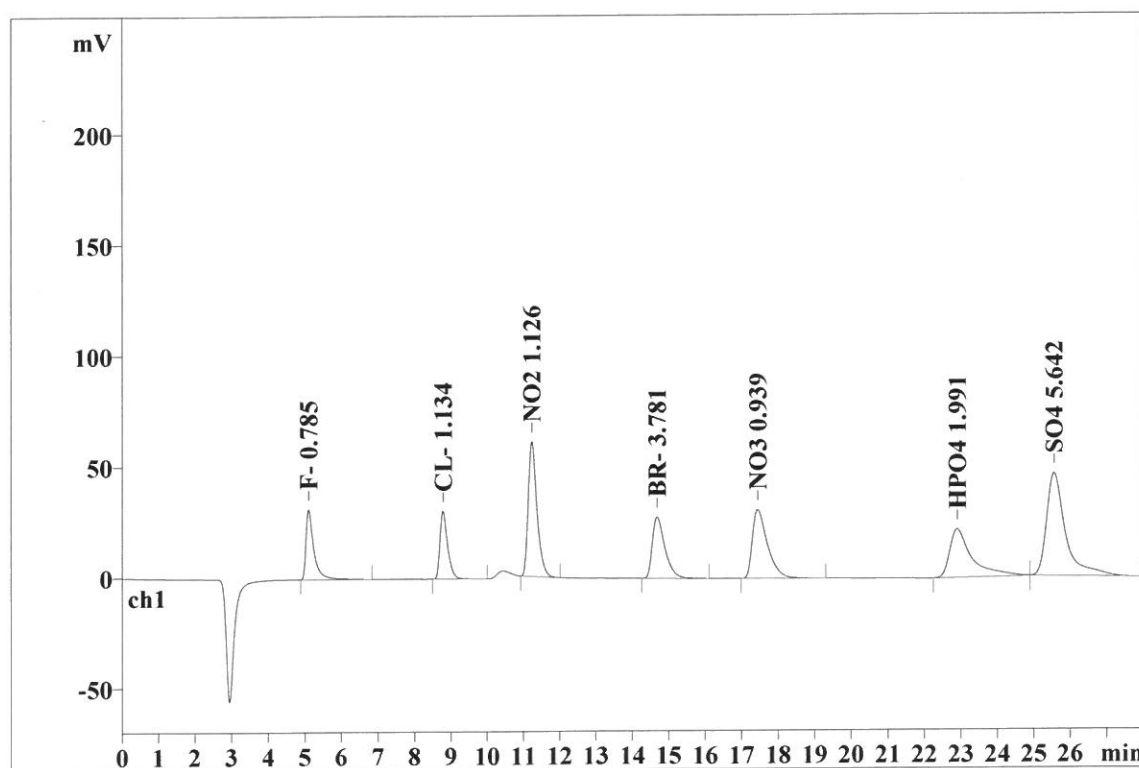
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Analysis from: 3/12/2018 4:21:07 PM  
File: \_2018-03-12\_

Last save: 3/15/2018 9:26:30 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16716

Last save: 3/12/2018 5:50:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.10             | 0.200          | 31.64        | 12.65       | 473.320        | 7.76      |
| 2  | 8.78             | 0.215          | 30.65        | 12.26       | 449.624        | 7.37      |
| 3  | 11.24            | 0.252          | 60.82        | 24.32       | 1030.197       | 16.89     |
| 4  | 14.68            | 0.355          | 27.68        | 11.07       | 662.135        | 10.85     |
| 5  | 17.44            | 0.430          | 31.02        | 12.41       | 895.396        | 14.68     |
| 6  | 22.90            | 0.543          | 21.89        | 8.75        | 919.000        | 15.06     |
| 7  | 25.56            | 0.493          | 46.34        | 18.53       | 1671.278       | 27.39     |
| 7  | 28.00            | 0.356          | 250.03       | 100.00      | 6100.950       | 100.00    |

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Report date: 3/15/2018 9:28:37 AM  
Printed by: wet

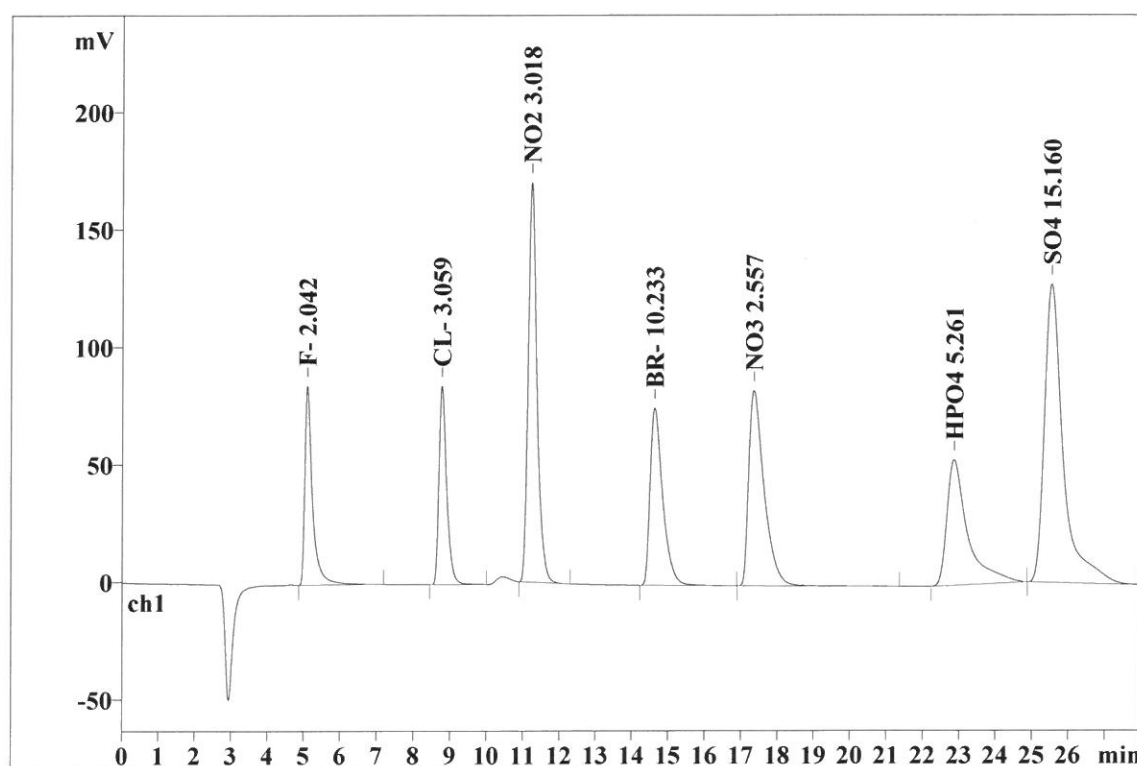
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Analysis from: 3/12/2018 4:52:03 PM  
File: \_2018-03-12\_

Last save: 3/15/2018 9:26:30 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16717

