

300.0

IC-R

AK-76-17

Clear table

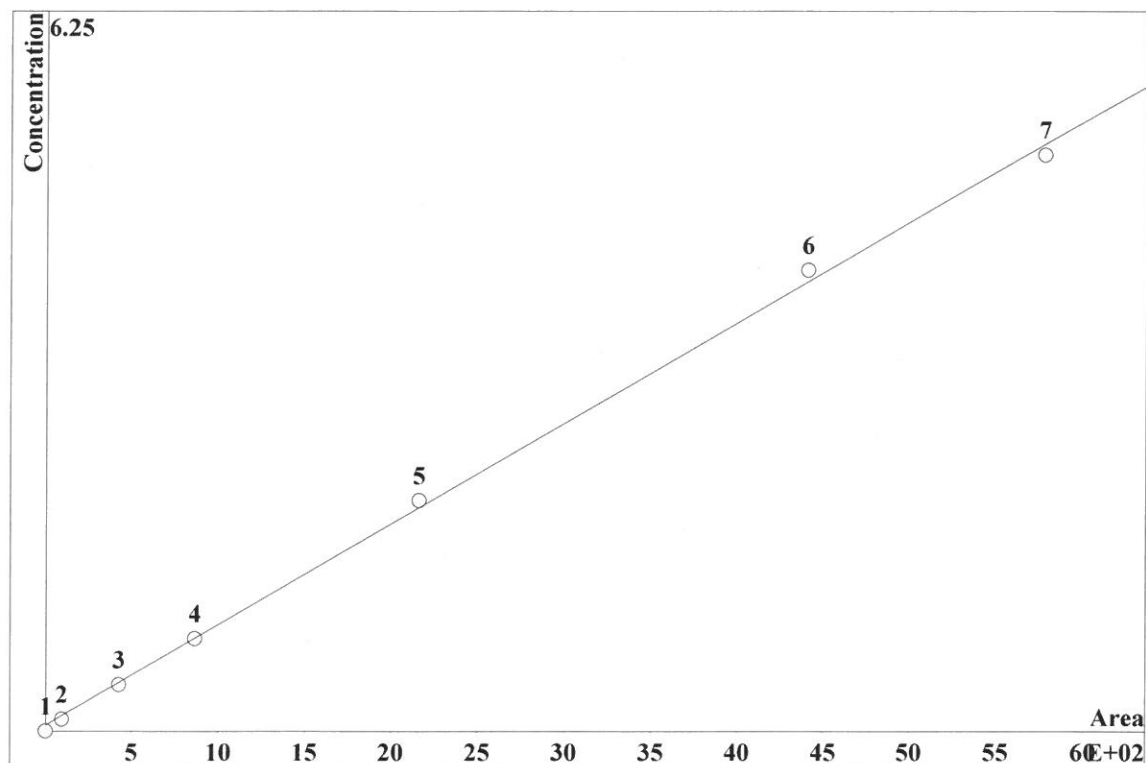
| ident       | concentrati<br>on F- | concentrati<br>on CL- | concentrati<br>on NO2 | concentrati<br>on BR- | concentrati<br>on NO3 | concentrati<br>on HPO4 | concentrati<br>on SO4 | file name   | date time     |
|-------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------|---------------|
| STD1        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-08_ | 6/8/17 10:57  |
| STD2        | 0.1300               | 0.2280                | 0.2430                | 0.6830                | 0.1990                | 0.1330                 | 1.2860                | 2017-06-08_ | 6/8/17 11:28  |
| STD3        | 0.4180               | 0.6310                | 0.6350                | 2.0810                | 0.5240                | 1.0660                 | 3.2030                | 2017-06-08_ | 6/8/17 11:59  |
| STD4        | 0.8040               | 1.1660                | 1.1560                | 3.8980                | 0.9740                | 2.0580                 | 5.8490                | 2017-06-08_ | 6/8/17 12:30  |
| STD5        | 1.9330               | 2.8390                | 2.8230                | 9.5130                | 2.3720                | 4.7630                 | 14.1600               | 2017-06-08_ | 6/8/17 13:01  |
| STD6        | 3.8830               | 5.8840                | 5.9620                | 19.6130               | 4.9110                | 10.0520                | 29.5180               | 2017-06-08_ | 6/8/17 13:32  |
| STD7        | 5.0950               | 7.6330                | 7.6040                | 25.4210               | 6.3610                | 12.7380                | 38.2680               | 2017-06-08_ | 6/8/17 14:03  |
| ICV         | 2.0250               | 2.9610                | 2.9530                | 9.8990                | 2.4660                | 5.1220                 | 14.6460               | 2017-06-08_ | 6/8/17 15:47  |
| ICB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-08_ | 6/8/17 17:26  |
| CCV         | 1.9830               | 2.8600                | 2.8230                | 9.6040                | 2.3860                | 4.8590                 | 14.1470               | 2017-06-30_ | 6/30/17 12:02 |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-30_ | 6/30/17 12:33 |
| LB88549BLW  | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-30_ | 6/30/17 13:04 |
| LB88549BSW  | 1.9840               | 2.8480                | 2.8180                | 9.5540                | 2.3770                | 4.9730                 | 14.0790               | 2017-06-30_ | 6/30/17 13:35 |
| I4011-01    | 0.0000               | 0.1180                | 0.0000                | 0.0000                | 0.1140                | 0.0000                 | 0.0000                | 2017-06-30_ | 6/30/17 14:20 |
| I4011-02    | 0.0000               | 0.1600                | 0.0000                | 0.0000                | 0.1150                | 0.0000                 | 0.7790                | 2017-06-30_ | 6/30/17 14:51 |
| I4011-03    | 0.0000               | 0.1100                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-30_ | 6/30/17 15:22 |
| I4011-03DUP | 0.0000               | 0.1150                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-30_ | 6/30/17 15:53 |
| I4011-03MS  | 1.9170               | 2.9760                | 2.9320                | 9.9030                | 2.4650                | 4.9420                 | 14.8510               | 2017-06-30_ | 6/30/17 16:24 |
| CCV         | 1.9700               | 2.8490                | 2.8190                | 9.5490                | 2.3800                | 5.0560                 | 14.0540               | 2017-06-30_ | 6/30/17 16:55 |
| CCB         | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | 2017-06-30_ | 6/30/17 17:26 |

IC 2 Cat.

6-8-17

# CALIBRATION OF COMPONENT F-

Method: AnionIC2-060817.mtw  
Equation:  $Q = 0.0174627 \cdot A + 1.01419$   
RSD: 3.795 %  
Correlation coefficient: 0.999412

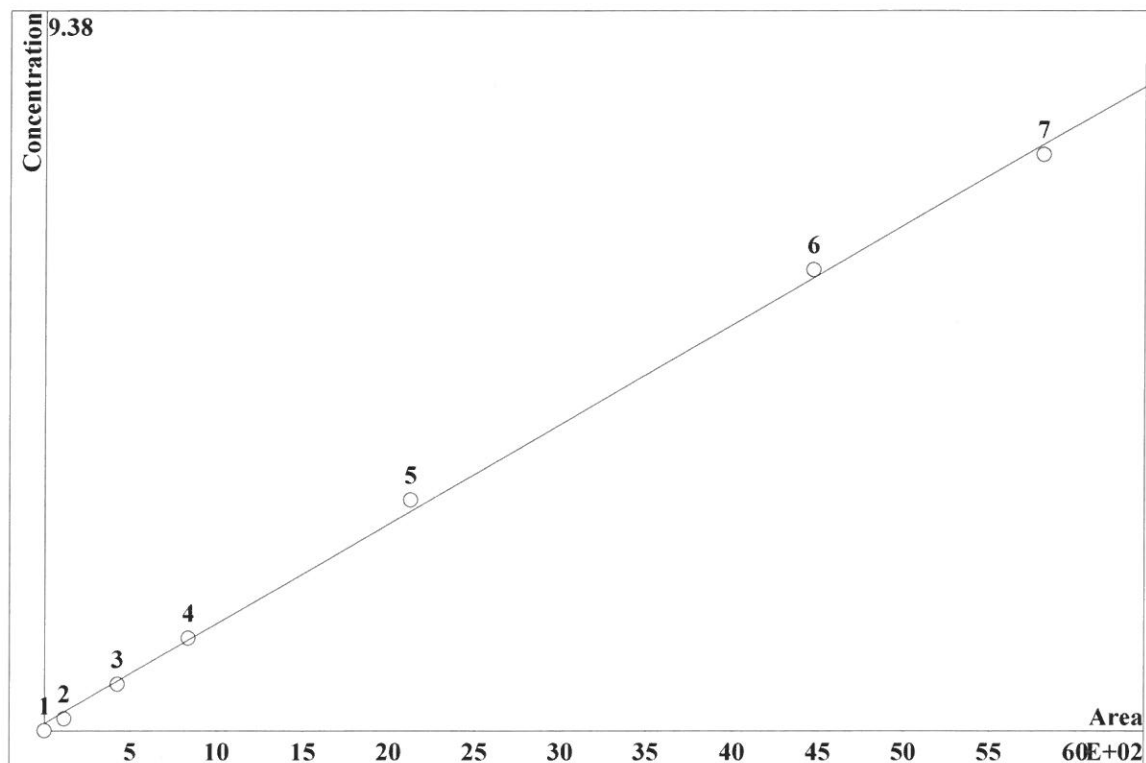


K3 = 0      K2 = 0      K1 = 0.0174627      K0 = 1.01419  
Base: Area  
Ref.channel: ch1  
ISTD:  
Formula: Linear  
Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 4.097  | 96.77 | 0.1   | 20      | 5.175     |      |      |
| 3     | 16.82  | 425.8 | 0.4   | 20      | 5.175     |      |      |
| 4     | 35.31  | 865.9 | 0.8   | 20      | 5.175     |      |      |
| 5     | 86.96  | 2163  | 2     | 20      | 5.175     |      |      |
| 6     | 176.6  | 4410  | 4     | 20      | 5.175     |      |      |
| 7     | 242.2  | 5777  | 5     | 20      | 5.175     |      |      |

CALIBRATION OF COMPONENT CL-

Method: AnionIC2-060817.mtw  
 Equation:  $Q = 0.0259527 \cdot A + 1.8564$   
 RSD: 4.057 %  
 Correlation coefficient: 0.999328



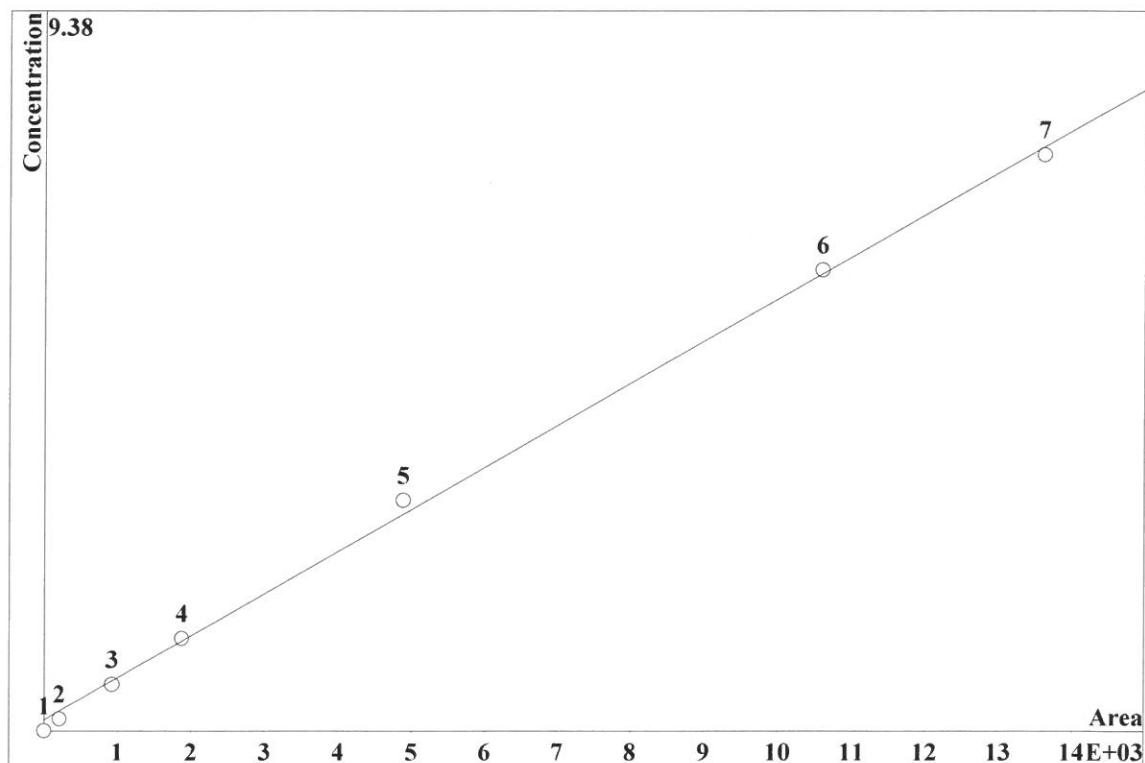
K3 = 0      K2 = 0      K1 = 0.0259527      K0 = 1.8564

