

4C-2 / M300-0  
12/13/17 AIC

Clear table

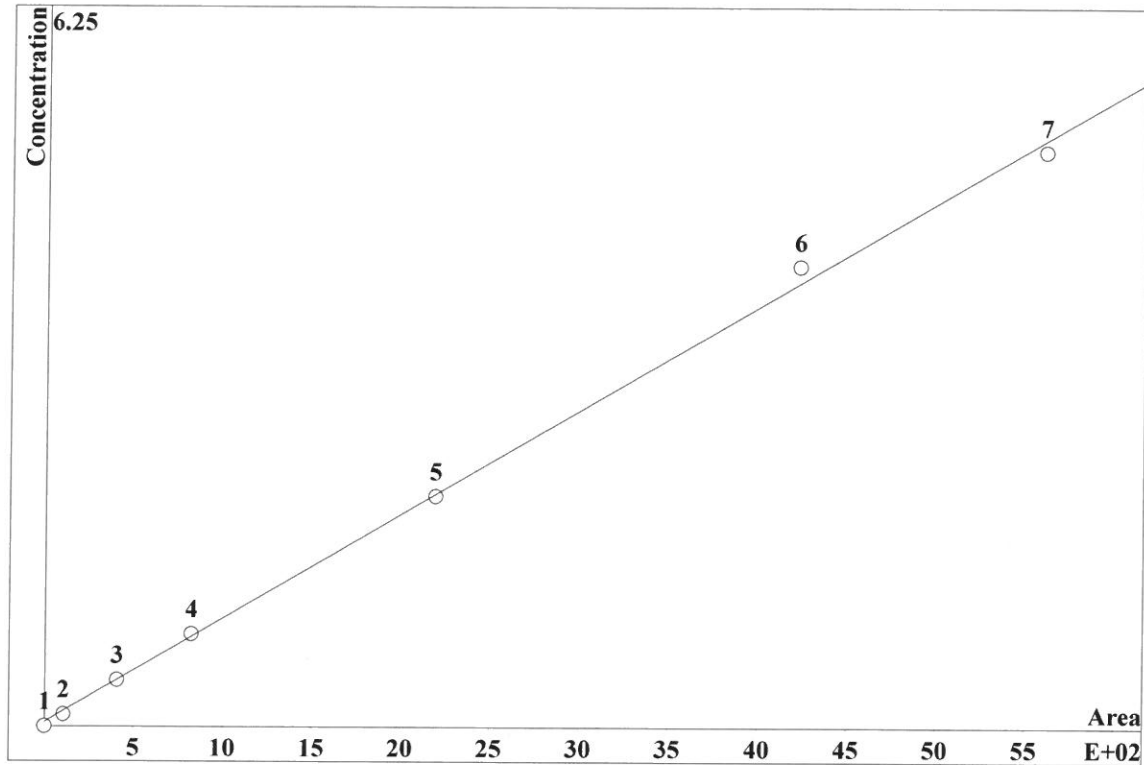
| ident         | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name   | date time     |
|---------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------|---------------|
| STD1          | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-12-04_ | 12/4/17 10:36 |
| STD2          | 0.1360               | 0.2500                | 0.2640                | 0.8220                | 0.2060                | -0.0920                | 1.4060                | 2017-12-04_ | 12/4/17 11:08 |
| STD3          | 0.4050               | 0.6460                | 0.6470                | 2.1290                | 0.5370                | 1.1450                 | 3.2650                | 2017-12-04_ | 12/4/17 11:40 |
| STD4          | 0.7800               | 1.1880                | 1.1760                | 3.9570                | 0.9880                | 2.2660                 | 5.8760                | 2017-12-04_ | 12/4/17 12:12 |
| STD5          | 2.0200               | 2.8520                | 2.8290                | 9.5460                | 2.3800                | 5.0790                 | 14.0860               | 2017-12-04_ | 12/4/17 12:44 |
| STD6          | 3.8570               | 5.8500                | 5.8910                | 19.5340               | 4.8860                | 9.7700                 | 29.2040               | 2017-12-04_ | 12/4/17 13:16 |
| STD7          | 5.1020               | 7.6640                | 7.6430                | 25.5120               | 6.3780                | 12.5830                | 38.4130               | 2017-12-04_ | 12/4/17 13:48 |
| ICV           | 2.0540               | 2.8960                | 2.8770                | 9.6970                | 2.4260                | 5.1830                 | 14.3020               | 2017-12-04_ | 12/4/17 14:19 |
| ICB           | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-12-04_ | 12/4/17 14:51 |
| CCV           | 1.9050               | 2.8520                | 2.8350                | 9.4690                | 2.3770                | 4.8120                 | 14.1020               | 2017-12-08_ | 12/8/17 13:10 |
| CCB           | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-12-08_ | 12/8/17 13:42 |
| LB92045BLW    | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-12-08_ | 12/8/17 14:14 |
| LB92045BSW    | 1.9220               | 2.8290                | 2.8220                | 9.4040                | 2.3680                | 5.0580                 | 14.0300               | 2017-12-08_ | 12/8/17 14:46 |
| I6786-01      | 0.4030               | 284.6990              | 0.0000                | 2.6230                | 0.1280                | 2.4960                 | 273.2200              | 2017-12-08_ | 12/8/17 15:27 |
| I6786-02      | 0.6700               | 240.1390              | 0.0000                | 1.6280                | 0.0000                | 2.9360                 | 189.0120              | 2017-12-08_ | 12/8/17 15:59 |
| I6786-02DUP   | 0.6090               | 239.1690              | 0.0000                | 1.8320                | 0.0000                | 2.6330                 | 194.6370              | 2017-12-08_ | 12/8/17 18:39 |
| I6786-02MS    | 2.6270               | 219.9010              | 3.0170                | 10.2880               | 2.5160                | 8.0050                 | 189.4620              | 2017-12-08_ | 12/8/17 19:10 |
| I6786-03      | 0.0000               | 0.1560                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-12-08_ | 12/8/17 20:46 |
| I6786-01DLX20 | 0.0000               | 38.6230               | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 24.1070               | 2017-12-08_ | 12/8/17 21:18 |
| I6786-02DLX20 | 0.0000               | 23.0060               | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 10.8990               | 2017-12-08_ | 12/8/17 21:50 |
| CCV           | 1.8750               | 2.8870                | 2.8710                | 10.4910               | 2.3980                | 5.7000                 | 14.2210               | 2017-12-08_ | 12/8/17 22:22 |
| CCB           | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-12-08_ | 12/8/17 22:54 |

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12-04-17  
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CALIBRATION OF COMPONENT F-

Method: AnionsIC2-120417.mtw  
Equation:  $Q = 0.0180726 \cdot A + 0.757945$   
RSD: 4.427 %  
Correlation coefficient: 0.999200



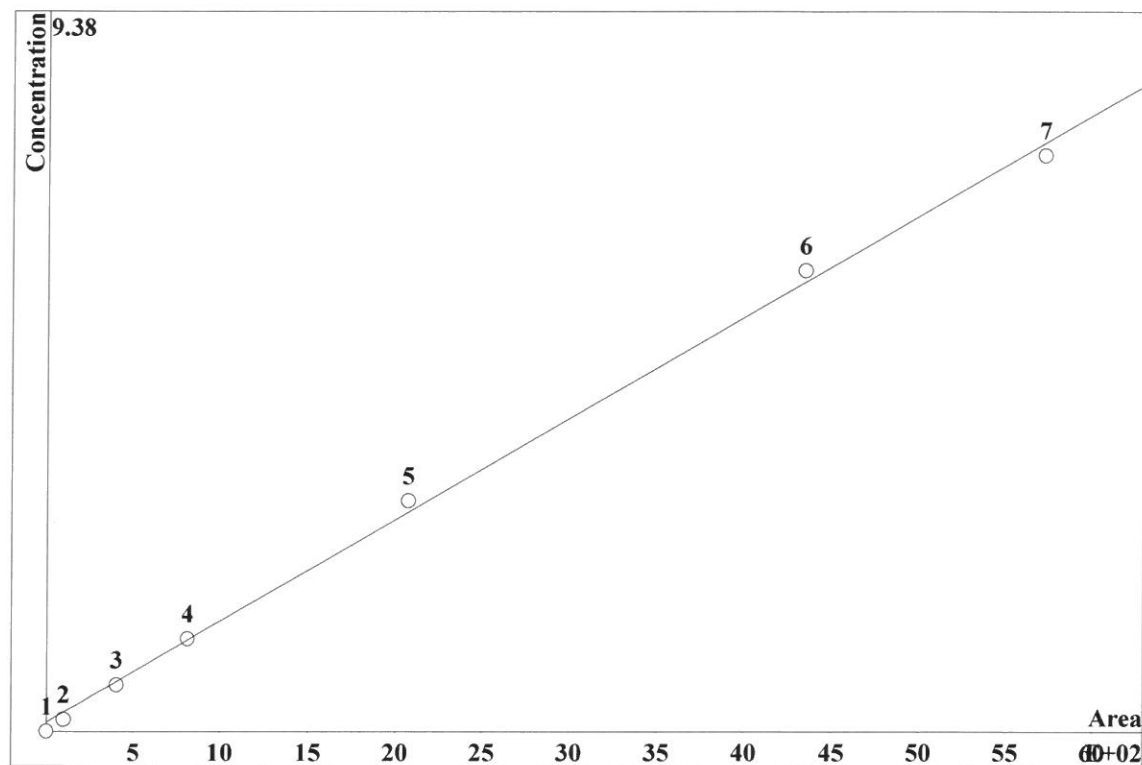
K3 = 0      K2 = 0      K1 = 0.0180726      K0 = 0.757945  
Base: Area  
Ref.channel: ch1  
ISTD:  
Formula: Linear  
Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File  |
|-------|--------|-------|-------|---------|-----------|------|-------|
| 1     | 0      |       | 0     | 0       | 0         |      | 0     |
| 2     | 4.819  | 108.6 |       | 0.1     | 20        |      | 5.245 |
| 3     | 17.34  | 406.8 |       | 0.4     | 20        |      | 5.245 |
| 4     | 38.64  | 821   |       | 0.8     | 20        |      | 5.245 |
| 5     | 89.11  | 2193  |       | 2       | 20        |      | 5.245 |
| 6     | 164.4  | 4226  |       | 4       | 20        |      | 5.245 |
| 7     | 244.5  | 5604  |       | 5       | 20        |      | 5.245 |

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CALIBRATION OF COMPONENT CL-

Method: AnionsIC2-120417.mtw  
 Equation:  $Q = 0.0263975 \cdot A + 2.33362$   
 RSD: 4.697 %  
 Correlation coefficient: 0.999099

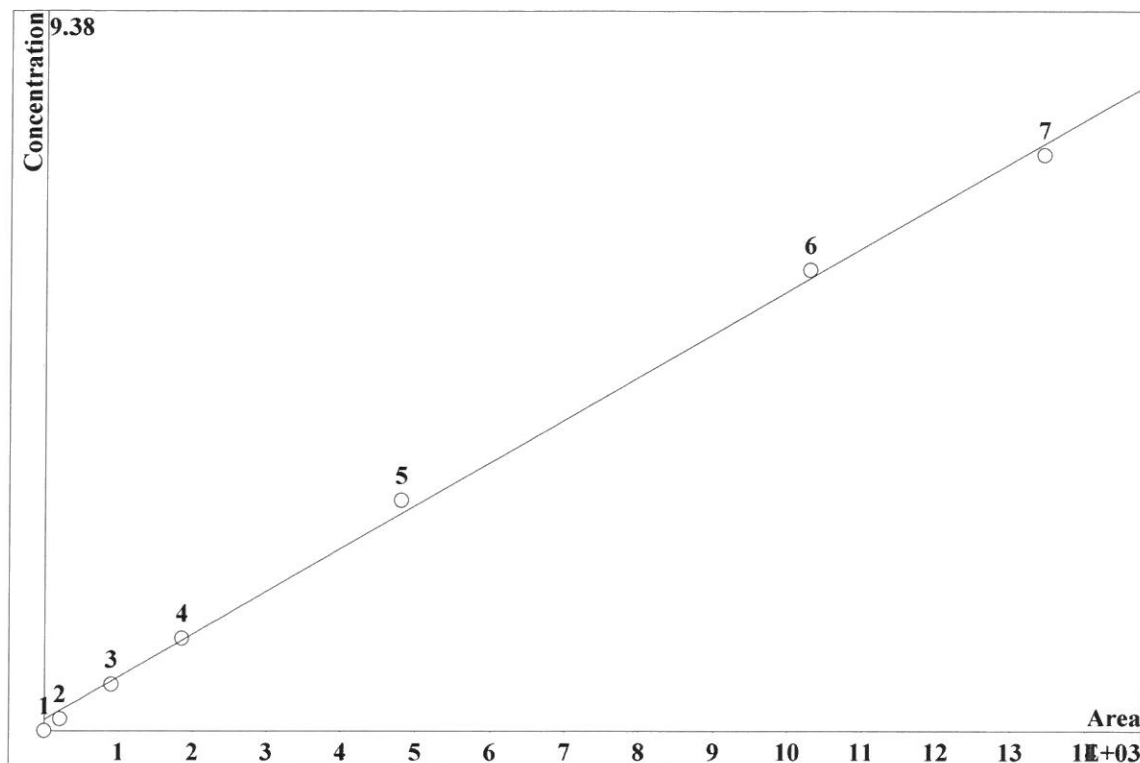


K3 = 0      K2 = 0      K1 = 0.0263975      K0 = 2.33362  
 Base: Area  
 Ref.channel: chl  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 8.098  | 101.2 | 0.15  | 20      | 9.083     |      |      |
| 3     | 32.08  | 400.7 | 0.6   | 20      | 9.083     |      |      |
| 4     | 65.08  | 811.4 | 1.2   | 20      | 9.083     |      |      |
| 5     | 168.9  | 2072  | 3     | 20      | 9.083     |      |      |
| 6     | 361.2  | 4344  | 6     | 20      | 9.083     |      |      |
| 7     | 480.9  | 5718  | 7.5   | 20      | 9.083     |      |      |

