

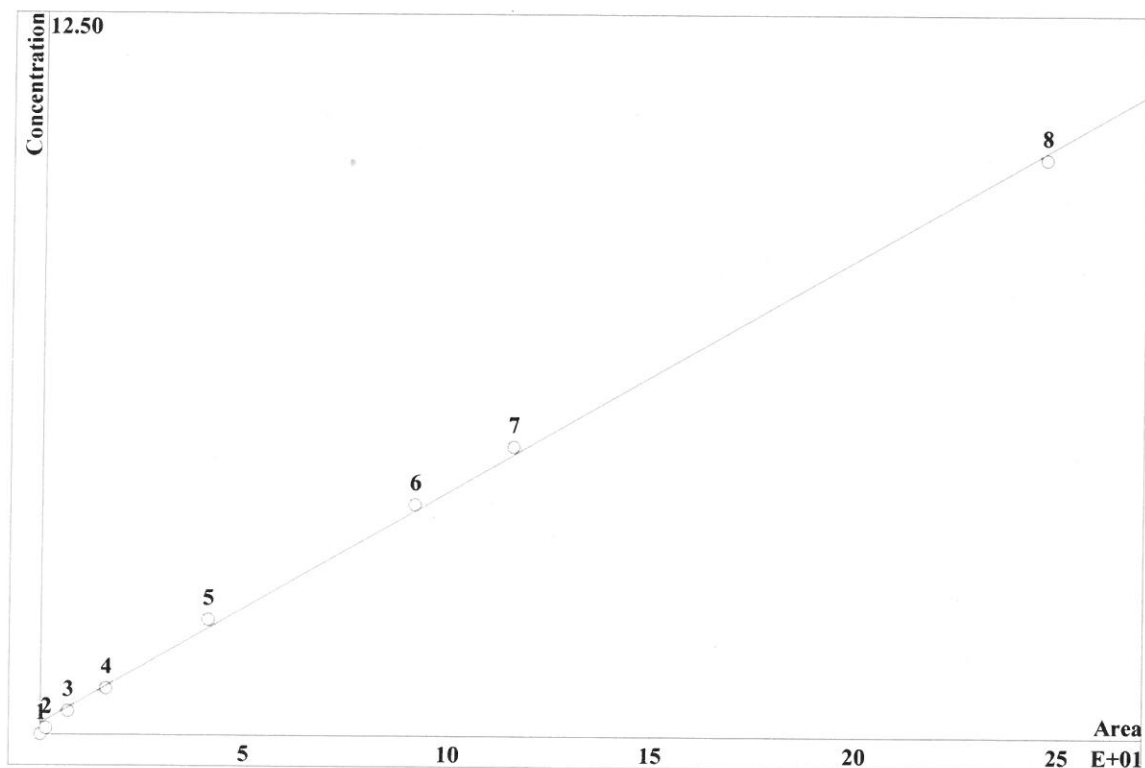
Clear table

| 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                | _2017-01-16_ | 1/16/17 10:57 |
| STD2       | 0.2550               | 0.3570                | 0.3650                | 0.9130                | 0.3200                | 0.1410                 | 2.2570                | _2017-01-16_ | 1/16/17 11:26 |
| STD3       | 0.4700               | 0.7650                | 0.7040                | 2.2700                | 0.6230                | 1.0380                 | 4.0270                | _2017-01-16_ | 1/16/17 11:55 |
| STD4       | 0.8450               | 1.2590                | 1.2460                | 4.0820                | 0.9660                | 2.1140                 | 6.4350                | _2017-01-16_ | 1/16/17 12:24 |
| STD5       | 1.8540               | 2.8670                | 2.9020                | 9.7560                | 2.1510                | 4.6880                 | 14.1610               | _2017-01-16_ | 1/16/17 12:53 |
| STD6       | 3.8880               | 5.7220                | 5.9080                | 19.5270               | 4.2540                | 9.7910                 | 28.1340               | _2017-01-16_ | 1/16/17 13:22 |
| STD7       | 4.8620               | 7.2480                | 7.3900                | 24.5100               | 5.3450                | 11.9620                | 35.6830               | _2017-01-16_ | 1/16/17 13:51 |
| STD8       | 10.1250              | 15.2310               | 15.3960               | 50.4420               | 11.5400               | 24.2460                | 76.5530               | _2017-01-16_ | 1/16/17 14:20 |
| ICV        | 4.6930               | 7.2950                | 7.5820                | 25.3950               | 6.1790                | 11.2800                | 36.4420               | _2017-01-16_ | 1/16/17 15:57 |
| ICB        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2017-01-16_ | 1/16/17 16:26 |
| CCV        | 5.1660               | 7.4410                | 7.6900                | 25.7340               | 5.5970                | 12.7690                | 37.9960               | _2017-01-24_ | 1/24/17 11:44 |
| CCB        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2017-01-24_ | 1/24/17 12:14 |
| LB85529BLW | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2017-01-24_ | 1/24/17 12:43 |
| LB85529BSW | 5.2560               | 7.5920                | 7.7220                | 25.9140               | 6.3280                | 12.5760                | 38.0150               | _2017-01-24_ | 1/24/17 13:12 |
| I1422-01   | 0.2870               | 0.6720                | 0.0000                | 0.0000                | 0.3330                | 0.0000                 | 0.0000                | _2017-01-24_ | 1/24/17 16:03 |
| I1422-02   | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2017-01-24_ | 1/24/17 17:01 |
| I1422-02D  | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2017-01-24_ | 1/24/17 17:30 |
| I1422-02S  | 4.9040               | 7.1500                | 7.7040                | 24.1860               | 5.4100                | 11.7880                | 36.3540               | _2017-01-24_ | 1/24/17 18:57 |
| CCV        | 5.0670               | 7.3240                | 7.7290                | 24.9460               | 5.4900                | 12.5600                | 36.3810               | _2017-01-24_ | 1/24/17 19:26 |
| CCB        | 0.0000               | 0.0000                | 0.0000                | 0.0000                | 0.0000                | 0.0000                 | 0.0000                | _2017-01-24_ | 1/24/17 19:55 |

108  
1/26/18

CALIBRATION OF COMPONENT F-

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 0.805927 \cdot A + 3.96302$   
 RSD: 4.423 %  
 Correlation coefficient: 0.999336



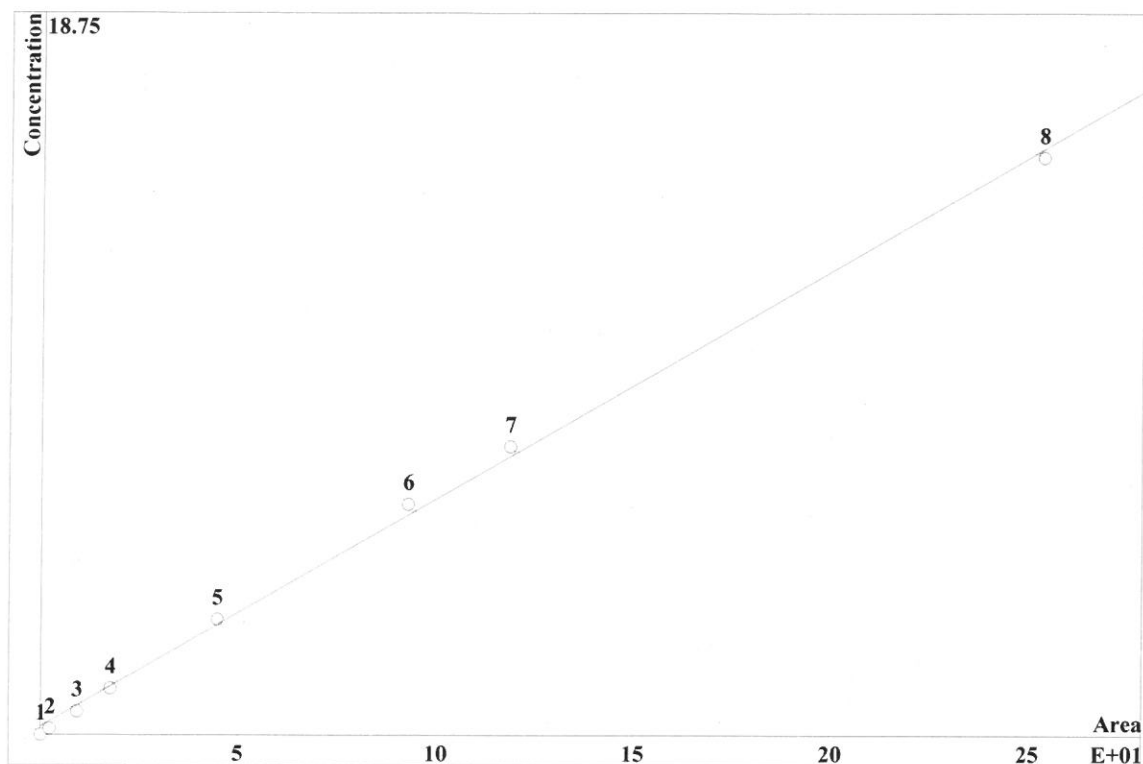
K3 = 0 K2 = 0 K1 = 0.805927 K0 = 3.96302

