

Clear table

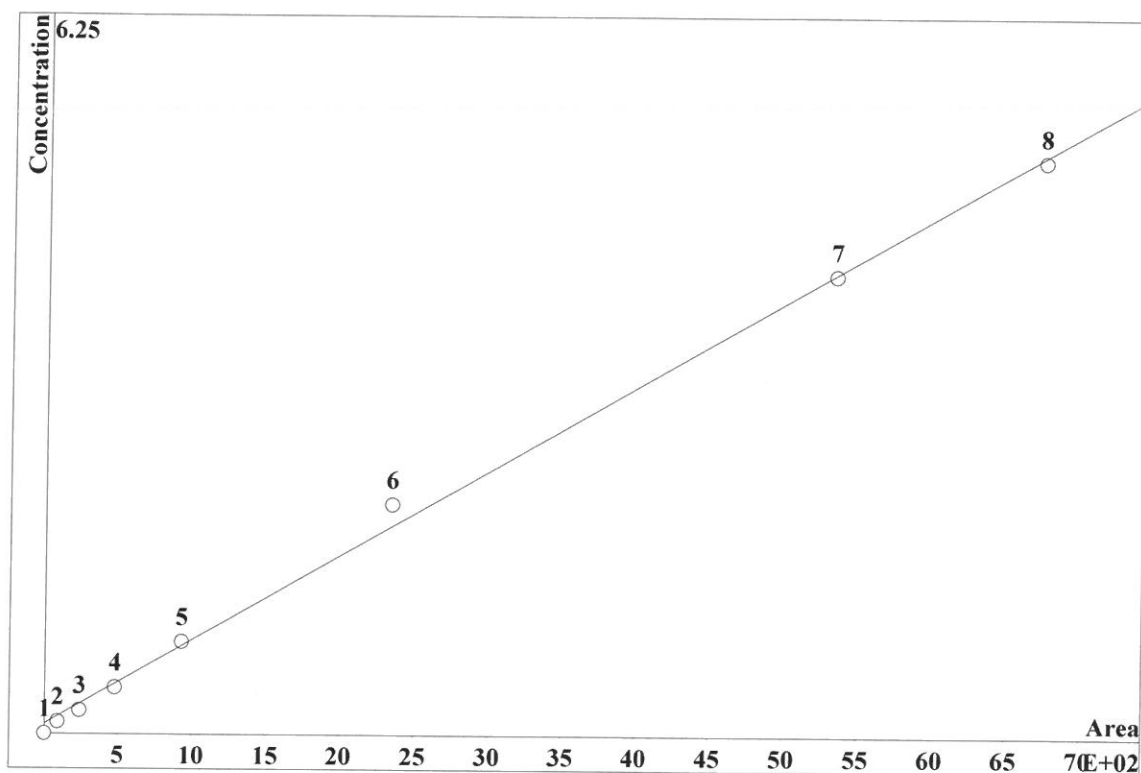
IC2- LOD/LOQ  
 9056 A water  
 04-05-19 Ak

| ident       | concentra<br>tion F- | concentra<br>on CL- | concentra<br>on NO2 | concentra<br>on BR- | concentra<br>on NO3 | concentra<br>on HPO4 | concentra<br>on SO4 | file name   | date time     | Initial wt/<br>Final Vol | Analyst |
|-------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------------|-------------|---------------|--------------------------|---------|
| STD1        | 0.0000               | 0.0000              | 0.0000              | 0.0000              | 0.0000              | 0.0000               | 0.0000              | 2019-03-20_ | 3/20/19 14:02 |                          | AK/AP   |
| STD2        | 0.1530               | 0.2350              | 0.2510              | 0.7870              | 0.1960              | -0.0660              | 1.1760              | 2019-03-20_ | 3/20/19 14:42 |                          | AK/AP   |
| STD3        | 0.2600               | 0.3660              | 0.3730              | 1.1920              | 0.2990              | 0.3940               | 1.7840              | 2019-03-20_ | 3/20/19 15:17 |                          | AK/AP   |
| STD4        | 0.4370               | 0.6350              | 0.6220              | 2.0830              | 0.5230              | 1.1750               | 3.0230              | 2019-03-20_ | 3/20/19 15:52 |                          | AK/AP   |
| STD5        | 0.7690               | 1.1620              | 1.1510              | 3.9120              | 0.9750              | 2.4930               | 5.6320              | 2019-03-20_ | 3/20/19 16:27 |                          | AK/AP   |
| STD6        | 1.8140               | 2.8020              | 2.7980              | 9.3550              | 2.3380              | 5.3510               | 13.7180             | 2019-03-20_ | 3/20/19 17:02 |                          | AK/AP   |
| STD7        | 4.0180               | 5.9150              | 5.9230              | 19.7540             | 4.9390              | 9.9590               | 29.5350             | 2019-03-20_ | 3/20/19 17:37 |                          | AK/AP   |
| STD8        | 5.0490               | 7.6360              | 7.6330              | 25.4180             | 6.3550              | 11.9610              | 38.3100             | 2019-03-20_ | 3/20/19 18:12 |                          | AK/AP   |
| ICV         | 1.9250               | 2.9850              | 2.9730              | 9.9050              | 2.4850              | 5.4710               | 14.5430             | 2019-03-20_ | 3/20/19 18:47 |                          | AK/AP   |
| ICB         | 0.0000               | 0.0000              | 0.0000              | 0.0000              | 0.0000              | 0.0000               | 0.0000              | 2019-03-20_ | 3/20/19 19:22 |                          | AK/AP   |
| CCV         | 1.8360               | 2.8160              | 2.8030              | 9.4200              | 2.3560              | 4.9770               | 13.7730             | 2019-03-21_ | 3/21/19 9:14  |                          | AK/AP   |
| CCB         | 0.0000               | 0.0000              | 0.0000              | 0.0000              | 0.0000              | 0.0000               | 0.0000              | 2019-03-21_ | 3/21/19 9:52  |                          | AK/AP   |
| LB101897BLW | 0.0000               | 0.0000              | 0.0000              | 0.0000              | 0.0000              | 0.0000               | 0.0000              | 2019-03-21_ | 3/21/19 12:32 |                          | AK/AP   |
| LB101897BSW | 1.8760               | 2.8630              | 2.8500              | 9.5600              | 2.3890              | 5.1560               | 14.0310             | 2019-03-21_ | 3/21/19 13:07 |                          | AK/AP   |
| K1560-07    | 0.1190               | 0.1740              | 0.1950              | 0.5790              | 0.1640              | -0.1960              | 0.8980              | 2019-03-21_ | 3/21/19 13:45 |                          | AK/AP   |
| K1560-07RE  | 0.1560               | 0.2450              | 0.2570              | 0.7940              | 0.2030              | 0.0140               | 1.2080              | 2019-03-21_ | 3/21/19 14:55 |                          | AK/AP   |
| K1560-08    | 0.2640               | 0.3790              | 0.3830              | 1.2200              | 0.3320              | 0.4230               | 1.8560              | 2019-03-21_ | 3/21/19 16:05 |                          | AK/AP   |
| CCV         | 1.9160               | 2.8660              | 2.8580              | 9.5800              | 2.3930              | 5.4150               | 14.0490             | 2019-03-21_ | 3/21/19 16:40 |                          | AK/AP   |
| CCB         | 0.0000               | 0.0000              | 0.0000              | 0.0000              | 0.0000              | 0.0000               | 0.0000              | 2019-03-21_ | 3/21/19 17:15 |                          | AK/AP   |

CALIBRATION OF COMPONENT F-

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.0147157 \cdot A + 1.70316$   
 RSD: 5.376 %  
 Correlation coefficient: 0.999020

IC2 Cal  
 3-20-19  
 JR

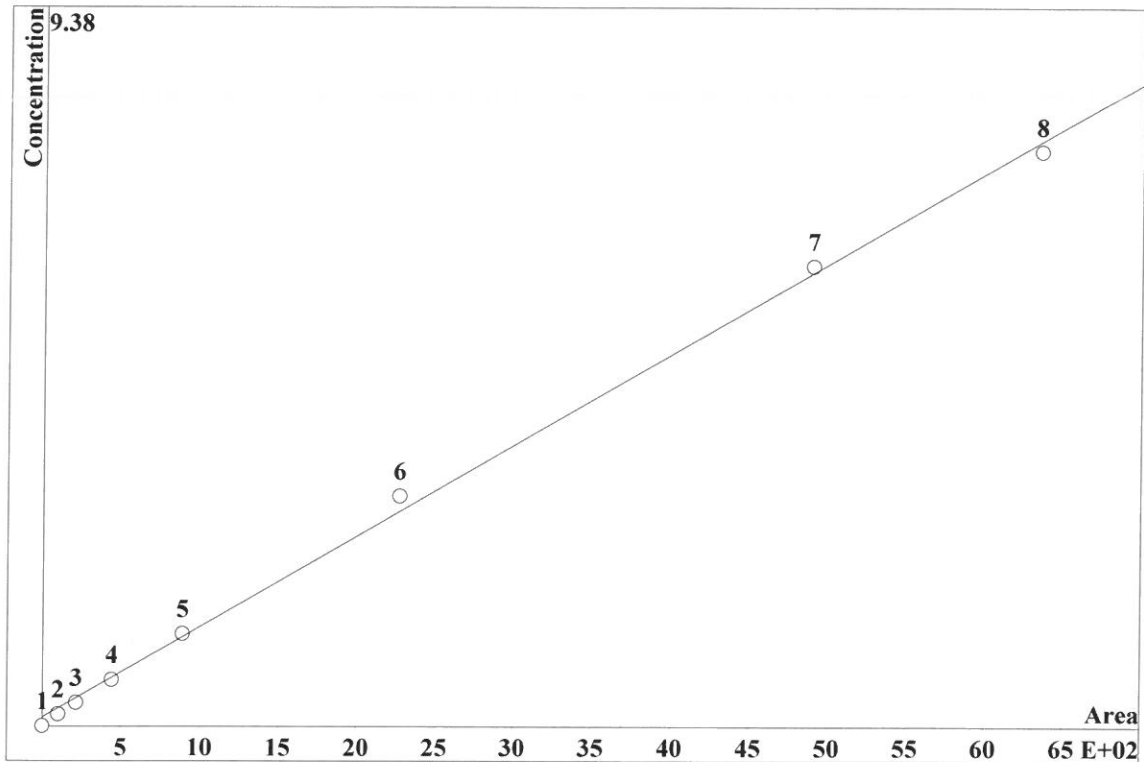


K3 = 0      K2 = 0      K1 = 0.0147157      K0 = 1.70316  
 Base: Area  
 Ref.channel: chl  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 7.157  | 91.87 | 0.1   | 20      | 5.835     |      |      |
| 3     | 15.61  | 237.7 | 0.2   | 20      | 5.835     |      |      |
| 4     | 34.99  | 478.4 | 0.4   | 20      | 5.835     |      |      |
| 5     | 73.78  | 928.8 | 0.8   | 20      | 5.835     |      |      |
| 6     | 197.6  | 2350  | 2     | 20      | 5.835     |      |      |
| 7     | 432    | 5345  | 4     | 20      | 5.835     |      |      |
| 8     | 555.7  | 6747  | 5     | 20      | 5.835     |      |      |

## CALIBRATION OF COMPONENT CL-

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.0236758 \cdot A + 2.2584$   
 RSD: 4.696 %  
 Correlation coefficient: 0.999252