CALIBRATION OF COMPONENT NO2

Method: AnionsIC2-120417.mtw  
 Equation:  $Q = 0.011175 \cdot A + 2.87384$   
 RSD: 4.519 %  
 Correlation coefficient: 0.999166

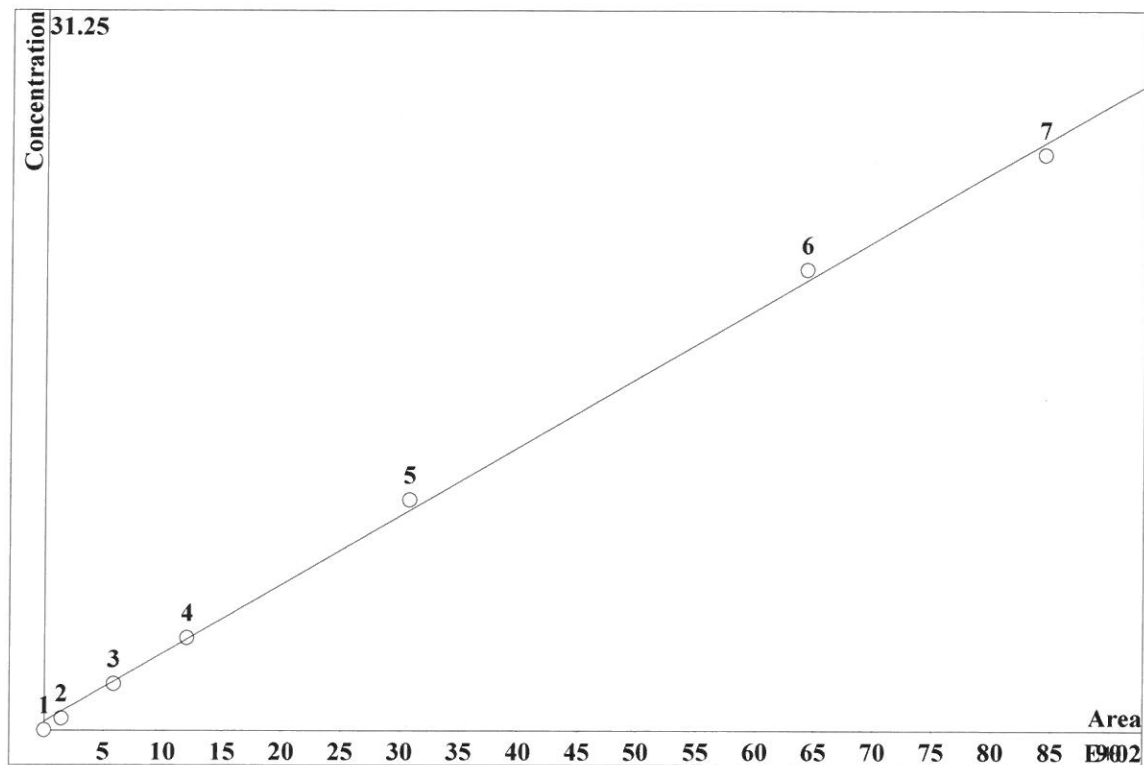


K3 = 0      K2 = 0      K1 = 0.011175      K0 = 2.87384  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 15.47  | 215.3     | 0.15  | 20      | 11.73     |      |      |
| 3     | 64.23  | 900.4     | 0.6   | 20      | 11.73     |      |      |
| 4     | 130.1  | 1848      | 1.2   | 20      | 11.73     |      |      |
| 5     | 344.9  | 4806      | 3     | 20      | 11.73     |      |      |
| 6     | 737.4  | 1.029e+04 | 6     | 20      | 11.73     |      |      |
| 7     | 948.8  | 1.342e+04 | 7.5   | 20      | 11.73     |      |      |

CALIBRATION OF COMPONENT BR-

Method: AnionsIC2-120417.mtw  
 Equation:  $Q = 0.0596188 \cdot A + 7.52351$   
 RSD: 4.385 %  
 Correlation coefficient: 0.999215



K3 = 0      K2 = 0      K1 = 0.0596188      K0 = 7.52351

Base: Area

Ref.channel: ch1

ISTD:

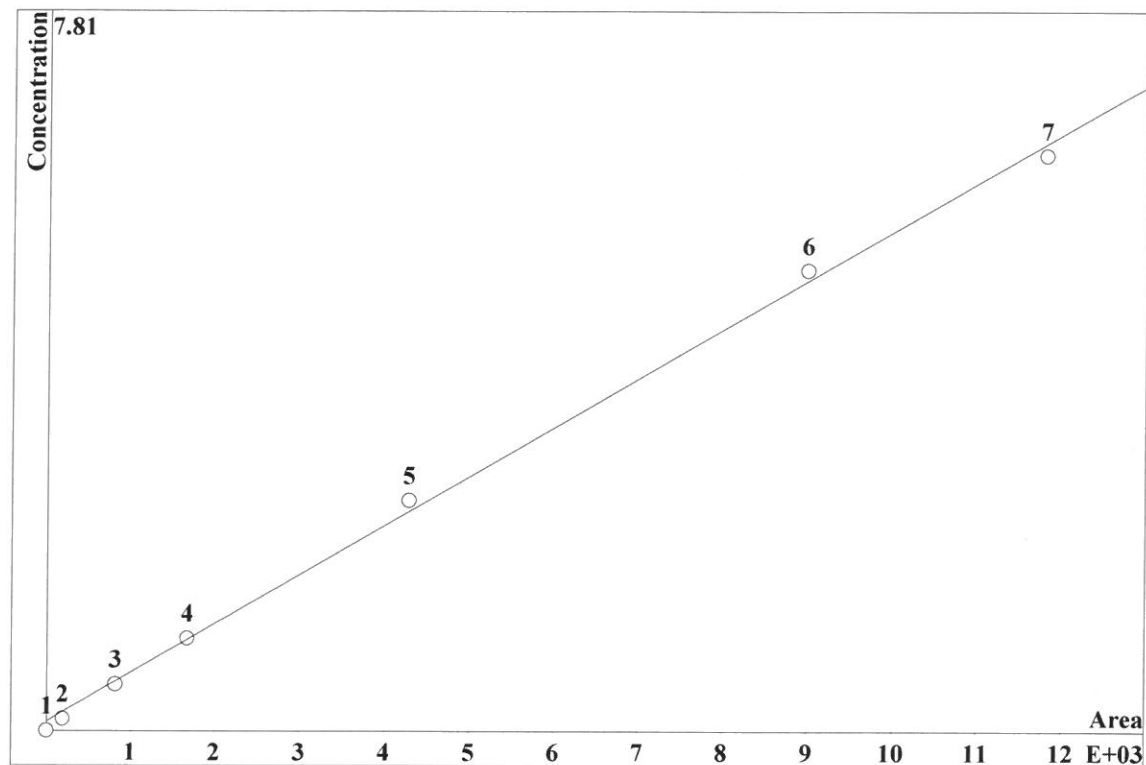
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 7.496  | 149.5 | 0.5   | 20      | 15.3      |      |      |
| 3     | 30.35  | 587.9 | 2     | 20      | 15.3      |      |      |
| 4     | 61.89  | 1201  | 4     | 20      | 15.3      |      |      |
| 5     | 159.6  | 3076  | 10    | 20      | 15.3      |      |      |
| 6     | 334.4  | 6427  | 20    | 20      | 15.3      |      |      |
| 7     | 442.6  | 8432  | 25    | 20      | 15.3      |      |      |

CALIBRATION OF COMPONENT NO3

Method: AnionsIC2-120417.mtw  
 Equation:  $Q = 0.0106392 \cdot A + 1.99991$   
 RSD: 4.446 %  
 Correlation coefficient: 0.999193

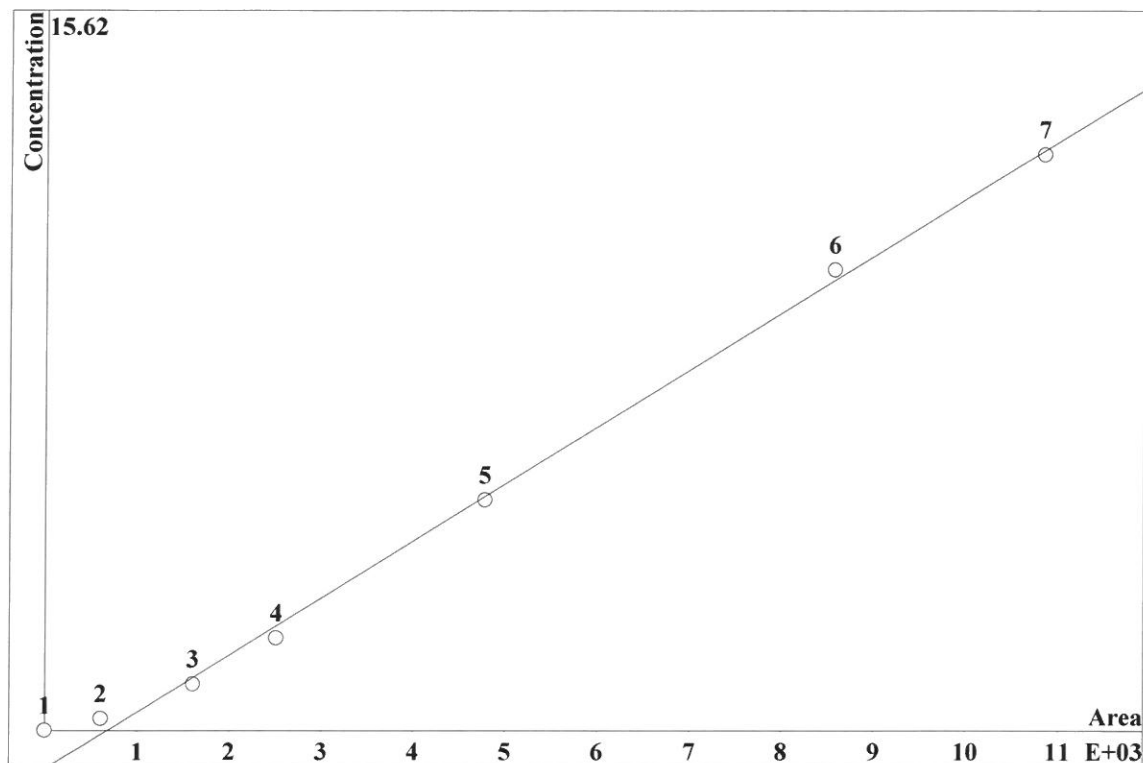


K3 = 0      K2 = 0      K1 = 0.0106392      K0 = 1.99991  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area     | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|----------|-------|---------|-----------|------|------|
| 1     | 0      | 0        | 0     | 0       | 0         |      | 0    |
| 2     | 8.871  | 199.5    | 0.125 | 20      | 18.22     |      |      |
| 3     | 35.84  | 820.8    | 0.5   | 20      | 18.22     |      |      |
| 4     | 72.15  | 1669     | 1     | 20      | 18.22     |      |      |
| 5     | 181.6  | 4287     | 2.5   | 20      | 18.22     |      |      |
| 6     | 367.3  | 8996     | 5     | 20      | 18.22     |      |      |
| 7     | 478    | 1.18e+04 | 6.25  | 20      | 18.22     |      |      |

## CALIBRATION OF COMPONENT HPO4

Method: AnionsIC2-120417.mtw  
 Equation:  $Q = 0.0247806 \cdot A - 16.8717$   
 RSD: 5.113 %  
 Correlation coefficient: 0.998933



K3 = 0      K2 = 0      K1 = 0.0247806      K0 = -16.8717

Base: Area

Ref.channel: chl

ISTD:

Formula: Linear

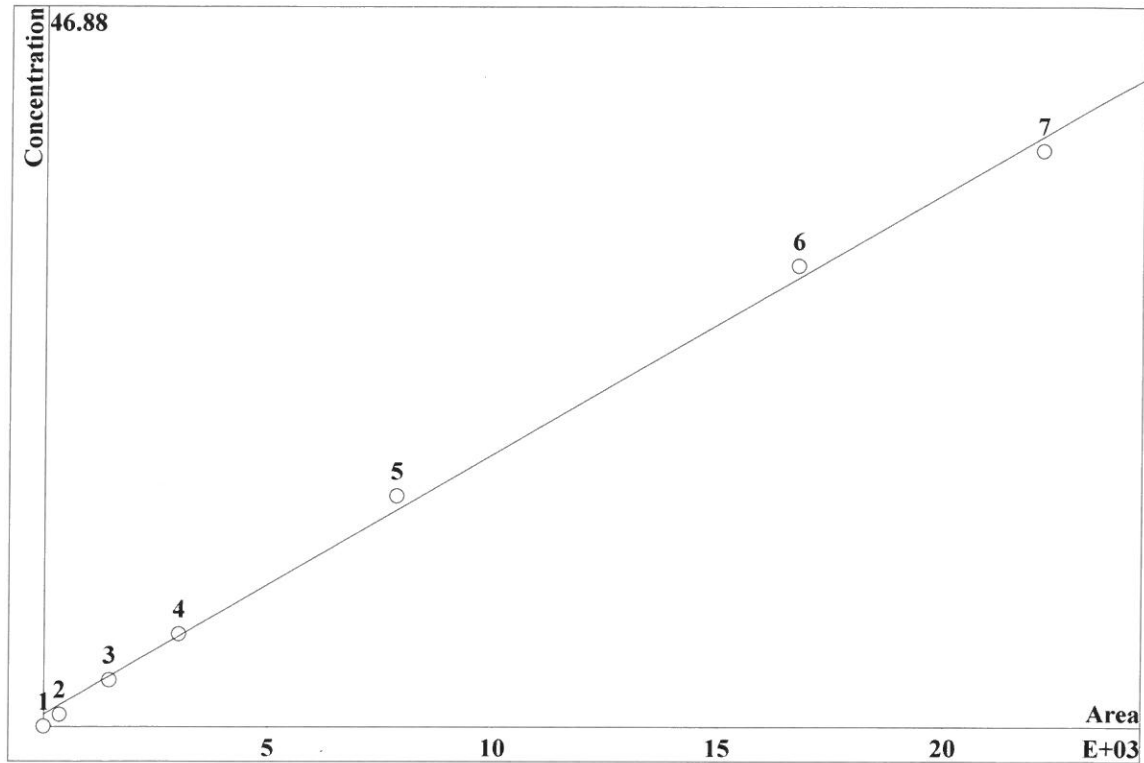
Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 16.24  | 606.5     | 0.25  | 20      | 24.15     |      |      |
| 3     | 44.34  | 1605      | 1     | 20      | 24.15     |      |      |
| 4     | 71.46  | 2509      | 2     | 20      | 24.15     |      |      |
| 5     | 144.3  | 4780      | 5     | 20      | 24.15     |      |      |
| 6     | 267.1  | 8566      | 10    | 20      | 24.15     |      |      |
| 7     | 343.7  | 1.084e+04 | 12.5  | 20      | 24.15     |      |      |