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     | 6.818  | 118   | 0.15  | 20      | 9.032     |      |      |
| 3     | 27.41  | 426   | 0.6   | 20      | 9.032     |      |      |
| 4     | 55.39  | 836.6 | 1.2   | 20      | 9.032     |      |      |
| 5     | 145.2  | 2127  | 3     | 20      | 9.032     |      |      |
| 6     | 310.2  | 4471  | 6     | 20      | 9.032     |      |      |
| 7     | 405.9  | 5811  | 7.5   | 20      | 9.032     |      |      |

CALIBRATION OF COMPONENT NO2

Method: AnionIC2-060817.mtw  
 Equation:  $Q = 0.0109583 \cdot A + 2.83736$   
 RSD: 4.065 %  
 Correlation coefficient: 0.999325



K3 = 0      K2 = 0      K1 = 0.0109583      K0 = 2.83736

Base: Area

Ref.channel: ch1

ISTD:

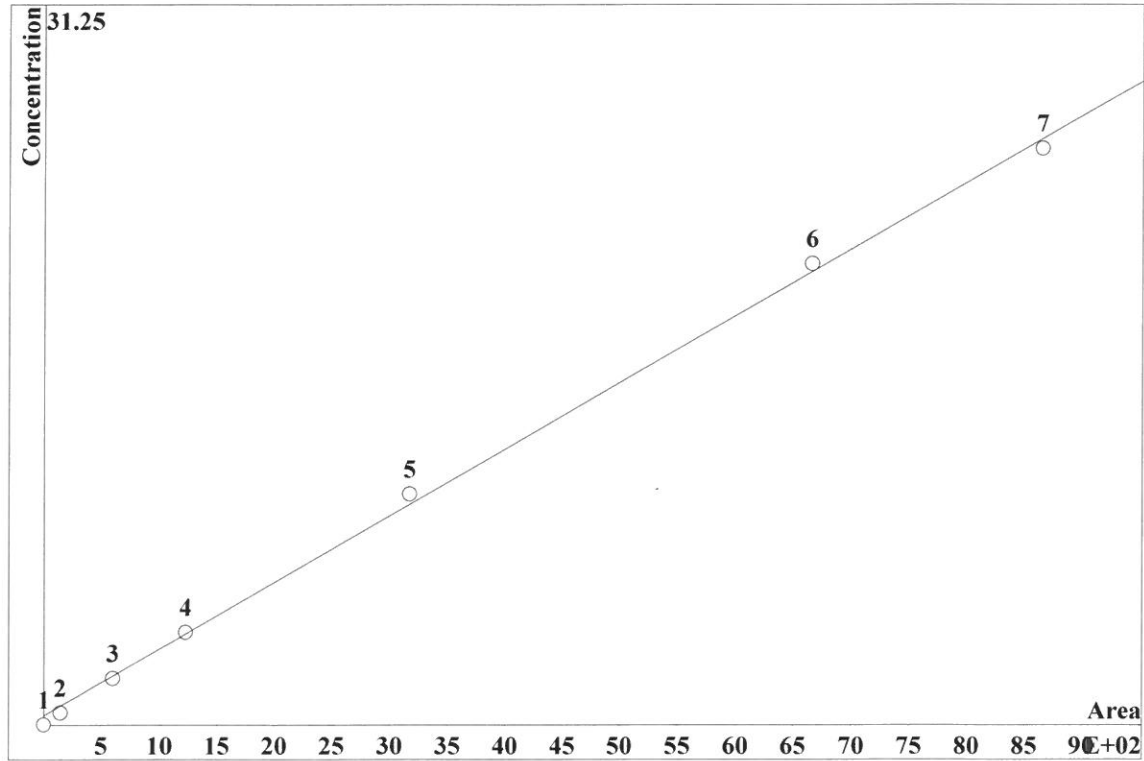
Formula: Linear

Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 12.54  | 217.3     | 0.15  | 20      | 11.72     |      |      |
| 3     | 53.22  | 928       | 0.6   | 20      | 11.72     |      |      |
| 4     | 106.9  | 1872      | 1.2   | 20      | 11.72     |      |      |
| 5     | 283.9  | 4884      | 3     | 20      | 11.72     |      |      |
| 6     | 616.3  | 1.06e+04  | 6     | 20      | 11.72     |      |      |
| 7     | 779.7  | 1.362e+04 | 7.5   | 20      | 11.72     |      |      |

CALIBRATION OF COMPONENT BR-

Method: AnionIC2-060817.mtw  
 Equation:  $Q = 0.0578527 \cdot A + 7.66262$   
 RSD: 3.793 %  
 Correlation coefficient: 0.999413



K3 = 0      K2 = 0      K1 = 0.0578527      K0 = 7.66262

Base: Area

Ref.channel: ch1

ISTD:

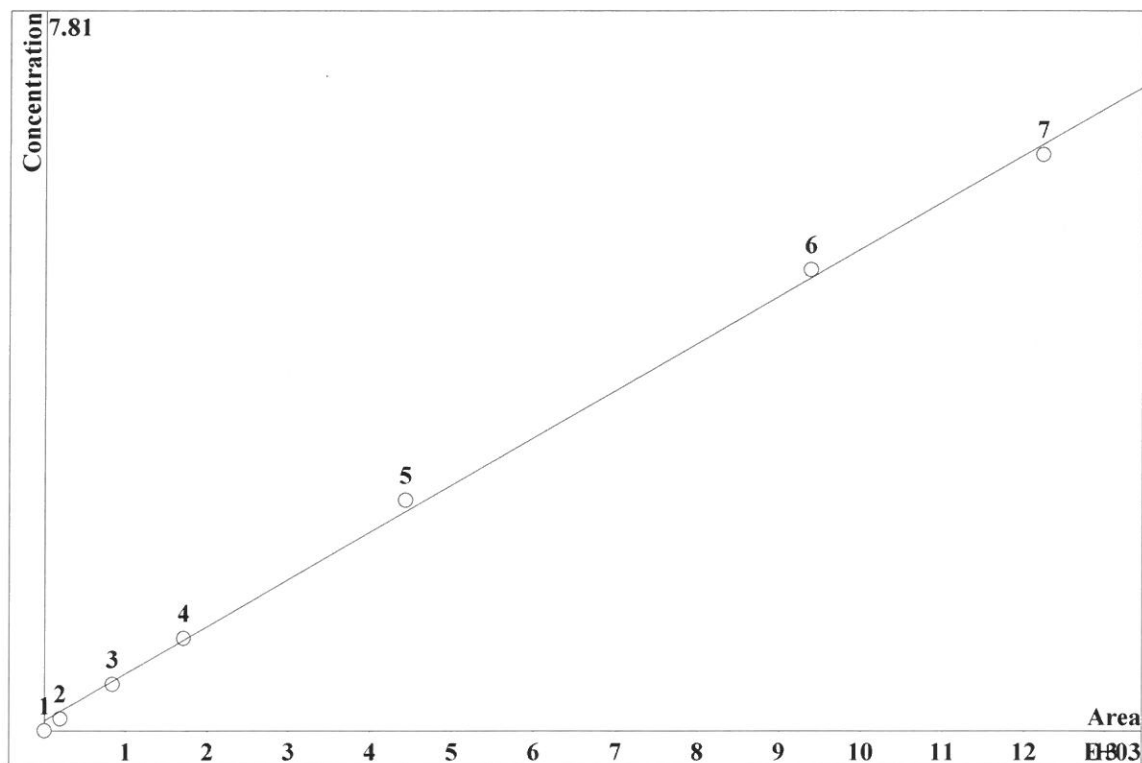
Formula: Linear

Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 6.632  | 147.3 | 0.5   | 20      | 15.11     |      |      |
| 3     | 27.36  | 600.7 | 2     | 20      | 15.11     |      |      |
| 4     | 55.9   | 1227  | 4     | 20      | 15.11     |      |      |
| 5     | 145.6  | 3172  | 10    | 20      | 15.11     |      |      |
| 6     | 307.5  | 6663  | 20    | 20      | 15.11     |      |      |
| 7     | 400.6  | 8656  | 25    | 20      | 15.11     |      |      |

CALIBRATION OF COMPONENT NO3

Method: AnionIC2-060817.mtw  
 Equation:  $Q = 0.0102392 \cdot A + 2.16037$   
 RSD: 4.092 %  
 Correlation coefficient: 0.999316

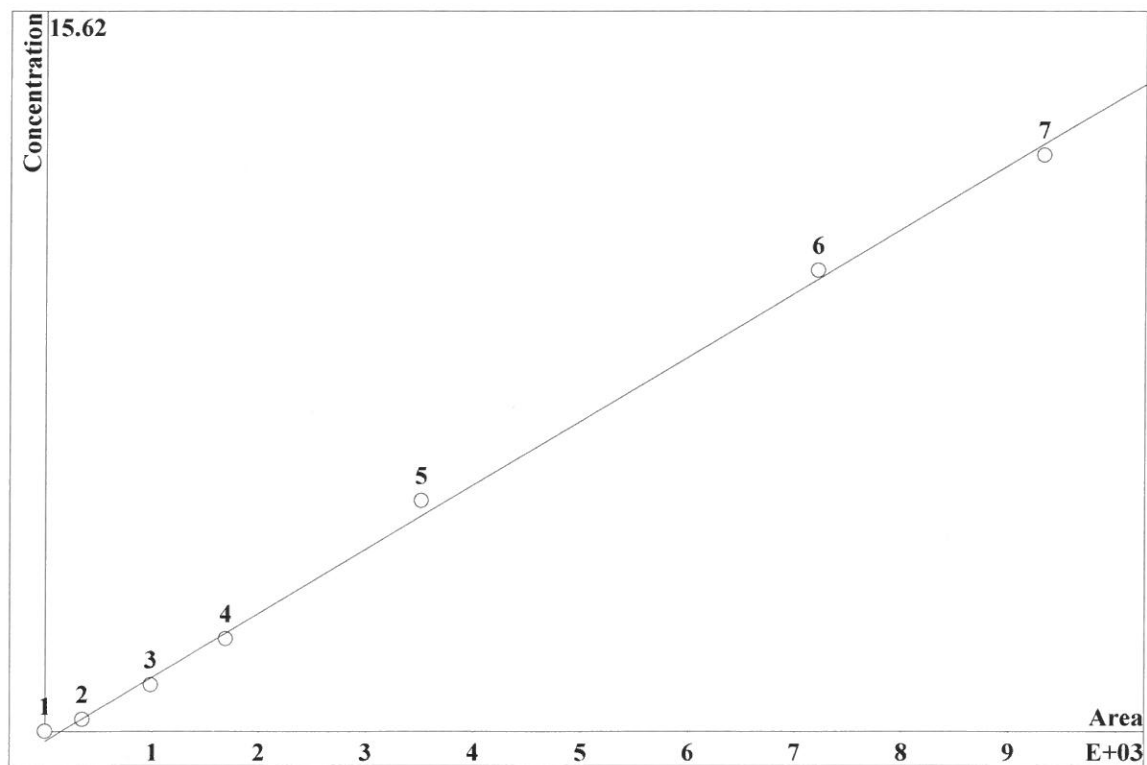


K3 = 0      K2 = 0      K1 = 0.0102392      K0 = 2.16037  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 7.867  | 198.1     | 0.125 | 20      | 17.96     |      |      |
| 3     | 33.01  | 832.6     | 0.5   | 20      | 17.96     |      |      |
| 4     | 67.19  | 1706      | 1     | 20      | 17.96     |      |      |
| 5     | 172.9  | 4432      | 2.5   | 20      | 17.96     |      |      |
| 6     | 358.7  | 9383      | 5     | 20      | 17.96     |      |      |
| 7     | 462.1  | 1.221e+04 | 6.25  | 20      | 17.96     |      |      |