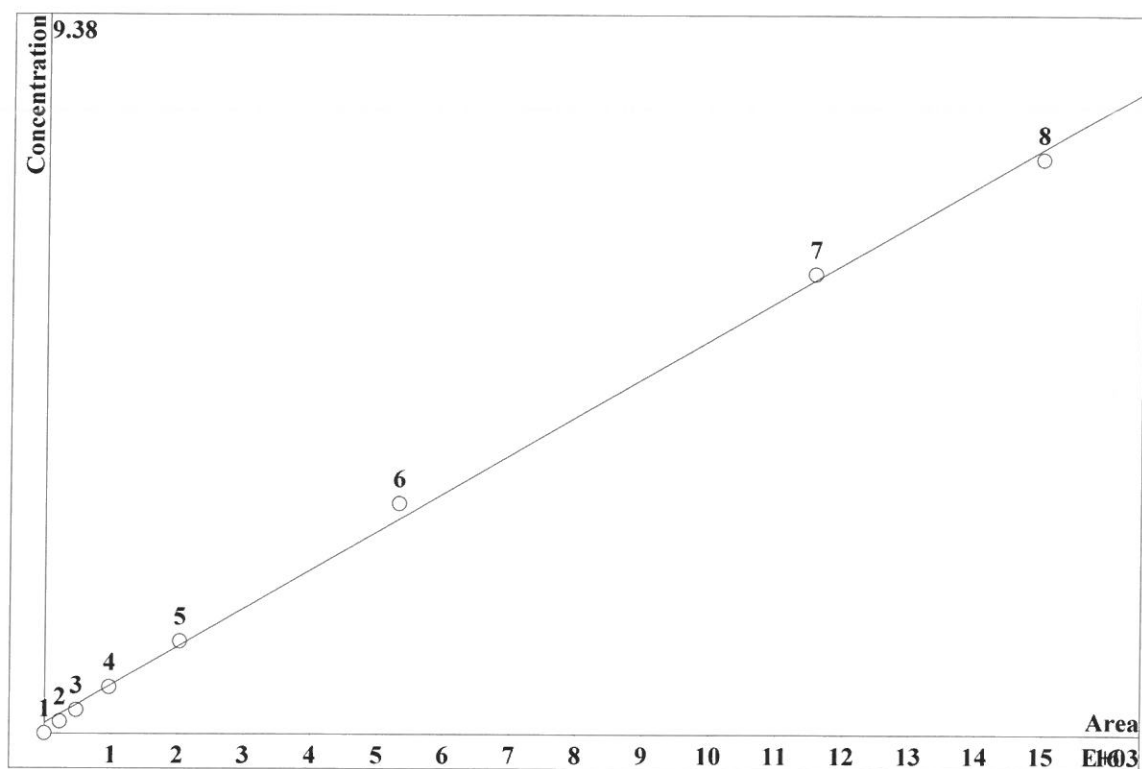


K3 = 0      K2 = 0      K1 = 0.0236758      K0 = 2.2584  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used File |
|-------|--------|-------|-------|---------|-----------|-----------|
| 1     | 0      | 0     | 0     | 0       | 0         | 0         |
| 2     | 7.901  | 103.1 | 0.15  | 20      | 9.982     |           |
| 3     | 16.11  | 213.5 | 0.3   | 20      | 9.982     |           |
| 4     | 32.85  | 440.7 | 0.6   | 20      | 9.982     |           |
| 5     | 66.45  | 886.6 | 1.2   | 20      | 9.982     |           |
| 6     | 173.1  | 2271  | 3     | 20      | 9.982     |           |
| 7     | 377.5  | 4901  | 6     | 20      | 9.982     |           |
| 8     | 498.8  | 6355  | 7.5   | 20      | 9.982     |           |

## CALIBRATION OF COMPONENT NO2

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.0100068 \cdot A + 2.70246$   
 RSD: 4.812 %  
 Correlation coefficient: 0.999215

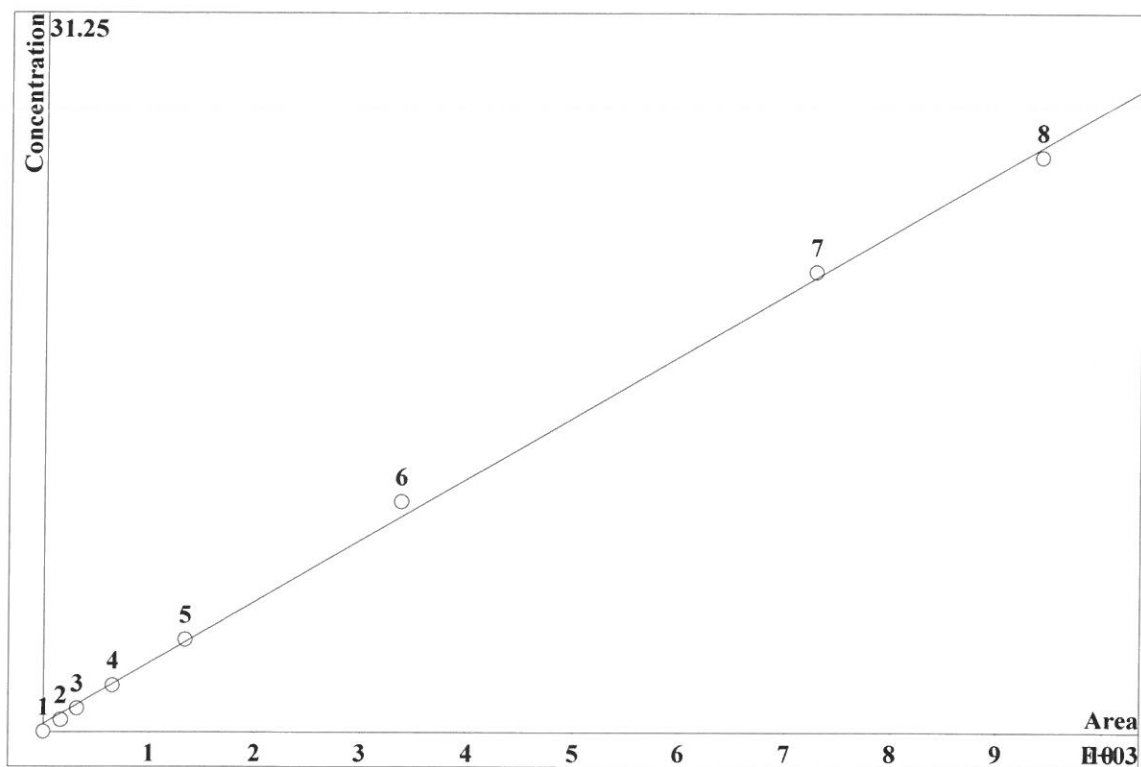


K3 = 0      K2 = 0      K1 = 0.0100068      K0 = 2.70246  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 16.12  | 231.4     | 0.15  | 20      | 12.74     |      |      |
| 3     | 32.8   | 475.9     | 0.3   | 20      | 12.74     |      |      |
| 4     | 67.22  | 972.8     | 0.6   | 20      | 12.74     |      |      |
| 5     | 140.5  | 2030      | 1.2   | 20      | 12.74     |      |      |
| 6     | 363.4  | 5321      | 3     | 20      | 12.74     |      |      |
| 7     | 780.9  | 1.157e+04 | 6     | 20      | 12.74     |      |      |
| 8     | 998.4  | 1.499e+04 | 7.5   | 20      | 12.74     |      |      |

## CALIBRATION OF COMPONENT BR-

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.0533027 \cdot A + 6.87876$   
 RSD: 4.439 %  
 Correlation coefficient: 0.999332

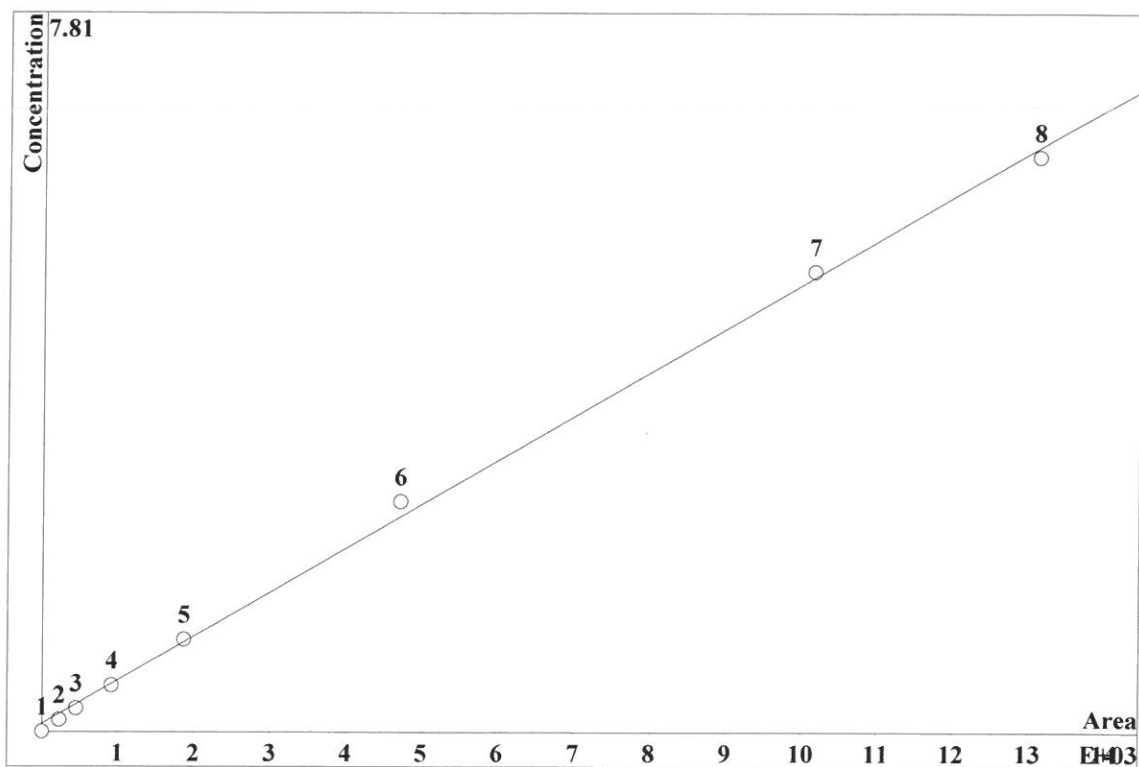


K3 = 0      K2 = 0      K1 = 0.0533027      K0 = 6.87876  
 Base: Area  
 Ref.channel: chl  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | 0    |
| 2     | 7.498  | 166.4 | 0.5   | 20      | 16.68     |      |      |
| 3     | 15.12  | 318.1 | 1     | 20      | 16.68     |      |      |
| 4     | 30.83  | 652.5 | 2     | 20      | 16.68     |      |      |
| 5     | 63.74  | 1339  | 4     | 20      | 16.68     |      |      |
| 6     | 163.3  | 3381  | 10    | 20      | 16.68     |      |      |
| 7     | 349.7  | 7283  | 20    | 20      | 16.68     |      |      |
| 8     | 454.2  | 9408  | 25    | 20      | 16.68     |      |      |

## CALIBRATION OF COMPONENT NO3

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.00955295 \cdot A + 1.68454$   
 RSD: 4.460 %  
 Correlation coefficient: 0.999326

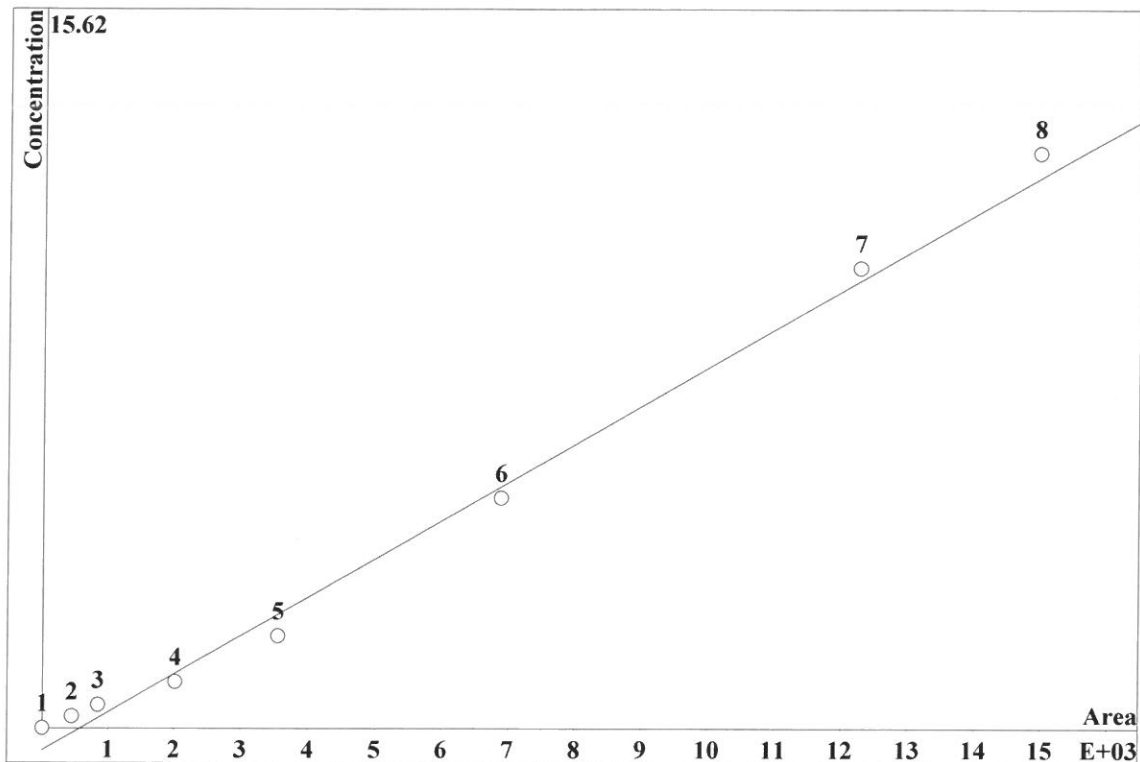


K3 = 0      K2 = 0      K1 = 0.00955295      K0 = 1.68454  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 9.052  | 234.9     | 0.125 | 20      | 19.93     |      |      |
| 3     | 17.76  | 449.3     | 0.25  | 20      | 19.93     |      |      |
| 4     | 35.66  | 919.1     | 0.5   | 20      | 19.93     |      |      |
| 5     | 72.59  | 1865      | 1     | 20      | 19.93     |      |      |
| 6     | 181.3  | 4718      | 2.5   | 20      | 19.93     |      |      |
| 7     | 374.4  | 1.016e+04 | 5     | 20      | 19.93     |      |      |
| 8     | 477.8  | 1.313e+04 | 6.25  | 20      | 19.93     |      |      |