Last save: 3/12/2018 5:50:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.10             | 0.195          | 84.72        | 12.49       | 1243.953       | 7.62      |
| 2  | 8.78             | 0.212          | 84.50        | 12.45       | 1224.371       | 7.50      |
| 3  | 11.24            | 0.248          | 170.18       | 25.09       | 2864.331       | 17.55     |
| 4  | 14.63            | 0.356          | 75.38        | 11.11       | 1811.944       | 11.10     |
| 5  | 17.35            | 0.444          | 83.08        | 12.25       | 2467.367       | 15.11     |
| 6  | 22.85            | 0.520          | 53.44        | 7.88        | 2129.894       | 13.05     |
| 7  | 25.54            | 0.493          | 127.10       | 18.73       | 4583.220       | 28.07     |
| 7  | 28.00            | 0.353          | 678.41       | 100.00      | 16325.081      | 100.00    |

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Report date: 3/15/2018 9:28:50 AM  
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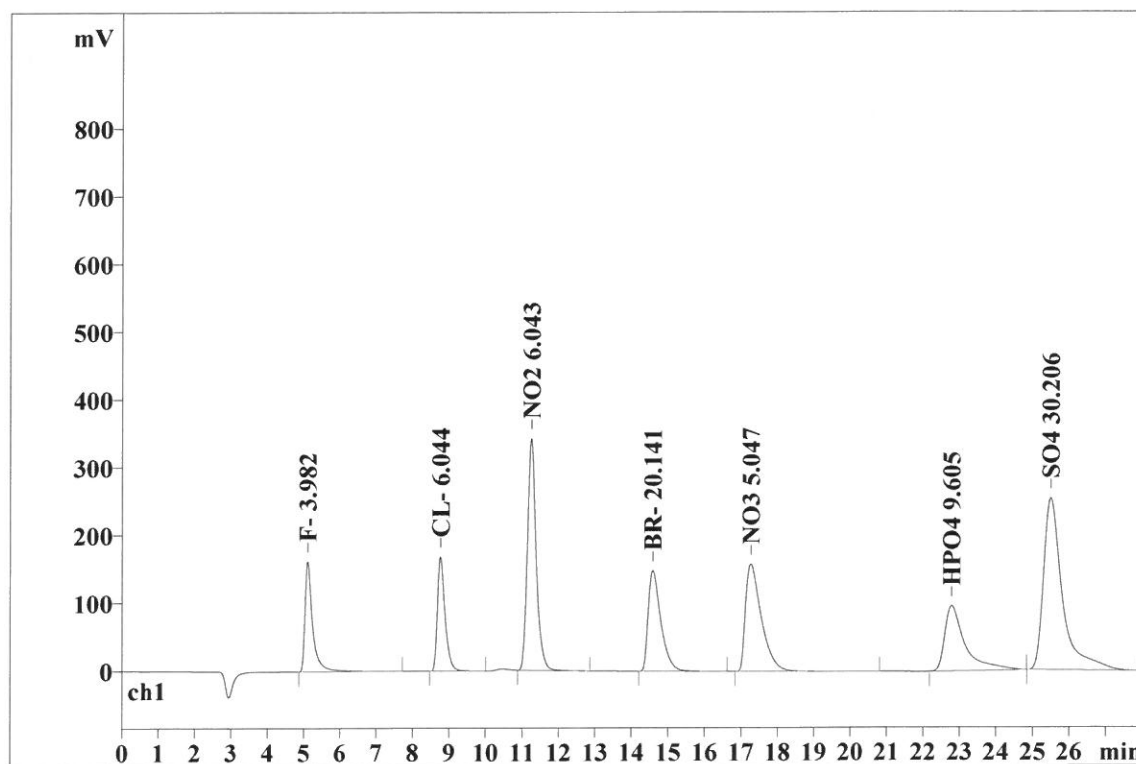
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File: \_2018-03-12\_

Last save: 3/15/2018 9:26:30 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16718

Last save: 3/12/2018 5:50:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.11             | 0.199          | 162.62       | 12.21       | 2433.439       | 7.59      |
| 2  | 8.77             | 0.210          | 169.02       | 12.69       | 2425.395       | 7.57      |
| 3  | 11.26            | 0.249          | 342.33       | 25.71       | 5797.554       | 18.09     |
| 4  | 14.58            | 0.358          | 148.60       | 11.16       | 3577.601       | 11.16     |
| 5  | 17.26            | 0.465          | 158.84       | 11.93       | 4886.878       | 15.25     |
| 6  | 22.78            | 0.512          | 96.42        | 7.24        | 3738.176       | 11.67     |
| 7  | 25.49            | 0.495          | 253.60       | 19.05       | 9185.915       | 28.67     |
| 7  | 28.00            | 0.356          | 1331.44      | 100.00      | 32044.959      | 100.00    |

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Report date: 3/15/2018 9:29:03 AM  
Printed by: wet

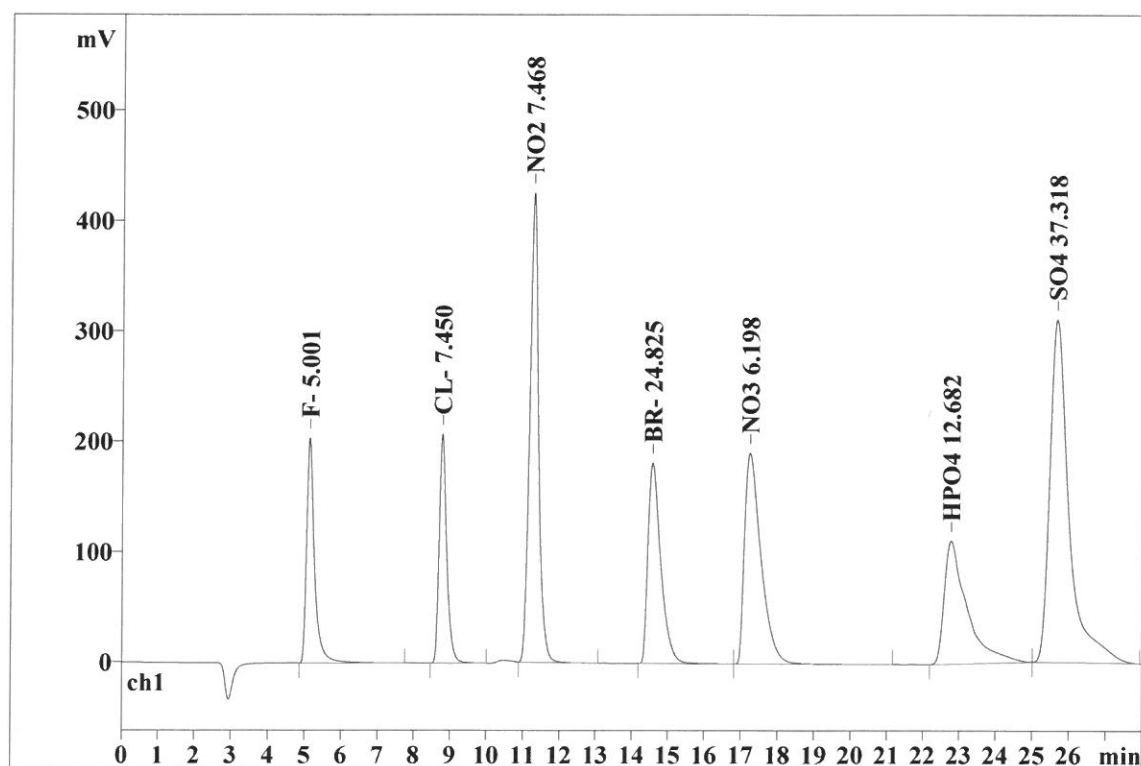
Ident: STD7  
Analysis from: 3/12/2018 5:53:54 PM  
File: \_2018-03-12\_