CALIBRATION OF COMPONENT HPO4

Method: AnionIC2-060817.mtw  
 Equation:  $Q = 0.0277933 \cdot A - 4.40358$   
 RSD: 4.810 %  
 Correlation coefficient: 0.999055

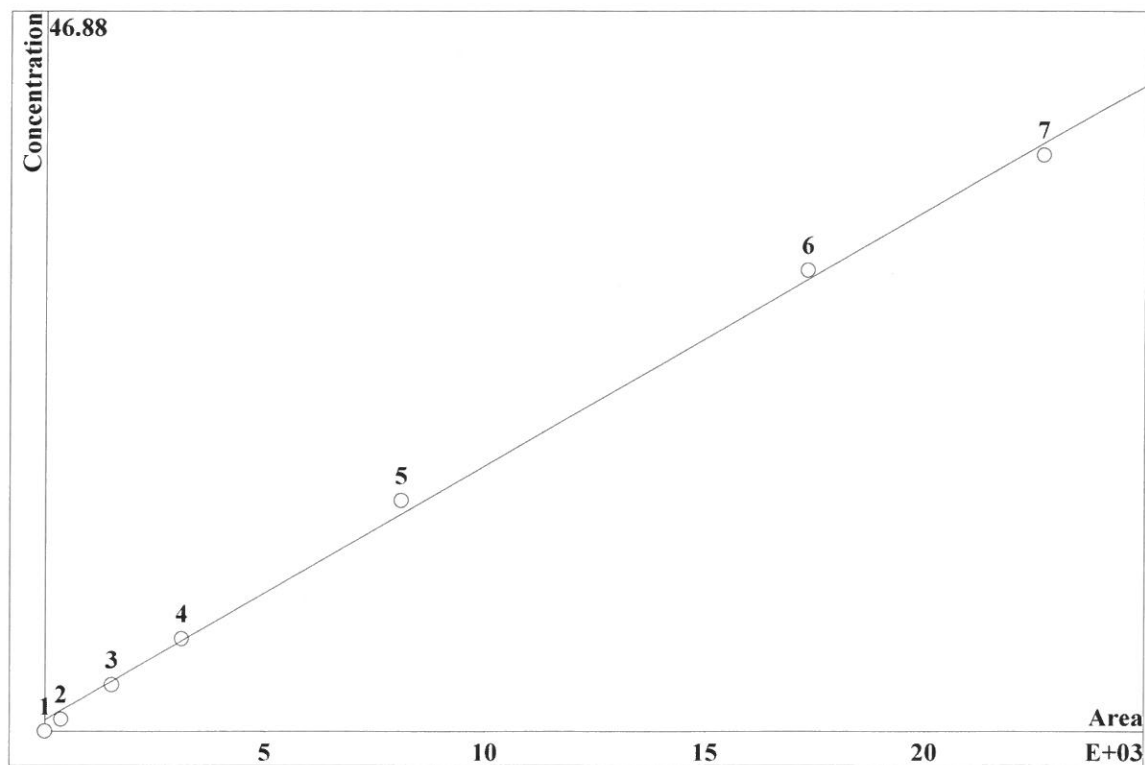


K3 = 0      K2 = 0      K1 = 0.0277933      K0 = -4.40358  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 7.297  | 349.8 | 0.25  | 20      | 23.35     |      |      |
| 3     | 24.34  | 986   | 1     | 20      | 23.35     |      |      |
| 4     | 44.04  | 1687  | 2     | 20      | 23.35     |      |      |
| 5     | 93.31  | 3518  | 5     | 20      | 23.35     |      |      |
| 6     | 203    | 7213  | 10    | 20      | 23.35     |      |      |
| 7     | 266.9  | 9325  | 12.5  | 20      | 23.35     |      |      |

CALIBRATION OF COMPONENT SO4

Method: AnionIC2-060817.mtw  
 Equation:  $Q = 0.0330868 \cdot A + 14.6116$   
 RSD: 4.796 %  
 Correlation coefficient: 0.999061



K3 = 0      K2 = 0      K1 = 0.0330868      K0 = 14.6116  
 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     | 10.99  | 373.8     | 0.75  | 20      | 25.16     |      |      |
| 3     | 44.37  | 1523      | 3     | 20      | 25.16     |      |      |
| 4     | 90.91  | 3108      | 6     | 20      | 25.16     |      |      |
| 5     | 239.5  | 8090      | 15    | 20      | 25.16     |      |      |
| 6     | 516.9  | 1.733e+04 | 30    | 20      | 25.16     |      |      |
| 7     | 677.5  | 2.269e+04 | 37.5  | 20      | 25.16     |      |      |

Report date: 7/6/2017 12:43:18 PM  
Printed by: wet

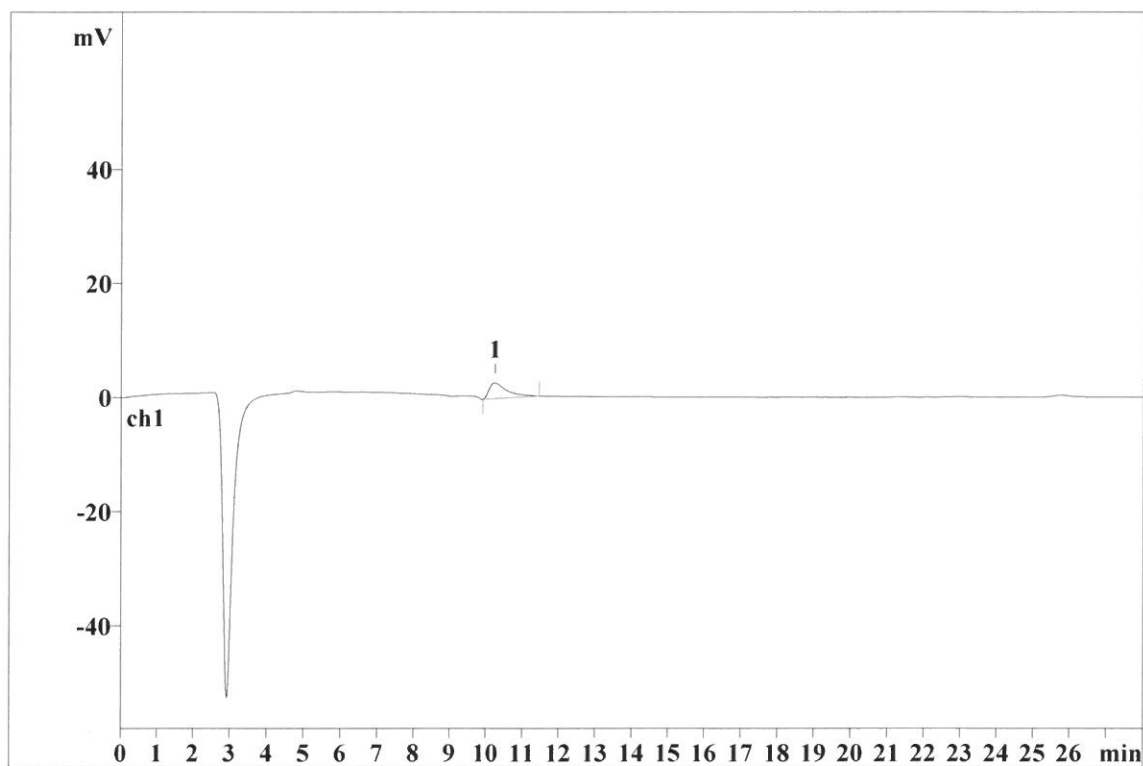
Ident: STD1  
Analysis from: 6/8/2017 10:57:23 AM  
File: \_2017-06-08\_

Last save: 6/8/2017 11:25:23 AM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14599

Last save: 6/8/2017 9:52:06

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  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 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  | 28.00            | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |

Report date: 7/6/2017 12:43:23 PM  
Printed by: wet

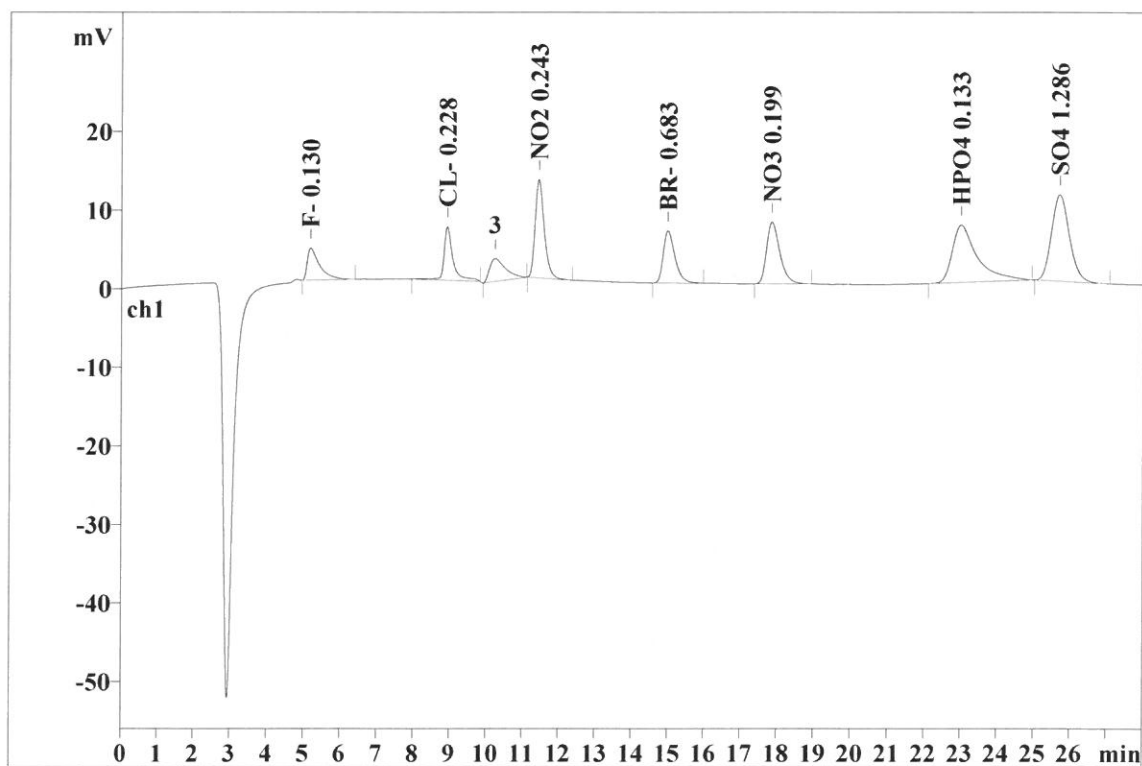
Ident: STD2  
Analysis from: 6/8/2017 11:28:21 AM  
File: \_2017-06-08\_

Last save: 6/8/2017 11:56:22 AM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14600

Last save: 6/8/2017 11:25:2

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  | 5.19             | 0.329          | 4.10         | 6.92        | 96.767         | 6.09      |
| 2  | 8.93             | 0.219          | 6.82         | 11.52       | 117.954        | 7.42      |
| 3  | 11.44            | 0.259          | 12.54        | 21.20       | 217.331        | 13.67     |
| 4  | 15.00            | 0.331          | 6.63         | 11.21       | 147.281        | 9.27      |
| 5  | 17.86            | 0.379          | 7.87         | 13.30       | 198.061        | 12.46     |
| 6  | 23.01            | 0.655          | 7.30         | 12.33       | 349.769        | 22.01     |
| 7  | 25.71            | 0.522          | 10.99        | 18.58       | 373.758        | 23.52     |
| 7  | 28.00            | 0.385          | 56.24        | 95.07       | 1500.921       | 94.43     |