## CALIBRATION OF COMPONENT HPO4

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.0166305 \cdot A - 9.63556$   
 RSD: 12.453 %  
 Correlation coefficient: 0.995768

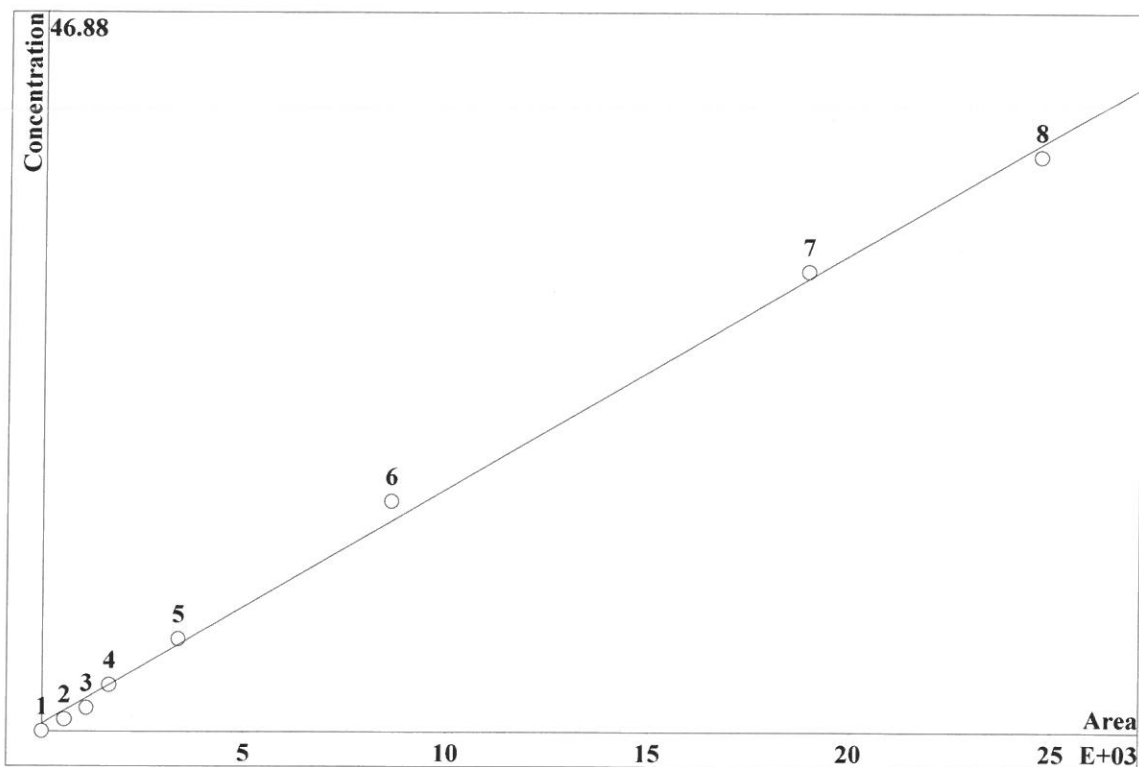


K3 = 0      K2 = 0      K1 = 0.0166305      K0 = -9.63556  
 Base: Area  
 Ref.channel: ch1  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area      | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-----------|-------|---------|-----------|------|------|
| 1     | 0      | 0         | 0     | 0       | 0         |      | 0    |
| 2     | 14.65  | 448       | 0.25  | 20      | 29.25     |      |      |
| 3     | 27.87  | 844.7     | 0.5   | 20      | 29.25     |      |      |
| 4     | 52.29  | 2014      | 1     | 20      | 26.39     |      |      |
| 5     | 94.74  | 3553      | 2     | 20      | 26.39     |      |      |
| 6     | 193.6  | 6891      | 5     | 20      | 26.39     |      |      |
| 7     | 356.4  | 1.227e+04 | 10    | 20      | 26.39     |      |      |
| 8     | 440.5  | 1.496e+04 | 12.5  | 20      | 26.39     |      |      |

## CALIBRATION OF COMPONENT SO4

Method: AnionsIC2-032019.mtw  
 Equation:  $Q = 0.0306619 \cdot A + 9.78925$   
 RSD: 6.227 %  
 Correlation coefficient: 0.998685



K3 = 0      K2 = 0      K1 = 0.0306619      K0 = 9.78925  
 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     | 14.08  | 564.5     | 0.75  | 20      |           |      | 26.42 |
| 3     | 27.94  | 1101      | 1.5   | 20      |           |      | 26.42 |
| 4     | 54.9   | 1653      | 3     | 20      |           |      | 29.25 |
| 5     | 112    | 3354      | 6     | 20      |           |      | 29.25 |
| 6     | 290.1  | 8628      | 15    | 20      |           |      | 29.25 |
| 7     | 637    | 1.895e+04 | 30    | 20      |           |      | 29.25 |
| 8     | 830.8  | 2.467e+04 | 37.5  | 20      |           |      | 29.25 |

Report date: 3/22/2019 2:10:29 PM  
Printed by: wet

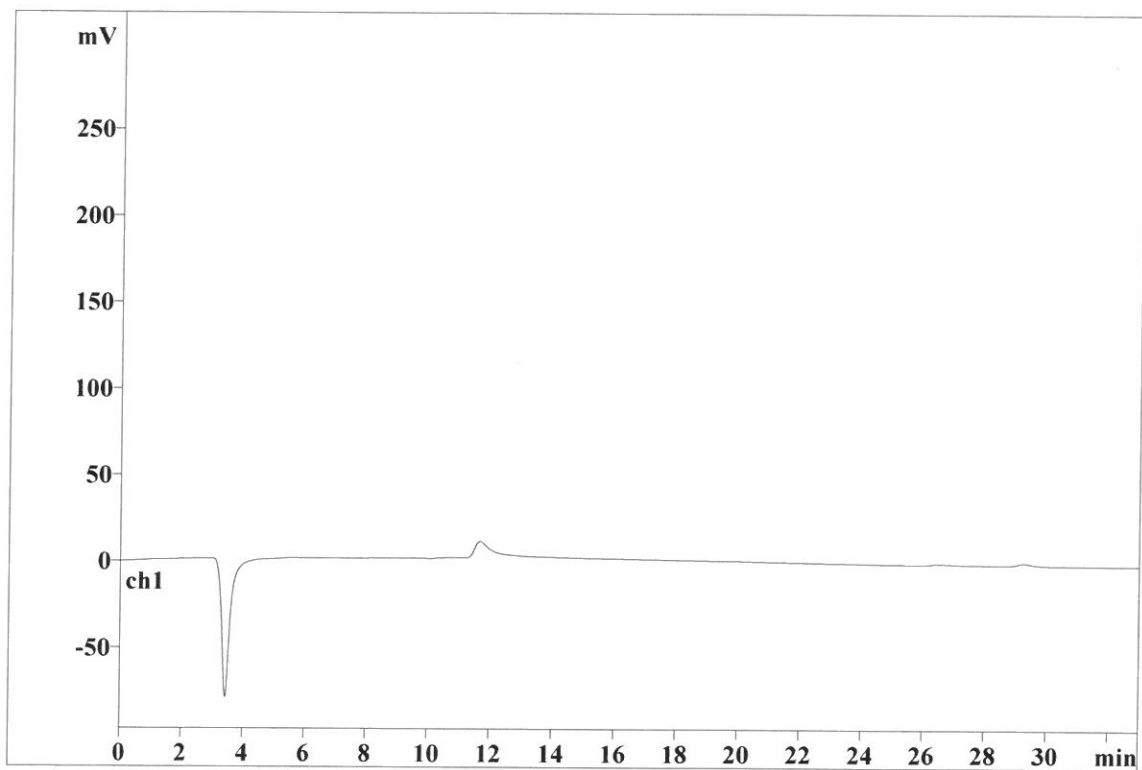
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Analysis from: 3/20/2019 2:02:38 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 8:33:43 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20679

Last save: 3/21/2019 8:30:

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
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Report date: 3/22/2019 2:10:35 PM  
Printed by: wet

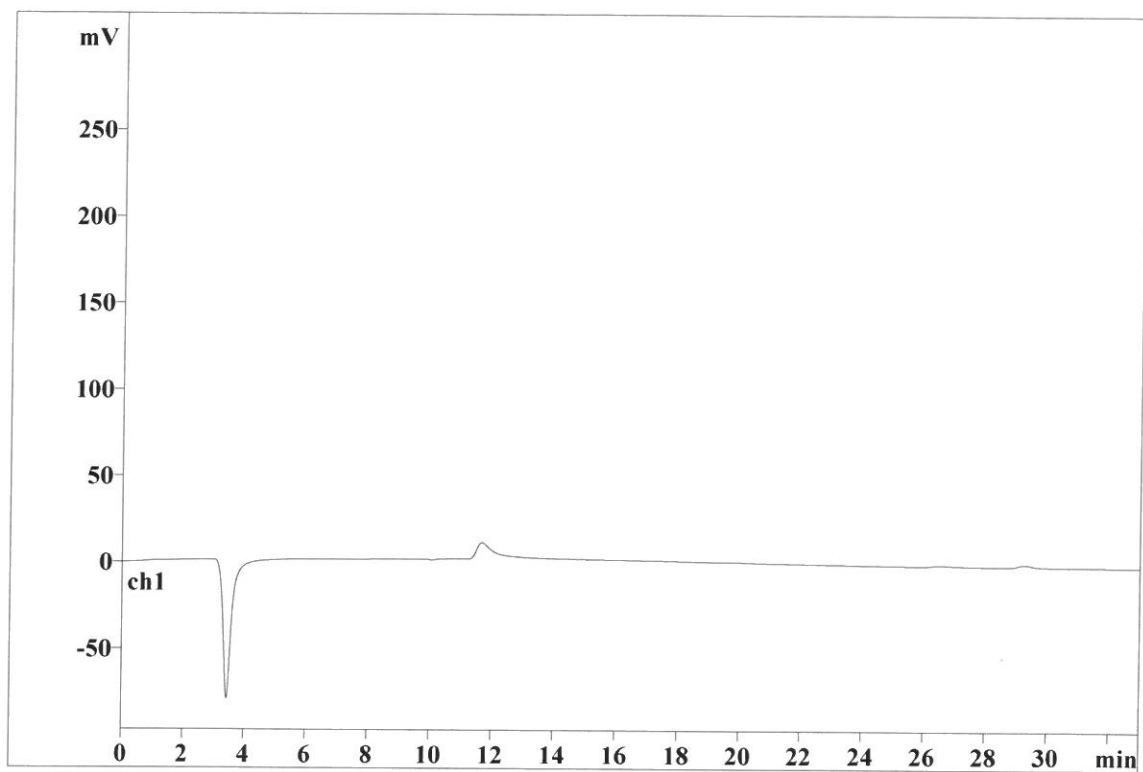
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File: \_2019-03-20\_

Last save: 3/22/2019 2:10:34 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20679

Last save: 3/21/2019 8:30:

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



Quantitation method: Custom

No peaks

This report has been created by IC Net  
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Report date: 3/22/2019 2:10:46 PM  
Printed by: wet

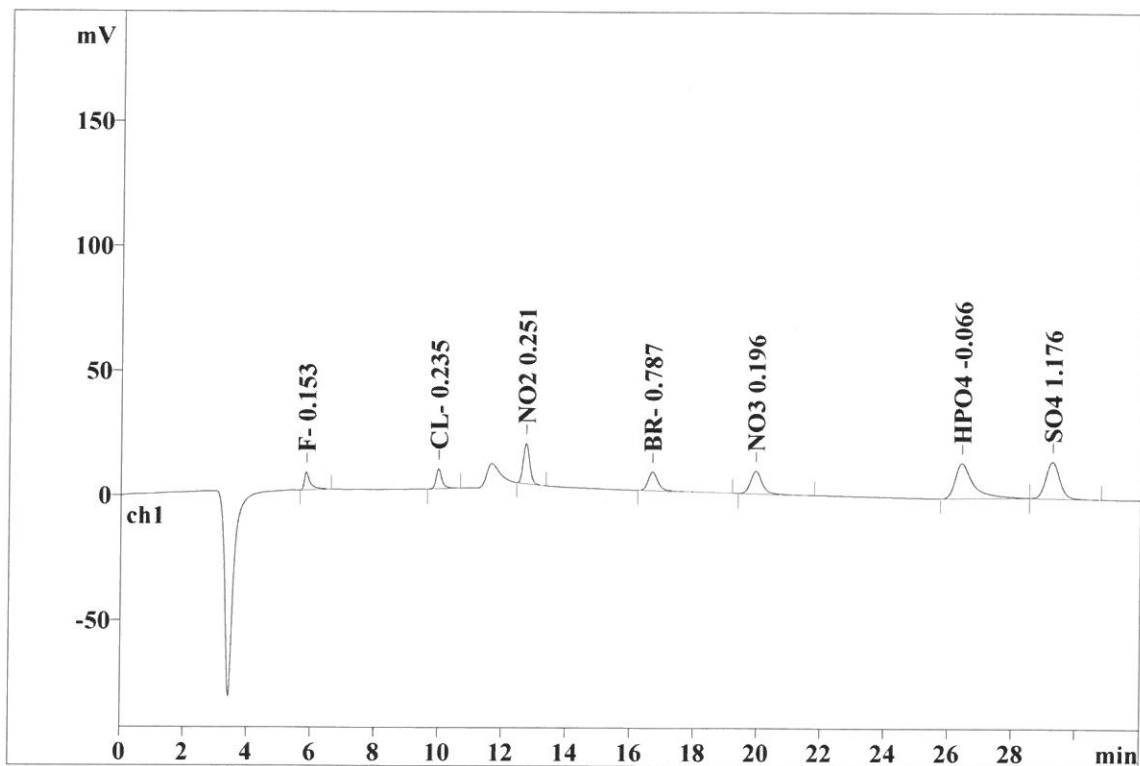
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Analysis from: 3/20/2019 2:42:54 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 8:33:43 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20680