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CALIBRATION OF COMPONENT SO4

Method: AnionsIC2-120417.mtw  
 Equation:  $Q = 0.0339308 \cdot A + 15.6983$   
 RSD: 5.460 %  
 Correlation coefficient: 0.998783



K3 = 0      K2 = 0      K1 = 0.0339308      K0 = 15.6983  
 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     | 12.51  | 366.1     | 0.75  | 20      | 26.71     |      |      |
| 3     | 49.78  | 1462      | 3     | 20      | 26.71     |      |      |
| 4     | 101.3  | 3001      | 6     | 20      | 26.71     |      |      |
| 5     | 265.8  | 7840      | 15    | 20      | 26.71     |      |      |
| 6     | 567.6  | 1.675e+04 | 30    | 20      | 26.71     |      |      |
| 7     | 755.5  | 2.218e+04 | 37.5  | 20      | 26.71     |      |      |

Report date: 12/5/2017 2:20:00 PM  
Printed by: wet

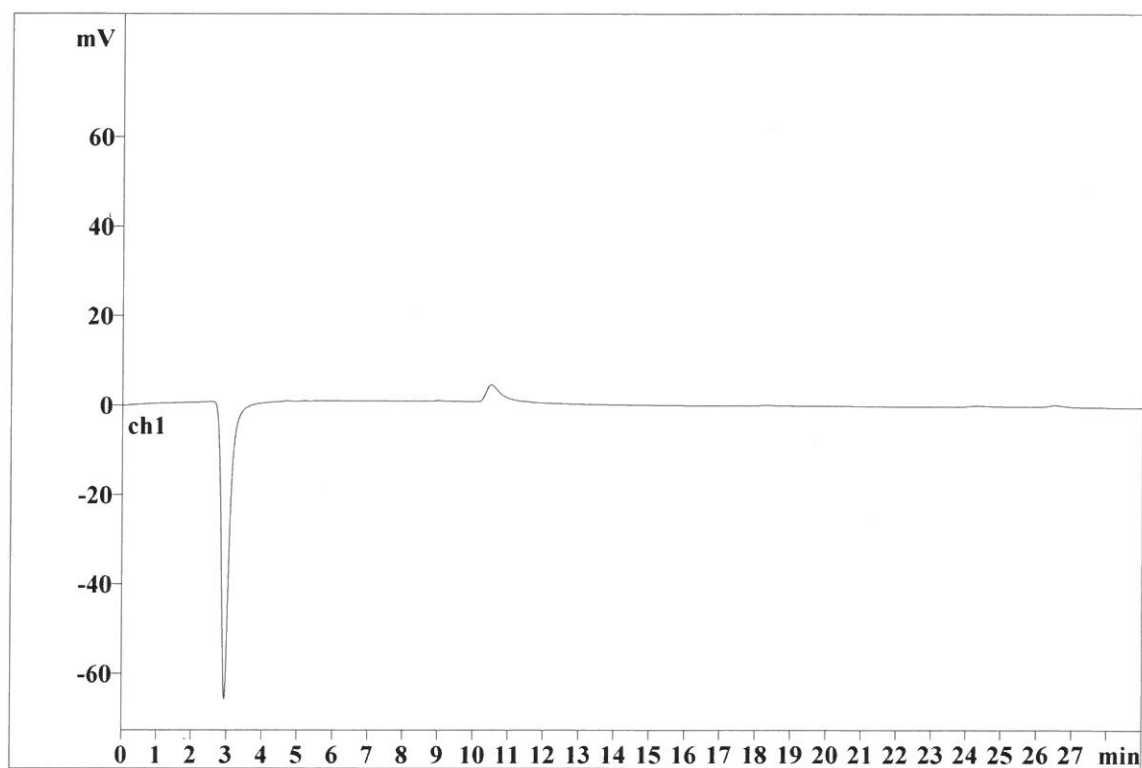
Ident: STD1  
Analysis from: 12/4/2017 10:36:29 AM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:56:25 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15871

Last save: 12/4/2017 9:43:

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: 12/5/2017 2:20:32 PM  
Printed by: wet

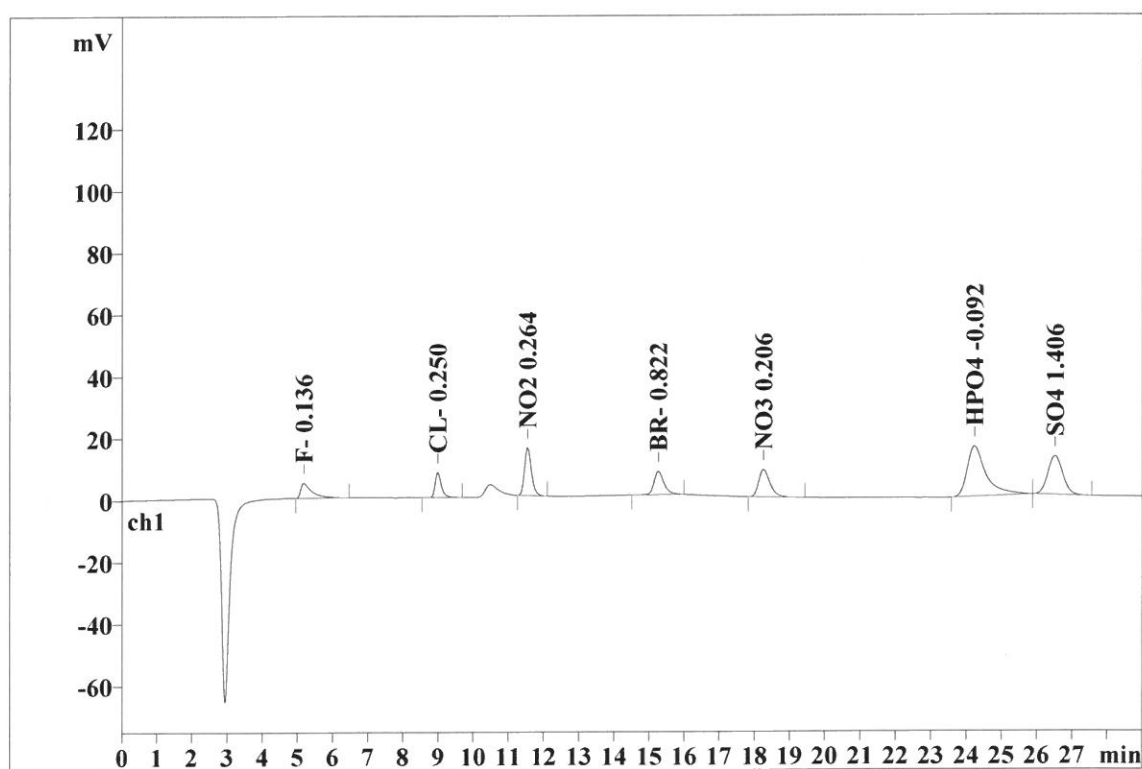
Ident: STD2  
Analysis from: 12/4/2017 11:08:24 AM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:56:25 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15872

Last save: 12/4/2017 9:43:

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  | 5.18             | 0.303          | 4.82         | 6.56        | 108.587        | 6.22      |
| 2  | 8.99             | 0.181          | 8.10         | 11.02       | 101.187        | 5.79      |
| 3  | 11.55            | 0.210          | 15.47        | 21.05       | 215.264        | 12.32     |
| 4  | 15.26            | 0.293          | 7.50         | 10.20       | 149.481        | 8.56      |
| 5  | 18.26            | 0.340          | 8.87         | 12.07       | 199.512        | 11.42     |
| 6  | 24.24            | 0.516          | 16.24        | 22.09       | 606.457        | 34.72     |
| 7  | 26.52            | 0.452          | 12.51        | 17.01       | 366.127        | 20.96     |
| 7  | 29.00            | 0.328          | 73.50        | 100.00      | 1746.615       | 100.00    |

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Report date: 12/5/2017 2:20:51 PM  
Printed by: wet

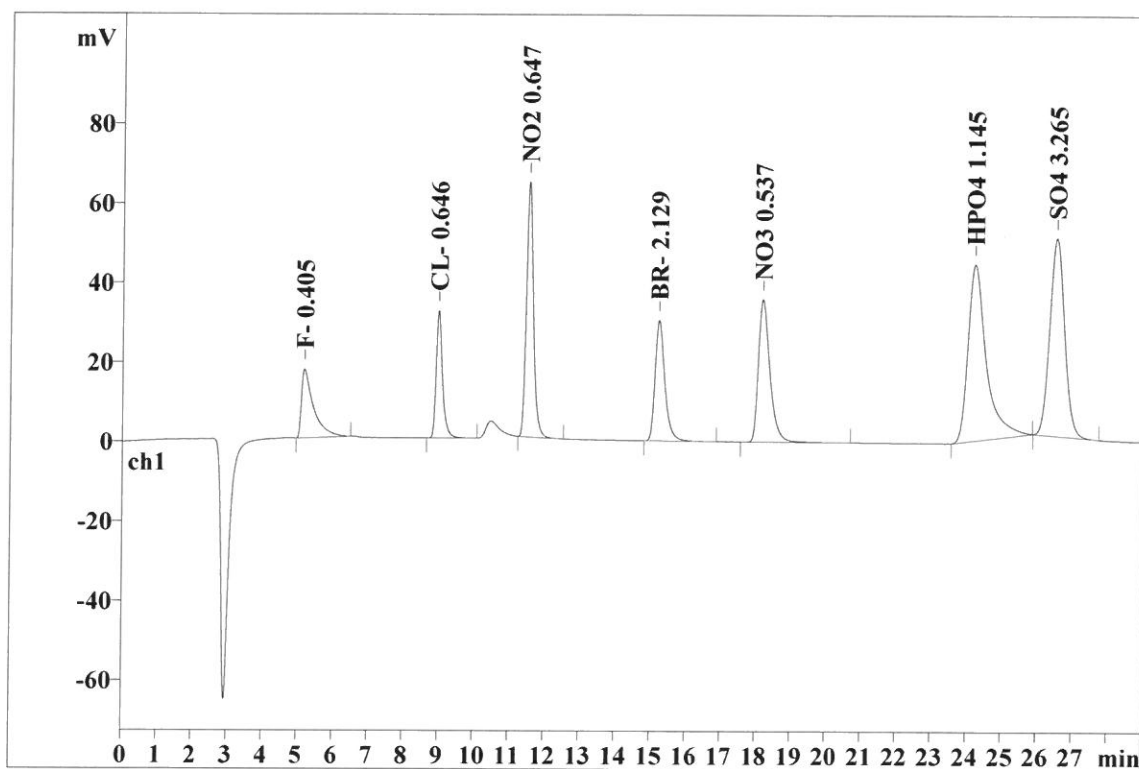
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Analysis from: 12/4/2017 11:40:20 AM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:56:25 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15873

Last save: 12/4/2017 9:43:

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  | 5.18             | 0.316          | 17.33        | 6.33        | 406.764        | 6.58      |
| 2  | 8.99             | 0.180          | 32.08        | 11.71       | 400.742        | 6.48      |
| 3  | 11.55            | 0.209          | 64.23        | 23.44       | 900.409        | 14.56     |
| 4  | 15.22            | 0.286          | 30.35        | 11.08       | 587.904        | 9.51      |
| 5  | 18.19            | 0.339          | 35.83        | 13.08       | 820.756        | 13.27     |
| 6  | 24.22            | 0.502          | 44.34        | 16.19       | 1604.607       | 25.95     |
| 7  | 26.52            | 0.452          | 49.78        | 18.17       | 1461.725       | 23.64     |
| 7  | 29.00            | 0.326          | 273.96       | 100.00      | 6182.907       | 100.00    |

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Report date: 12/5/2017 2:21:05 PM  
Printed by: wet

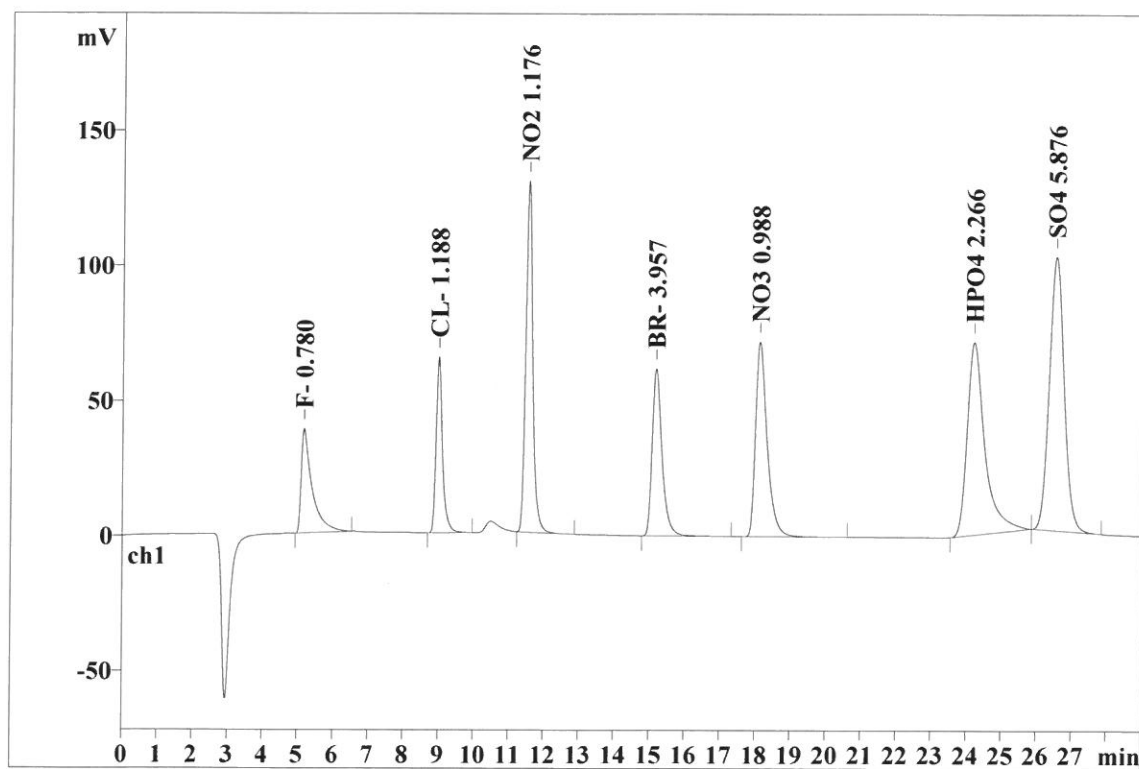
Ident: STD4  
Analysis from: 12/4/2017 12:12:16 PM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:56:25 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15874