Last save: 3/15/2018 9:26:30 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16719

Last save: 3/12/2018 5:50:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.12             | 0.205          | 204.14       | 12.51       | 3058.124       | 7.67      |
| 2  | 8.77             | 0.211          | 207.64       | 12.72       | 2991.295       | 7.50      |
| 3  | 11.27            | 0.248          | 425.32       | 26.06       | 7179.305       | 18.00     |
| 4  | 14.57            | 0.361          | 181.84       | 11.14       | 4412.390       | 11.06     |
| 5  | 17.23            | 0.476          | 191.01       | 11.70       | 6004.853       | 15.06     |
| 6  | 22.77            | 0.617          | 111.54       | 6.83        | 4877.587       | 12.23     |
| 7  | 25.65            | 0.501          | 310.48       | 19.02       | 11361.773      | 28.49     |
| 7  | 28.00            | 0.374          | 1631.96      | 100.00      | 39885.328      | 100.00    |

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Report date: 3/15/2018 9:32:31 AM  
Printed by: wet

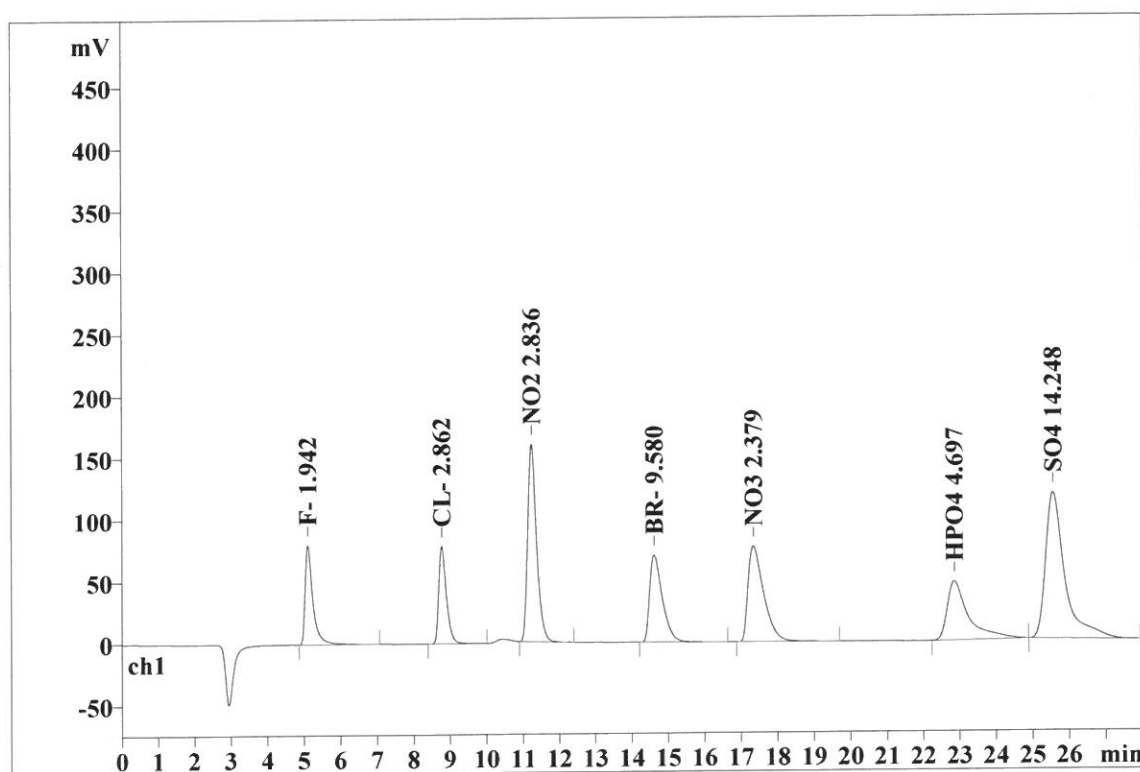
Ident: ICV  
Analysis from: 3/12/2018 7:26:41 PM  
File: \_2018-03-12\_

Last save: 3/12/2018 7:54:41 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16722

Last save: 3/12/2018 6:21:

SAMPLE:  
:  
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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.11             | 0.199          | 80.26        | 12.69       | 1182.971       | 7.77      |
| 2  | 8.78             | 0.215          | 78.76        | 12.45       | 1145.119       | 7.52      |
| 3  | 11.24            | 0.250          | 159.65       | 25.24       | 2688.082       | 17.65     |
| 4  | 14.62            | 0.360          | 70.56        | 11.16       | 1695.607       | 11.13     |
| 5  | 17.34            | 0.449          | 77.35        | 12.23       | 2294.187       | 15.06     |
| 6  | 22.85            | 0.525          | 47.60        | 7.53        | 1920.950       | 12.61     |
| 7  | 25.56            | 0.496          | 118.25       | 18.70       | 4304.268       | 28.26     |
| 7  | 28.00            | 0.356          | 632.44       | 100.00      | 15231.184      | 100.00    |

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Report date: 3/15/2018 9:32:41 AM  
Printed by: wet

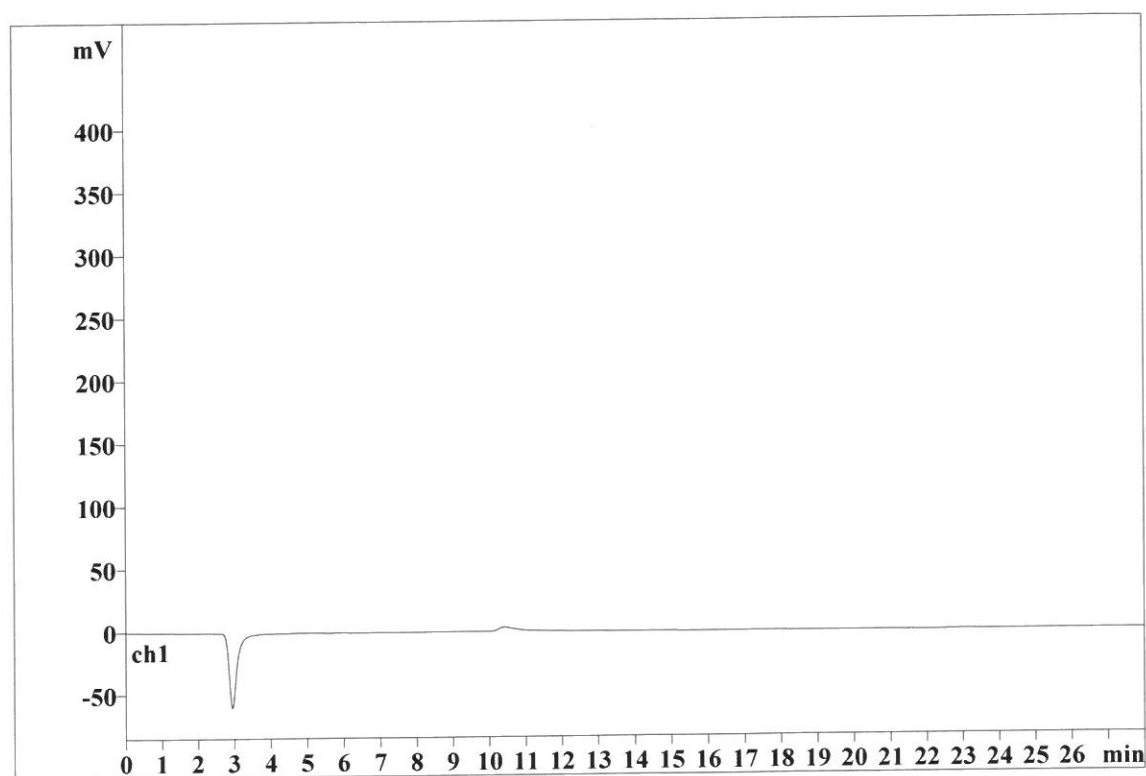
Ident: ICB  
Analysis from: 3/12/2018 7:57:37 PM  
File: \_2018-03-12\_