Last save: 3/21/2019 8:30:

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  | 5.84             | 0.162          | 7.16         | 9.36        | 91.873         | 4.99      |
| 2  | 9.98             | 0.185          | 7.90         | 10.33       | 103.106        | 5.60      |
| 3  | 12.74            | 0.219          | 16.12        | 21.08       | 231.351        | 12.57     |
| 4  | 16.68            | 0.319          | 7.50         | 9.80        | 166.394        | 9.04      |
| 5  | 19.93            | 0.385          | 9.05         | 11.84       | 234.864        | 12.76     |
| 6  | 26.42            | 0.528          | 14.08        | 18.42       | 564.484        | 30.68     |
| 7  | 29.25            | 0.465          | 14.65        | 19.17       | 448.023        | 24.35     |
| 7  | 32.00            | 0.323          | 76.45        | 99.99       | 1840.094       | 100.00    |

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Report date: 3/22/2019 2:10:55 PM  
Printed by: wet

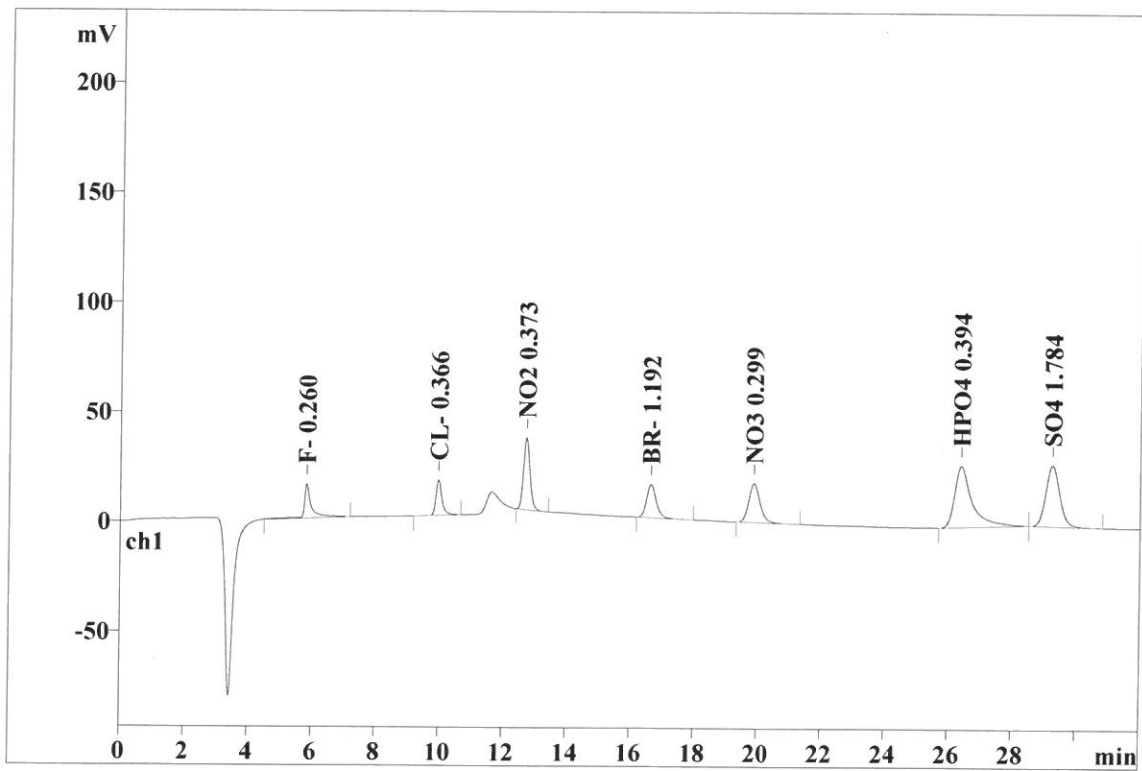
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Analysis from: 3/20/2019 3:17:50 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 8:33:43 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20681

Last save: 3/21/2019 8:30:

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  | 5.83             | 0.159          | 15.61        | 10.19       | 237.702        | 6.53      |
| 2  | 9.98             | 0.187          | 16.11        | 10.52       | 213.464        | 5.86      |
| 3  | 12.74            | 0.220          | 32.80        | 21.41       | 475.920        | 13.07     |
| 4  | 16.64            | 0.313          | 15.12        | 9.87        | 318.106        | 8.74      |
| 5  | 19.89            | 0.379          | 17.76        | 11.59       | 449.290        | 12.34     |
| 6  | 26.41            | 0.519          | 27.94        | 18.24       | 1101.010       | 30.25     |
| 7  | 29.26            | 0.462          | 27.87        | 18.19       | 844.718        | 23.21     |
| 7  | 32.00            | 0.320          | 153.20       | 100.00      | 3640.211       | 100.00    |

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Report date: 3/22/2019 2:11:04 PM  
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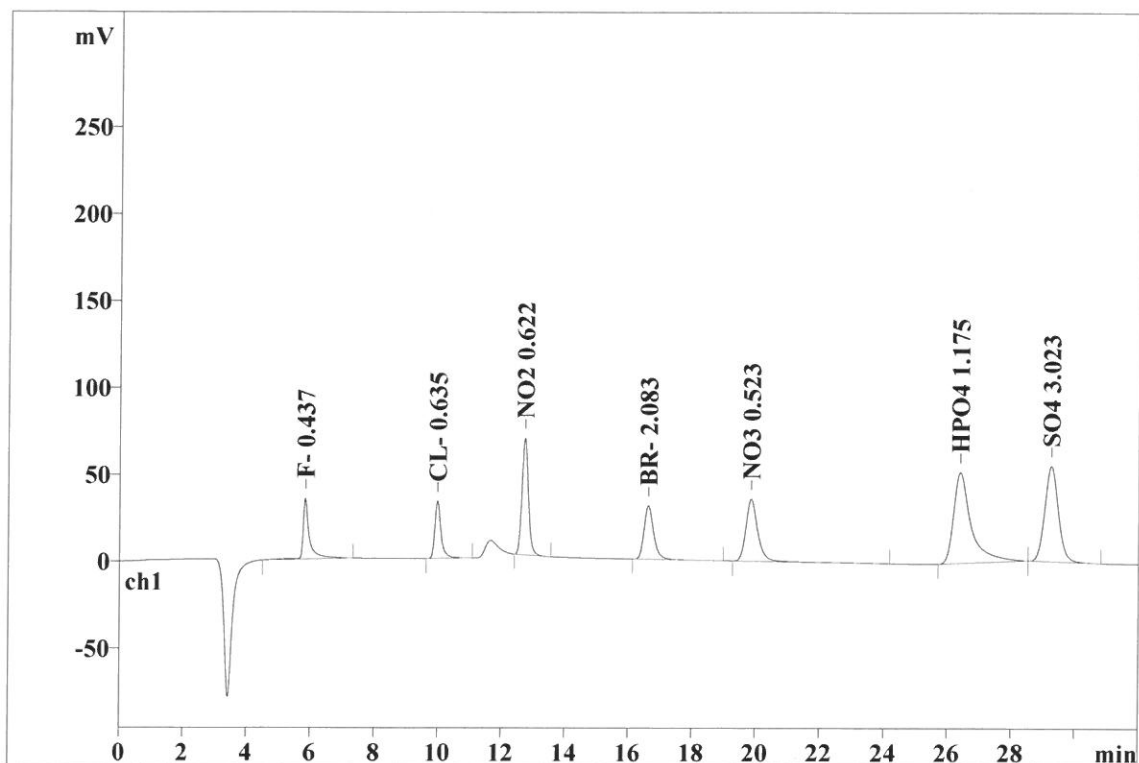
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Analysis from: 3/20/2019 3:52:47 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 8:33:43 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20682

Last save: 3/21/2019 8:30:

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  | 5.84             | 0.156          | 34.99        | 11.33       | 478.420        | 6.71      |
| 2  | 9.98             | 0.188          | 32.85        | 10.64       | 440.680        | 6.18      |
| 3  | 12.74            | 0.218          | 67.22        | 21.77       | 972.820        | 13.64     |
| 4  | 16.63            | 0.310          | 30.83        | 9.98        | 652.488        | 9.15      |
| 5  | 19.86            | 0.377          | 35.66        | 11.55       | 919.127        | 12.89     |
| 6  | 26.39            | 0.508          | 52.29        | 16.94       | 2014.014       | 28.25     |
| 7  | 29.25            | 0.459          | 54.90        | 17.78       | 1652.574       | 23.18     |
| 7  | 32.00            | 0.317          | 308.75       | 100.00      | 7130.123       | 100.00    |

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Report date: 3/22/2019 2:11:15 PM  
Printed by: wet

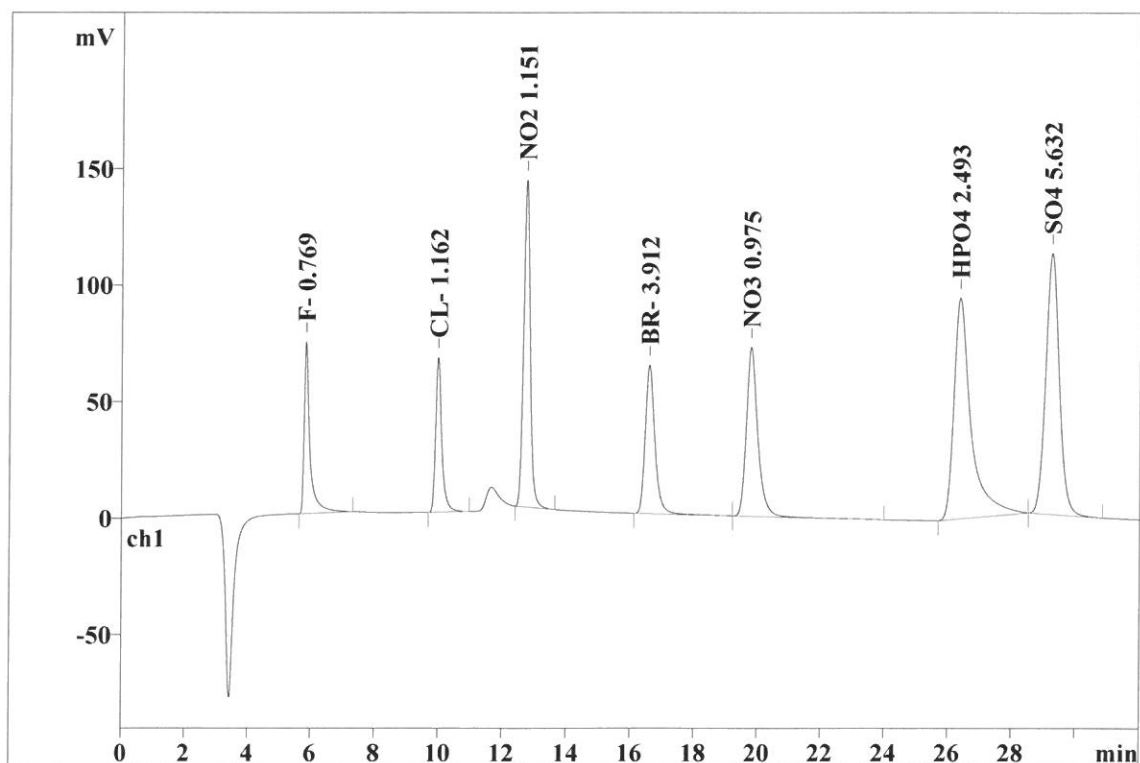
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File: \_2019-03-20\_

Last save: 3/21/2019 8:33:43 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20683

Last save: 3/21/2019 8:30:

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  | 5.84             | 0.154          | 73.78        | 11.83       | 928.837        | 6.65      |
| 2  | 9.98             | 0.189          | 66.45        | 10.65       | 886.615        | 6.35      |
| 3  | 12.74            | 0.217          | 140.50       | 22.52       | 2030.066       | 14.54     |
| 4  | 16.59            | 0.306          | 63.74        | 10.22       | 1338.667       | 9.59      |
| 5  | 19.79            | 0.374          | 72.59        | 11.64       | 1865.240       | 13.36     |
| 6  | 26.37            | 0.496          | 94.73        | 15.19       | 3553.395       | 25.46     |
| 7  | 29.25            | 0.456          | 112.02       | 17.96       | 3354.325       | 24.03     |
| 7  | 32.00            | 0.313          | 623.82       | 100.00      | 13957.144      | 100.00    |

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Report date: 3/22/2019 2:11:26 PM  
Printed by: wet

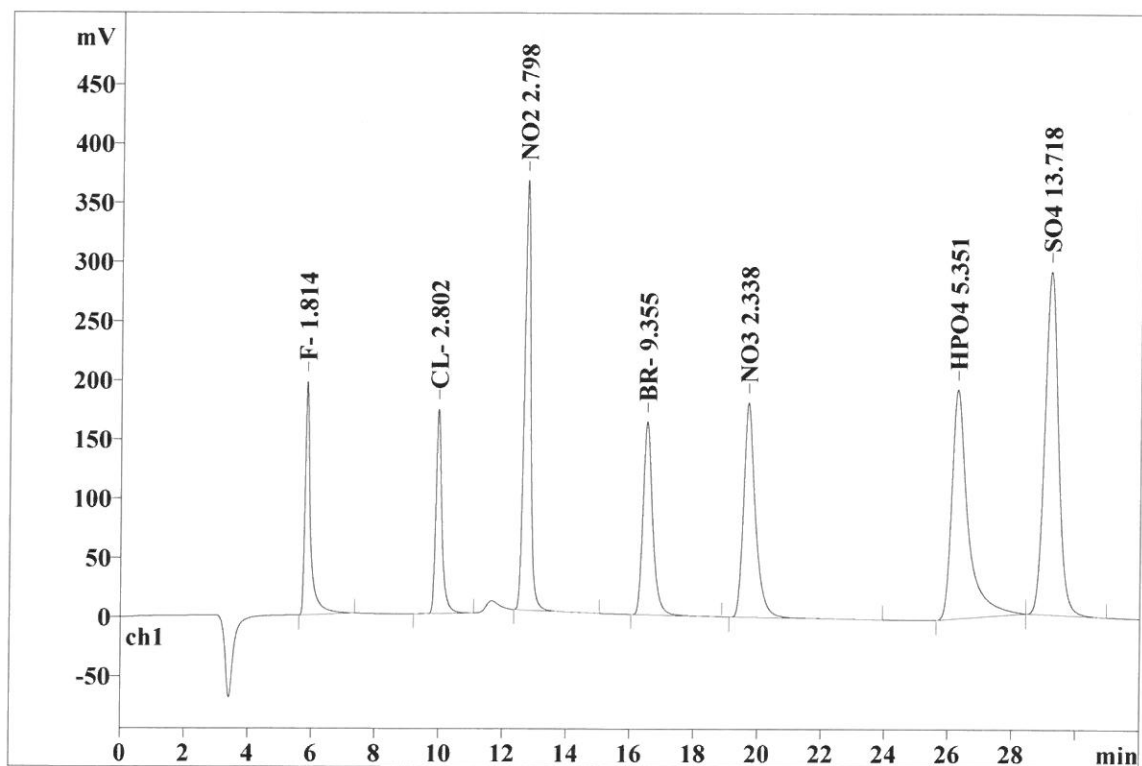
Ident: STD6  
Analysis from: 3/20/2019 5:02:38 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 8:33:44 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20684

Last save: 3/21/2019 8:30:

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  | 5.84             | 0.148          | 197.61       | 12.65       | 2349.740       | 7.00      |
| 2  | 9.97             | 0.185          | 173.07       | 11.08       | 2271.254       | 6.77      |
| 3  | 12.74            | 0.219          | 363.38       | 23.26       | 5321.289       | 15.86     |
| 4  | 16.53            | 0.301          | 163.25       | 10.45       | 3381.015       | 10.07     |
| 5  | 19.68            | 0.374          | 181.28       | 11.60       | 4718.435       | 14.06     |
| 6  | 26.29            | 0.476          | 193.61       | 12.39       | 6891.211       | 20.53     |
| 7  | 29.19            | 0.449          | 290.05       | 18.57       | 8628.371       | 25.71     |
| 7  | 32.00            | 0.308          | 1562.24      | 100.00      | 33561.314      | 100.00    |

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Report date: 3/22/2019 2:11:33 PM  
Printed by: wet

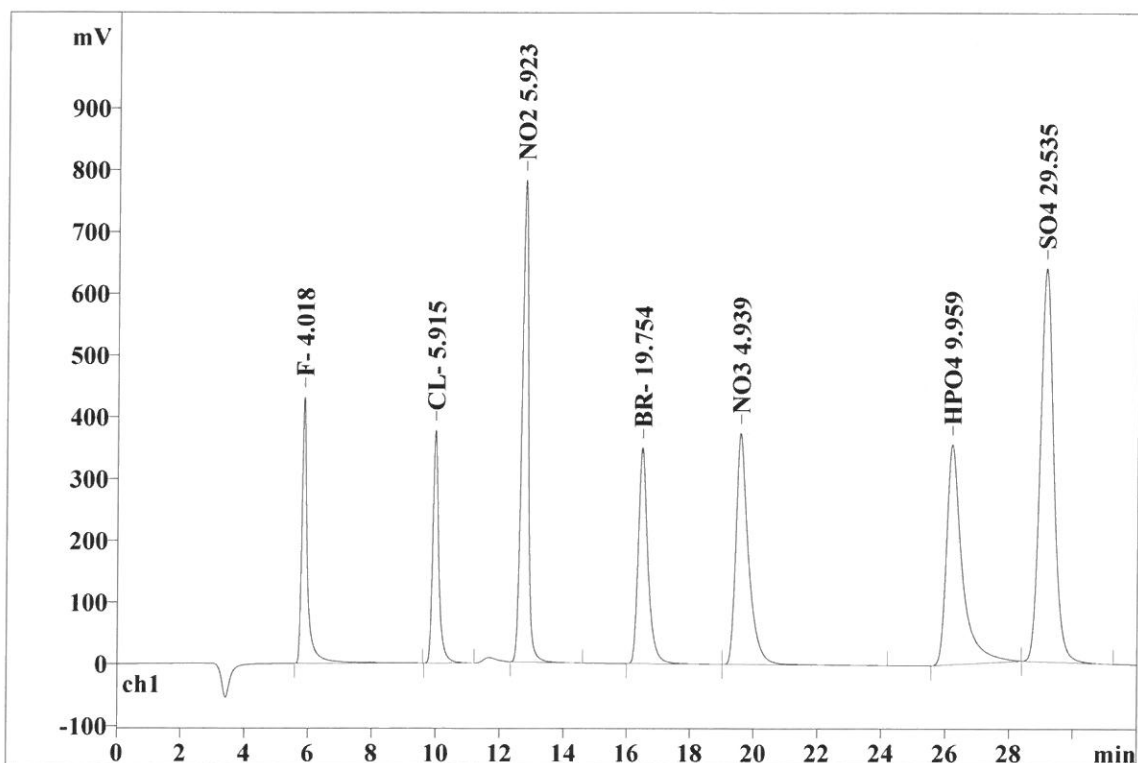
Ident: STD7  
Analysis from: 3/20/2019 5:37:35 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 8:33:44 AM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20685

Last save: 3/21/2019 8:30:

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  | 5.86             | 0.155          | 432.03       | 13.06       | 5345.157       | 7.58      |
| 2  | 9.97             | 0.183          | 377.51       | 11.41       | 4901.293       | 6.95      |
| 3  | 12.76            | 0.223          | 780.89       | 23.61       | 11567.135      | 16.41     |
| 4  | 16.47            | 0.298          | 349.65       | 10.57       | 7282.871       | 10.33     |
| 5  | 19.57            | 0.383          | 374.40       | 11.32       | 10163.610      | 14.42     |
| 6  | 26.19            | 0.467          | 356.35       | 10.77       | 12273.848      | 17.41     |
| 7  | 29.12            | 0.446          | 637.02       | 19.26       | 18945.848      | 26.88     |
| 7  | 32.00            | 0.308          | 3307.85      | 100.00      | 70479.762      | 100.00    |

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Report date: 3/22/2019 2:11:42 PM  
Printed by: wet

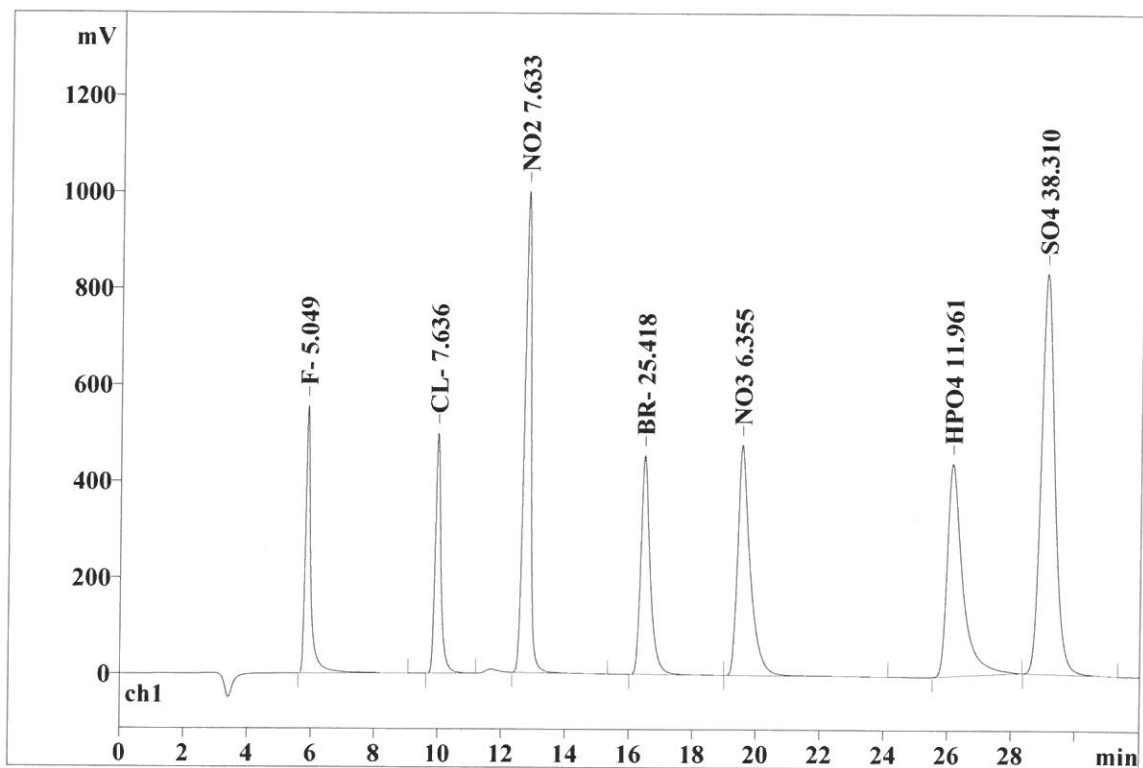
Ident: STD8  
Analysis from: 3/20/2019 6:12:31 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 4:08:02 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20686

Last save: 3/21/2019 3:08:

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  | 5.86             | 0.154          | 555.69       | 13.06       | 6746.716       | 7.48      |
| 2  | 9.97             | 0.181          | 498.78       | 11.72       | 6354.828       | 7.04      |
| 3  | 12.78            | 0.227          | 998.35       | 23.46       | 14985.460      | 16.60     |
| 4  | 16.46            | 0.296          | 454.18       | 10.67       | 9408.081       | 10.42     |
| 5  | 19.53            | 0.387          | 477.76       | 11.23       | 13127.471      | 14.54     |
| 6  | 26.14            | 0.464          | 440.50       | 10.35       | 14963.575      | 16.58     |
| 7  | 29.07            | 0.446          | 830.75       | 19.52       | 24669.299      | 27.33     |
| 7  | 32.00            | 0.308          | 4256.01      | 100.00      | 90255.431      | 100.00    |

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Report date: 3/22/2019 2:14:22 PM  
Printed by: wet