Last save: 12/4/2017 9:43:

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  | 5.17             | 0.279          | 38.63        | 7.15        | 821.023        | 6.92      |
| 2  | 8.99             | 0.177          | 65.08        | 12.04       | 811.404        | 6.84      |
| 3  | 11.54            | 0.209          | 130.09       | 24.06       | 1847.650       | 15.58     |
| 4  | 15.17            | 0.283          | 61.89        | 11.45       | 1201.367       | 10.13     |
| 5  | 18.12            | 0.340          | 72.15        | 13.34       | 1669.001       | 14.07     |
| 6  | 24.20            | 0.490          | 71.46        | 13.22       | 2509.369       | 21.16     |
| 7  | 26.53            | 0.453          | 101.35       | 18.74       | 3001.134       | 25.30     |
| 7  | 29.00            | 0.319          | 540.66       | 100.00      | 11860.947      | 100.00    |

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Report date: 12/5/2017 2:21:18 PM  
Printed by: wet

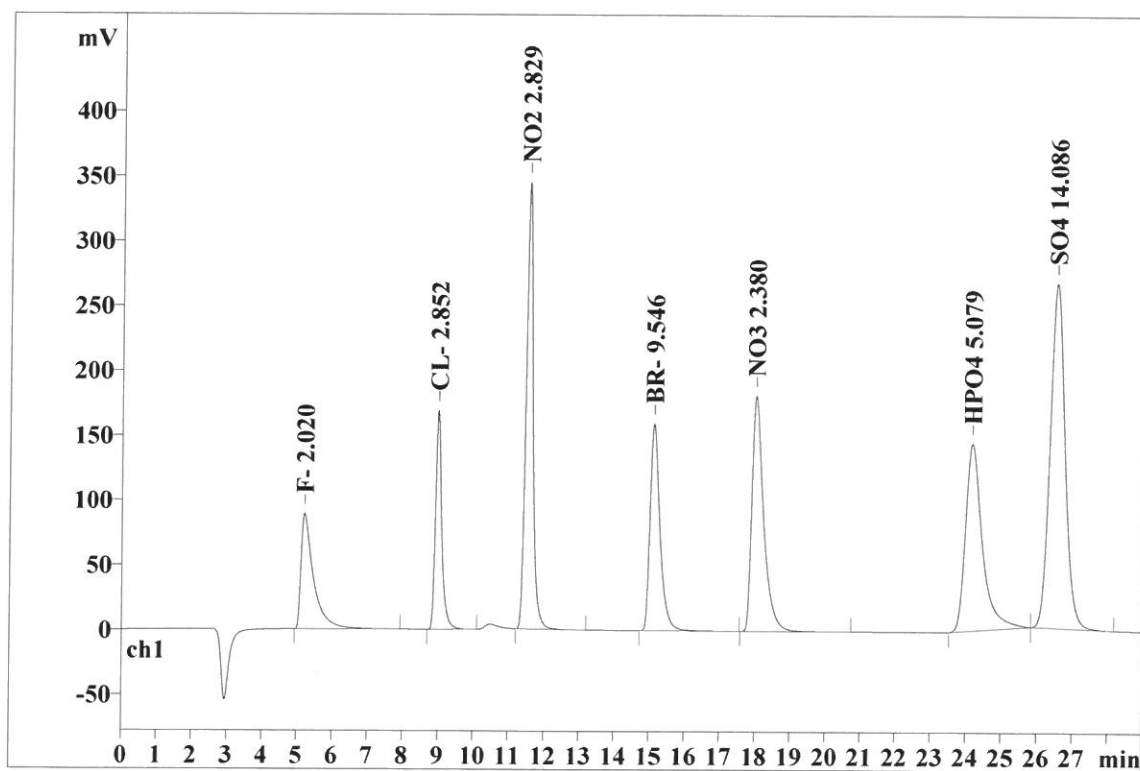
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Analysis from: 12/4/2017 12:44:11 PM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:56:25 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15875

Last save: 12/4/2017 9:43:

SAMPLE:  
:  
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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.20             | 0.331          | 89.10        | 6.58        | 2193.157       | 7.55      |
| 2  | 8.99             | 0.174          | 168.89       | 12.47       | 2072.459       | 7.13      |
| 3  | 11.54            | 0.205          | 344.94       | 25.47       | 4805.898       | 16.54     |
| 4  | 15.11            | 0.280          | 159.62       | 11.79       | 3076.203       | 10.59     |
| 5  | 18.01            | 0.344          | 181.56       | 13.41       | 4286.583       | 14.75     |
| 6  | 24.16            | 0.469          | 144.25       | 10.65       | 4779.782       | 16.45     |
| 7  | 26.52            | 0.448          | 265.82       | 19.63       | 7840.234       | 26.98     |
| 7  | 29.00            | 0.322          | 1354.18      | 100.00      | 29054.315      | 100.00    |

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Report date: 12/5/2017 2:21:31 PM  
Printed by: wet

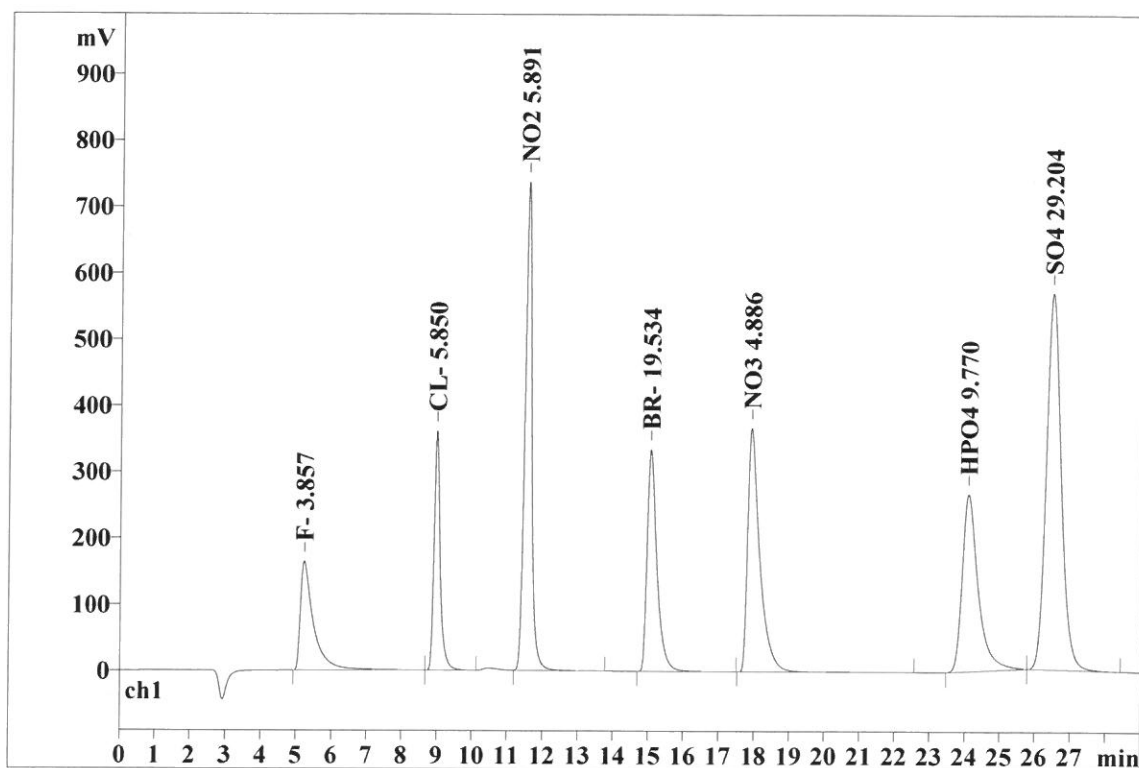
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Analysis from: 12/4/2017 1:16:06 PM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:56:25 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15876

Last save: 12/4/2017 9:43:

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  | 5.22             | 0.340          | 164.40       | 5.87        | 4226.488       | 7.09      |
| 2  | 8.98             | 0.170          | 361.18       | 12.90       | 4344.142       | 7.29      |
| 3  | 11.56            | 0.206          | 737.44       | 26.34       | 10286.520      | 17.26     |
| 4  | 15.06            | 0.277          | 334.37       | 11.94       | 6426.620       | 10.78     |
| 5  | 17.91            | 0.352          | 367.31       | 13.12       | 8996.487       | 15.10     |
| 6  | 24.09            | 0.458          | 267.10       | 9.54        | 8565.901       | 14.37     |
| 7  | 26.48            | 0.445          | 567.64       | 20.28       | 16750.949      | 28.11     |
| 7  | 29.00            | 0.321          | 2799.42      | 100.00      | 59597.107      | 100.00    |

This report has been created by IC Net  
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Report date: 12/5/2017 2:21:44 PM  
Printed by: wet

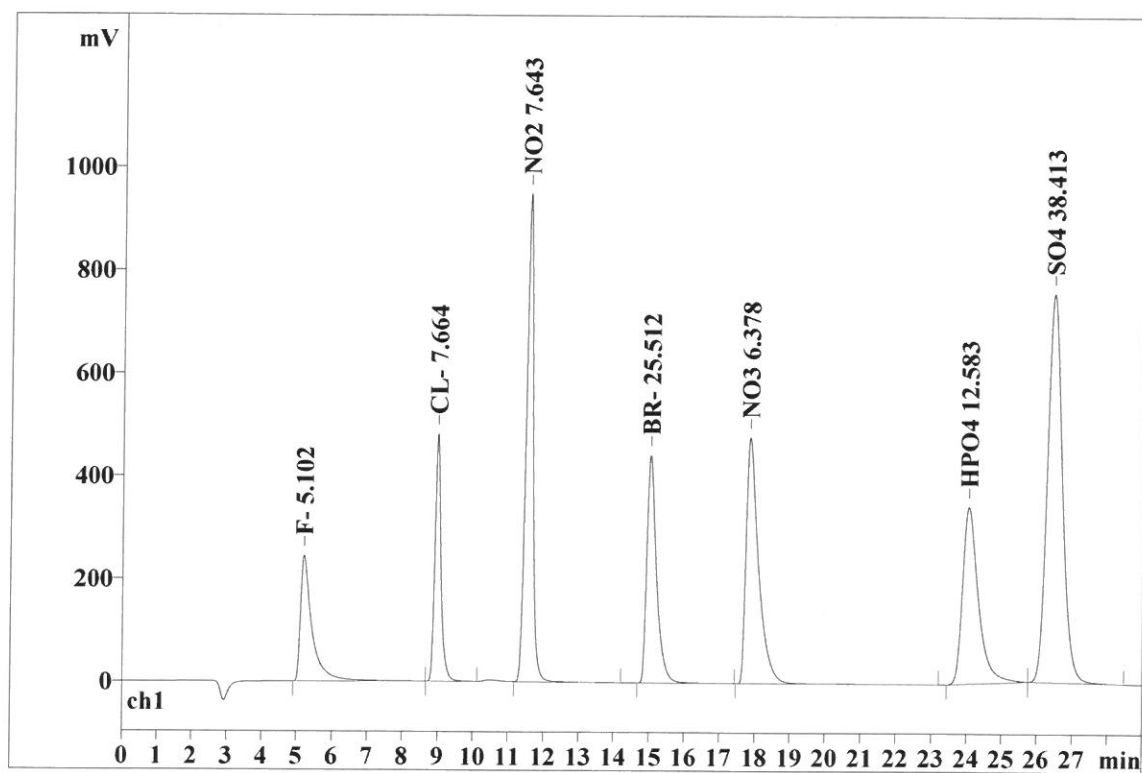
Ident: STD7  
Analysis from: 12/4/2017 1:48:02 PM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:57:49 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15877

Last save: 12/4/2017 9:43:

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  | 5.20             | 0.297          | 244.49       | 6.62        | 5604.120       | 7.19      |
| 2  | 8.97             | 0.170          | 480.92       | 13.02       | 5718.236       | 7.33      |
| 3  | 11.56            | 0.212          | 948.73       | 25.68       | 13421.333      | 17.21     |
| 4  | 15.02            | 0.276          | 442.63       | 11.98       | 8432.332       | 10.81     |
| 5  | 17.84            | 0.356          | 477.94       | 12.94       | 11802.234      | 15.13     |
| 6  | 24.04            | 0.454          | 343.69       | 9.30        | 10836.750      | 13.89     |
| 7  | 26.43            | 0.444          | 755.53       | 20.45       | 22179.340      | 28.44     |
| 7  | 29.00            | 0.316          | 3693.93      | 100.00      | 77994.346      | 100.00    |