Last save: 3/12/2018 8:25:37 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16723

Last save: 3/12/2018 6:21:

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



Quantitation method: Custom

No peaks

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Report date: 4/6/2018 3:28:55 PM  
Printed by: wet

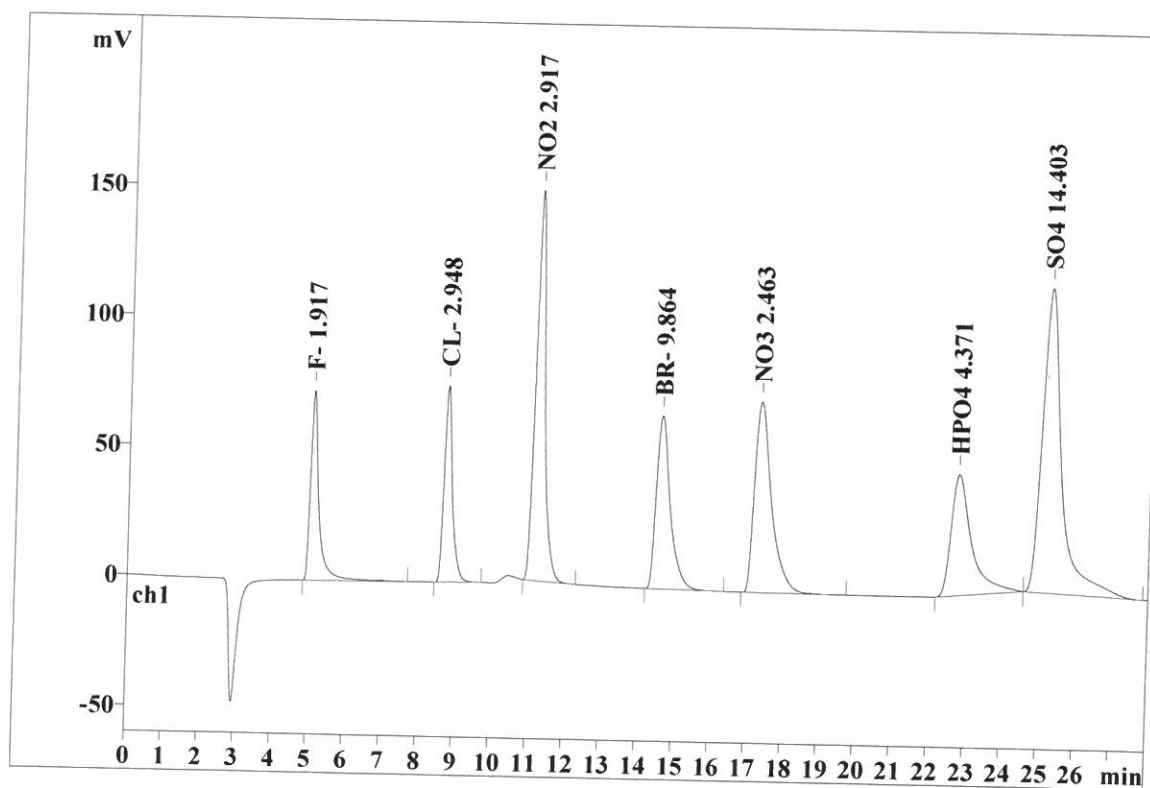
Ident: CCV  
Analysis from: 3/14/2018 8:51:05 AM  
File: \_2018-03-14\_

Last save: 3/14/2018 9:19:05 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16756

Last save: 3/12/2018 6:21:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.08             | 0.212          | 72.74        | 12.11       | 1167.484       | 7.59      |
| 2  | 8.74             | 0.227          | 75.27        | 12.53       | 1179.596       | 7.67      |
| 3  | 11.21            | 0.269          | 149.90       | 24.96       | 2766.226       | 17.98     |
| 4  | 14.60            | 0.385          | 66.31        | 11.04       | 1746.170       | 11.35     |
| 5  | 17.33            | 0.479          | 73.03        | 12.16       | 2375.790       | 15.44     |
| 6  | 22.78            | 0.531          | 46.35        | 7.72        | 1800.356       | 11.70     |
| 7  | 25.22            | 0.507          | 116.99       | 19.48       | 4351.469       | 28.28     |
| 7  | 28.00            | 0.373          | 600.59       | 100.00      | 15387.091      | 100.00    |

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Report date: 4/6/2018 3:29:00 PM  
Printed by: wet

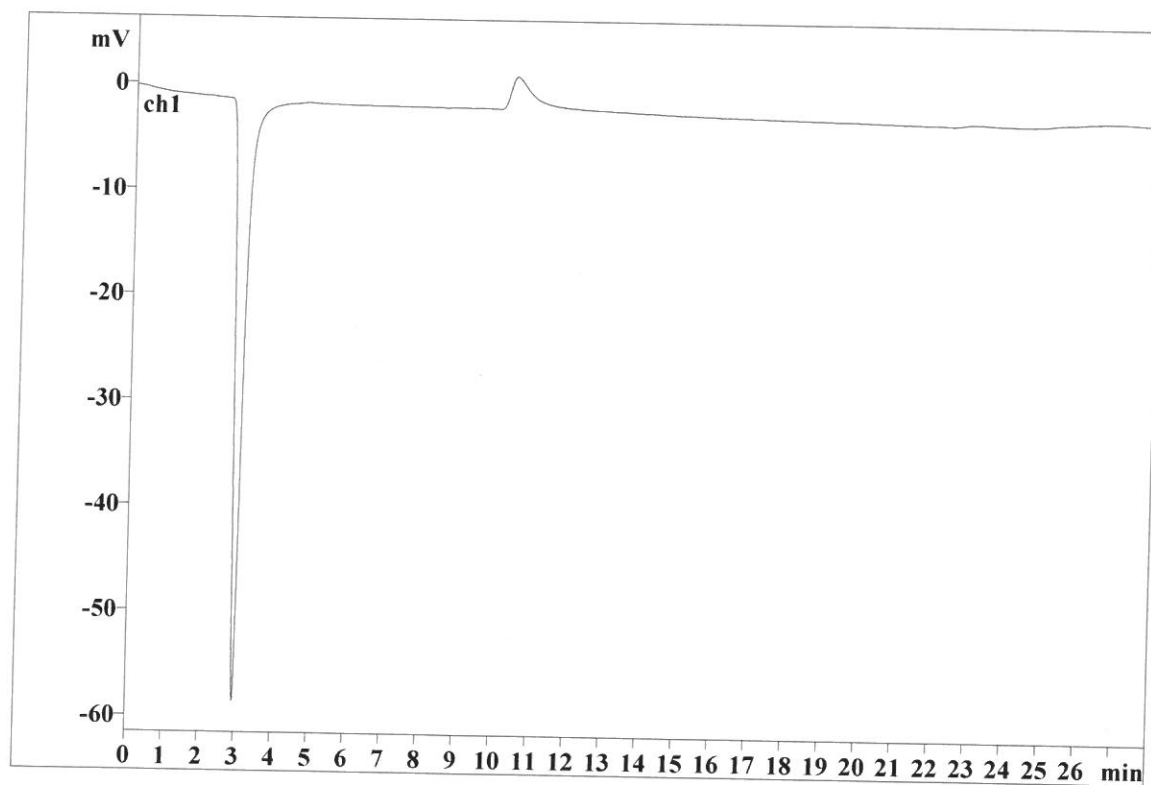
Ident: CCB  
Analysis from: 3/14/2018 9:22:00 AM  
File: \_2018-03-14\_