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|---------|-------|-------|---------|-----------|------|------|
| 1     | 0       | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.06847 | 1.415 | 0.1   | 20      | 5.749     | Yes  |      |
| 3     | 0.3144  | 6.744 | 0.4   | 20      | 5.749     | Yes  |      |
| 4     | 0.6861  | 16.06 | 0.8   | 20      | 5.749     | Yes  |      |
| 5     | 1.923   | 41.09 | 2     | 20      | 5.749     | Yes  |      |
| 6     | 4.239   | 91.58 | 4     | 20      | 5.749     | Yes  |      |
| 7     | 5.397   | 115.8 | 5     | 20      | 5.749     | Yes  |      |
| 8     | 11.4    | 246.3 | 10    | 20      | 5.749     | Yes  |      |

CALIBRATION OF COMPONENT CL-

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 1.18372 \cdot A + 4.38173$   
 RSD: 5.002 %  
 Correlation coefficient: 0.999151



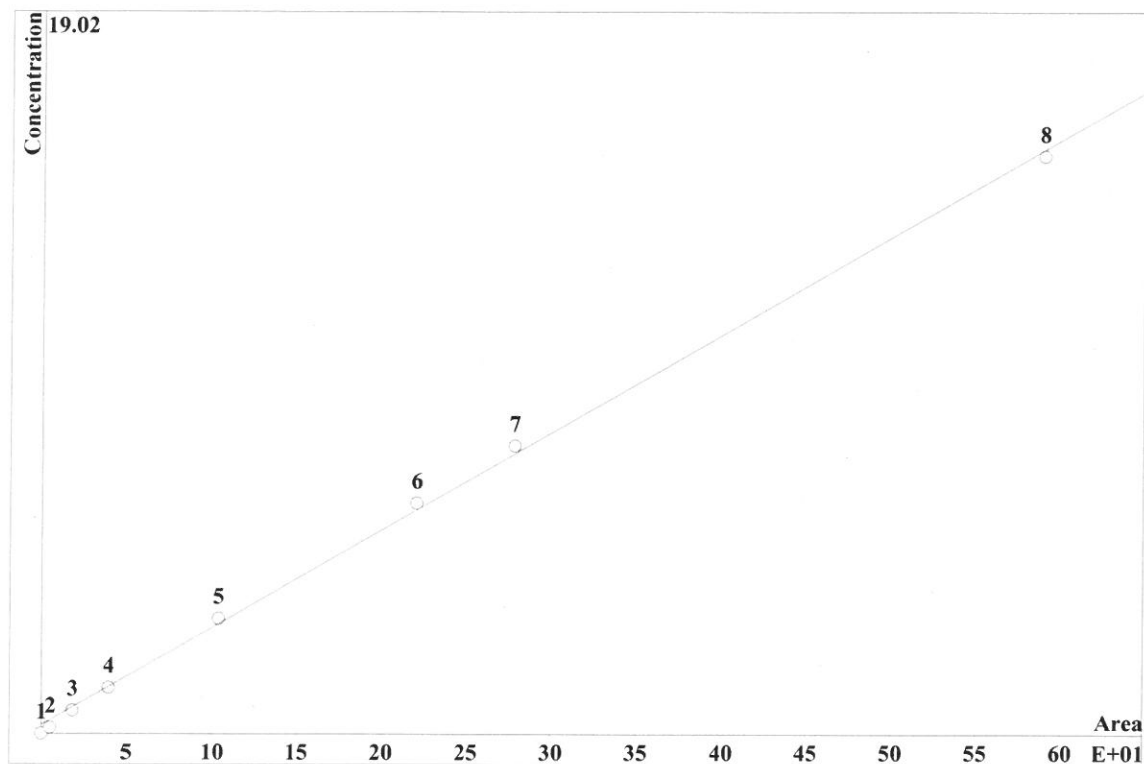
K3 = 0      K2 = 0      K1 = 1.18372      K0 = 4.38173

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|--------|-------|-------|---------|-----------|------|------|
| 1     | 0      | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.118  | 2.338 | 0.15  | 20      | 8.479     |      | Yes  |
| 3     | 0.4614 | 9.228 | 0.6   | 20      | 8.479     |      | Yes  |
| 4     | 0.8997 | 17.57 | 1.2   | 20      | 8.479     |      | Yes  |
| 5     | 2.314  | 44.73 | 3     | 20      | 8.479     |      | Yes  |
| 6     | 4.847  | 92.98 | 6     | 20      | 8.479     |      | Yes  |
| 7     | 6.179  | 118.8 | 7.5   | 20      | 8.479     |      | Yes  |
| 8     | 13.41  | 253.6 | 15    | 20      | 8.479     |      | Yes  |

CALIBRATION OF COMPONENT NO2

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 0.514488 \cdot A + 4.64549$   
 RSD: 3.925 %  
 Correlation coefficient: 0.999478



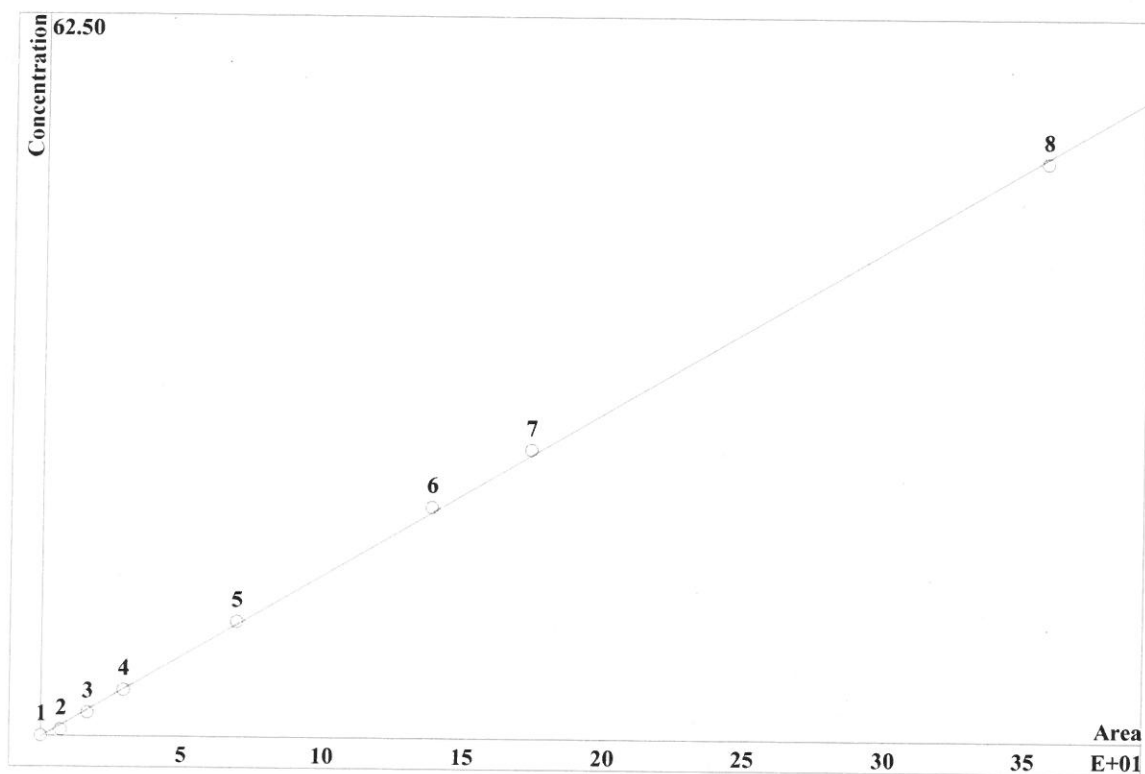
K3 = 0      K2 = 0      K1 = 0.514488      K0 = 4.64549