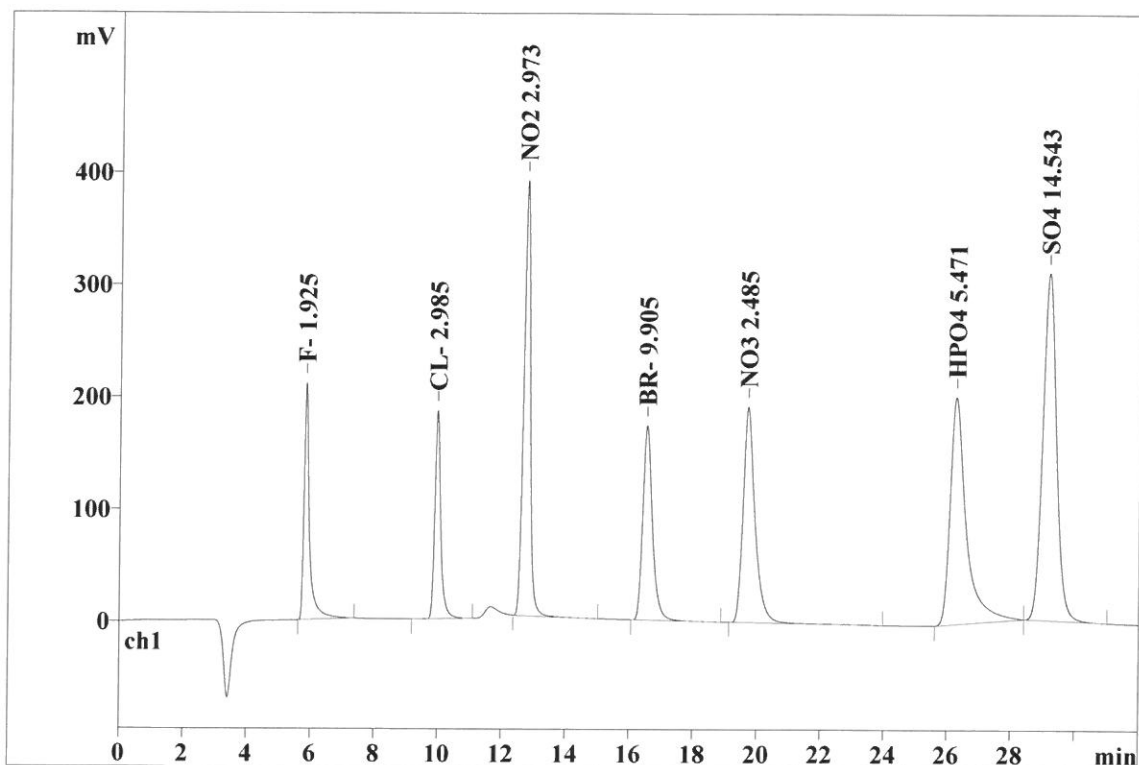
Ident: ICV  
Analysis from: 3/20/2019 6:47:28 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 4:13:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20687

Last save: 3/21/2019 3:08:

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  | 5.84             | 0.149          | 211.13       | 12.70       | 2500.948       | 7.04      |
| 2  | 9.97             | 0.186          | 185.60       | 11.17       | 2426.568       | 6.83      |
| 3  | 12.75            | 0.219          | 387.89       | 23.34       | 5671.453       | 15.96     |
| 4  | 16.54            | 0.301          | 173.36       | 10.43       | 3587.505       | 10.09     |
| 5  | 19.69            | 0.375          | 192.04       | 11.55       | 5026.290       | 14.14     |
| 6  | 26.26            | 0.474          | 202.43       | 12.18       | 7159.291       | 20.15     |
| 7  | 29.16            | 0.448          | 309.58       | 18.63       | 9166.467       | 25.79     |
| 7  | 32.00            | 0.308          | 1662.03      | 100.00      | 35538.523      | 100.00    |

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METROHM LTD

Report date: 3/22/2019 2:14:30 PM  
Printed by: wet

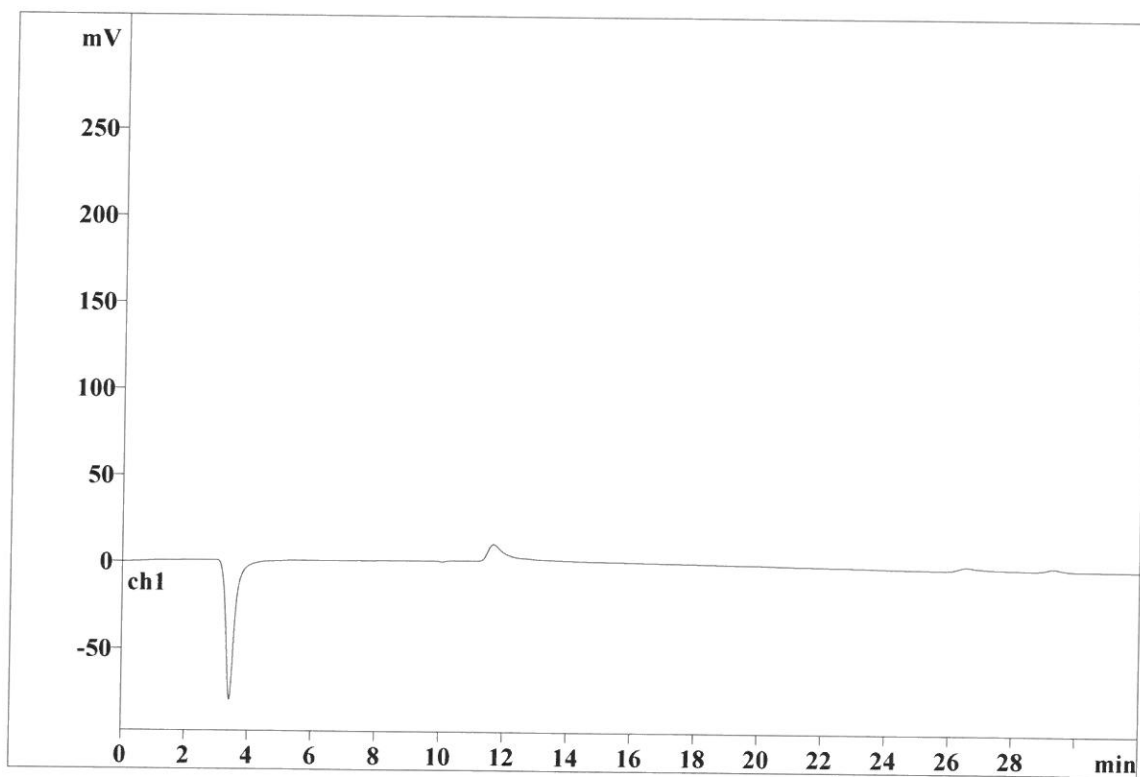
Ident: ICB  
Analysis from: 3/20/2019 7:22:24 PM  
File: \_2019-03-20\_

Last save: 3/21/2019 4:13:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20688

Last save: 3/21/2019 3:08:

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



Quantitation method: Custom

No peaks

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METROHM LTD

Report date: 4/5/2019 12:11:13 PM  
Printed by: wet

Ident: CCV  
Analysis from: 3/21/2019 9:14:56 AM  
File: \_2019-03-21\_

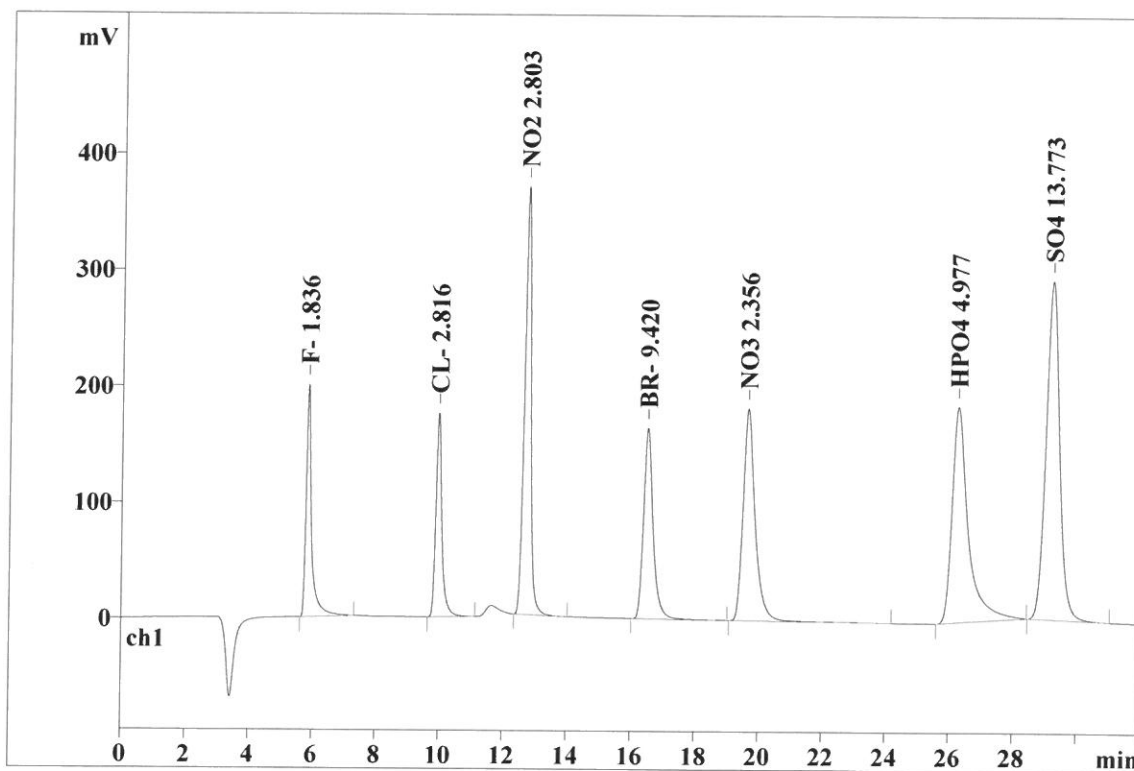
Last save: 4/5/2019 12:10:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20704

Last save: 3/21/2019 3:08:

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

IC 2 LOD/LOD  
9056 A  
water



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>mV | Height<br>% | Area<br>mV*sec | Area<br>% |
|----|------------------|----------------|--------------|-------------|----------------|-----------|
| 1  | 5.85             | 0.150          | 200.03       | 12.77       | 2379.946       | 7.13      |
| 2  | 9.97             | 0.183          | 175.32       | 11.19       | 2283.028       | 6.84      |
| 3  | 12.72            | 0.216          | 367.91       | 23.49       | 5331.698       | 15.97     |
| 4  | 16.50            | 0.300          | 163.96       | 10.47       | 3405.313       | 10.20     |
| 5  | 19.64            | 0.373          | 182.40       | 11.65       | 4756.200       | 14.25     |
| 6  | 26.26            | 0.474          | 185.41       | 11.84       | 6564.658       | 19.66     |
| 7  | 29.19            | 0.450          | 291.11       | 18.59       | 8664.810       | 25.95     |
| 7  | 32.00            | 0.307          | 1566.13      | 100.00      | 33385.653      | 100.00    |

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Report date: 4/5/2019 12:11:22 PM  
Printed by: wet

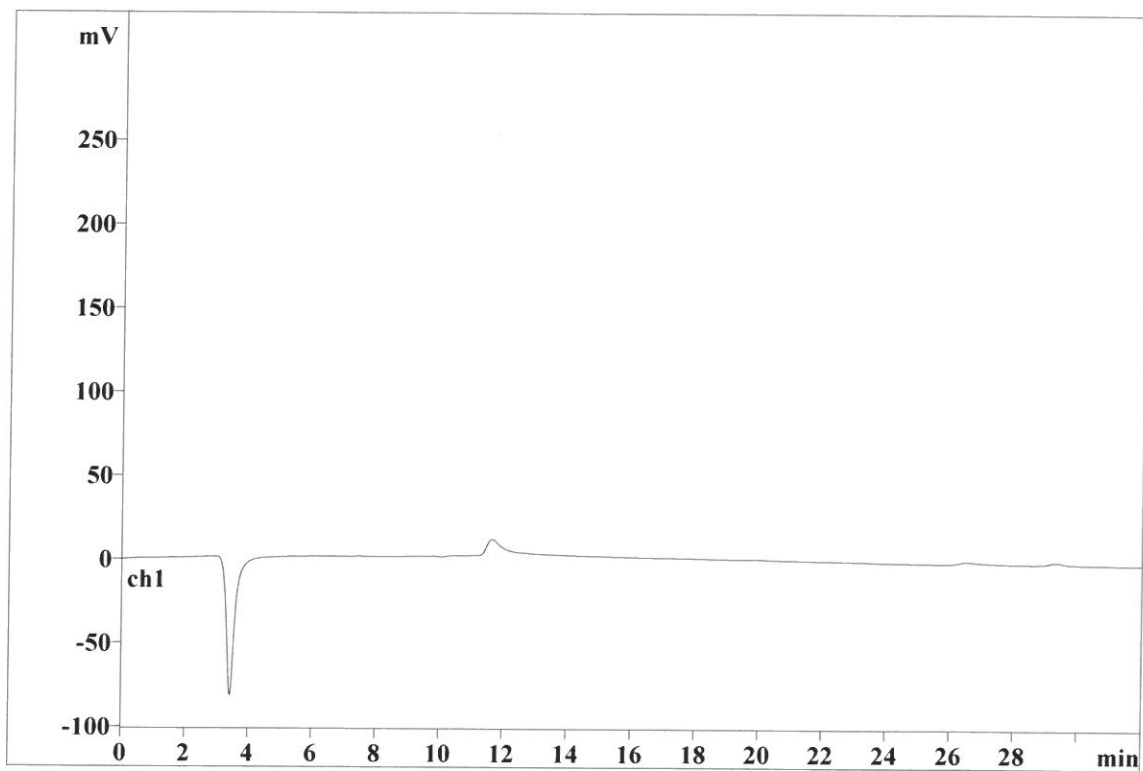
Ident: CCB  
Analysis from: 3/21/2019 9:52:38 AM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:10:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20705