Last save: 3/14/2018 9:50:00 AM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16757

Last save: 3/12/2018 6:21:

SAMPLE:  
:  
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: 4/6/2018 3:29:14 PM  
Printed by: wet

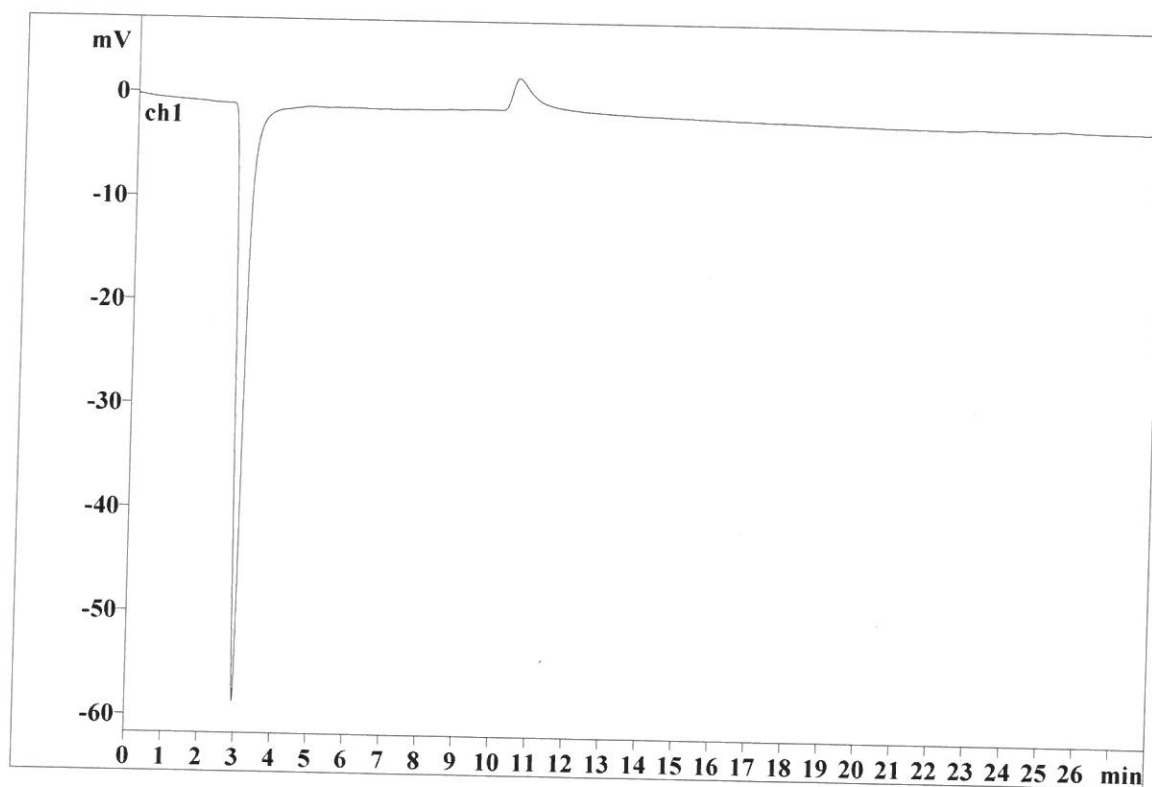
Ident: LB944448BLS  
Analysis from: 3/14/2018 9:52:56 AM  
File: \_2018-03-14\_

Last save: 4/6/2018 3:28:42 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16758

Last save: 3/12/2018 6:21:

SAMPLE: 5.01g  
: AK/AP  
Vial number: 4  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net  
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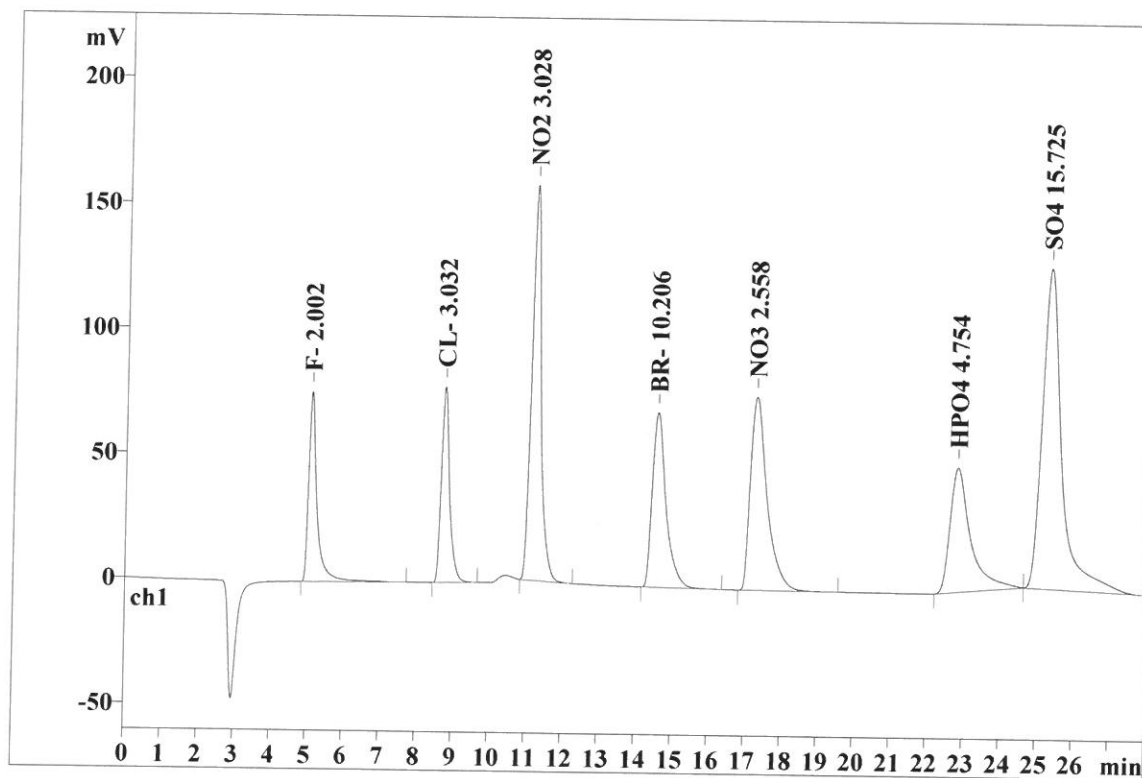
Report date: 4/6/2018 3:29:35 PM  
 Printed by: wet  
 Ident: LB94448BSS  
 Analysis from: 3/14/2018 10:23:52 AM  
 File: \_2018-03-14\_