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc.  | Vol/Dil | Retention | Used | File |
|-------|--------|-------|--------|---------|-----------|------|------|
| 1     | 0      | 0     | 0      | 0       | 0         |      | No   |
| 2     | 0.2158 | 5.168 | 0.152  | 20      | 10.05     | Yes  |      |
| 3     | 0.8384 | 18.33 | 0.608  | 20      | 10.05     | Yes  |      |
| 4     | 1.817  | 39.41 | 1.216  | 20      | 10.05     | Yes  |      |
| 5     | 4.839  | 103.8 | 3.04   | 20      | 10.05     | Yes  |      |
| 6     | 10.21  | 220.6 | 6.08   | 20      | 10.05     | Yes  |      |
| 7     | 13     | 278.3 | 7.6    | 20      | 10.05     | Yes  |      |
| 8     | 26.8   | 589.5 | 15.215 | 20      | 10.05     | Yes  |      |

CALIBRATION OF COMPONENT BR-

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 2.83473 \cdot A - 2.00192$   
 RSD: 2.763 %  
 Correlation coefficient: 0.999741



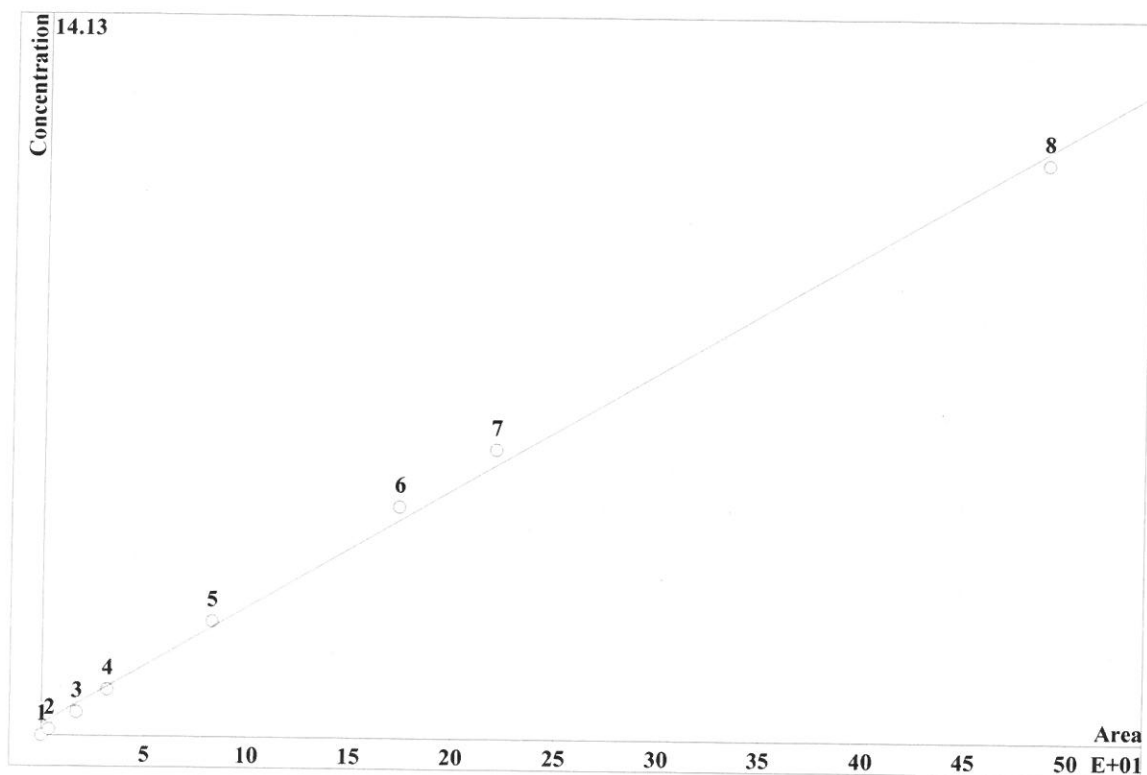
K3 = 0      K2 = 0      K1 = 2.83473      K0 = -2.00192

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.1901 | 7.148 | 0.5   | 20      | 12.84     |      |      | Yes |
| 3     | 0.5168 | 16.72 | 2     | 20      | 12.84     |      |      | Yes |
| 4     | 0.9311 | 29.51 | 4     | 20      | 12.84     |      |      | Yes |
| 5     | 2.095  | 69.54 | 10    | 20      | 12.84     |      |      | Yes |
| 6     | 3.767  | 138.5 | 20    | 20      | 12.84     |      |      | Yes |
| 7     | 4.409  | 173.6 | 25    | 20      | 12.84     |      |      | Yes |
| 8     | 7.258  | 356.6 | 50    | 20      | 12.84     |      |      | Yes |

CALIBRATION OF COMPONENT NO3

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 0.463171 \cdot A + 4.72898$   
 RSD: 6.909 %  
 Correlation coefficient: 0.998379



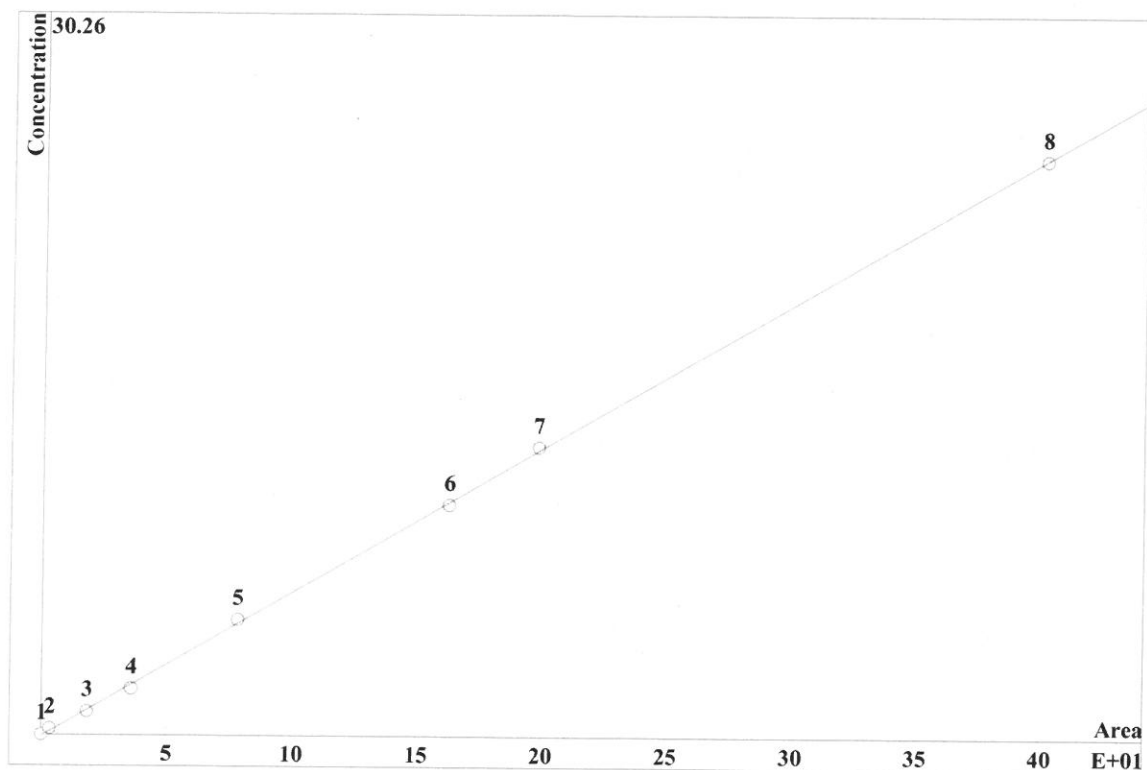
K3 = 0      K2 = 0      K1 = 0.463171      K0 = 4.72898