This report has been created by IC Net  
METROHM LTD

Report date: 12/5/2017 2:22:44 PM  
Printed by: wet

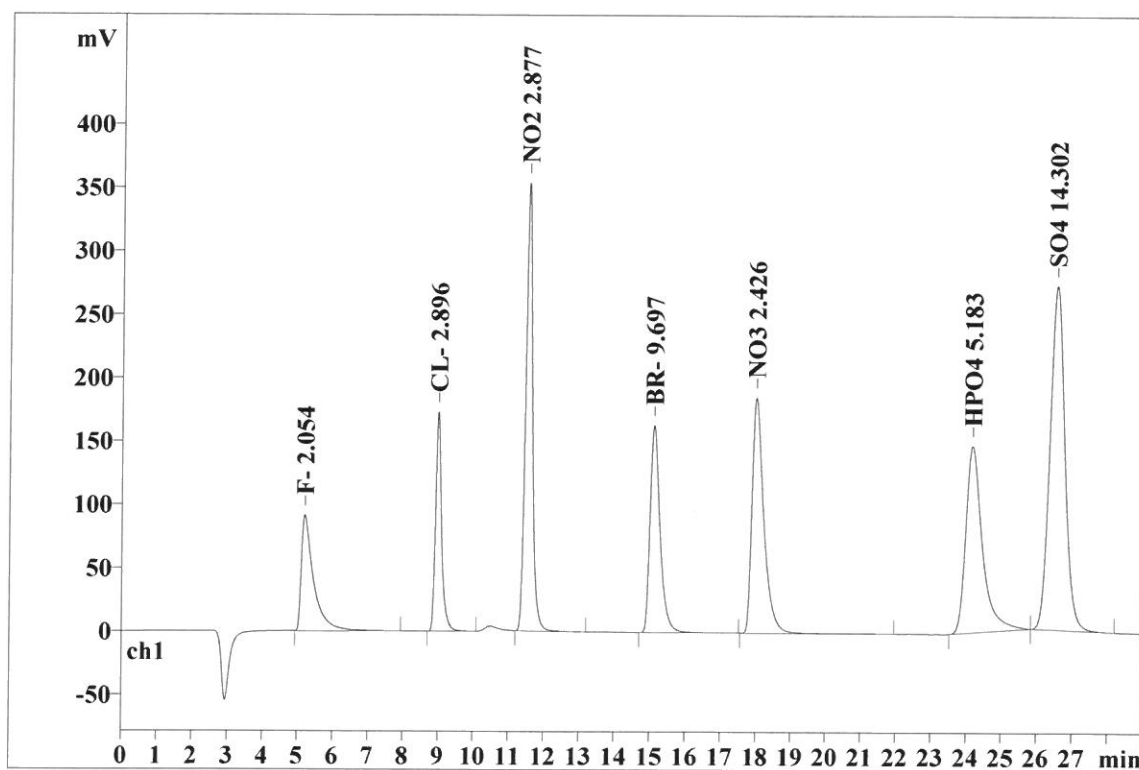
Ident: ICV  
Analysis from: 12/4/2017 2:19:57 PM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:59:09 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15878

Last save: 12/4/2017 9:43:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.20             | 0.329          | 91.36        | 6.59        | 2230.871       | 7.55      |
| 2  | 8.98             | 0.173          | 173.09       | 12.49       | 2106.063       | 7.12      |
| 3  | 11.54            | 0.204          | 353.75       | 25.53       | 4891.049       | 16.55     |
| 4  | 15.10            | 0.279          | 163.41       | 11.79       | 3126.727       | 10.58     |
| 5  | 17.99            | 0.342          | 185.72       | 13.40       | 4373.161       | 14.79     |
| 6  | 24.16            | 0.468          | 147.20       | 10.62       | 4863.592       | 16.45     |
| 7  | 26.53            | 0.447          | 271.28       | 19.58       | 7967.734       | 26.96     |
| 7  | 29.00            | 0.320          | 1385.81      | 100.00      | 29559.197      | 100.00    |

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Report date: 12/5/2017 2:22:57 PM  
Printed by: wet

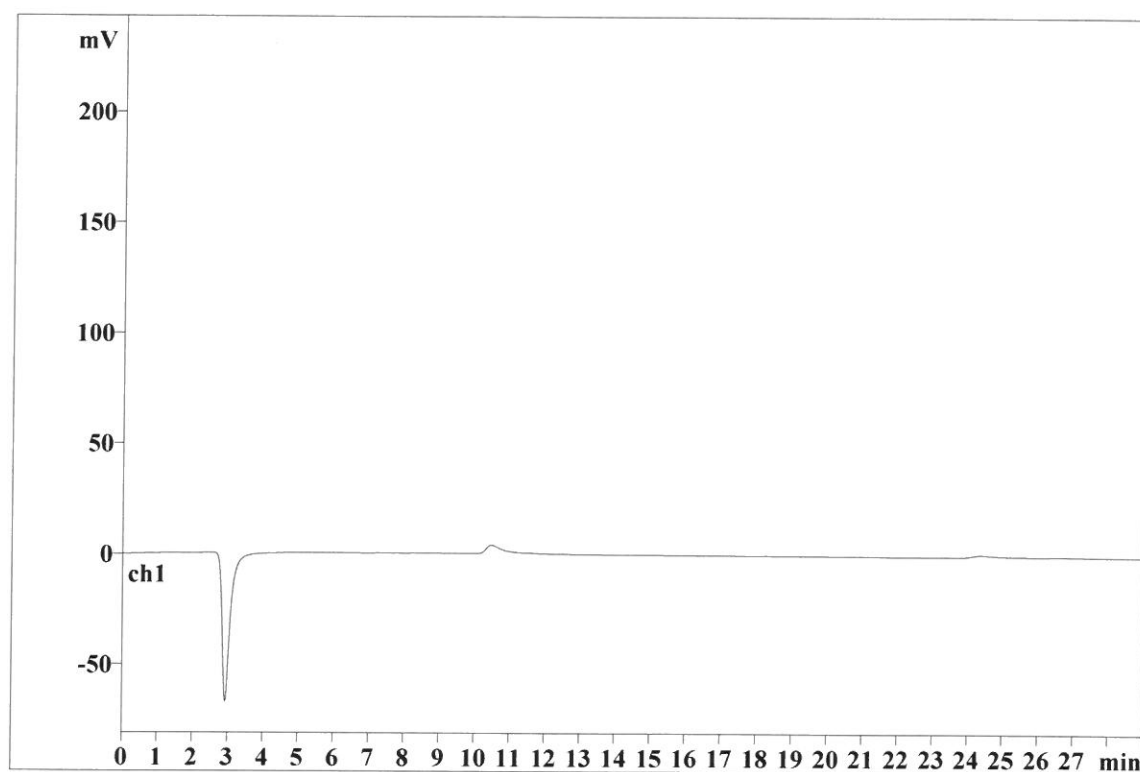
Ident: ICB  
Analysis from: 12/4/2017 2:51:53 PM  
File: \_2017-12-04\_

Last save: 12/4/2017 3:59:09 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15879

Last save: 12/4/2017 9:43:

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  
METROHM LTD

Report date: 12/11/2017 11:29:58 AM  
Printed by: wet

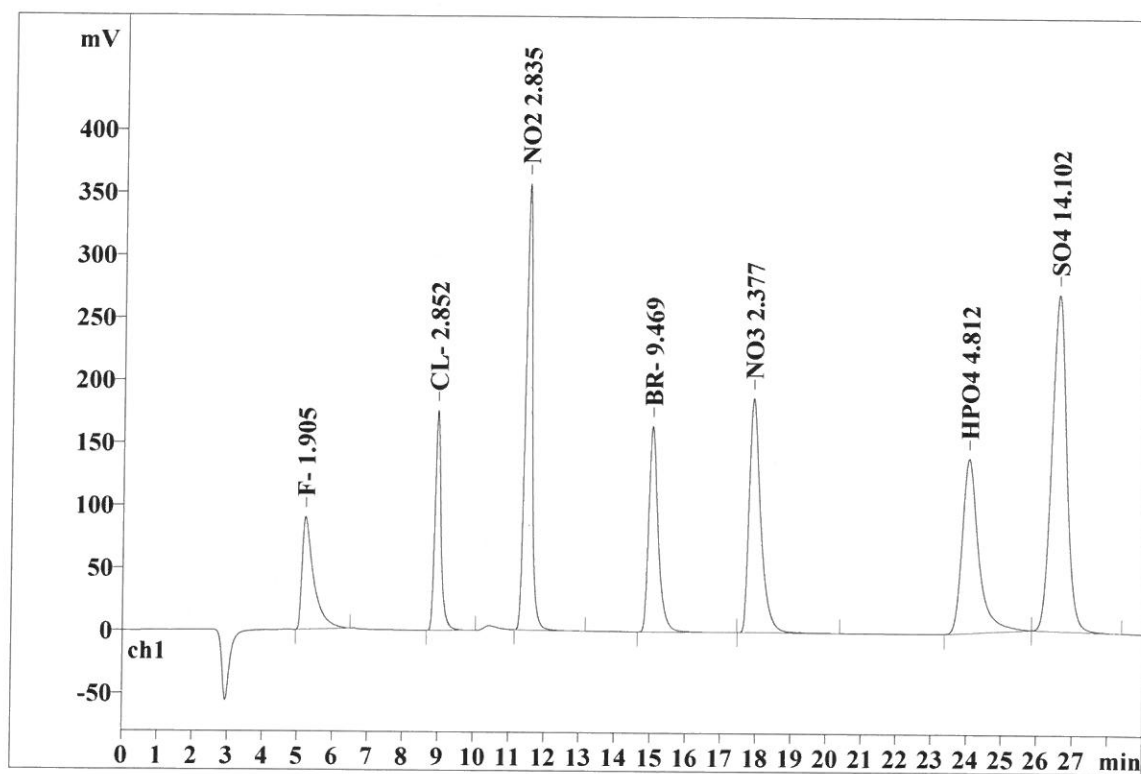
Ident: CCV  
Analysis from: 12/8/2017 1:10:47 PM  
File: \_2017-12-08\_

Last save: 12/8/2017 1:39:47 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15911

Last save: 12/4/2017 2:17:

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  | 5.20             | 0.316          | 90.06        | 6.52        | 2065.729       | 7.19      |
| 2  | 8.96             | 0.170          | 175.54       | 12.71       | 2072.574       | 7.22      |
| 3  | 11.49            | 0.200          | 356.62       | 25.82       | 4817.443       | 16.77     |
| 4  | 15.02            | 0.273          | 164.35       | 11.90       | 3069.491       | 10.69     |
| 5  | 17.88            | 0.335          | 186.96       | 13.54       | 4279.449       | 14.90     |
| 6  | 24.03            | 0.463          | 139.03       | 10.07       | 4564.614       | 15.89     |
| 7  | 26.55            | 0.444          | 268.59       | 19.45       | 7849.757       | 27.33     |
| 7  | 29.00            | 0.314          | 1381.15      | 100.00      | 28719.058      | 100.00    |

Report date: 12/11/2017 11:30:07 AM  
Printed by: wet

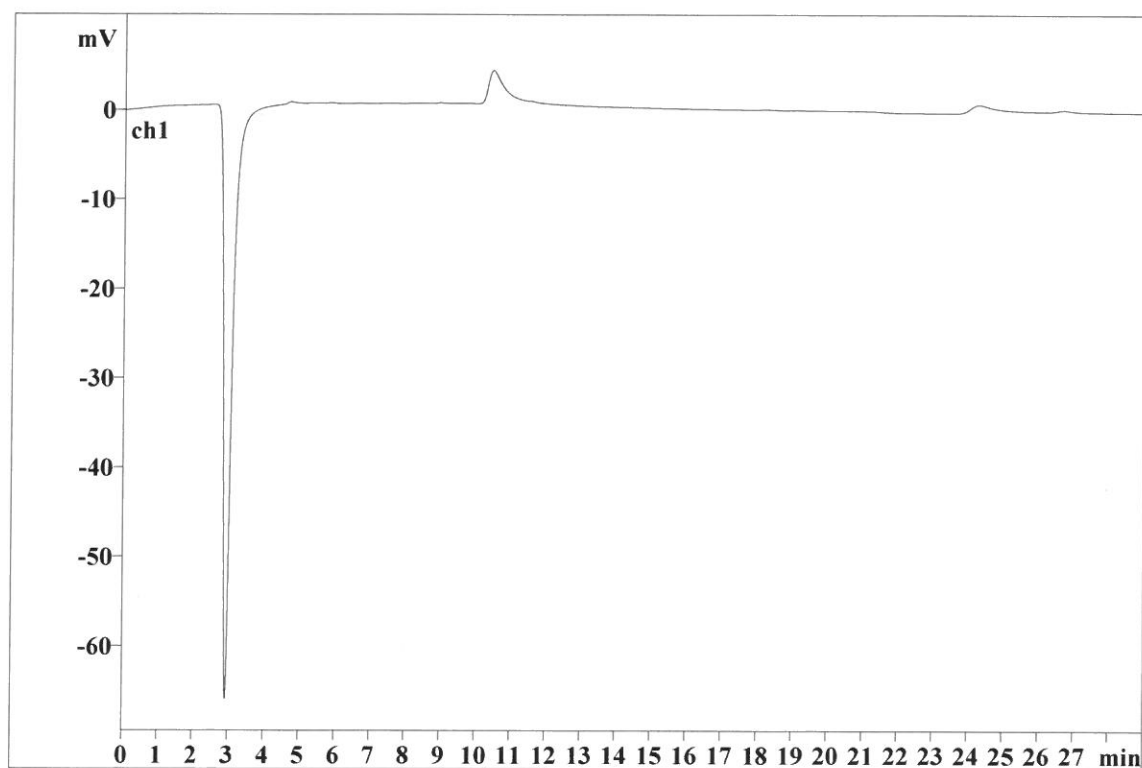
Ident: CCB  
Analysis from: 12/8/2017 1:42:42 PM  
File: \_2017-12-08\_

Last save: 12/8/2017 2:11:42 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15912

Last save: 12/4/2017 2:17:

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: 12/11/2017 11:30:26 AM  
Printed by: wet