Report date: 7/6/2017 12:43:28 PM  
Printed by: wet

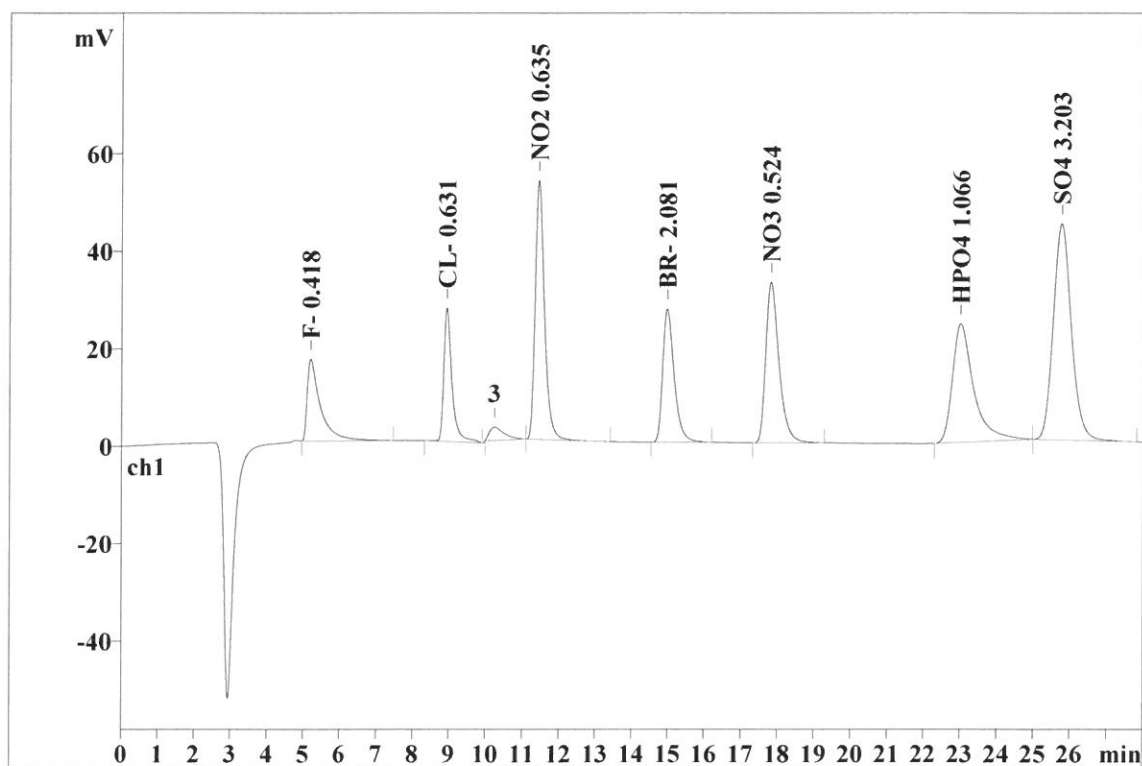
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Analysis from: 6/8/2017 11:59:20 AM  
File: \_2017-06-08\_

Last save: 6/8/2017 12:27:20 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14601

Last save: 6/8/2017 11:56:2

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  | 5.20             | 0.331          | 16.82        | 7.34        | 425.752        | 7.34      |
| 2  | 8.93             | 0.216          | 27.41        | 11.96       | 425.974        | 7.35      |
| 3  | 11.45            | 0.258          | 53.22        | 23.21       | 927.995        | 16.00     |
| 4  | 14.98            | 0.326          | 27.36        | 11.93       | 600.739        | 10.36     |
| 5  | 17.82            | 0.377          | 33.01        | 14.40       | 832.606        | 14.36     |
| 6  | 23.01            | 0.569          | 24.34        | 10.61       | 986.036        | 17.00     |
| 7  | 25.76            | 0.521          | 44.36        | 19.35       | 1523.030       | 26.26     |
| 7  | 28.00            | 0.371          | 226.53       | 98.80       | 5722.132       | 98.67     |

Report date: 7/6/2017 12:43:31 PM  
Printed by: wet

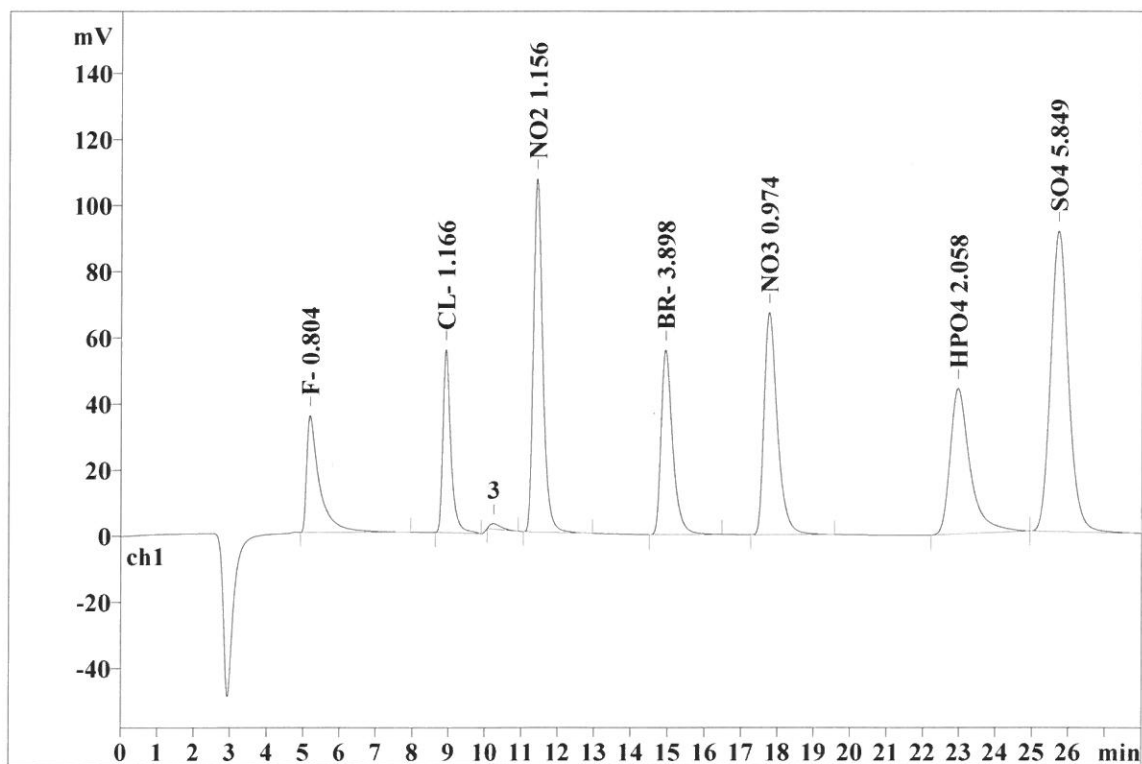
Ident: STD4  
Analysis from: 6/8/2017 12:30:17 PM  
File: \_2017-06-08\_

Last save: 6/8/2017 12:58:17 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14602

Last save: 6/8/2017 12:27:2

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  | 5.18             | 0.315          | 35.31        | 7.72        | 865.949        | 7.64      |
| 2  | 8.92             | 0.215          | 55.39        | 12.11       | 836.632        | 7.38      |
| 3  | 11.44            | 0.259          | 106.90       | 23.38       | 1872.101       | 16.51     |
| 4  | 14.94            | 0.325          | 55.90        | 12.22       | 1227.245       | 10.82     |
| 5  | 17.76            | 0.377          | 67.19        | 14.69       | 1705.574       | 15.04     |
| 6  | 22.97            | 0.544          | 44.04        | 9.63        | 1686.529       | 14.88     |
| 7  | 25.73            | 0.517          | 90.90        | 19.88       | 3108.135       | 27.42     |
| 7  | 28.00            | 0.364          | 455.64       | 99.64       | 11302.165      | 99.69     |

Report date: 7/6/2017 12:43:39 PM  
Printed by: wet

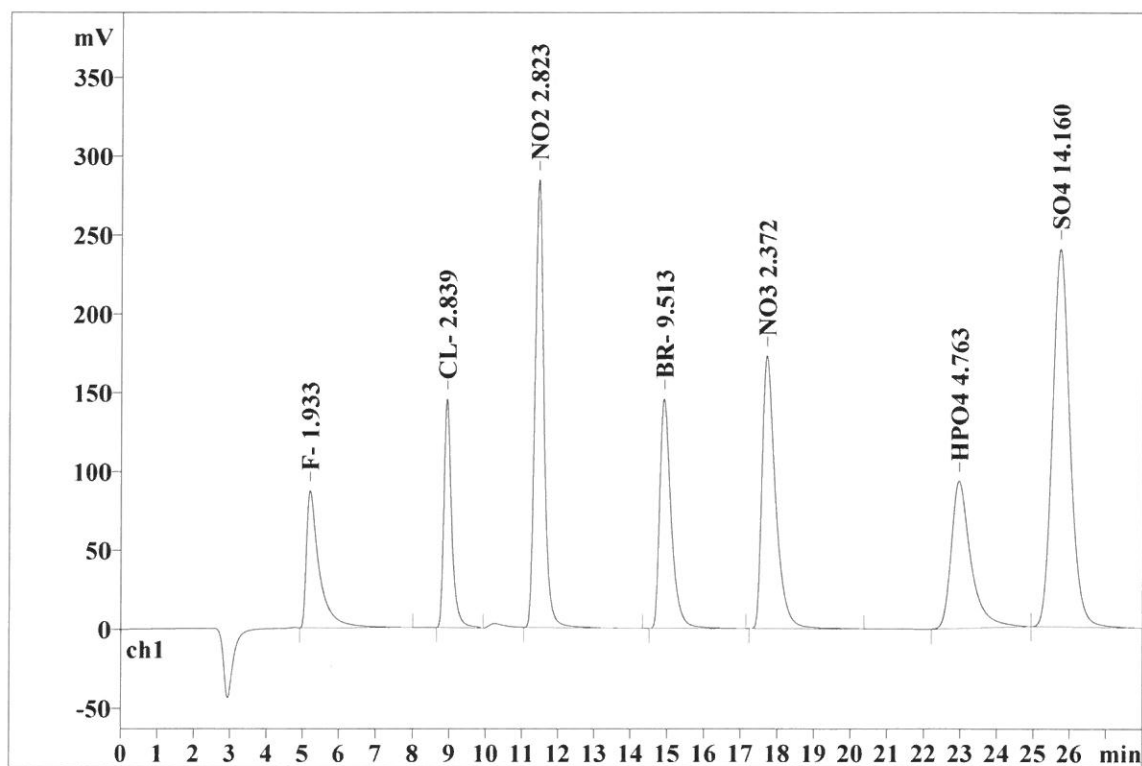
Ident: STD5  
Analysis from: 6/8/2017 1:01:16 PM  
File: \_2017-06-08\_

Last save: 6/8/2017 1:29:16 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14603

Last save: 6/8/2017 12:58:1

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  | 5.20             | 0.328          | 86.95        | 7.45        | 2163.327       | 7.62      |
| 2  | 8.92             | 0.210          | 145.16       | 12.44       | 2126.831       | 7.49      |
| 3  | 11.45            | 0.253          | 283.86       | 24.32       | 4883.553       | 17.20     |
| 4  | 14.91            | 0.320          | 145.56       | 12.47       | 3171.707       | 11.17     |
| 5  | 17.71            | 0.377          | 172.92       | 14.81       | 4432.055       | 15.61     |
| 6  | 22.96            | 0.540          | 93.31        | 7.99        | 3518.225       | 12.39     |
| 7  | 25.73            | 0.510          | 239.54       | 20.52       | 8090.250       | 28.50     |
| 7  | 28.00            | 0.362          | 1167.31      | 100.00      | 28385.948      | 100.00    |