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.1348 | 3.621 | 0.113 | 20      | 14.38     |      |      | Yes |
| 3     | 0.6158 | 16.69 | 0.452 | 20      | 14.38     |      |      | Yes |
| 4     | 1.166  | 31.52 | 0.904 | 20      | 14.38     |      |      | Yes |
| 5     | 3.053  | 82.67 | 2.26  | 20      | 14.38     |      |      | Yes |
| 6     | 6.427  | 173.5 | 4.52  | 20      | 14.38     |      |      | Yes |
| 7     | 8.167  | 220.6 | 5.65  | 20      | 14.38     |      |      | Yes |
| 8     | 17.3   | 488.1 | 11.3  | 20      | 14.38     |      |      | Yes |

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 1.21134 \cdot A - 1.14233$   
 RSD: 1.858 %  
 Correlation coefficient: 0.999883



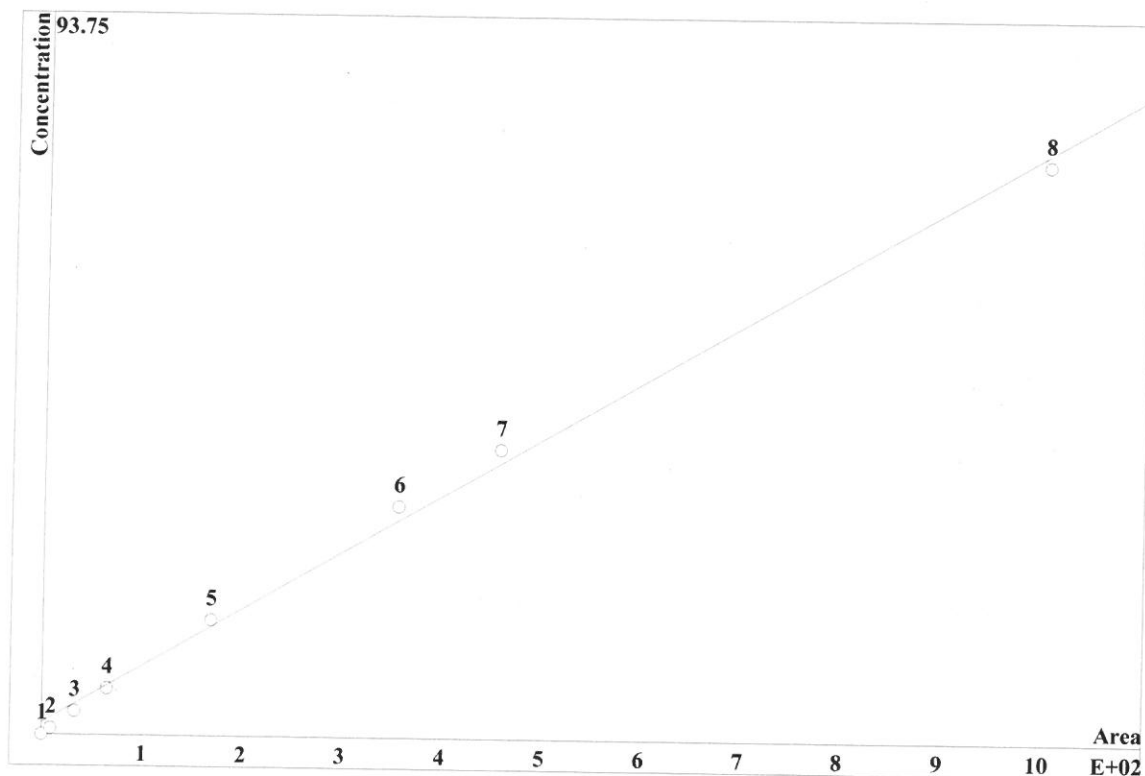
K3 = 0      K2 = 0      K1 = 1.21134      K0 = -1.14233

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height  | Area  | Conc. | Vol/Dil | Retention | Used | File |
|-------|---------|-------|-------|---------|-----------|------|------|
| 1     | 0       | 0     | 0     | 0       | 0         |      | No   |
| 2     | 0.05694 | 3.264 | 0.242 | 20      | 20.62     |      | Yes  |
| 3     | 0.3217  | 18.08 | 0.968 | 20      | 20.62     |      | Yes  |
| 4     | 0.6419  | 35.85 | 1.936 | 20      | 20.62     |      | Yes  |
| 5     | 1.487   | 78.34 | 4.841 | 20      | 20.62     |      | Yes  |
| 6     | 3.275   | 162.6 | 9.682 | 20      | 20.62     |      | Yes  |
| 7     | 4.069   | 198.4 | 12.1  | 20      | 20.62     |      | Yes  |
| 8     | 8.754   | 401.3 | 24.21 | 20      | 20.62     |      | Yes  |

CALIBRATION OF COMPONENT SO4

Method: ANIONS 01-16-17.mtw  
 Equation:  $Q = 1.49158 \cdot A + 31.8808$   
 RSD: 6.856 %  
 Correlation coefficient: 0.998404



K3 = 0      K2 = 0      K1 = 1.49158      K0 = 31.8808

Base: Area  
 Ref.channel: Cond  
 ISTD:  
 Formula: Linear  
 Weight: 1

| Level | Height | Area  | Conc. | Vol/Dil | Retention | Used | File |     |
|-------|--------|-------|-------|---------|-----------|------|------|-----|
| 1     | 0      | 0     | 0     | 0       | 0         |      |      | No  |
| 2     | 0.1915 | 8.896 | 0.75  | 20      | 23.34     |      |      | Yes |
| 3     | 0.7434 | 32.63 | 3     | 20      | 23.34     |      |      | Yes |
| 4     | 1.487  | 64.91 | 6     | 20      | 23.34     |      |      | Yes |
| 5     | 3.921  | 168.5 | 15    | 20      | 23.34     |      |      | Yes |
| 6     | 8.437  | 355.9 | 30    | 20      | 23.34     |      |      | Yes |
| 7     | 10.92  | 457.1 | 37.5  | 20      | 23.34     |      |      | Yes |
| 8     | 24.46  | 1005  | 75    | 20      | 23.34     |      |      | Yes |

Report date: 1/17/2017 5:10:24 PM  
Printed by: wet

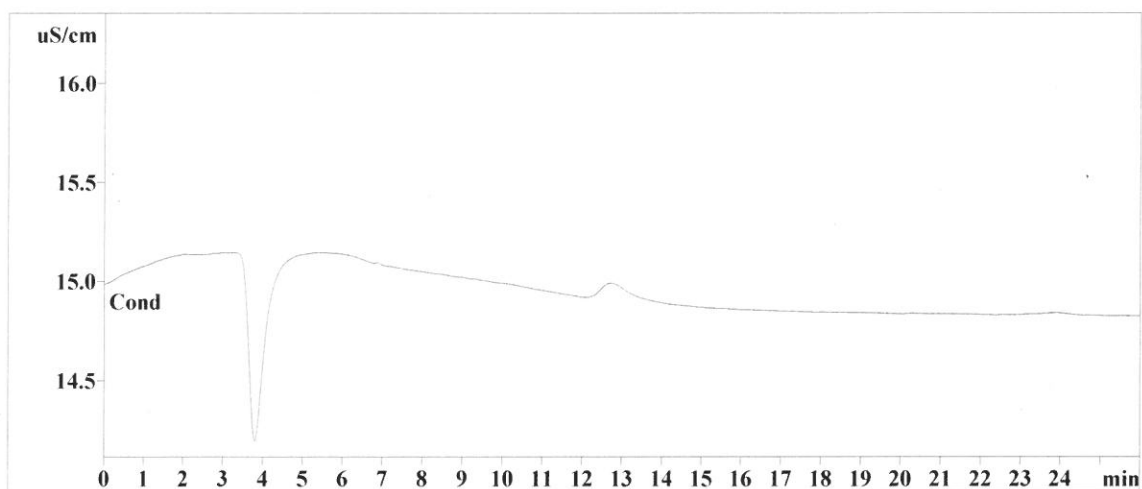
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Analysis from: 1/16/2017 10:57:53 AM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:10:06 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56540