Last save: 4/6/2018 3:28:42 PM

Method: AnionsIC2-031218.mtw  
 Run operator: wet  
 Analysis number: 16759

Last save: 3/12/2018 6:21:

SAMPLE: 5.00g  
 : 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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.08             | 0.213          | 76.01        | 11.94       | 1219.826       | 7.49      |
| 2  | 8.74             | 0.225          | 78.16        | 12.28       | 1213.469       | 7.45      |
| 3  | 11.19            | 0.265          | 157.87       | 24.80       | 2874.518       | 17.66     |
| 4  | 14.56            | 0.378          | 69.82        | 10.97       | 1807.181       | 11.10     |
| 5  | 17.27            | 0.470          | 77.24        | 12.13       | 2467.860       | 15.16     |
| 6  | 22.81            | 0.534          | 49.62        | 7.79        | 1941.954       | 11.93     |
| 7  | 25.29            | 0.509          | 127.90       | 20.09       | 4755.936       | 29.21     |
| 7  | 28.00            | 0.371          | 636.62       | 100.00      | 16280.745      | 100.00    |

This report has been created by IC Net  
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Report date: 4/6/2018 3:30:20 PM  
Printed by: wet

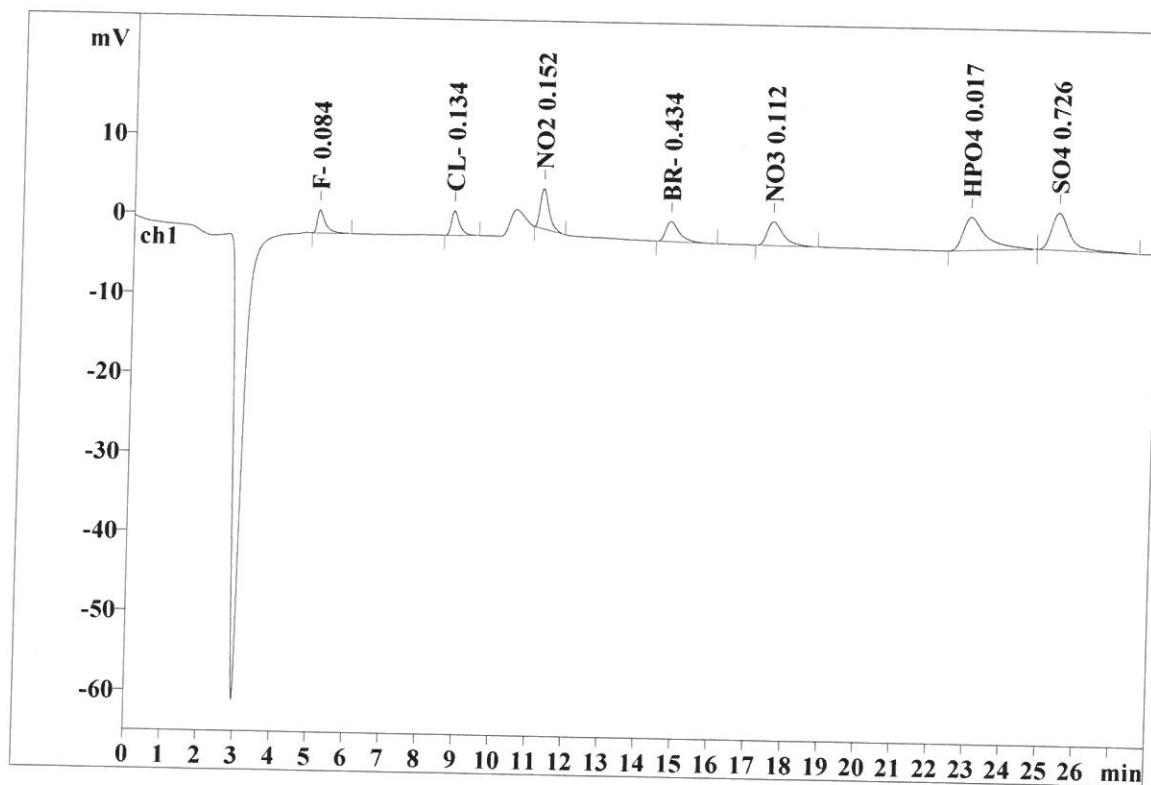
Ident: J1161-01  
Analysis from: 3/14/2018 11:58:29 AM  
File: \_2018-03-14\_

Last save: 4/6/2018 3:30:10 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16761

Last save: 3/12/2018 6:21:

SAMPLE: 5.01g  
: 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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.07             | 0.209          | 2.91         | 11.41       | 43.829         | 6.36      |
| 2  | 8.76             | 0.223          | 3.08         | 12.07       | 47.391         | 6.87      |
| 3  | 11.20            | 0.255          | 5.07         | 19.88       | 86.090         | 12.48     |
| 4  | 14.71            | 0.372          | 2.55         | 9.99        | 65.686         | 9.53      |
| 5  | 17.50            | 0.440          | 3.01         | 11.79       | 91.185         | 13.22     |
| 6  | 22.92            | 0.603          | 4.18         | 16.40       | 187.947        | 27.26     |
| 7  | 25.33            | 0.501          | 4.69         | 18.41       | 167.439        | 24.28     |
| 7  | 28.00            | 0.372          | 25.47        | 99.97       | 689.567        | 100.00    |