Report date: 7/6/2017 12:43:44 PM  
Printed by: wet

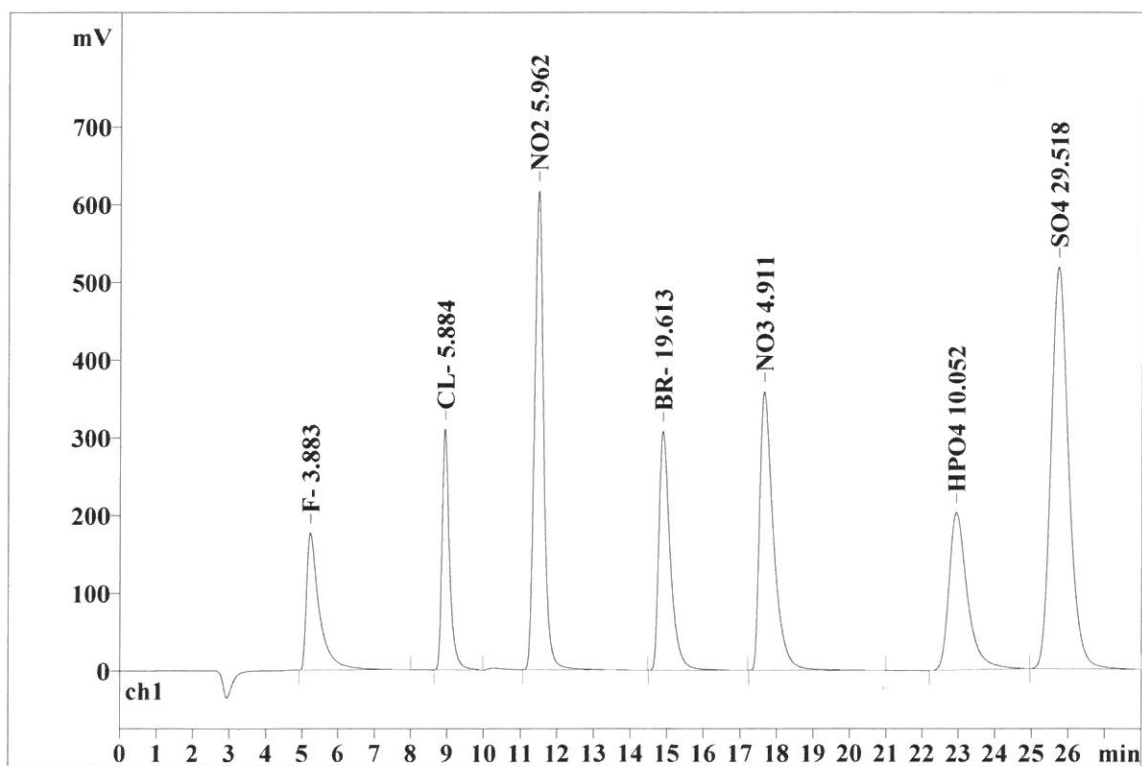
Ident: STD6  
Analysis from: 6/8/2017 1:32:13 PM  
File: \_2017-06-08\_

Last save: 6/8/2017 2:00:13 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14604

Last save: 6/8/2017 1:29:16

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             | 0.334          | 176.61       | 7.10        | 4409.863       | 7.34      |
| 2  | 8.94             | 0.206          | 310.16       | 12.46       | 4470.930       | 7.44      |
| 3  | 11.48            | 0.253          | 616.27       | 24.76       | 10599.485      | 17.65     |
| 4  | 14.89            | 0.317          | 307.53       | 12.35       | 6663.394       | 11.09     |
| 5  | 17.65            | 0.382          | 358.67       | 14.41       | 9382.927       | 15.62     |
| 6  | 22.94            | 0.515          | 202.97       | 8.15        | 7212.897       | 12.01     |
| 7  | 25.73            | 0.504          | 516.88       | 20.77       | 17327.478      | 28.85     |
| 7  | 28.00            | 0.359          | 2489.11      | 100.00      | 60066.973      | 100.00    |

Report date: 7/6/2017 12:43:50 PM  
Printed by: wet

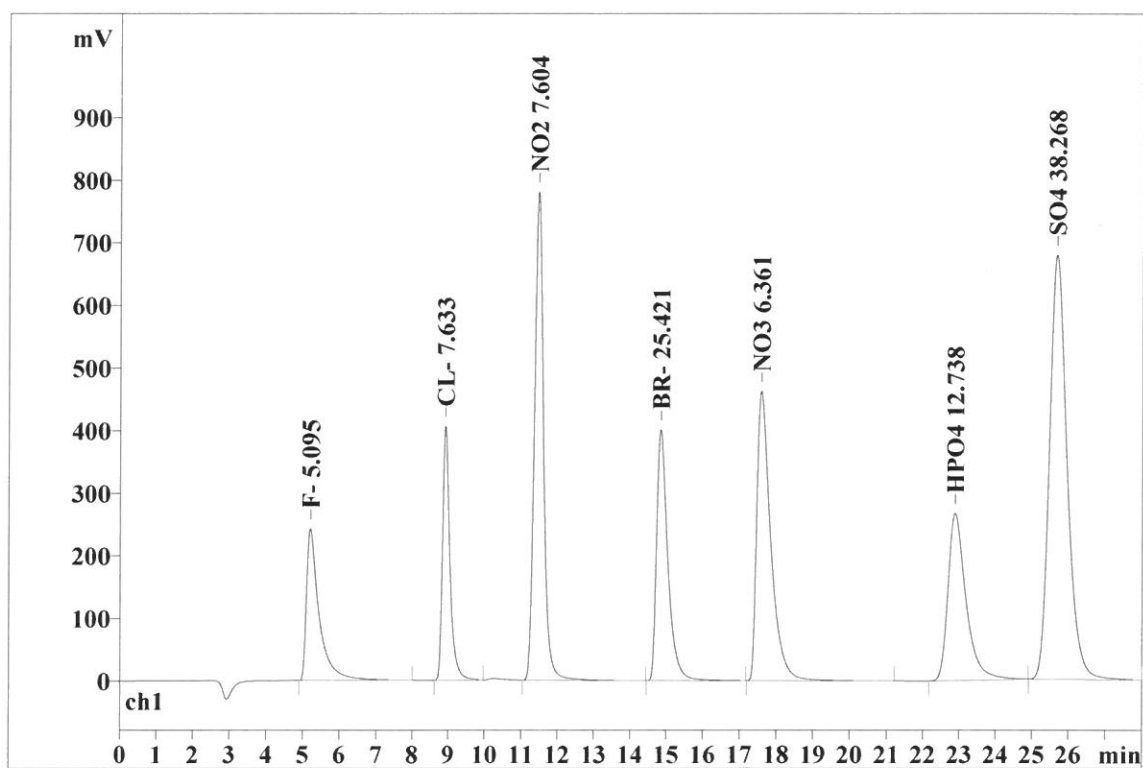
Ident: STD7  
Analysis from: 6/8/2017 2:03:11 PM  
File: \_2017-06-08\_

Last save: 6/8/2017 2:31:11 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14605

Last save: 6/8/2017 2:00:13

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             | 0.314          | 242.20       | 7.49        | 5777.014       | 7.40      |
| 2  | 8.92             | 0.204          | 405.89       | 12.55       | 5810.666       | 7.44      |
| 3  | 11.48            | 0.258          | 779.65       | 24.10       | 13618.960      | 17.44     |
| 4  | 14.85            | 0.315          | 400.64       | 12.38       | 8655.809       | 11.08     |
| 5  | 17.59            | 0.385          | 462.09       | 14.28       | 12214.587      | 15.64     |
| 6  | 22.88            | 0.508          | 266.94       | 8.25        | 9324.856       | 11.94     |
| 7  | 25.68            | 0.503          | 677.53       | 20.94       | 22690.021      | 29.06     |
| 7  | 28.00            | 0.355          | 3234.96      | 100.00      | 78091.913      | 100.00    |

Report date: 7/6/2017 12:43:58 PM  
Printed by: wet

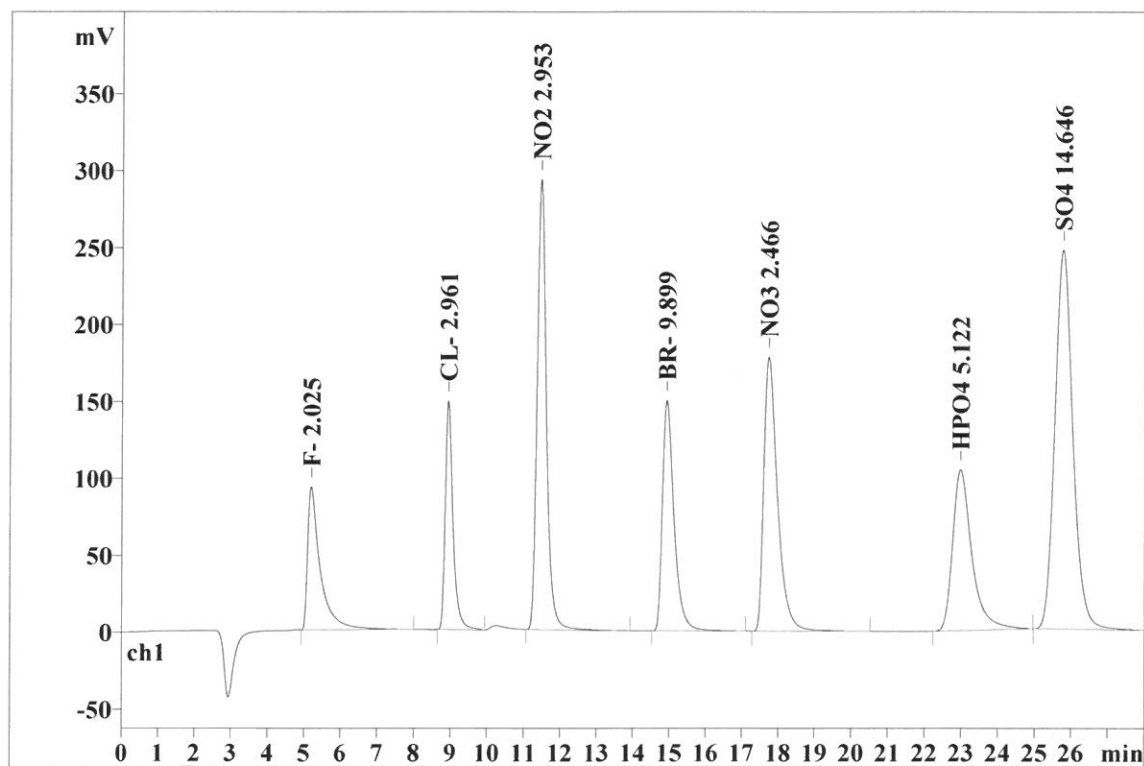
Ident: ICV  
Analysis from: 6/8/2017 3:47:12 PM  
File: \_2017-06-08\_

Last save: 6/8/2017 4:15:12 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14608

Last save: 6/8/2017 2:31:11

SAMPLE:  
: AK/AP  
Vial number: 11  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.19             | 0.315          | 93.07        | 7.67        | 2261.540       | 7.60      |
| 2  | 8.94             | 0.212          | 148.90       | 12.26       | 2209.978       | 7.43      |
| 3  | 11.47            | 0.258          | 292.89       | 24.13       | 5131.328       | 17.25     |
| 4  | 14.93            | 0.322          | 149.89       | 12.35       | 3289.743       | 11.06     |
| 5  | 17.73            | 0.380          | 178.21       | 14.68       | 4606.693       | 15.48     |
| 6  | 22.98            | 0.529          | 104.59       | 8.61        | 3844.163       | 12.92     |
| 7  | 25.76            | 0.514          | 246.47       | 20.30       | 8411.568       | 28.27     |
| 7  | 28.00            | 0.361          | 1214.03      | 100.00      | 29755.013      | 100.00    |

Report date: 7/6/2017 12:44:03 PM  
Printed by: wet

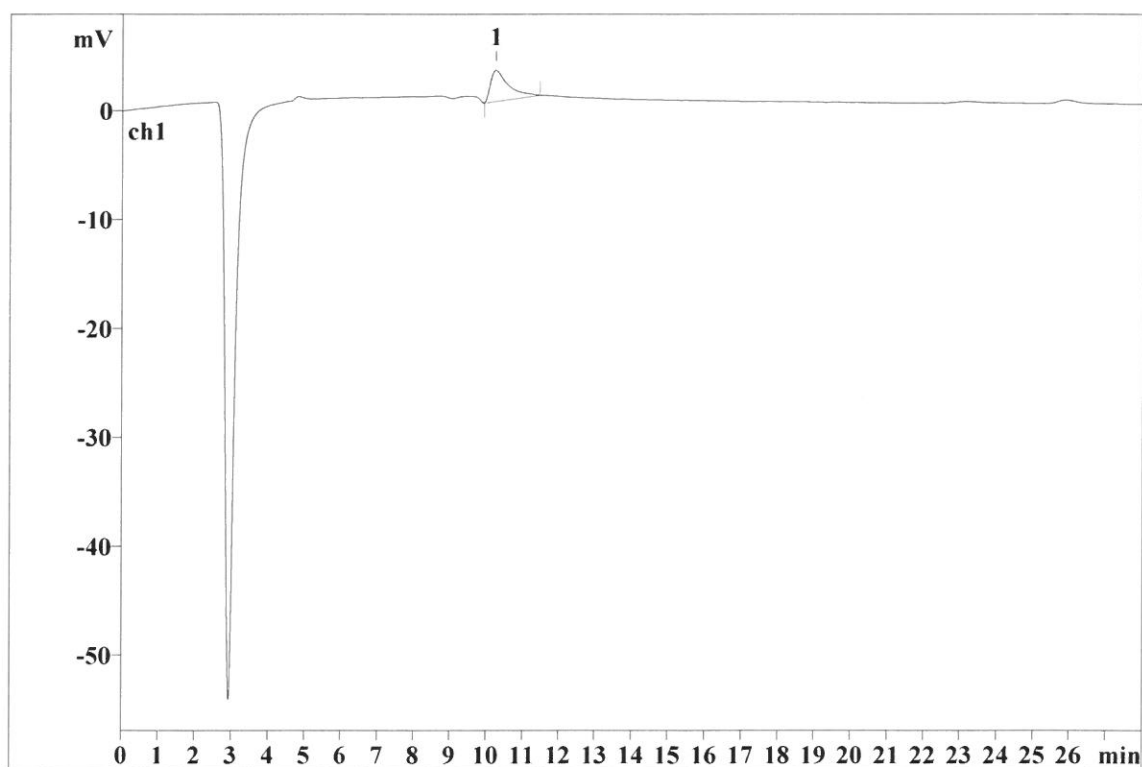
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Analysis from: 6/8/2017 5:26:51 PM  
File: \_2017-06-08\_