Last save: 1/17/2017 5:10:18 PM

SAMPLE:  
: AP/AK  
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: 1/17/2017 5:10:48 PM  
Printed by: wet

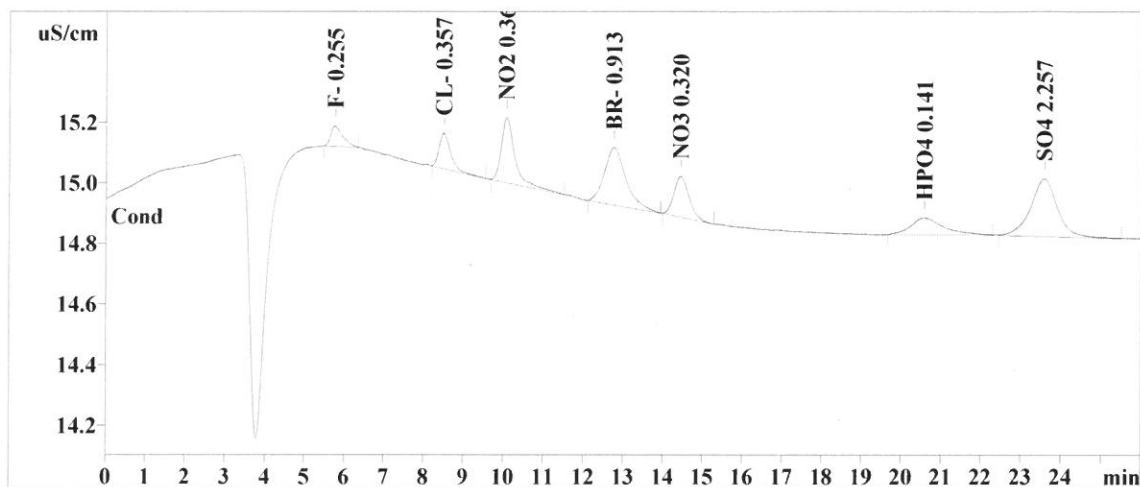
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Analysis from: 1/16/2017 11:26:51 AM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56541

Last save: 1/17/2017 5:10:48 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.77             | 0.312          | 0.07            | 6.95        | 1.415             | 4.44      | 0. |
| 2  | 8.49             | 0.288          | 0.12            | 12.03       | 2.338             | 7.34      | 0. |
| 3  | 10.08            | 0.327          | 0.22            | 22.07       | 5.168             | 16.23     | 0. |
| 4  | 12.75            | 0.555          | 0.19            | 19.43       | 7.148             | 22.44     | 0. |
| 5  | 14.44            | 0.413          | 0.13            | 13.78       | 3.621             | 11.37     | 0. |
| 6  | 20.57            | 0.815          | 0.06            | 5.75        | 3.264             | 10.25     | 0. |
| 7  | 23.57            | 0.663          | 0.19            | 19.57       | 8.896             | 27.93     | 0. |
| 7  | 26.00            | 0.482          | 0.97            | 99.56       | 31.849            | 100.00    | 0. |

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Report date: 1/17/2017 5:11:03 PM  
Printed by: wet

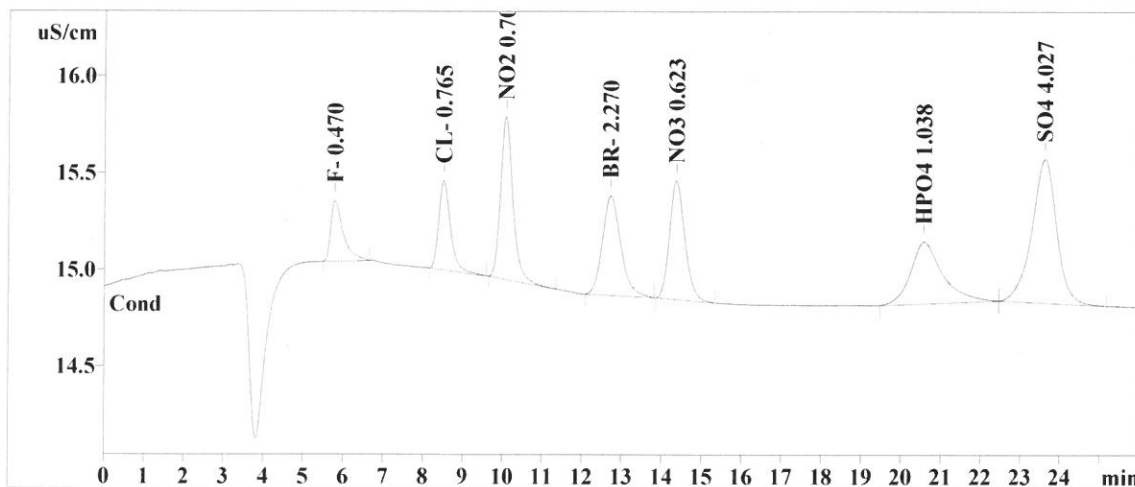
Ident: STD3  
Analysis from: 1/16/2017 11:55:49 AM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56542

Last save: 1/17/2017 5:11:04 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.79             | 0.302          | 0.31            | 8.24        | 6.744             | 5.70      | 0. |
| 2  | 8.51             | 0.292          | 0.46            | 12.09       | 9.228             | 7.79      | 0. |
| 3  | 10.07            | 0.320          | 0.84            | 21.98       | 18.327            | 15.48     | 0. |
| 4  | 12.71            | 0.488          | 0.52            | 13.54       | 16.720            | 14.12     | 0. |
| 5  | 14.35            | 0.411          | 0.62            | 16.14       | 16.694            | 14.10     | 0. |
| 6  | 20.56            | 0.780          | 0.32            | 8.43        | 18.083            | 15.27     | 0. |
| 7  | 23.60            | 0.643          | 0.74            | 19.49       | 32.625            | 27.55     | 0. |
| 7  | 26.00            | 0.462          | 3.81            | 99.90       | 118.420           | 100.00    | 0. |

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Report date: 1/17/2017 5:11:17 PM  
Printed by: wet

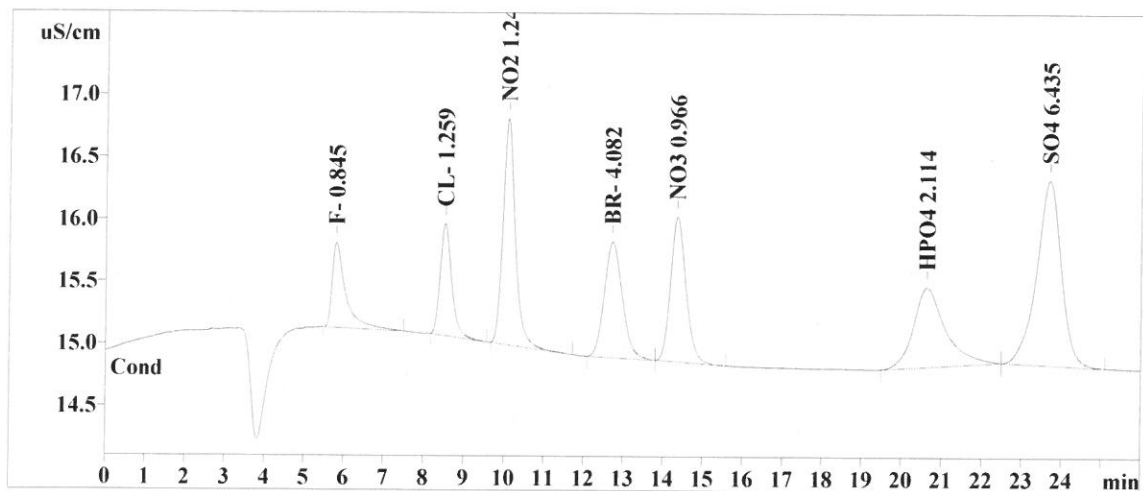
Ident: STD4  
Analysis from: 1/16/2017 12:24:47 PM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56543