Last save: 3/21/2019 3:08:

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  
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Report date: 4/5/2019 12:11:30 PM  
Printed by: wet

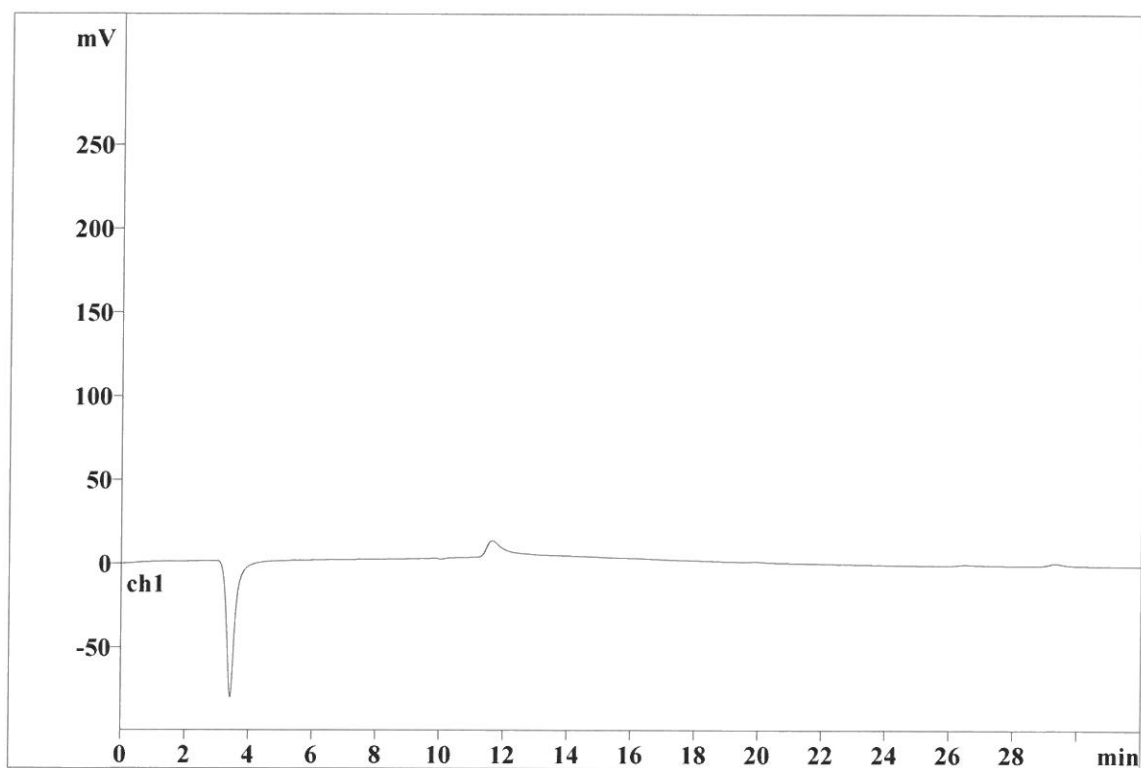
Ident: LB101897BLW  
Analysis from: 3/21/2019 12:32:40 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:10:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20709

Last save: 3/21/2019 3:08:

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: 4/5/2019 12:11:41 PM  
Printed by: wet

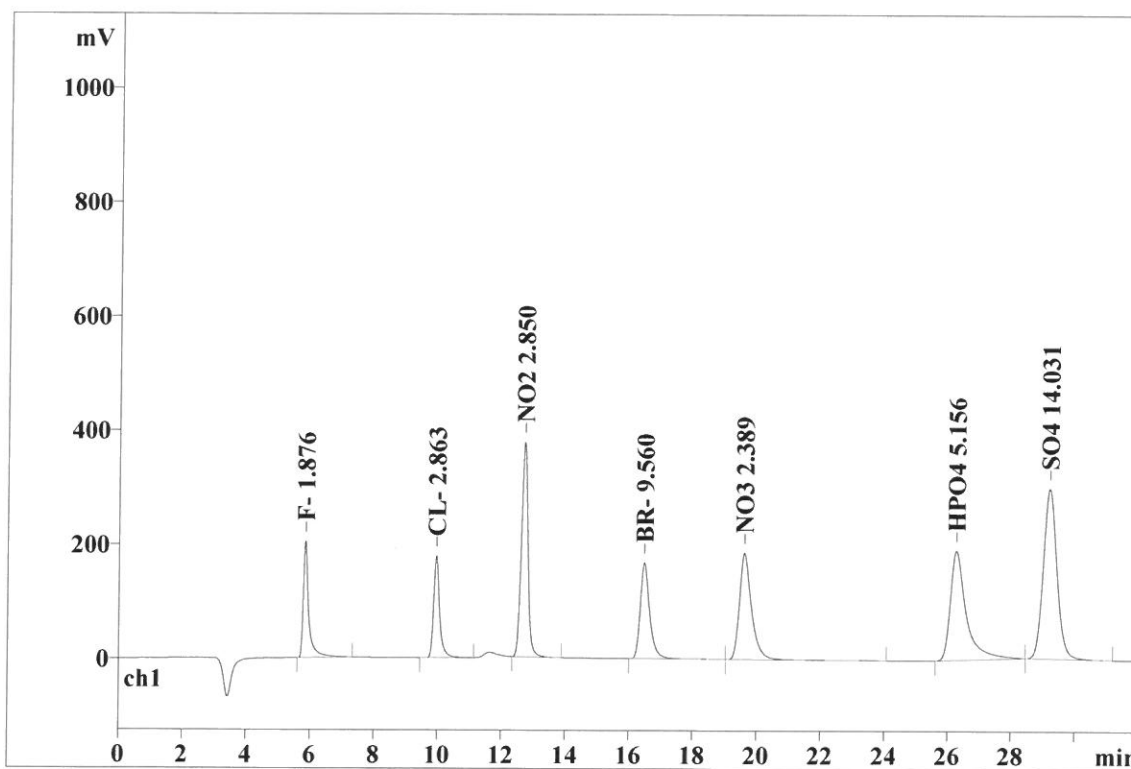
Ident: LB101897BSW  
Analysis from: 3/21/2019 1:07:37 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:10:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20710

Last save: 3/21/2019 3:08:

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  | 5.85             | 0.150          | 204.60       | 12.76       | 2434.484       | 7.14      |
| 2  | 9.96             | 0.183          | 178.66       | 11.14       | 2322.766       | 6.82      |
| 3  | 12.72            | 0.216          | 376.60       | 23.49       | 5426.499       | 15.92     |
| 4  | 16.48            | 0.299          | 167.75       | 10.46       | 3458.145       | 10.15     |
| 5  | 19.61            | 0.371          | 186.71       | 11.64       | 4824.912       | 14.16     |
| 6  | 26.26            | 0.473          | 191.71       | 11.96       | 6779.464       | 19.89     |
| 7  | 29.20            | 0.449          | 297.49       | 18.55       | 8832.759       | 25.92     |
| 7  | 32.00            | 0.306          | 1603.53      | 100.00      | 34079.029      | 100.00    |

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Report date: 4/5/2019 12:12:00 PM  
Printed by: wet

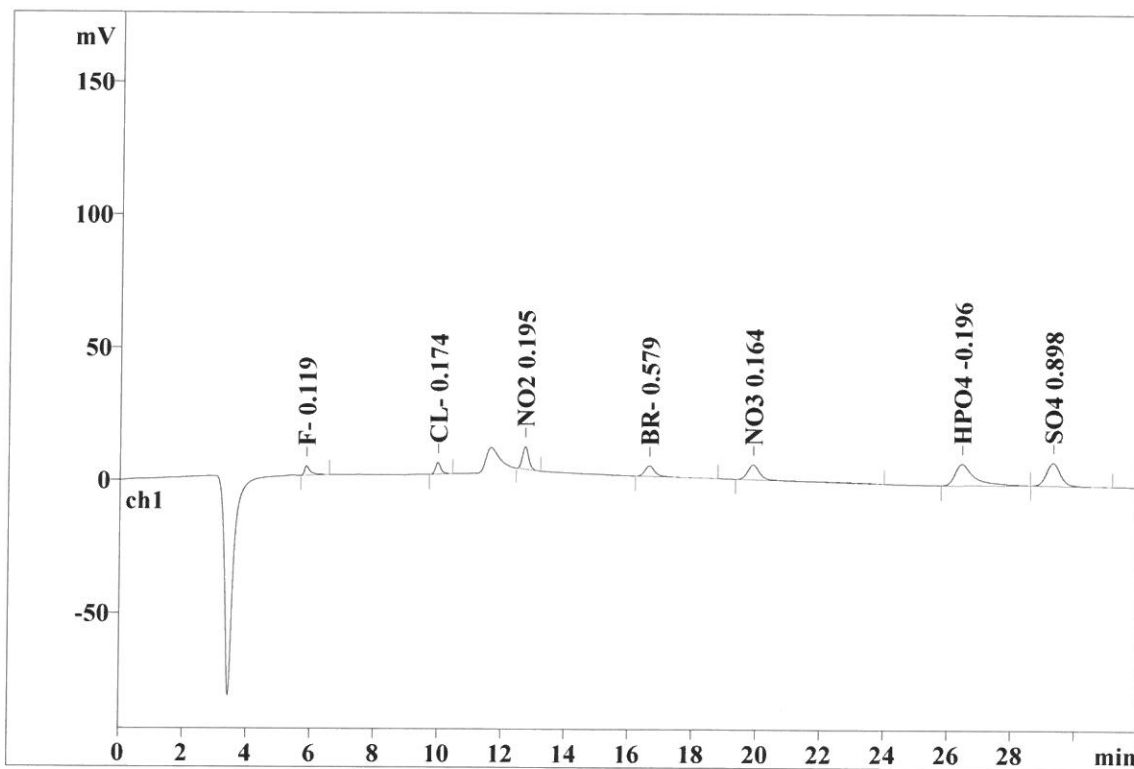
Ident: K1560-07  
Analysis from: 3/21/2019 1:45:57 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:10:59 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20711

Last save: 3/21/2019 3:08:

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  | 5.84             | 0.164          | 3.55         | 8.34        | 46.312         | 4.28      |
| 2  | 9.97             | 0.176          | 4.32         | 10.14       | 51.719         | 4.78      |
| 3  | 12.71            | 0.217          | 8.47         | 19.90       | 119.622        | 11.05     |
| 4  | 16.63            | 0.317          | 3.95         | 9.28        | 88.168         | 8.15      |
| 5  | 19.87            | 0.384          | 5.64         | 13.24       | 166.573        | 15.39     |
| 6  | 26.42            | 0.556          | 8.03         | 18.85       | 343.176        | 31.71     |
| 7  | 29.28            | 0.468          | 8.63         | 20.26       | 266.518        | 24.63     |
| 7  | 32.00            | 0.326          | 42.58        | 99.99       | 1082.089       | 100.00    |

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Report date: 4/5/2019 12:12:17 PM  
Printed by: wet

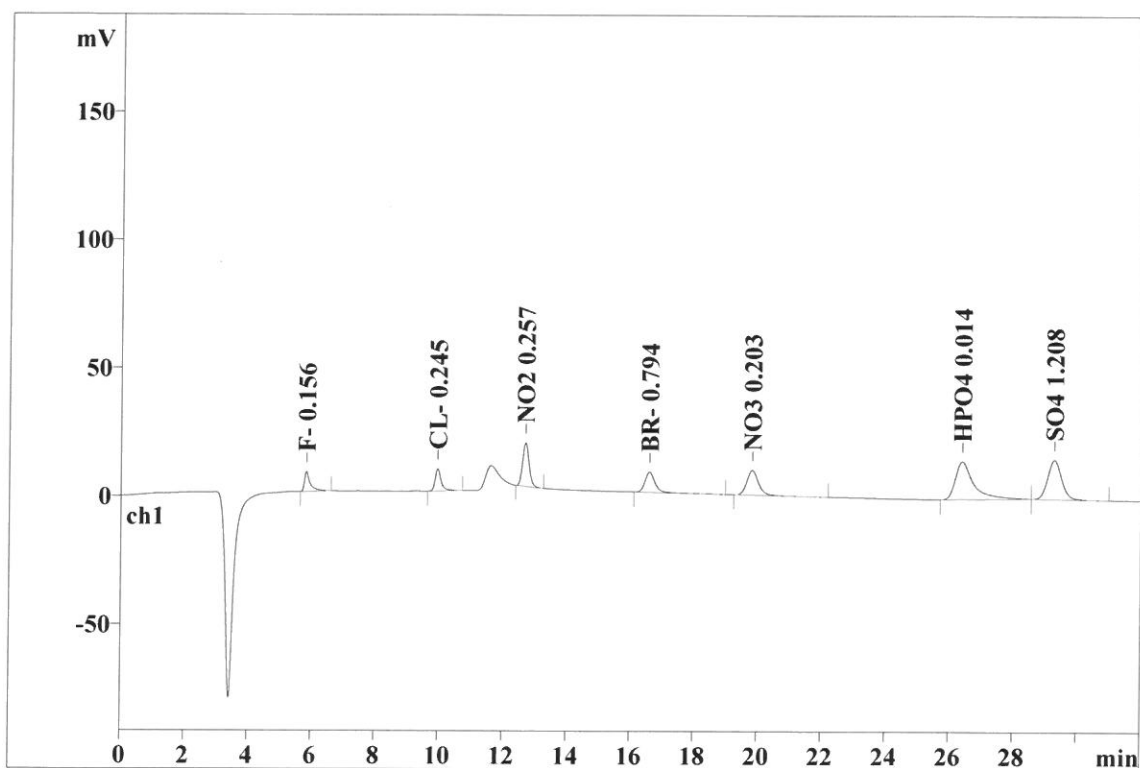
Ident: K1560-07RE  
Analysis from: 3/21/2019 2:55:50 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:11:00 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20713