Last save: 6/8/2017 5:54:51 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14611

Last save: 6/8/2017 2:31:11

SAMPLE:  
: AK/AP  
Vial number: 12  
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  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 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  | 28.00            | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |

Report date: 7/6/2017 1:05:24 PM  
Printed by: wet

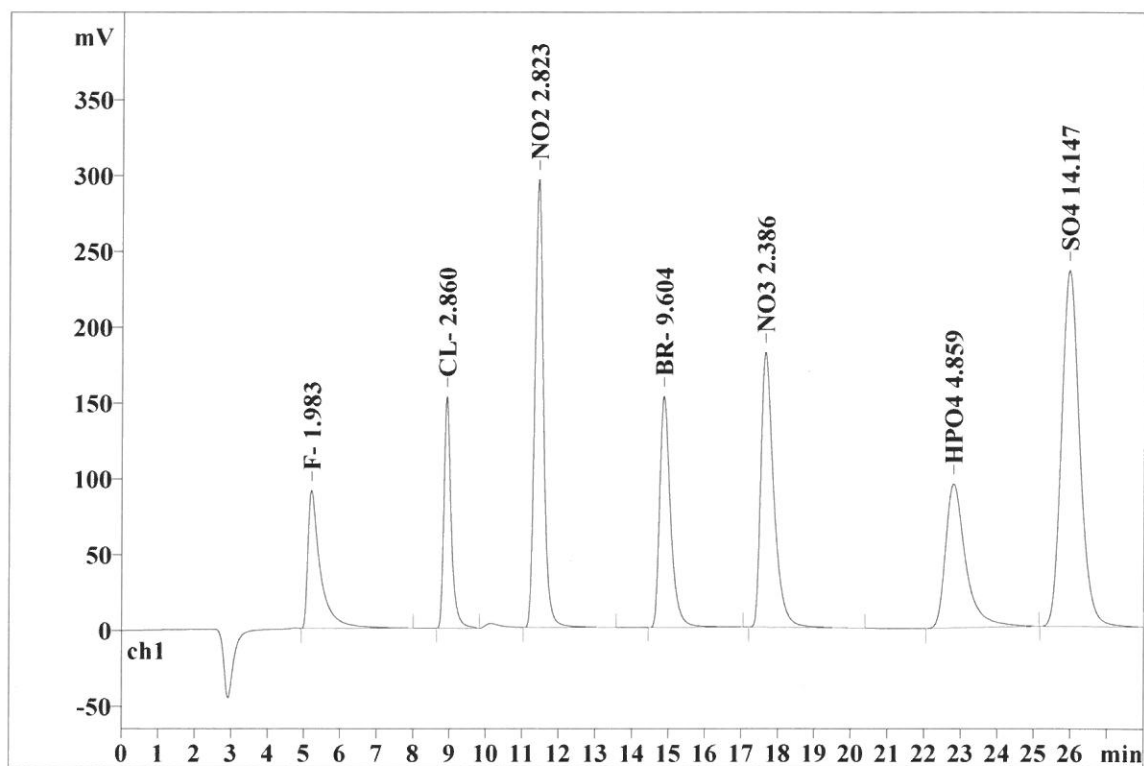
Ident: CCV  
Analysis from: 6/30/2017 12:02:17 PM  
File: \_2017-06-30\_

Last save: 6/30/2017 12:30:17 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14645

Last save: 6/8/2017 2:31:11

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             | 0.318          | 91.09        | 7.57        | 2212.915       | 7.73      |
| 2  | 8.92             | 0.200          | 152.87       | 12.71       | 2132.670       | 7.45      |
| 3  | 11.44            | 0.244          | 295.52       | 24.56       | 4892.902       | 17.08     |
| 4  | 14.87            | 0.306          | 152.53       | 12.68       | 3187.820       | 11.13     |
| 5  | 17.65            | 0.361          | 181.31       | 15.07       | 4449.471       | 15.54     |
| 6  | 22.80            | 0.547          | 94.95        | 7.89        | 3654.932       | 12.76     |
| 7  | 25.96            | 0.522          | 234.90       | 19.52       | 8109.785       | 28.32     |
| 7  | 28.00            | 0.357          | 1203.16      | 100.00      | 28640.495      | 100.00    |

Report date: 7/6/2017 1:05:30 PM  
Printed by: wet

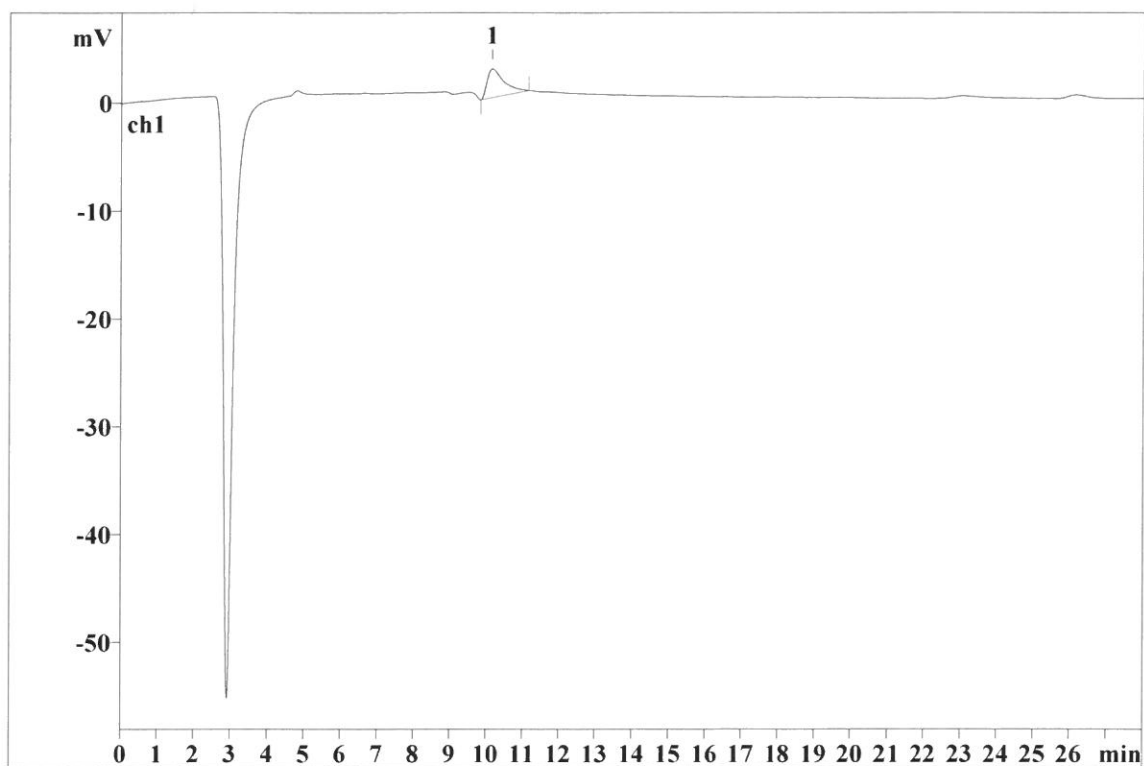
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File: \_2017-06-30\_

Last save: 6/30/2017 1:01:15 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14646

Last save: 6/8/2017 2:31:11

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  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 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  | 28.00            | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |

Report date: 7/6/2017 1:05:35 PM  
Printed by: wet

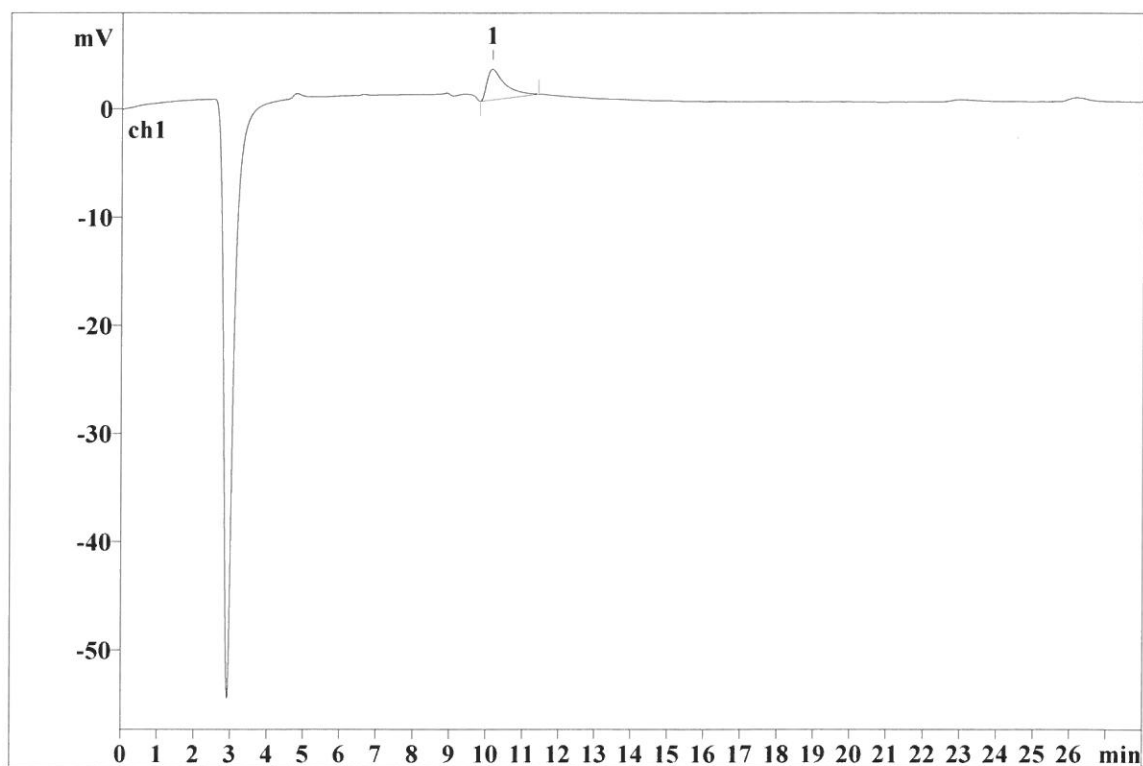
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Analysis from: 6/30/2017 1:04:13 PM  
File: \_2017-06-30\_

Last save: 7/6/2017 12:59:19 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14647

Last save: 6/8/2017 2:31:11

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  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 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  | 28.00            | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |

Report date: 7/6/2017 1:05:41 PM  
Printed by: wet

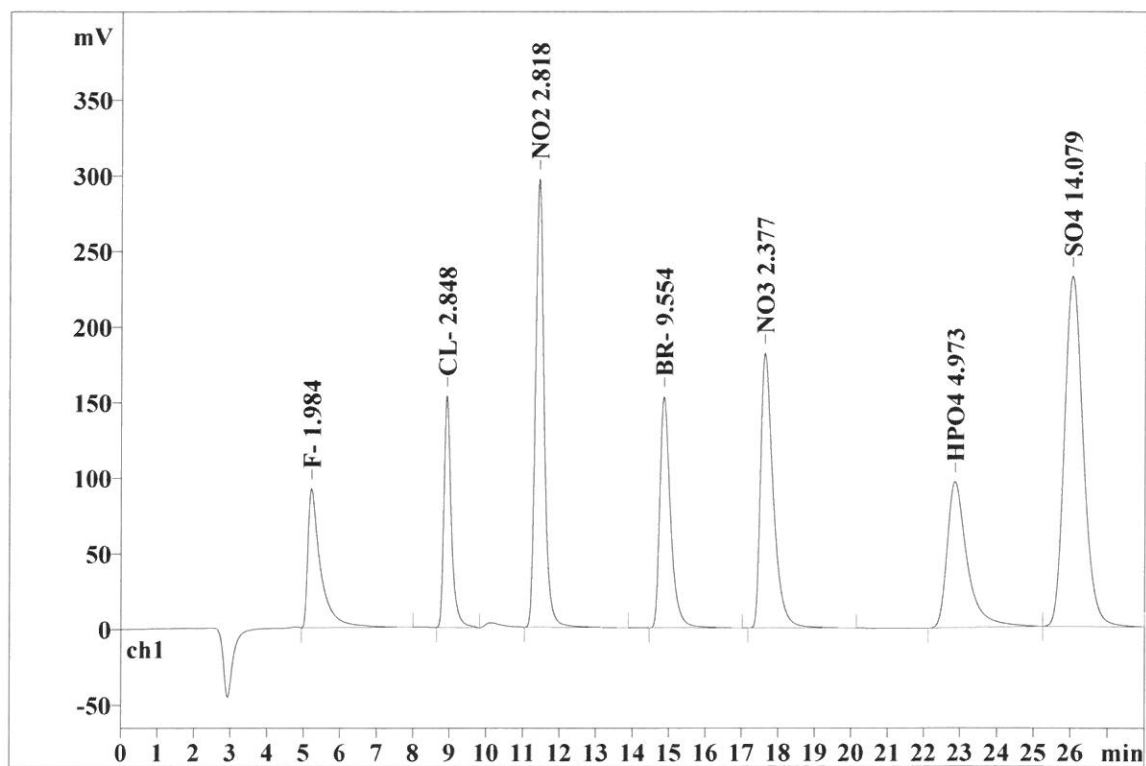
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Analysis from: 6/30/2017 1:35:11 PM  
File: \_2017-06-30\_

Last save: 7/6/2017 12:59:19 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14648

Last save: 6/8/2017 2:31:11

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  | 5.21             | 0.315          | 91.90        | 7.63        | 2213.955       | 7.73      |
| 2  | 8.92             | 0.198          | 153.38       | 12.73       | 2123.476       | 7.42      |
| 3  | 11.44            | 0.243          | 296.40       | 24.61       | 4884.173       | 17.06     |
| 4  | 14.86            | 0.304          | 152.97       | 12.70       | 3170.267       | 11.07     |
| 5  | 17.63            | 0.358          | 181.70       | 15.08       | 4432.044       | 15.48     |
| 6  | 22.86            | 0.550          | 96.63        | 8.02        | 3737.134       | 13.05     |
| 7  | 26.05            | 0.527          | 231.60       | 19.23       | 8068.895       | 28.18     |
| 7  | 28.00            | 0.356          | 1204.58      | 100.00      | 28629.944      | 100.00    |

Report date: 7/6/2017 1:08:16 PM  
Printed by: wet

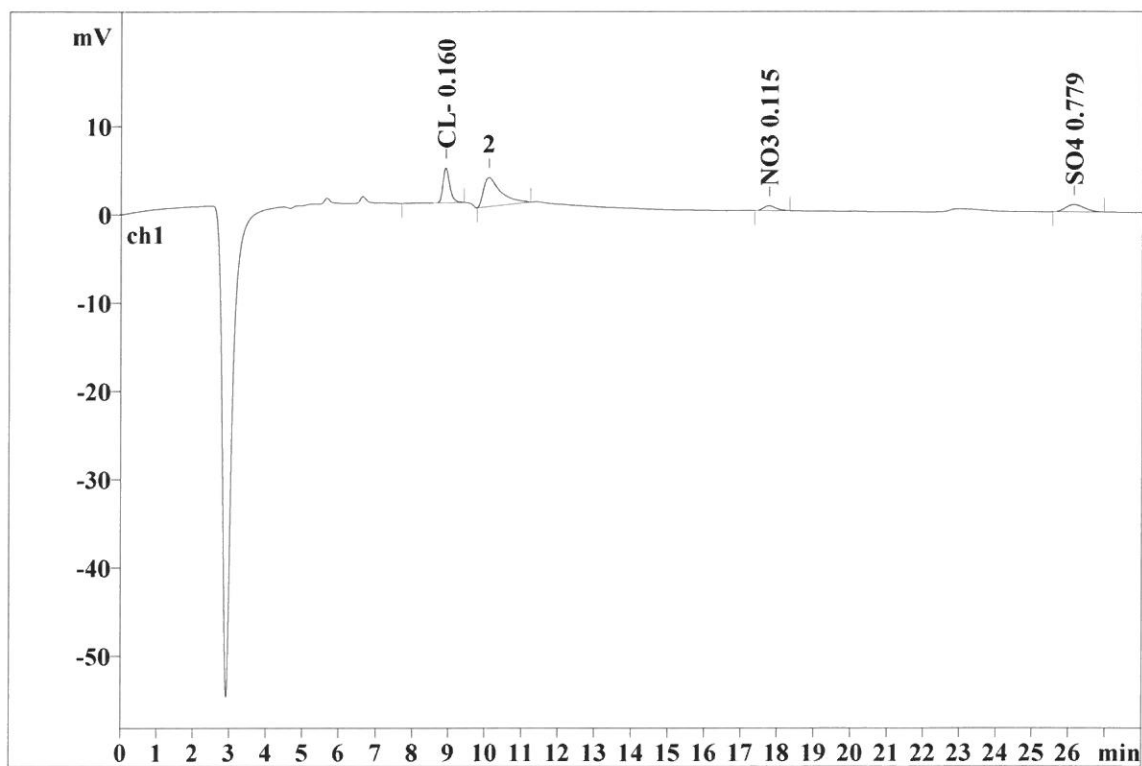
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Analysis from: 6/30/2017 2:51:41 PM  
File: \_2017-06-30\_

Last save: 7/6/2017 1:08:06 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14651

Last save: 6/8/2017 2:31:11

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  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 8.91             | 0.191          | 3.94         | 45.71       | 51.602         | 25.56     |
| 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  | 17.77            | 0.355          | 0.55         | 6.37        | 12.712         | 6.30      |
| 6  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 7  | 26.14            | 0.560          | 0.82         | 9.55        | 29.056         | 14.39     |
| 7  | 28.00            | 0.158          | 5.31         | 61.63       | 93.371         | 46.25     |

Report date: 7/6/2017 1:08:23 PM  
Printed by: wet

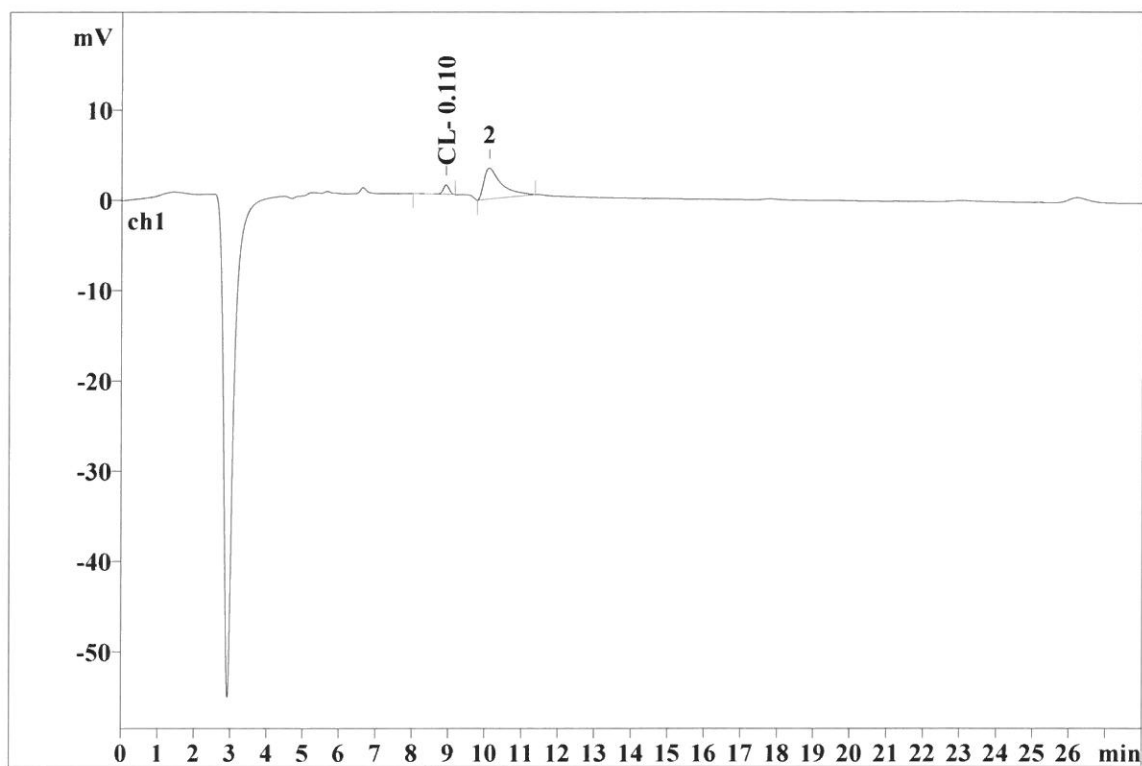
Ident: I4011-03  
Analysis from: 6/30/2017 3:22:39 PM  
File: \_2017-06-30\_

Last save: 7/6/2017 1:08:06 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14652

Last save: 6/8/2017 2:31:11

SAMPLE:  
:  
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  | 8.92             | 0.178          | 1.05         | 23.60       | 12.979         | 10.22     |
| 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  | 28.00            | 0.025          | 1.05         | 23.60       | 12.979         | 10.22     |

This report has been created by IC Net  
METROHM LTD

Report date: 7/6/2017 1:09:10 PM  
Printed by: wet

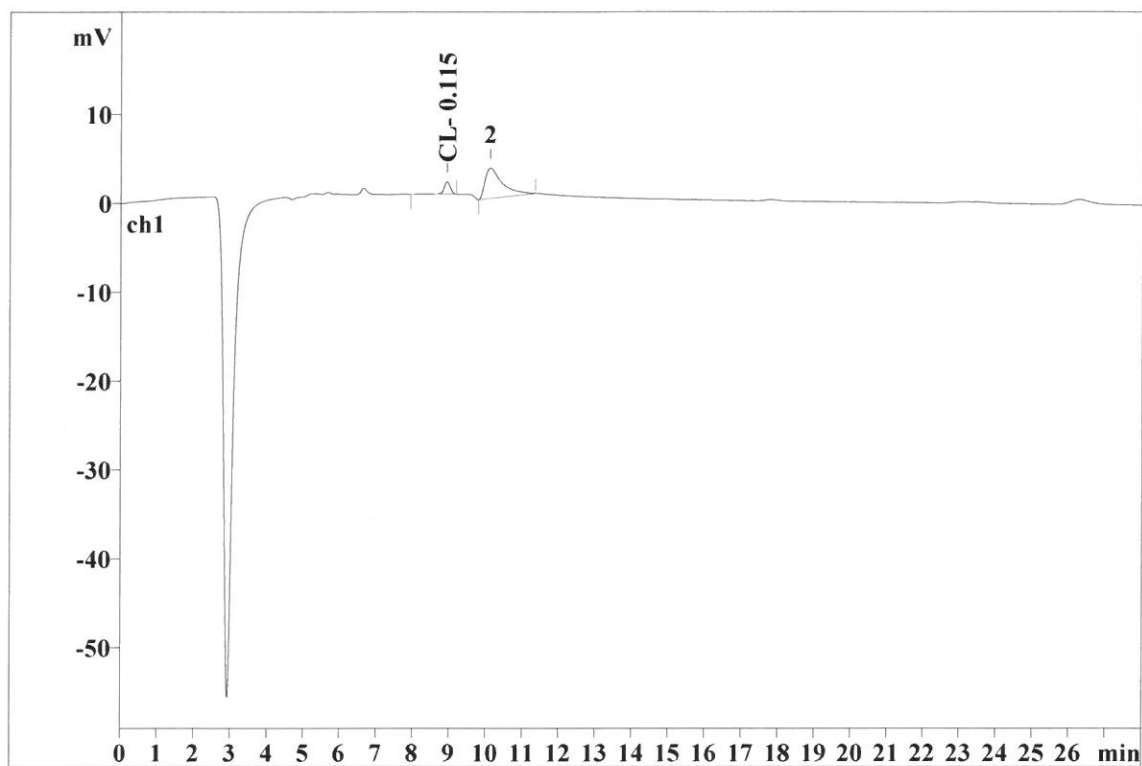
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Analysis from: 6/30/2017 3:53:36 PM  
File: \_2017-06-30\_