Last save: 1/17/2017 5:11:18 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.81             | 0.301          | 0.69            | 8.99        | 16.060            | 6.84      | 0. |
| 2  | 8.52             | 0.289          | 0.90            | 11.79       | 17.570            | 7.48      | 0. |
| 3  | 10.08            | 0.317          | 1.82            | 23.82       | 39.410            | 16.78     | 0. |
| 4  | 12.72            | 0.488          | 0.93            | 12.20       | 29.506            | 12.57     | 0. |
| 5  | 14.34            | 0.409          | 1.16            | 15.27       | 31.517            | 13.42     | 0. |
| 6  | 20.62            | 0.780          | 0.64            | 8.40        | 35.846            | 15.27     | 0. |
| 7  | 23.68            | 0.641          | 1.49            | 19.49       | 64.907            | 27.64     | 0. |
| 7  | 26.00            | 0.460          | 7.63            | 99.96       | 234.817           | 100.00    | 0. |

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Report date: 1/17/2017 5:13:28 PM  
Printed by: wet

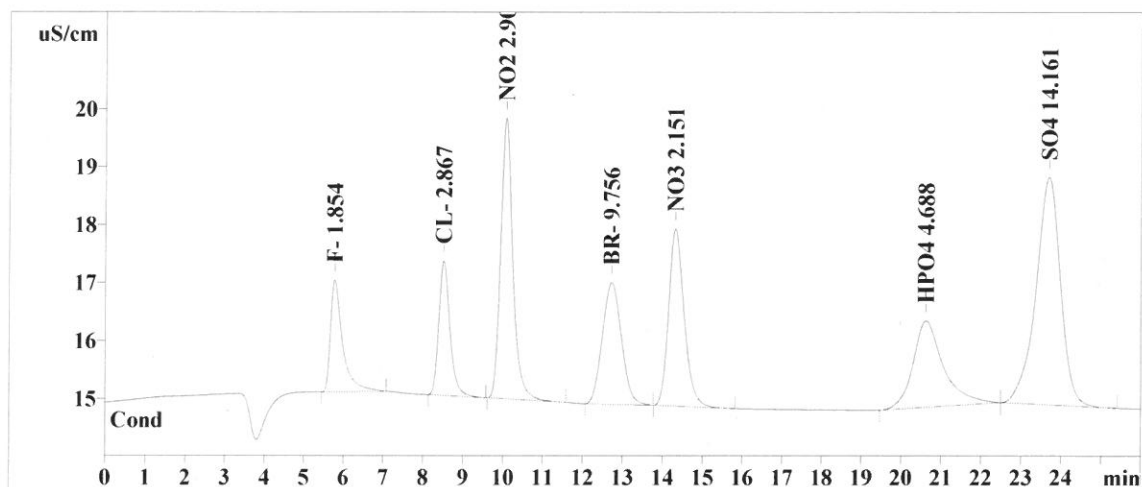
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Analysis from: 1/16/2017 12:53:45 PM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56544

Last save: 1/17/2017 5:13:28 PM

SAMPLE:  
: AP/AK  
Vial number: 6  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.78             | 0.291          | 1.92            | 9.79        | 41.094            | 6.98      | 0. |
| 2  | 8.51             | 0.285          | 2.31            | 11.79       | 44.734            | 7.60      | 0. |
| 3  | 10.06            | 0.313          | 4.84            | 24.65       | 103.765           | 17.63     | 0. |
| 4  | 12.72            | 0.522          | 2.09            | 10.67       | 69.538            | 11.81     | 0. |
| 5  | 14.31            | 0.406          | 3.05            | 15.55       | 82.669            | 14.04     | 0. |
| 6  | 20.62            | 0.730          | 1.49            | 7.57        | 78.340            | 13.31     | 0. |
| 7  | 23.69            | 0.632          | 3.92            | 19.97       | 168.504           | 28.63     | 0. |
| 7  | 26.00            | 0.454          | 19.63           | 99.98       | 588.645           | 100.00    | 0. |

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Report date: 1/17/2017 5:13:44 PM  
Printed by: wet

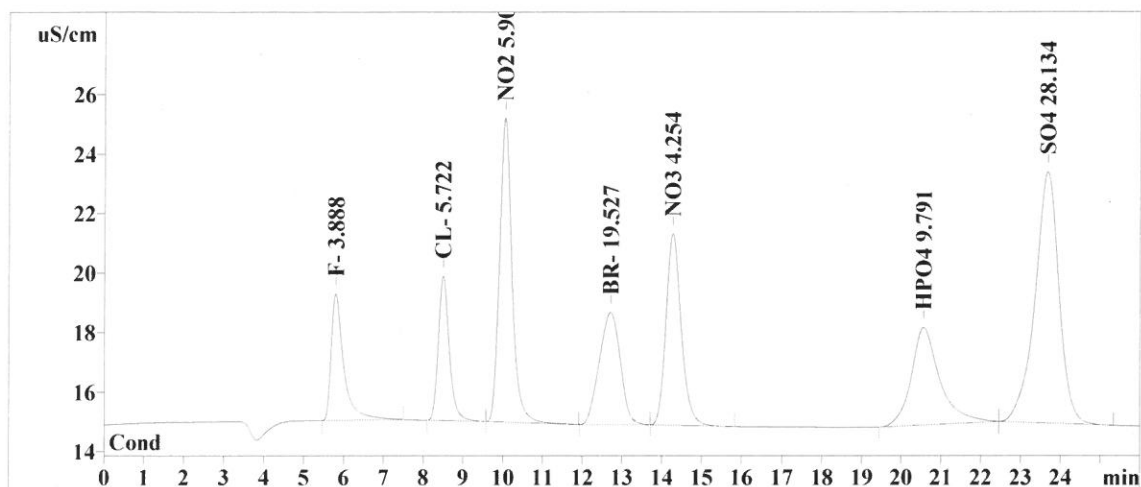
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Analysis from: 1/16/2017 1:22:43 PM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56545

Last save: 1/17/2017 5:13:44 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.80             | 0.291          | 4.24            | 10.29       | 91.575            | 7.41      | 0. |
| 2  | 8.49             | 0.282          | 4.85            | 11.76       | 92.981            | 7.52      | 0. |
| 3  | 10.04            | 0.315          | 10.21           | 24.77       | 220.648           | 17.86     | 0. |
| 4  | 12.71            | 0.589          | 3.77            | 9.14        | 138.479           | 11.21     | 0. |
| 5  | 14.27            | 0.407          | 6.43            | 15.60       | 173.487           | 14.04     | 0. |
| 6  | 20.56            | 0.684          | 3.27            | 7.95        | 162.600           | 13.16     | 0. |
| 7  | 23.67            | 0.619          | 8.44            | 20.48       | 355.863           | 28.80     | 0. |
| 7  | 26.00            | 0.455          | 41.20           | 99.99       | 1235.633          | 100.00    | 0. |

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Report date: 1/17/2017 5:14:01 PM  
 Printed by: wet