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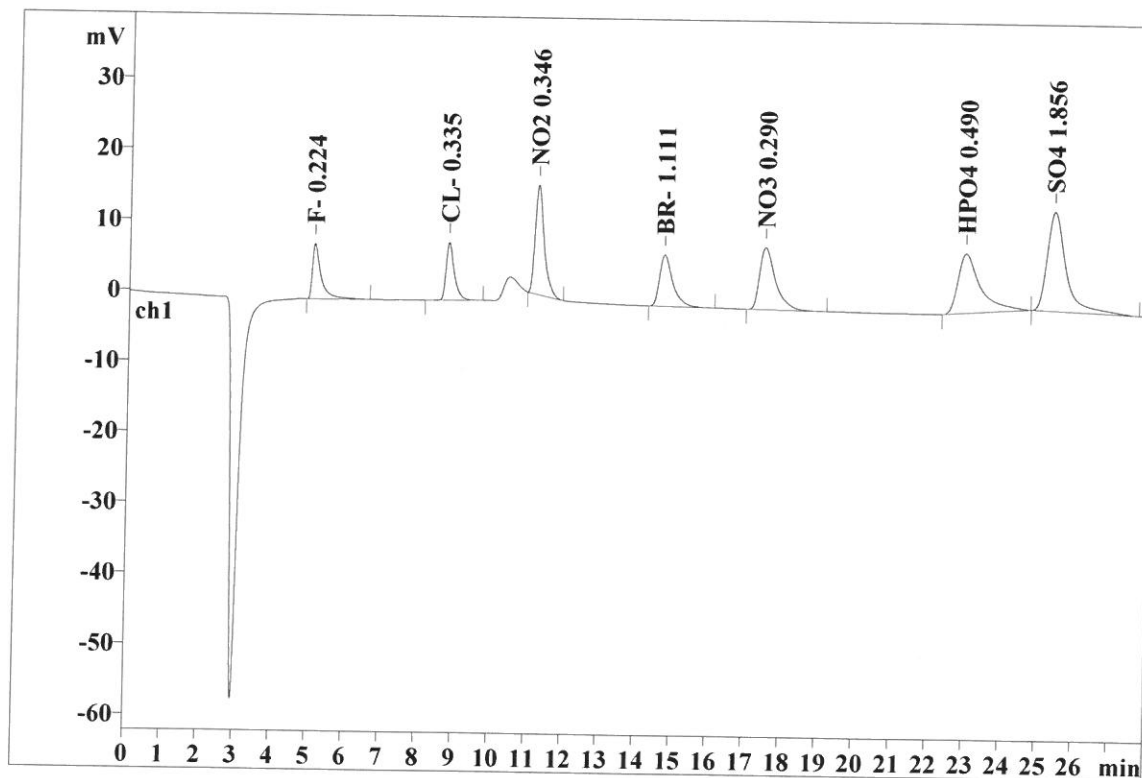
Report date: 4/6/2018 5:12:30 PM  
 Printed by: wet  
 Ident: J1161-02  
 Analysis from: 3/14/2018 12:29:25 PM  
 File: \_2018-03-14\_

Last save: 4/6/2018 3:28:43 PM

Method: AnionsIC2-031218.mtw  
 Run operator: wet  
 Analysis number: 16762

Last save: 3/12/2018 6:21:

SAMPLE: 5.02g  
 : 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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.09             | 0.217          | 7.80         | 11.15       | 129.744        | 6.98      |
| 2  | 8.76             | 0.226          | 8.18         | 11.69       | 128.001        | 6.89      |
| 3  | 11.20            | 0.262          | 15.47        | 22.11       | 273.974        | 14.74     |
| 4  | 14.68            | 0.371          | 7.28         | 10.41       | 186.281        | 10.02     |
| 5  | 17.46            | 0.440          | 8.76         | 12.52       | 264.739        | 14.24     |
| 6  | 22.92            | 0.582          | 8.42         | 12.03       | 363.135        | 19.53     |
| 7  | 25.35            | 0.505          | 14.04        | 20.07       | 513.178        | 27.60     |
| 7  | 28.00            | 0.372          | 69.96        | 99.99       | 1859.051       | 100.00    |

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Report date: 4/6/2018 5:13:05 PM  
Printed by: wet

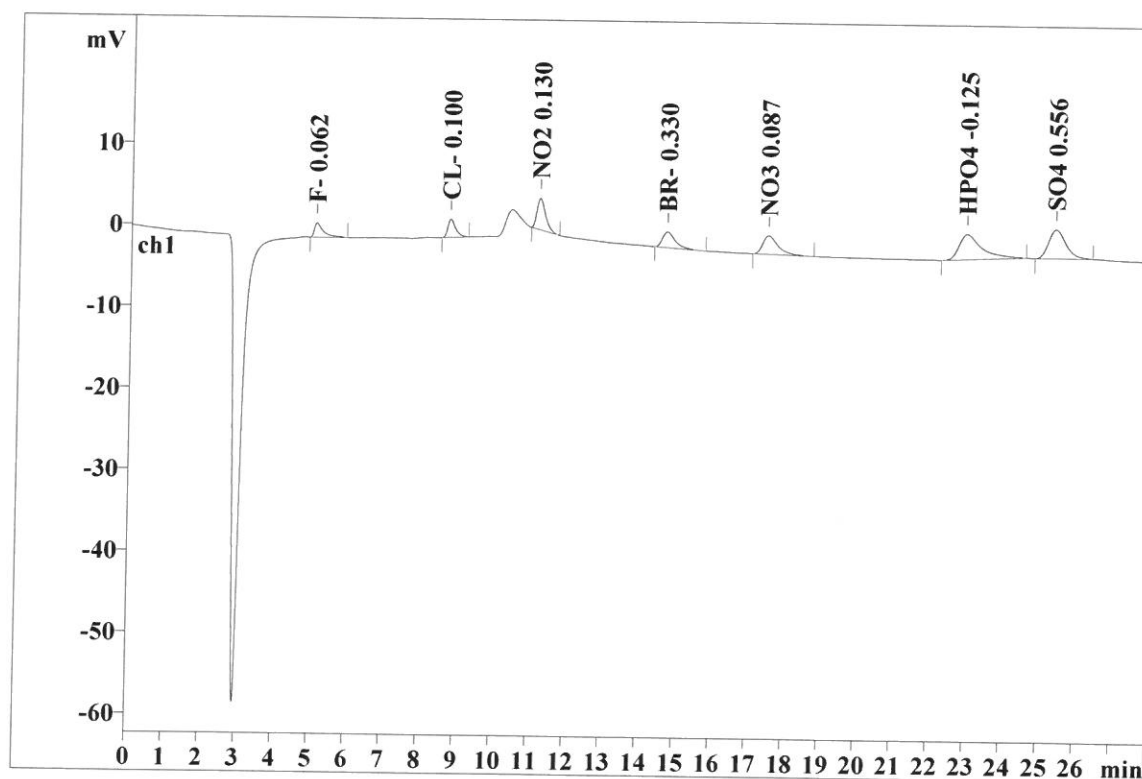
Ident: J1161-03  
Analysis from: 3/14/2018 1:00:20 PM  
File: \_2018-03-14\_

Last save: 4/6/2018 5:13:04 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16763

Last save: 3/12/2018 6:21:

SAMPLE: 5.01g  
: 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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.09             | 0.228          | 1.75         | 9.38        | 30.059         | 6.11      |
| 2  | 8.75             | 0.220          | 2.25         | 12.01       | 33.389         | 6.78      |
| 3  | 11.19            | 0.253          | 3.85         | 20.59       | 63.878         | 12.98     |
| 4  | 14.68            | 0.359          | 1.93         | 10.32       | 47.029         | 9.55      |
| 5  | 17.47            | 0.431          | 2.27         | 12.15       | 67.070         | 13.62     |
| 6  | 22.93            | 0.603          | 3.09         | 16.52       | 135.339        | 27.49     |
| 7  | 25.36            | 0.495          | 3.55         | 18.98       | 115.510        | 23.46     |
| 7  | 28.00            | 0.370          | 18.68        | 99.96       | 492.273        | 100.00    |