Last save: 7/6/2017 1:09:09 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14653

Last save: 6/8/2017 2:31:11

SAMPLE:  
: AK/AP  
Vial number: 11  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 8.93             | 0.181          | 1.38         | 28.73       | 17.007         | 13.05     |
| 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  | 28.00            | 0.026          | 1.38         | 28.73       | 17.007         | 13.05     |

Report date: 7/6/2017 1:09:17 PM  
Printed by: wet

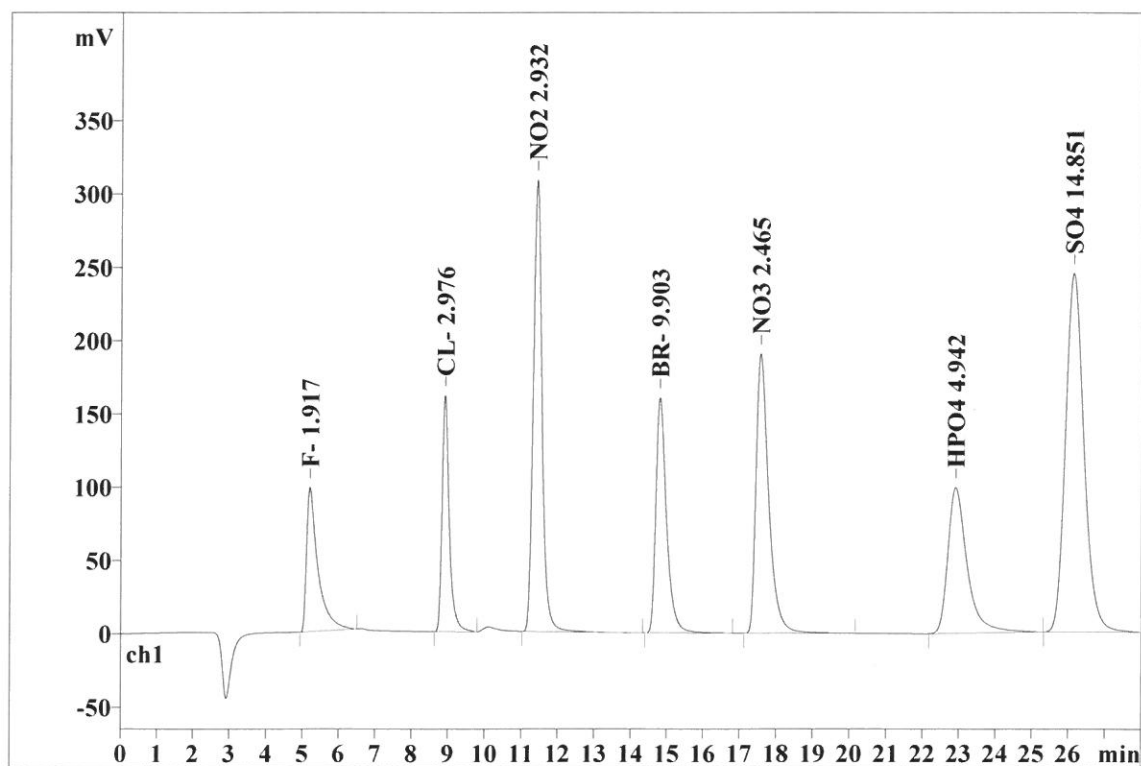
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Analysis from: 6/30/2017 4:24:34 PM  
File: \_2017-06-30\_

Last save: 6/30/2017 4:52:34 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14654

Last save: 6/8/2017 2:31:11

SAMPLE:  
: AK/AP  
Vial number: 12  
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  | 5.21             | 0.290          | 98.41        | 7.79        | 2137.887       | 7.22      |
| 2  | 8.91             | 0.197          | 161.17       | 12.76       | 2222.171       | 7.51      |
| 3  | 11.43            | 0.243          | 308.22       | 24.41       | 5091.636       | 17.20     |
| 4  | 14.81            | 0.301          | 160.56       | 12.71       | 3291.114       | 11.12     |
| 5  | 17.57            | 0.354          | 190.61       | 15.09       | 4604.631       | 15.56     |
| 6  | 22.91            | 0.536          | 99.35        | 7.87        | 3715.040       | 12.55     |
| 7  | 26.14            | 0.529          | 244.56       | 19.37       | 8535.663       | 28.84     |
| 7  | 28.00            | 0.350          | 1262.87      | 100.00      | 29598.140      | 100.00    |

Report date: 7/6/2017 1:09:46 PM  
Printed by: wet

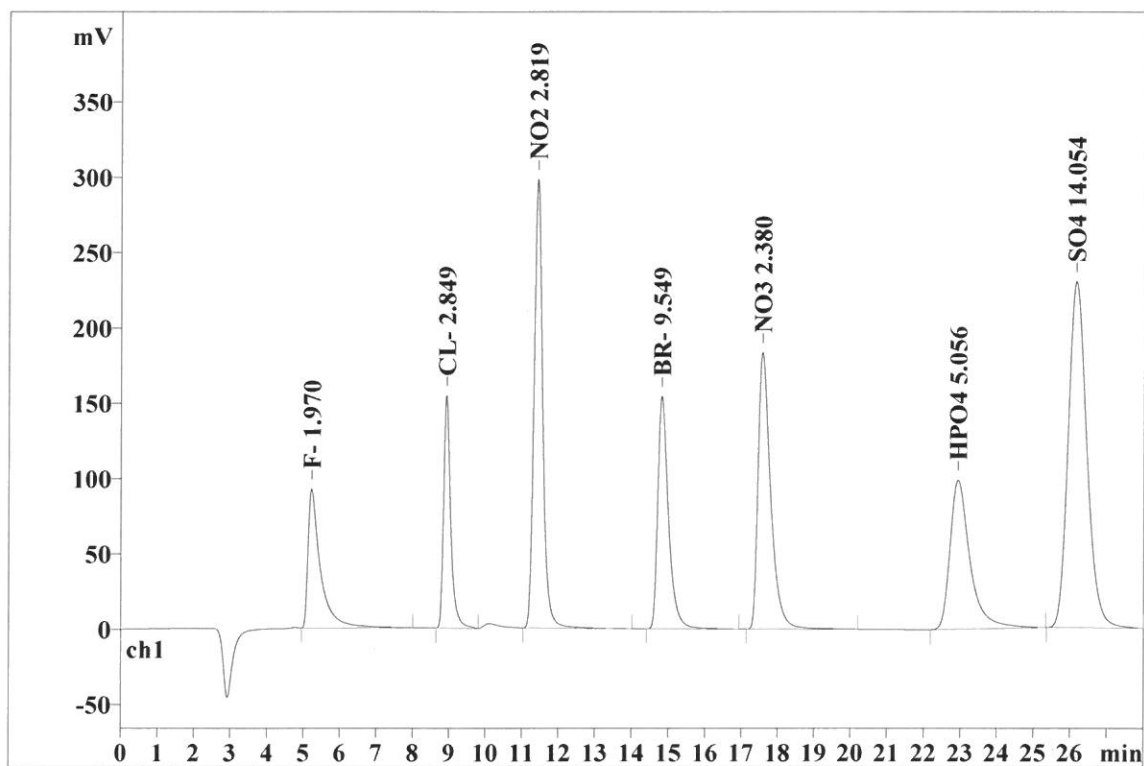
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File: \_2017-06-30\_

Last save: 6/30/2017 5:23:38 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14655

Last save: 6/8/2017 2:31:11

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  | 5.22             | 0.311          | 92.30        | 7.62        | 2198.593       | 7.67      |
| 2  | 8.92             | 0.197          | 154.39       | 12.74       | 2124.160       | 7.41      |
| 3  | 11.43            | 0.241          | 298.03       | 24.60       | 4885.352       | 17.04     |
| 4  | 14.82            | 0.301          | 154.34       | 12.74       | 3168.596       | 11.05     |
| 5  | 17.58            | 0.354          | 183.72       | 15.16       | 4437.665       | 15.48     |
| 6  | 22.94            | 0.547          | 98.96        | 8.17        | 3796.432       | 13.24     |
| 7  | 26.17            | 0.531          | 229.89       | 18.97       | 8053.591       | 28.10     |
| 7  | 28.00            | 0.355          | 1211.64      | 100.00      | 28664.389      | 100.00    |

Report date: 7/6/2017 1:09:53 PM  
Printed by: wet

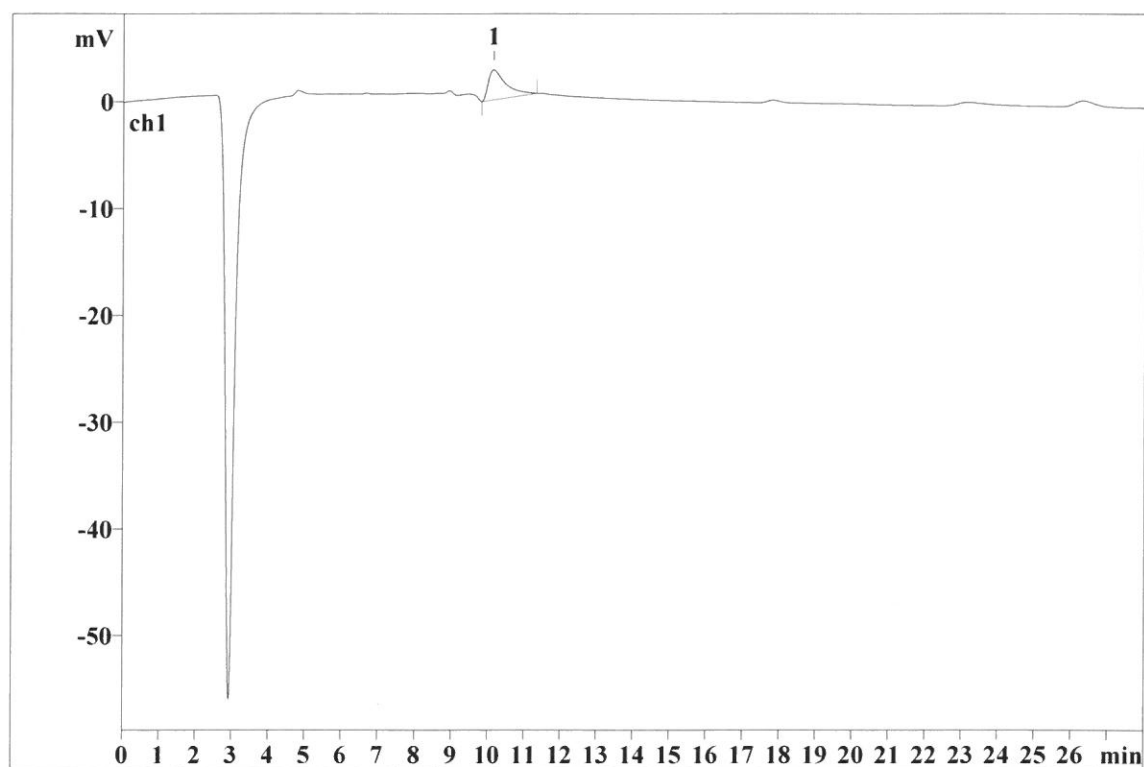
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File: \_2017-06-30\_

Last save: 6/30/2017 5:54:36 PM

Method: AnionIC2-060817.mtw  
Run operator: wet  
Analysis number: 14656

Last save: 6/8/2017 2:31:11

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 2  | 0.00             | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |
| 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  | 28.00            | 0.000          | 0.00         | 0.00        | 0.000          | 0.00      |