Last save: 3/21/2019 3:08:

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  | 5.83             | 0.159          | 7.70         | 9.50        | 96.302         | 4.98      |
| 2  | 9.96             | 0.183          | 8.58         | 10.59       | 111.580        | 5.78      |
| 3  | 12.70            | 0.217          | 17.06        | 21.06       | 242.992        | 12.58     |
| 4  | 16.60            | 0.314          | 7.87         | 9.71        | 168.819        | 8.74      |
| 5  | 19.83            | 0.379          | 9.65         | 11.92       | 247.881        | 12.83     |
| 6  | 26.40            | 0.528          | 14.80        | 18.27       | 596.011        | 30.85     |
| 7  | 29.28            | 0.464          | 15.34        | 18.94       | 468.368        | 24.24     |
| 7  | 32.00            | 0.321          | 80.98        | 100.00      | 1931.953       | 100.00    |

This report has been created by IC Net  
METROHM LTD

Report date: 4/5/2019 12:12:28 PM  
Printed by: wet

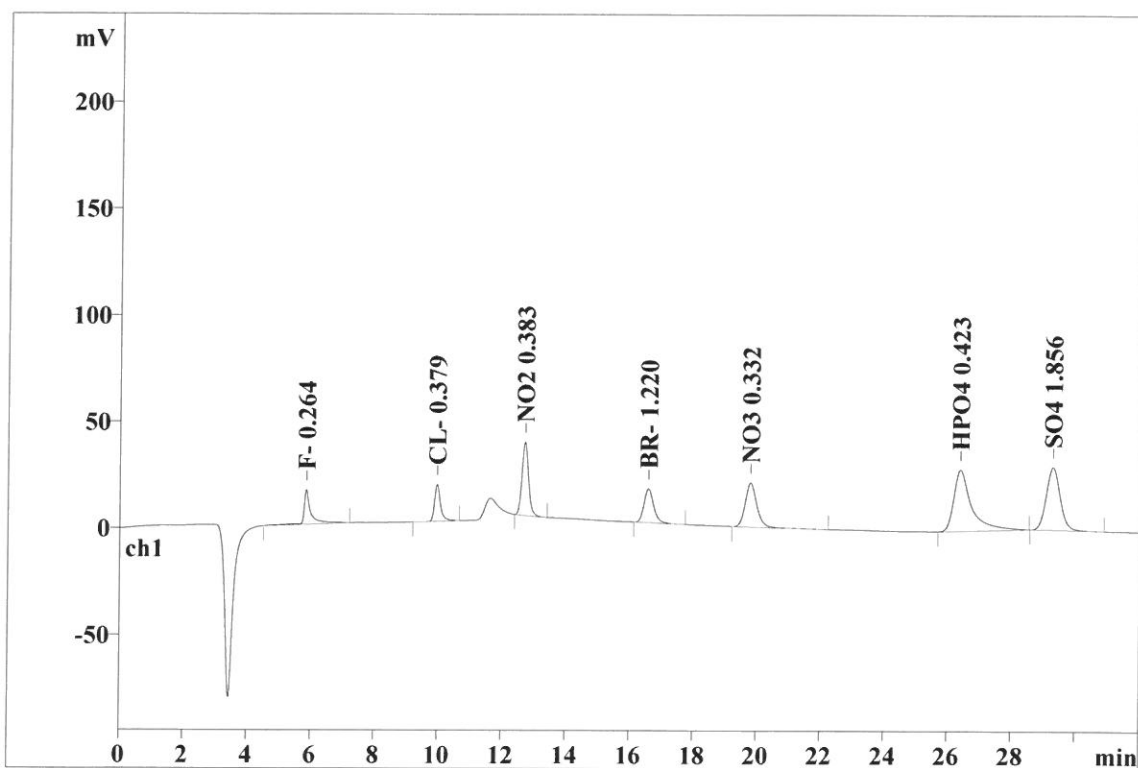
Ident: K1560-08  
Analysis from: 3/21/2019 4:05:48 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:11:00 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20715

Last save: 3/21/2019 3:08:

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  | 5.84             | 0.157          | 16.18        | 9.95        | 243.162        | 6.33      |
| 2  | 9.96             | 0.184          | 17.29        | 10.63       | 224.733        | 5.85      |
| 3  | 12.71            | 0.218          | 34.41        | 21.16       | 495.994        | 12.92     |
| 4  | 16.58            | 0.308          | 15.86        | 9.75        | 328.634        | 8.56      |
| 5  | 19.79            | 0.374          | 20.73        | 12.74       | 519.715        | 13.54     |
| 6  | 26.39            | 0.519          | 28.73        | 17.66       | 1134.775       | 29.56     |
| 7  | 29.28            | 0.461          | 29.45        | 18.11       | 891.384        | 23.22     |
| 7  | 32.00            | 0.317          | 162.67       | 100.00      | 3838.398       | 100.00    |

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Report date: 4/5/2019 12:12:38 PM  
Printed by: wet

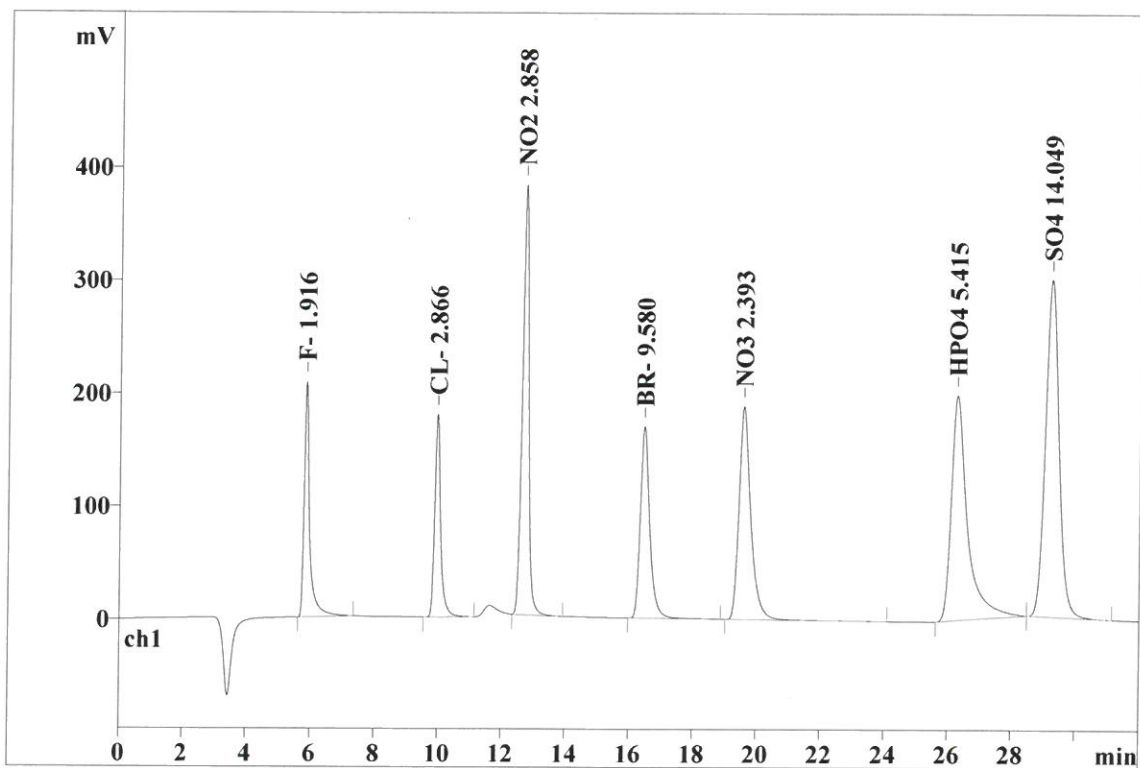
Ident: CCV  
Analysis from: 3/21/2019 4:40:51 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:11:00 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20716

Last save: 3/21/2019 3:08:

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  | 5.85             | 0.150          | 208.89       | 12.86       | 2488.485       | 7.21      |
| 2  | 9.96             | 0.182          | 179.34       | 11.04       | 2326.022       | 6.74      |
| 3  | 12.71            | 0.214          | 380.35       | 23.42       | 5441.586       | 15.78     |
| 4  | 16.46            | 0.296          | 169.50       | 10.44       | 3465.429       | 10.05     |
| 5  | 19.58            | 0.368          | 188.61       | 11.61       | 4833.403       | 14.01     |
| 6  | 26.27            | 0.475          | 199.13       | 12.26       | 7091.477       | 20.56     |
| 7  | 29.23            | 0.448          | 298.48       | 18.38       | 8844.436       | 25.64     |
| 7  | 32.00            | 0.305          | 1624.31      | 100.00      | 34490.839      | 100.00    |

This report has been created by IC Net  
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Report date: 4/5/2019 12:12:49 PM  
Printed by: wet

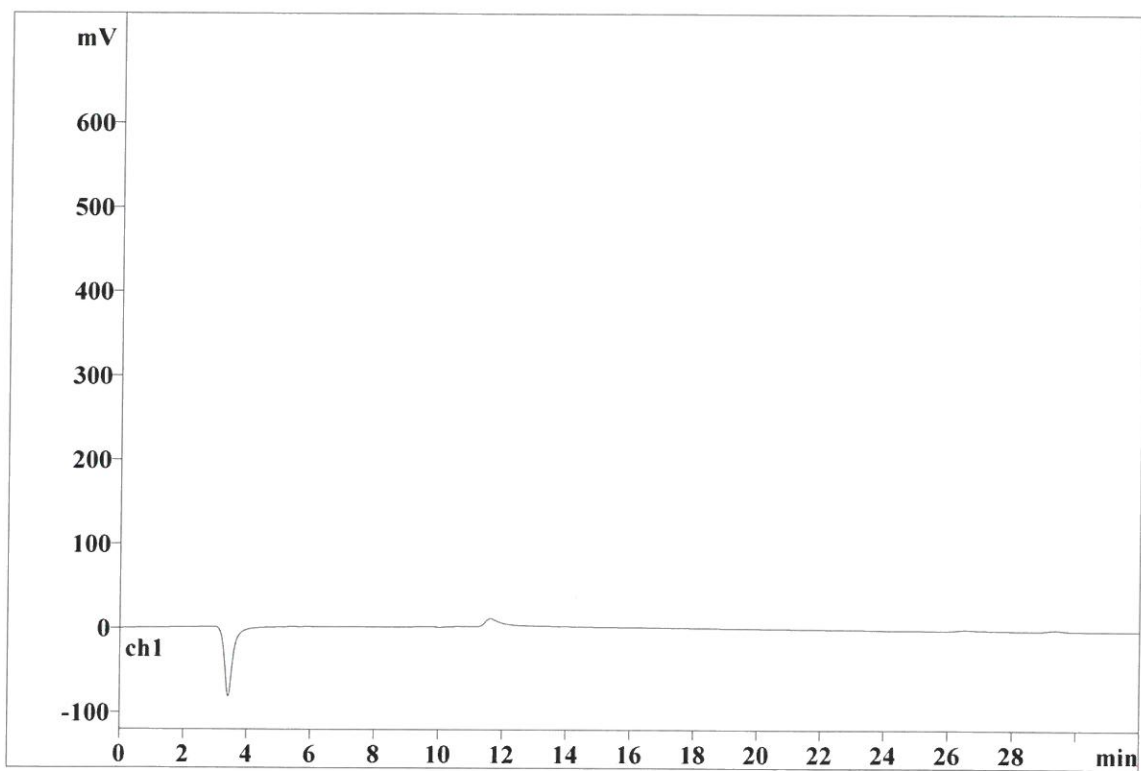
Ident: CCB  
Analysis from: 3/21/2019 5:15:59 PM  
File: \_2019-03-21\_

Last save: 4/5/2019 12:11:00 PM

Method: AnionsIC2-032019.mtw  
Run operator: wet  
Analysis number: 20717

Last save: 3/21/2019 3:08:

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