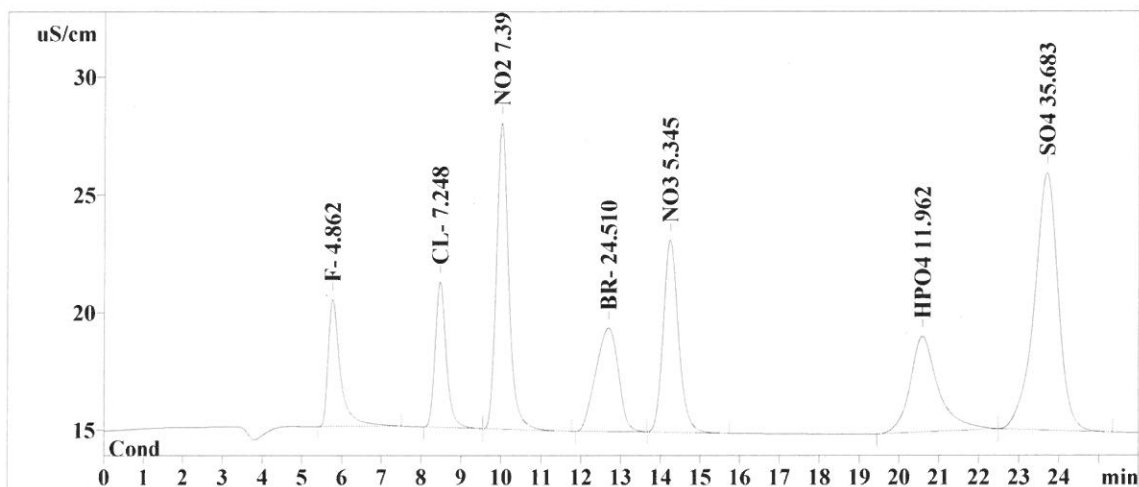
Ident: STD7  
 Analysis from: 1/16/2017 1:51:42 PM  
 File: \_2017-01-16\_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw  
 Run operator: wet  
 Analysis number: 56546

Last save: 1/17/2017 5:14:00 PM

SAMPLE:  
 : AP/AK  
 Vial number: 8  
 Volume: 20.0 µL  
 Dilution: 1.00  
 Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.77             | 0.290          | 5.40            | 10.35       | 115.750           | 7.41      | 0. |
| 2  | 8.47             | 0.283          | 6.18            | 11.85       | 118.761           | 7.60      | 0. |
| 3  | 10.01            | 0.313          | 13.00           | 24.93       | 278.261           | 17.81     | 0. |
| 4  | 12.68            | 0.637          | 4.41            | 8.45        | 173.632           | 11.11     | 0. |
| 5  | 14.23            | 0.408          | 8.17            | 15.66       | 220.575           | 14.12     | 0. |
| 6  | 20.58            | 0.672          | 4.07            | 7.80        | 198.440           | 12.70     | 0. |
| 7  | 23.69            | 0.615          | 10.92           | 20.95       | 457.081           | 29.25     | 0. |
| 7  | 26.00            | 0.459          | 52.14           | 100.00      | 1562.500          | 100.00    | 0. |

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Report date: 1/17/2017 5:14:22 PM  
Printed by: wet

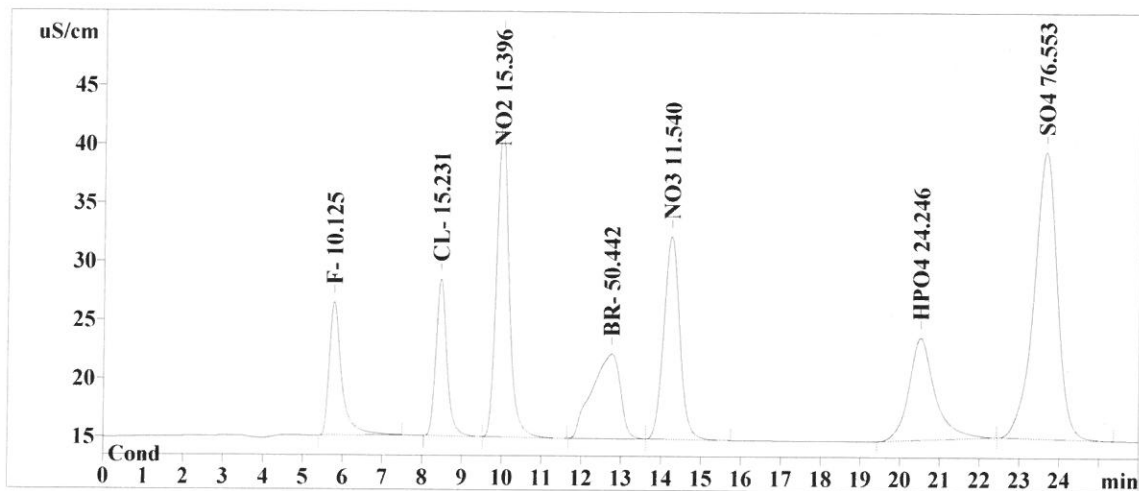
Ident: STD8  
Analysis from: 1/16/2017 2:20:40 PM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:14:20 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56547

Last save: 1/17/2017 5:14:22 PM

SAMPLE:  
: AP/AK  
Vial number: 9  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.78             | 0.298          | 11.40           | 10.42       | 246.340           | 7.37      | 0. |
| 2  | 8.45             | 0.278          | 13.41           | 12.26       | 253.645           | 7.59      | 0. |
| 3  | 9.98             | 0.324          | 26.80           | 24.50       | 589.458           | 17.65     | 0. |
| 4  | 12.76            | 0.810          | 7.26            | 6.64        | 356.593           | 10.67     | 0. |
| 5  | 14.24            | 0.433          | 17.30           | 15.81       | 488.075           | 14.61     | 0. |
| 6  | 20.50            | 0.632          | 8.75            | 8.00        | 401.259           | 12.01     | 0. |
| 7  | 23.64            | 0.604          | 24.46           | 22.37       | 1005.095          | 30.09     | 0. |
| 7  | 26.00            | 0.483          | 109.38          | 100.00      | 3340.464          | 100.00    | 0. |

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Report date: 1/17/2017 5:17:12 PM  
Printed by: wet

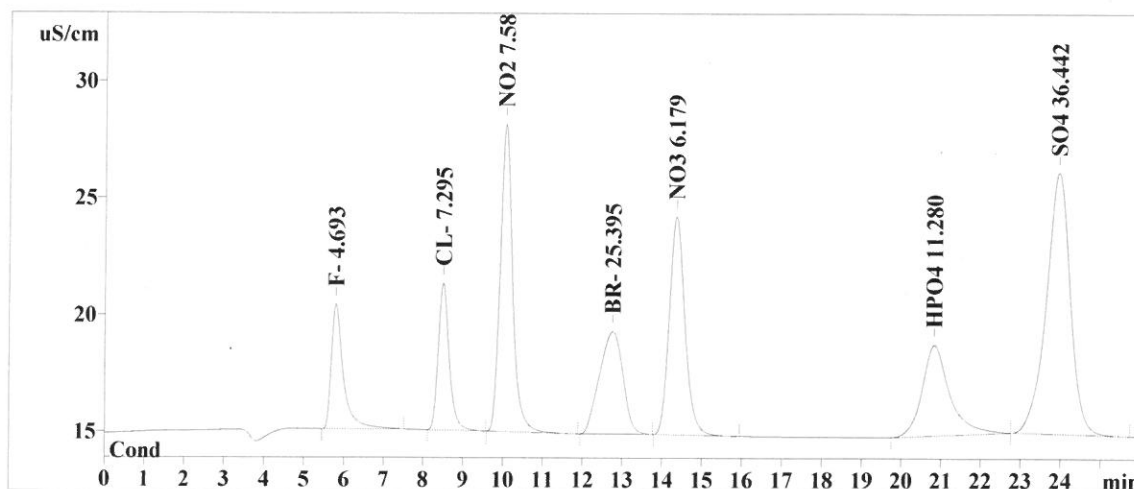
Ident: ICV  
Analysis from: 1/16/2017 3:57:58 PM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:14:52 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56550