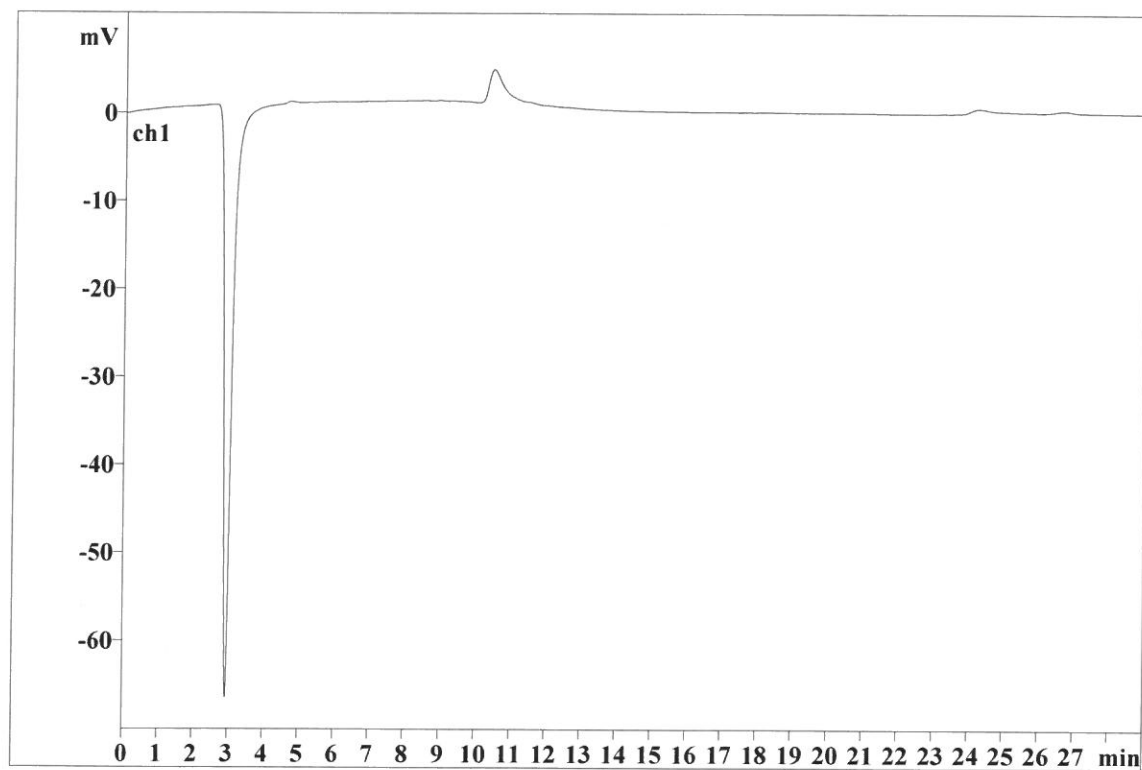
Ident: LB92045BLW  
Analysis from: 12/8/2017 2:14:38 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:08:23 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15913

Last save: 12/4/2017 2:17:

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: 12/11/2017 11:30:33 AM  
Printed by: wet

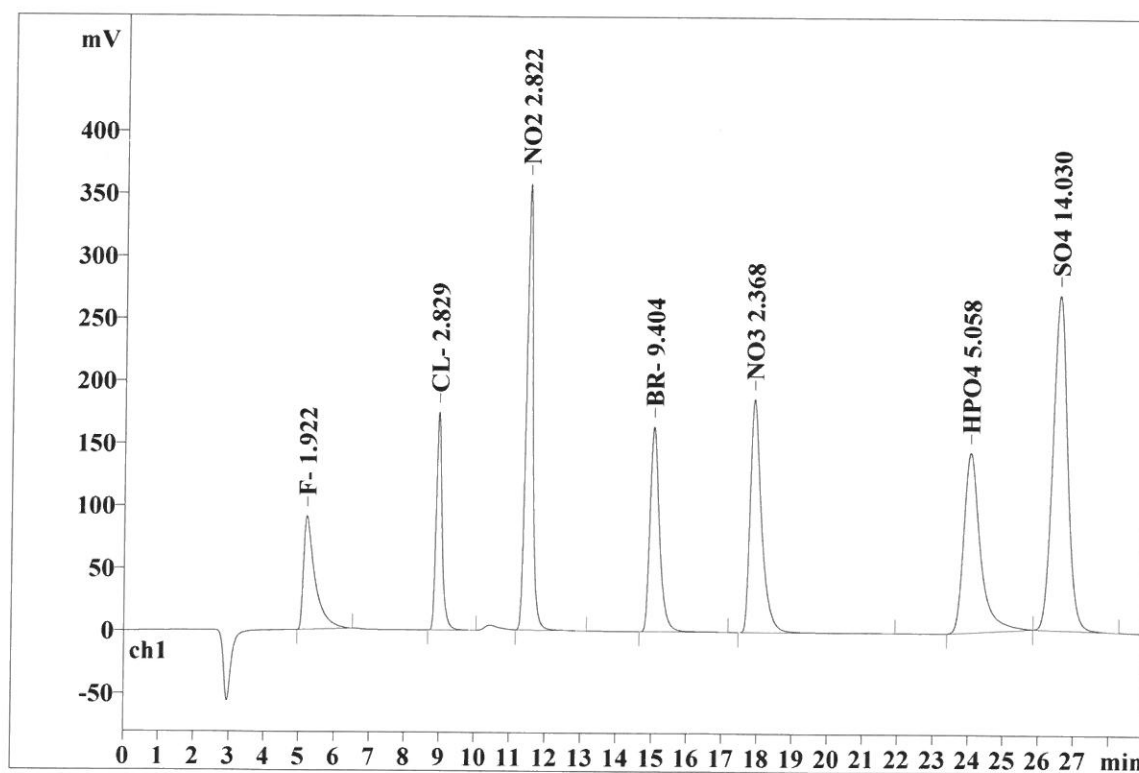
Ident: LB92045BSW  
Analysis from: 12/8/2017 2:46:33 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:08:23 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15914

Last save: 12/4/2017 2:17:

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  | 5.20             | 0.316          | 90.84        | 6.56        | 2084.763       | 7.24      |
| 2  | 8.95             | 0.170          | 174.47       | 12.60       | 2054.998       | 7.13      |
| 3  | 11.50            | 0.200          | 356.98       | 25.78       | 4793.572       | 16.64     |
| 4  | 15.02            | 0.272          | 163.97       | 11.84       | 3047.749       | 10.58     |
| 5  | 17.88            | 0.334          | 186.40       | 13.46       | 4263.116       | 14.80     |
| 6  | 24.03            | 0.465          | 143.79       | 10.39       | 4763.000       | 16.53     |
| 7  | 26.55            | 0.443          | 268.01       | 19.36       | 7807.133       | 27.09     |
| 7  | 29.00            | 0.314          | 1384.45      | 100.00      | 28814.330      | 100.00    |

This report has been created by IC Net  
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Report date: 12/11/2017 11:30:50 AM  
Printed by: wet

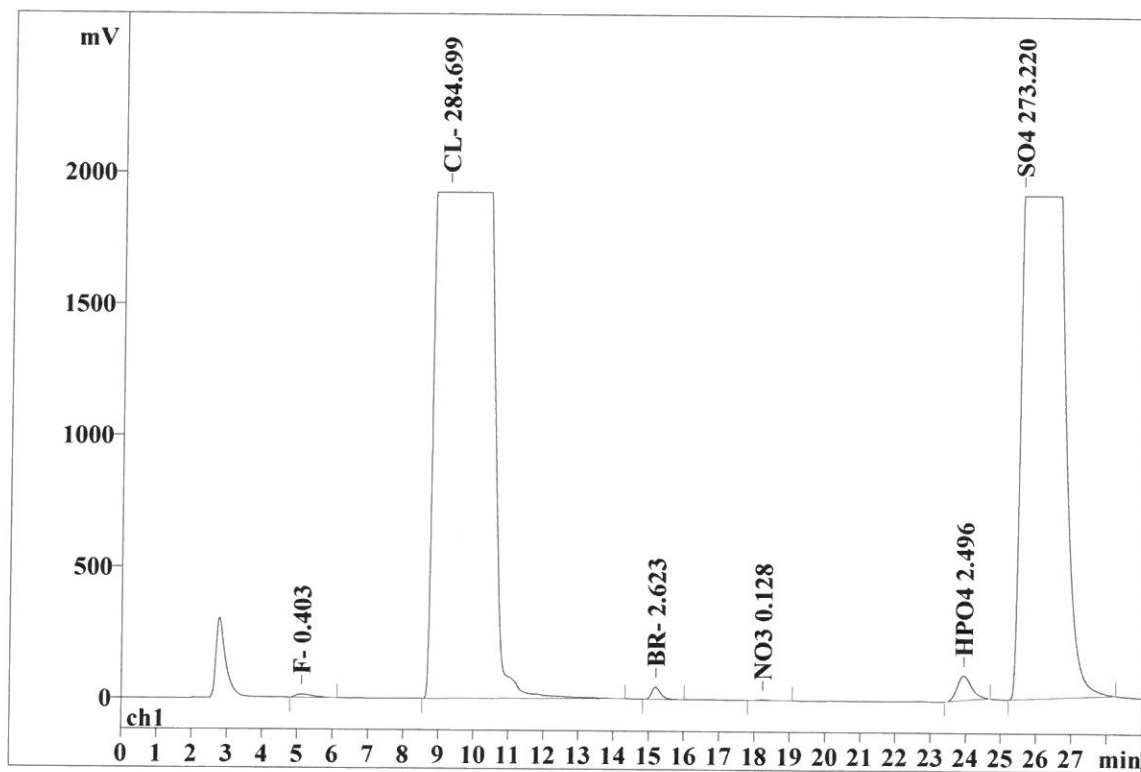
Ident: I6786-01  
Analysis from: 12/8/2017 3:27:26 PM  
File: \_2017-12-08\_

Last save: 12/8/2017 4:33:43 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15915

Last save: 12/4/2017 2:17:

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  | 5.12             | 0.530          | 12.00        | 0.30        | 403.967        | 0.11      |
| 2  | 9.23             | 1.817          | 1924.62      | 48.21       | 215613.026     | 56.72     |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 15.19            | 0.258          | 45.94        | 1.15        | 785.550        | 0.21      |
| 5  | 18.23            | 0.374          | 2.17         | 0.05        | 53.015         | 0.01      |
| 6  | 23.93            | 0.434          | 93.84        | 2.35        | 2695.569       | 0.71      |
| 7  | 25.53            | 1.334          | 1919.96      | 48.09       | 160583.011     | 42.24     |
| 7  | 29.00            | 0.678          | 3998.53      | 100.15      | 380134.140     | 100.00    |

Report date: 12/11/2017 11:31:44 AM  
Printed by: wet

Ident: I6786-02  
Analysis from: 12/8/2017 3:59:22 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:05:30 AM

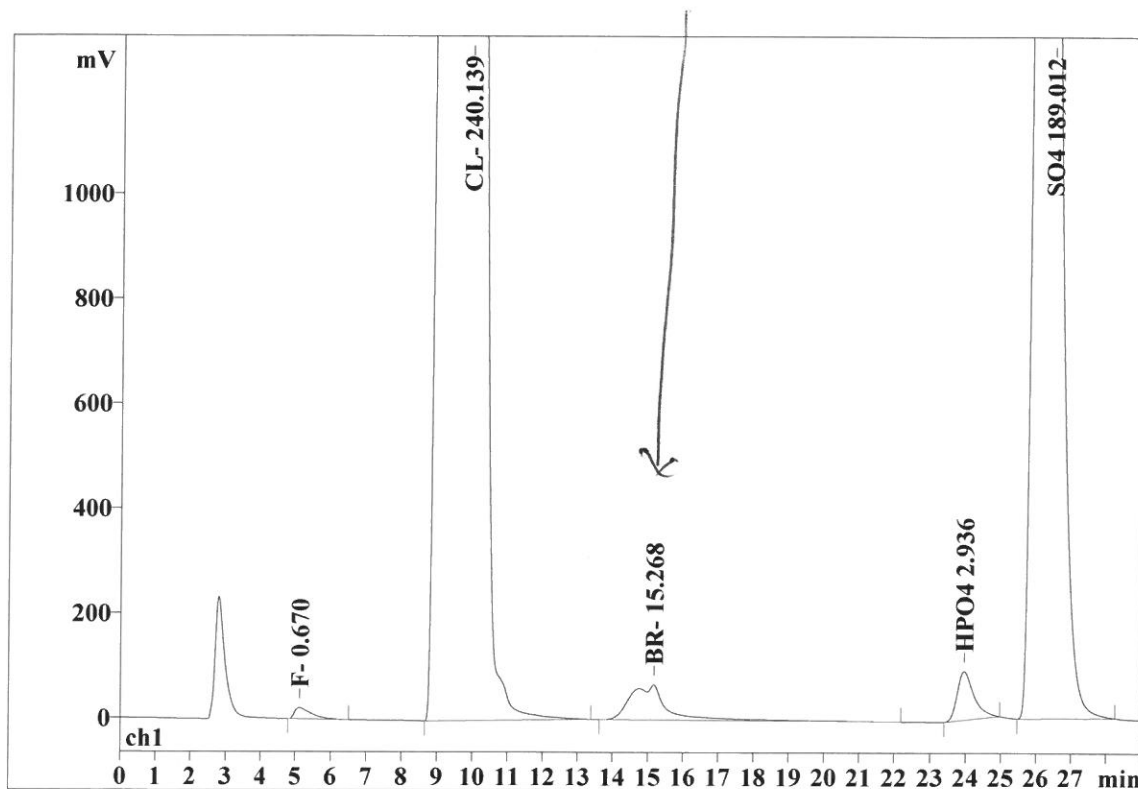
Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15916

Last save: 12/4/2017 2:17:

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

Before

Peak was not integrated properly by software



AL

4/11/18

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             | 0.496          | 21.13        | 0.52        | 699.140        | 0.23      |
| 2  | 9.93             | 1.517          | 1933.34      | 47.86       | 181852.460     | 60.31     |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 15.17            | 0.992          | 67.29        | 1.67        | 5004.257       | 1.66      |
| 5  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 6  | 23.95            | 0.477          | 93.11        | 2.30        | 3050.467       | 1.01      |
| 7  | 26.44            | 0.898          | 1924.74      | 47.64       | 110947.543     | 36.79     |
| 7  | 29.00            | 0.626          | 4039.60      | 100.00      | 301553.867     | 100.00    |