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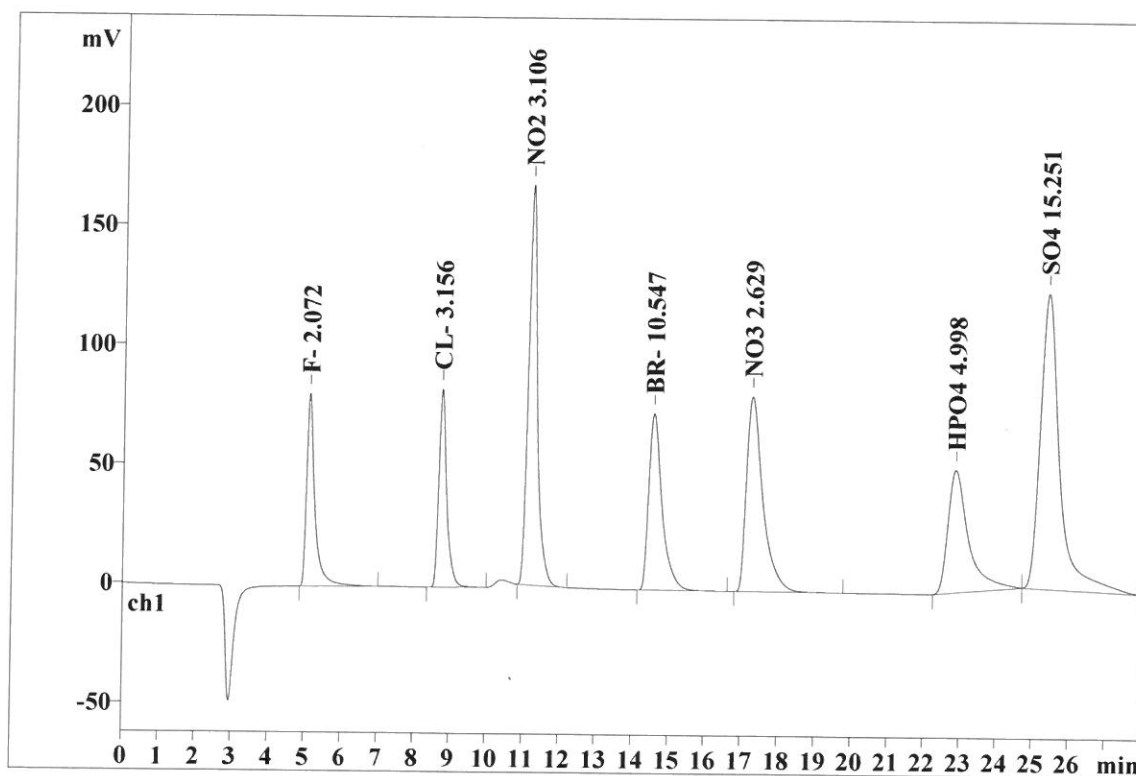
Report date: 4/6/2018 5:16:55 PM  
 Printed by: wet  
 Ident: CCV  
 Analysis from: 3/14/2018 8:34:19 PM  
 File: \_2018-03-14\_

Last save: 3/14/2018 9:02:19 PM

Method: AnionsIC2-031218.mtw  
 Run operator: wet  
 Analysis number: 16777

Last save: 3/12/2018 6:21:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.10             | 0.211          | 80.65        | 12.20       | 1262.690       | 7.64      |
| 2  | 8.75             | 0.219          | 82.76        | 12.52       | 1263.491       | 7.65      |
| 3  | 11.19            | 0.254          | 167.42       | 25.33       | 2950.123       | 17.85     |
| 4  | 14.56            | 0.365          | 73.84        | 11.17       | 1867.953       | 11.30     |
| 5  | 17.26            | 0.453          | 81.49        | 12.33       | 2537.340       | 15.35     |
| 6  | 22.85            | 0.543          | 51.28        | 7.76        | 2032.439       | 12.30     |
| 7  | 25.37            | 0.514          | 123.59       | 18.70       | 4611.034       | 27.90     |
| 7  | 28.00            | 0.366          | 661.03       | 100.00      | 16525.071      | 100.00    |

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Report date: 4/6/2018 5:17:01 PM  
Printed by: wet

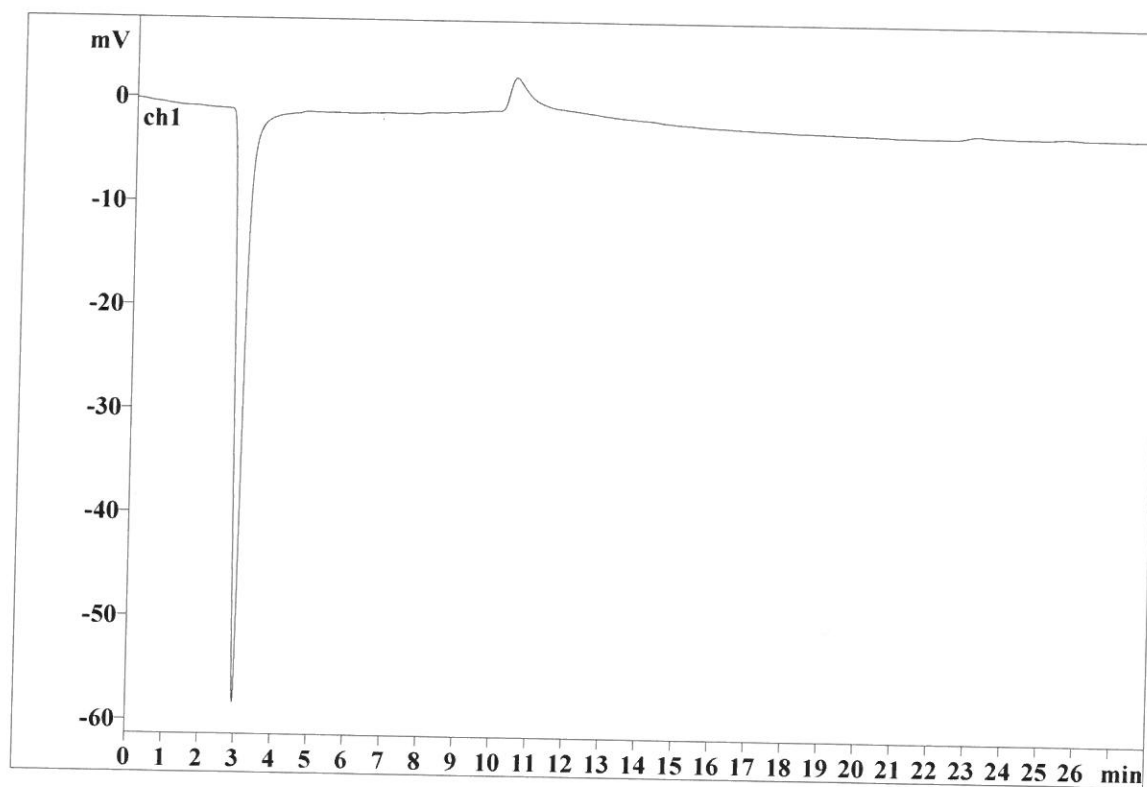
Ident: CCB  
Analysis from: 3/14/2018 9:05:14 PM  
File: \_2018-03-14\_

Last save: 3/14/2018 9:33:14 PM

Method: AnionsIC2-031218.mtw  
Run operator: wet  
Analysis number: 16778

Last save: 3/12/2018 6:21:

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



Quantitation method: Custom

No peaks

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