Report date: 12/11/2017 11:34:26 AM  
Printed by: wet

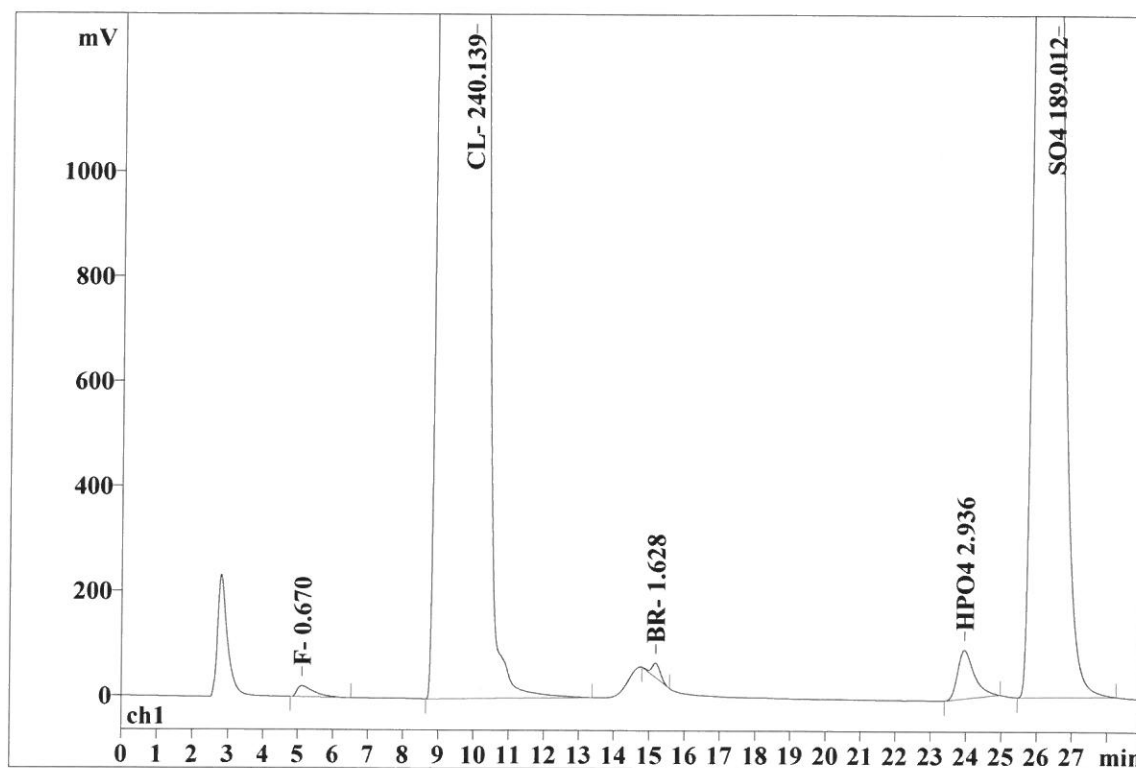
Ident: I6786-02  
Analysis from: 12/8/2017 3:59:22 PM  
File: 2017-12-08\_  
Modified! Manual peaks!  
Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15916

Last save: 12/11/2017 11:05:30 AM

Last save: 12/4/2017 2:17:

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

*After*  
*AS*  
*12/11/18*



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             | 0.496          | 21.13        | 0.53        | 699.140        | 0.24      |
| 2  | 9.93             | 1.517          | 1933.34      | 48.34       | 181852.460     | 61.23     |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 15.19            | 0.248          | 27.59        | 0.69        | 453.667        | 0.15      |
| 5  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 6  | 23.95            | 0.477          | 93.11        | 2.33        | 3050.467       | 1.03      |
| 7  | 26.44            | 0.898          | 1924.74      | 48.12       | 110947.543     | 37.36     |
| 7  | 29.00            | 0.519          | 3999.91      | 100.01      | 297003.277     | 100.00    |

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Report date: 12/11/2017 11:36:03 AM  
Printed by: wet

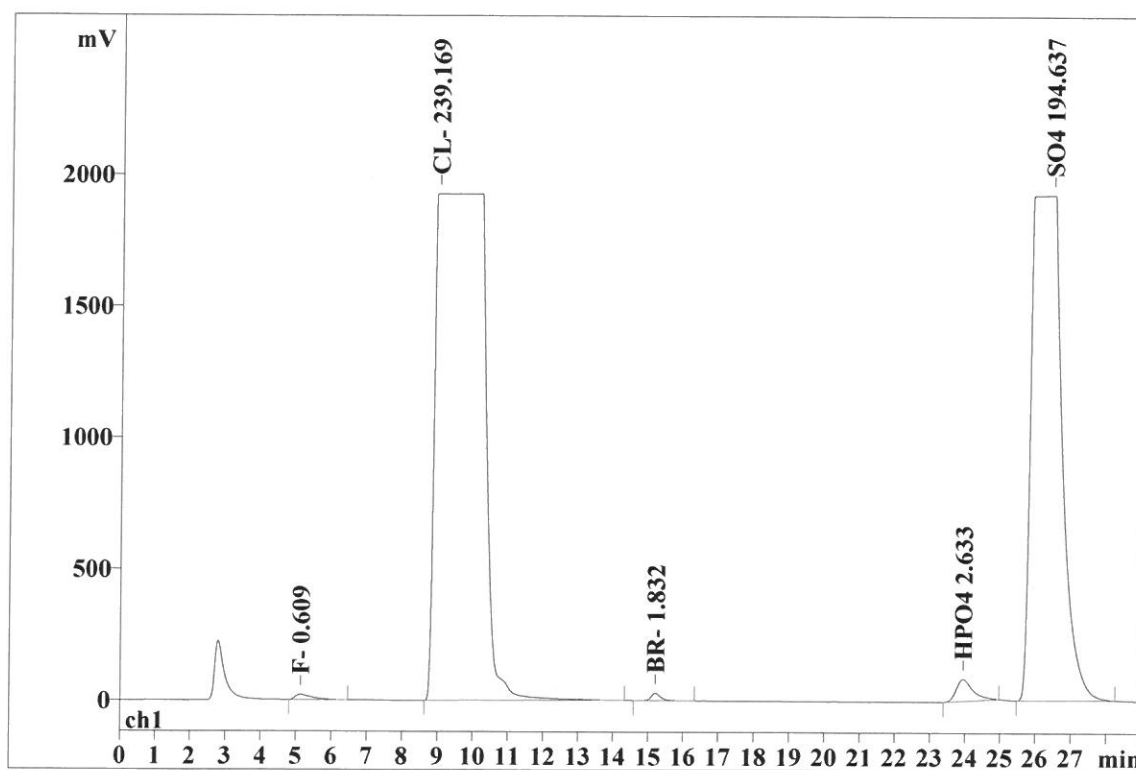
Ident: I6786-02DUP  
Analysis from: 12/8/2017 6:39:03 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:05:30 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15921

Last save: 12/4/2017 2:17:

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  | 5.13             | 0.498          | 19.20        | 0.48        | 632.081        | 0.21      |
| 2  | 8.97             | 1.508          | 1926.43      | 48.45       | 181117.099     | 60.51     |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 15.21            | 0.269          | 28.02        | 0.70        | 521.640        | 0.17      |
| 5  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 6  | 23.94            | 0.486          | 83.62        | 2.10        | 2806.265       | 0.94      |
| 7  | 26.41            | 0.909          | 1918.52      | 48.25       | 114263.424     | 38.17     |
| 7  | 29.00            | 0.524          | 3975.79      | 99.99       | 299340.510     | 100.00    |

Report date: 12/11/2017 11:46:28 AM  
Printed by: wet

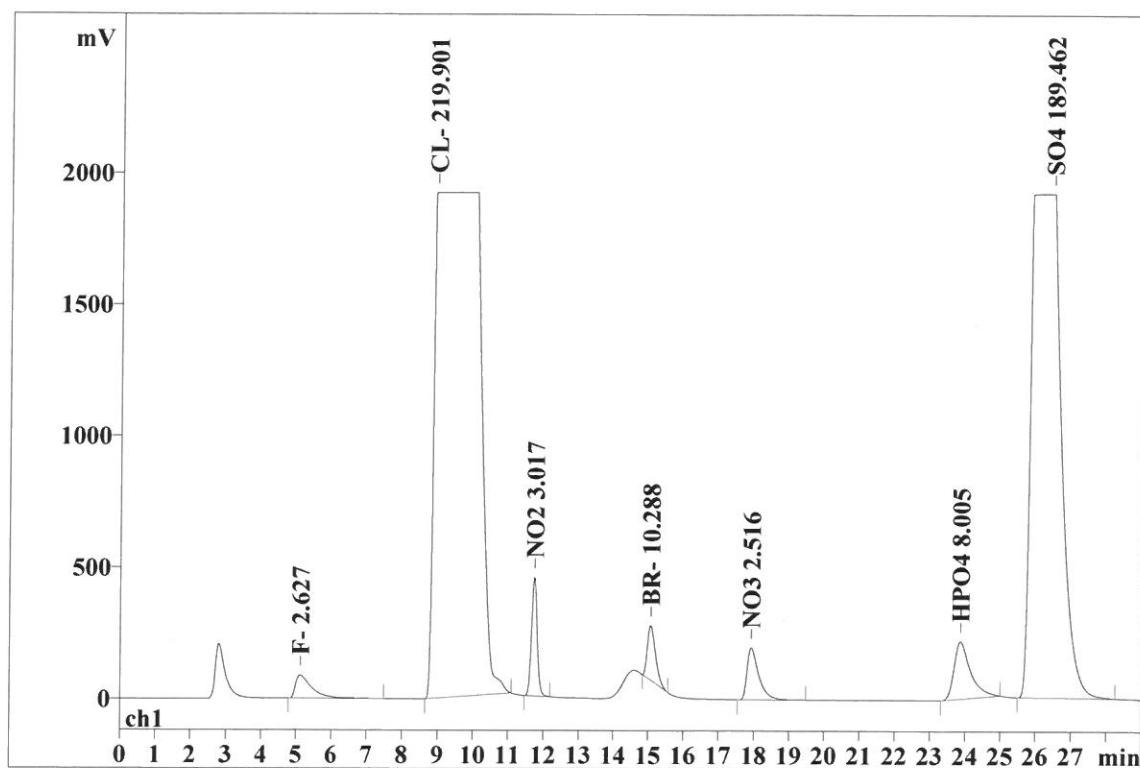
Ident: I6786-02MS  
Analysis from: 12/8/2017 7:10:59 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:46:27 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15922

Last save: 12/4/2017 2:17:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.12             | 0.461          | 88.00        | 1.76        | 2864.750       | 0.95      |
| 2  | 8.94             | 1.405          | 1923.24      | 38.45       | 166518.607     | 55.36     |
| 3  | 11.74            | 0.175          | 450.65       | 9.01        | 5142.081       | 1.71      |
| 4  | 15.07            | 0.248          | 207.53       | 4.15        | 3342.649       | 1.11      |
| 5  | 17.92            | 0.333          | 197.46       | 3.95        | 4542.115       | 1.51      |
| 6  | 23.86            | 0.469          | 218.26       | 4.36        | 7141.756       | 2.37      |
| 7  | 26.46            | 0.897          | 1919.26      | 38.37       | 111213.222     | 36.98     |
| 7  | 29.00            | 0.570          | 5004.40      | 100.05      | 300765.182     | 100.00    |

Report date: 12/11/2017 11:48:55 AM  
Printed by: wet

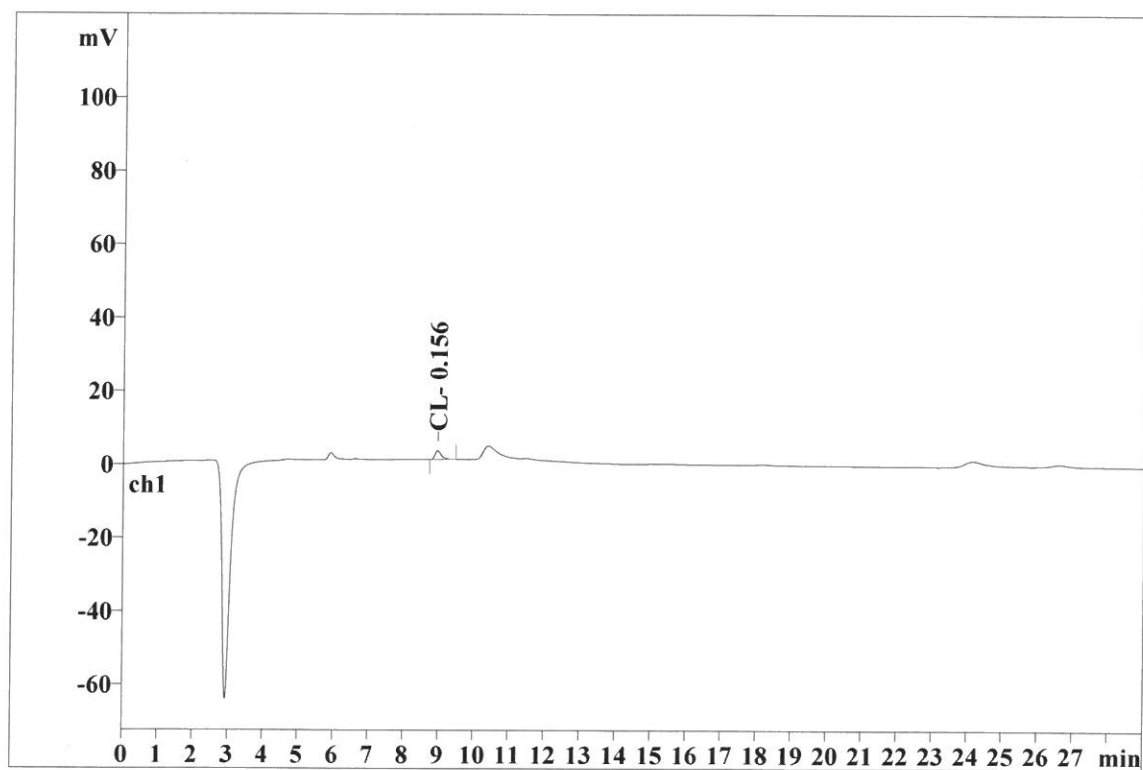
Ident: I6786-03  
Analysis from: 12/8/2017 8:46:54 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:48:50 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15925

Last save: 12/4/2017 2:17:

SAMPLE:  
: 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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 8.96             | 0.180          | 2.40         | 100.02      | 29.615         | 100.00    |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 5  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 6  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 7  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 7  | 29.00            | 0.026          | 2.40         | 100.02      | 29.615         | 100.00    |

Report date: 12/11/2017 11:49:37 AM  
Printed by: wet

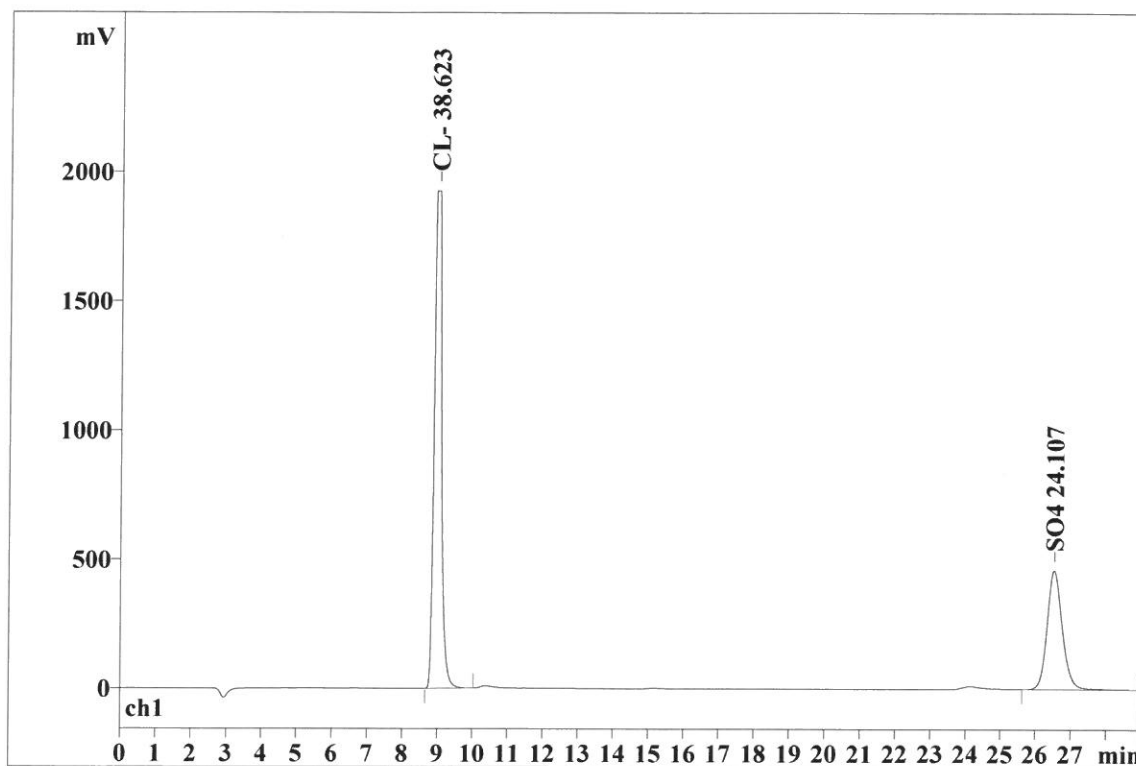
Ident: I6786-01DLX20  
Analysis from: 12/8/2017 9:18:51 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:49:36 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15926

Last save: 12/4/2017 2:17:

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>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 9.01             | 0.222          | 1927.75      | 80.78       | 29174.279      | 67.97     |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 5  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 6  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 7  | 26.52            | 0.447          | 460.16       | 19.28       | 13746.855      | 32.03     |
| 7  | 29.00            | 0.096          | 2387.91      | 100.06      | 42921.133      | 100.00    |

Report date: 12/11/2017 11:49:54 AM  
Printed by: wet

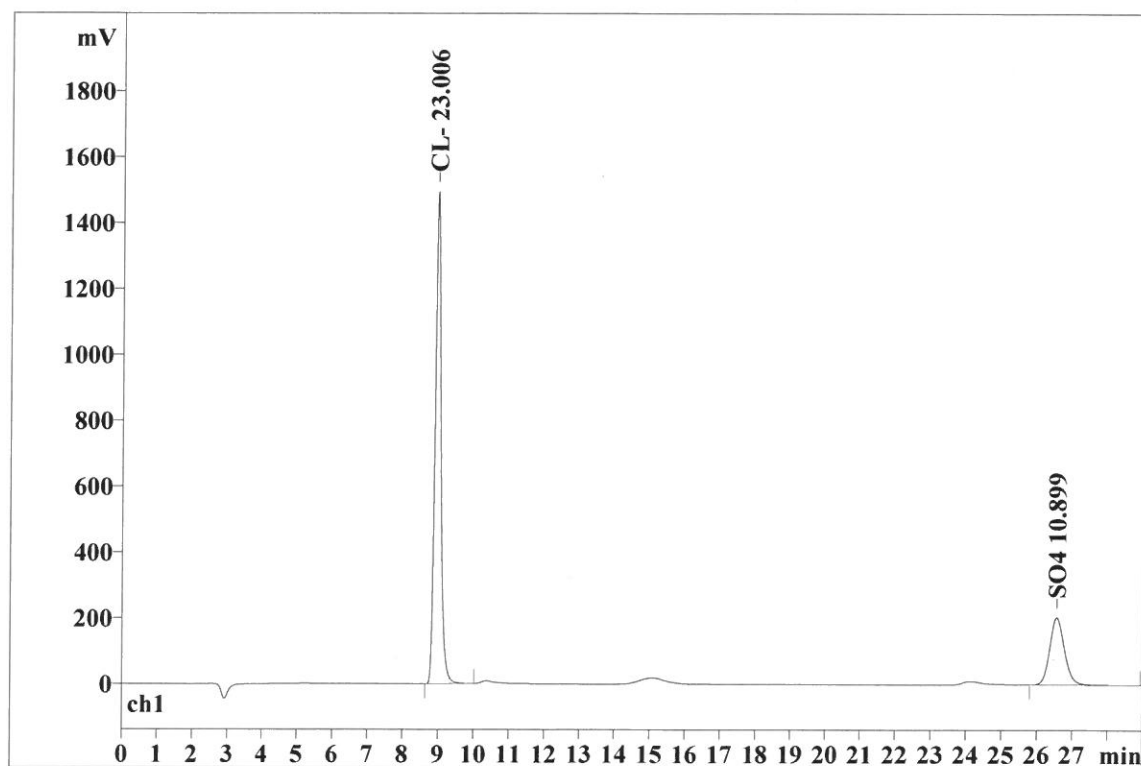
Ident: I6786-02DLX20  
Analysis from: 12/8/2017 9:50:47 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:49:53 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15927

Last save: 12/4/2017 2:17:

SAMPLE:  
: AK/AP  
Vial number: 15  
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  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 8.96             | 0.170          | 1494.85      | 87.97       | 17341.774      | 74.42     |
| 3  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 4  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 5  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 6  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 7  | 26.56            | 0.443          | 204.44       | 12.03       | 5961.374       | 25.58     |
| 7  | 29.00            | 0.087          | 1699.29      | 100.00      | 23303.147      | 100.00    |

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Report date: 12/11/2017 11:50:01 AM  
Printed by: wet

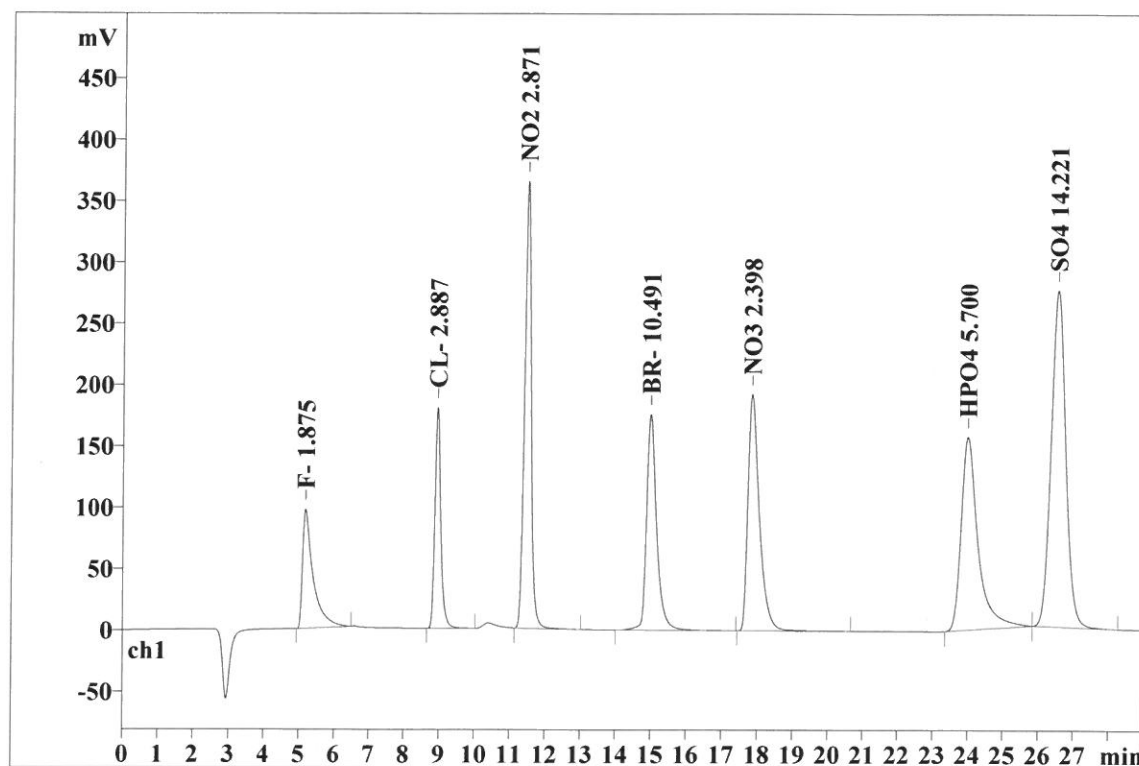
Ident: CCV  
Analysis from: 12/8/2017 10:22:49 PM  
File: \_2017-12-08\_

Last save: 12/8/2017 10:51:49 PM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15928

Last save: 12/4/2017 2:17:

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  | 5.18             | 0.276          | 97.15        | 6.74        | 2032.722       | 6.79      |
| 2  | 8.94             | 0.170          | 180.17       | 12.49       | 2099.135       | 7.01      |
| 3  | 11.47            | 0.200          | 364.78       | 25.29       | 4880.899       | 16.30     |
| 4  | 14.98            | 0.275          | 175.99       | 12.20       | 3410.424       | 11.39     |
| 5  | 17.83            | 0.330          | 192.65       | 13.36       | 4319.710       | 14.43     |
| 6  | 23.98            | 0.467          | 157.31       | 10.91       | 5280.878       | 17.64     |
| 7  | 26.53            | 0.440          | 274.15       | 19.01       | 7919.819       | 26.45     |
| 7  | 29.00            | 0.308          | 1442.18      | 100.00      | 29943.587      | 100.00    |

Report date: 12/11/2017 11:50:08 AM  
Printed by: wet

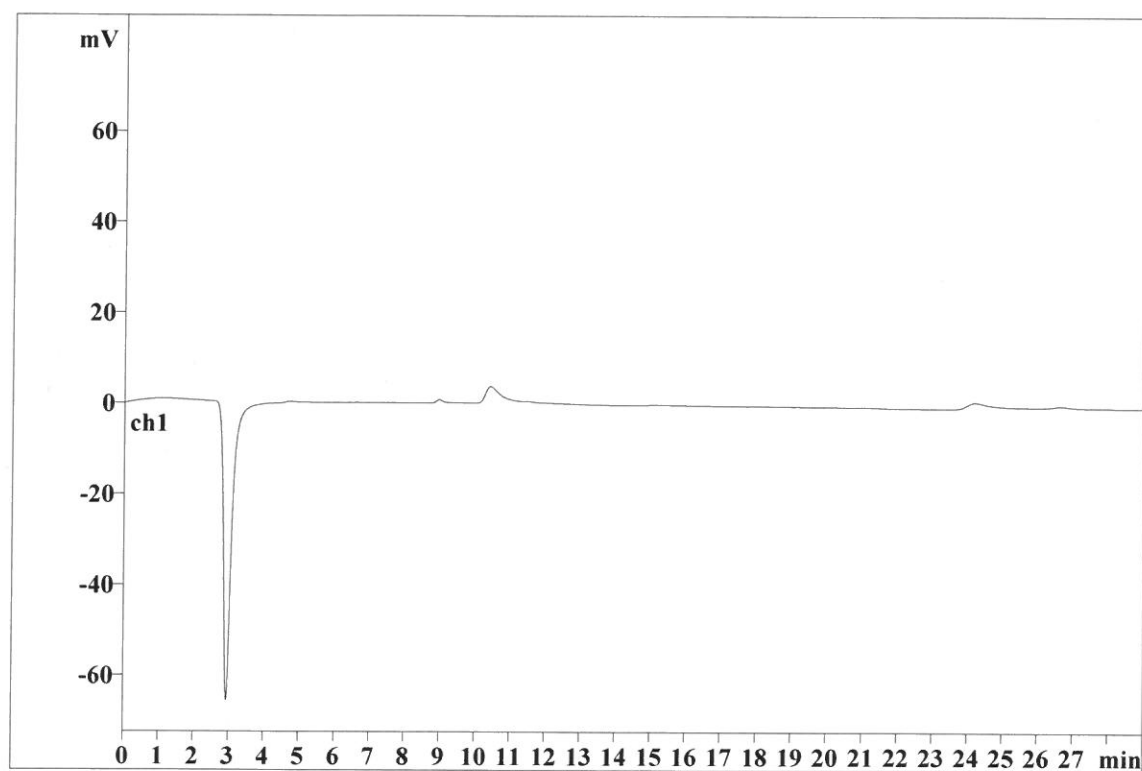
Ident: CCB  
Analysis from: 12/8/2017 10:54:45 PM  
File: \_2017-12-08\_

Last save: 12/11/2017 11:02:11 AM

Method: AnionsIC2-120417.mtw  
Run operator: wet  
Analysis number: 15929

Last save: 12/4/2017 2:17:

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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