Last save: 1/16/2017 2:17:32 PM

SAMPLE:  
: AP/AK  
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>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.79             | 0.288          | 5.32            | 9.96        | 111.545           | 6.94      | 0. |
| 2  | 8.50             | 0.281          | 6.28            | 11.74       | 119.556           | 7.44      | 0. |
| 3  | 10.05            | 0.319          | 13.13           | 24.56       | 285.699           | 17.77     | 0. |
| 4  | 12.75            | 0.668          | 4.38            | 8.20        | 179.874           | 11.19     | 0. |
| 5  | 14.35            | 0.417          | 9.31            | 17.41       | 256.587           | 15.96     | 0. |
| 6  | 20.82            | 0.667          | 3.87            | 7.24        | 187.179           | 11.64     | 0. |
| 7  | 23.94            | 0.618          | 11.17           | 20.89       | 467.264           | 29.06     | 0. |
| 7  | 26.00            | 0.465          | 53.45           | 99.99       | 1607.704          | 100.00    | 0. |

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Report date: 1/17/2017 5:18:01 PM  
Printed by: wet

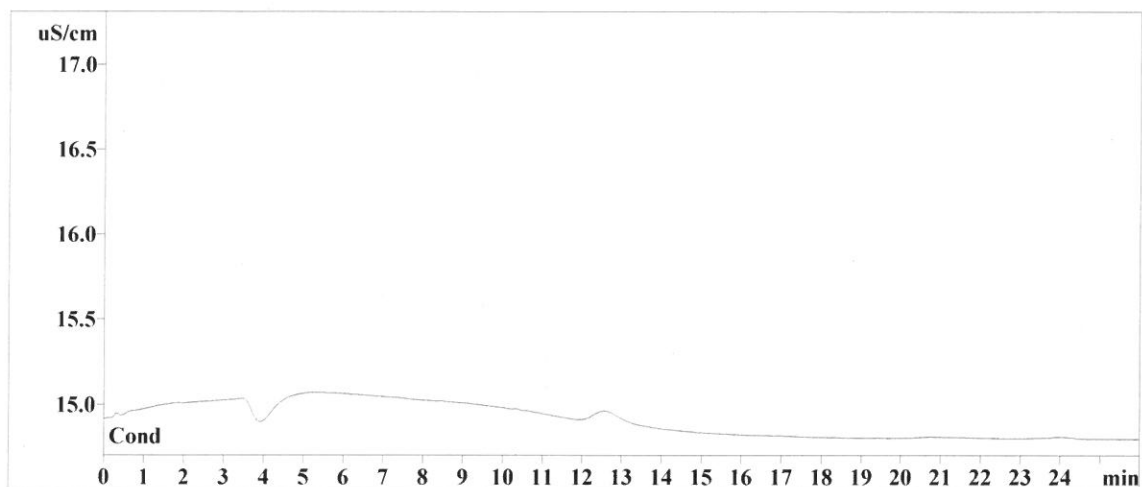
Ident: ICB  
Analysis from: 1/16/2017 4:26:56 PM  
File: \_2017-01-16\_

Last save: 1/17/2017 5:17:04 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56551

Last save: 1/16/2017 2:17:32 PM

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



Quantitation method: Custom

No peaks

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Report date: 1/26/2017 5:36:27 PM  
Printed by: wet

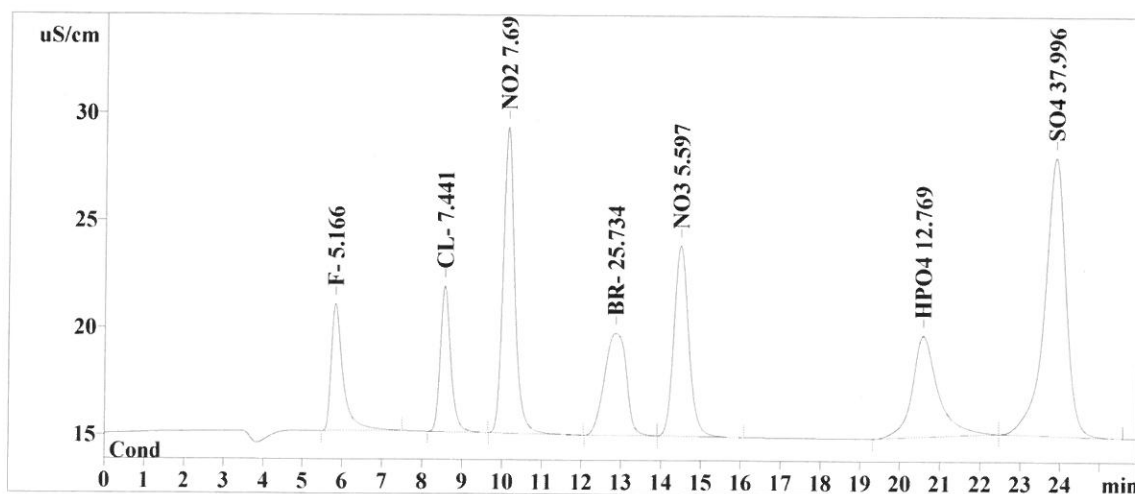
Ident: CCV  
Analysis from: 1/24/2017 11:44:47 AM  
File: \_2017-01-24\_

Last save: 1/24/2017 12:10:38 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56683

Last save: 1/19/2017 5:53:36 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.82             | 0.284          | 5.92            | 10.17       | 123.277           | 7.48      | 0. |
| 2  | 8.55             | 0.263          | 6.79            | 11.66       | 122.014           | 7.40      | 0. |
| 3  | 10.11            | 0.296          | 14.24           | 24.45       | 289.895           | 17.58     | 0. |
| 4  | 12.85            | 0.610          | 4.76            | 8.17        | 182.267           | 11.05     | 0. |
| 5  | 14.47            | 0.396          | 8.86            | 15.21       | 231.463           | 14.04     | 0. |
| 6  | 20.57            | 0.598          | 4.71            | 8.09        | 211.768           | 12.84     | 0. |
| 7  | 23.86            | 0.532          | 12.96           | 22.25       | 488.096           | 29.60     | 0. |
| 7  | 26.00            | 0.426          | 58.24           | 99.99       | 1648.780          | 100.00    | 0. |

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Report date: 1/26/2017 5:37:40 PM  
Printed by: wet

Ident: CCB  
Analysis from: 1/24/2017 12:14:06 PM  
File: \_2017-01-24\_

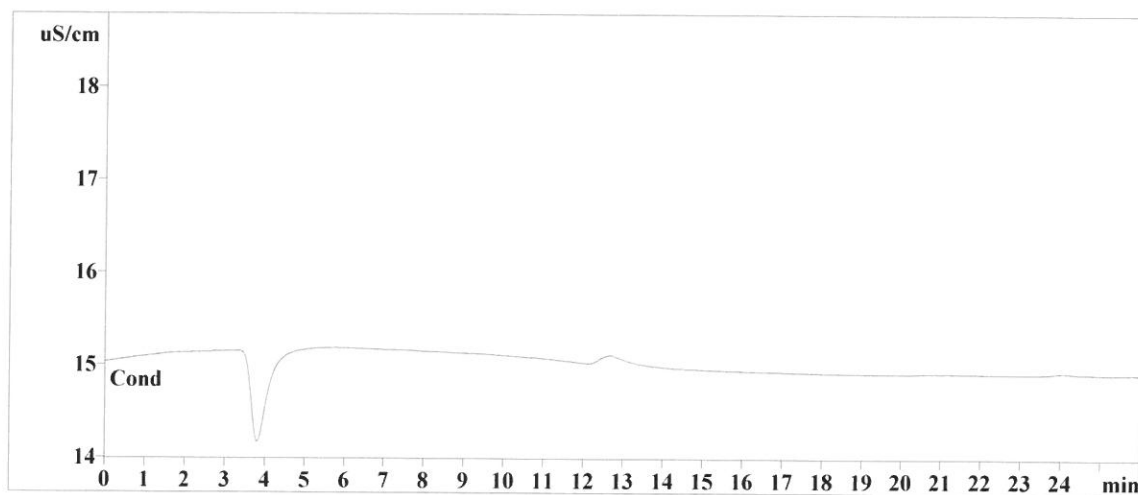
Last save: 1/26/2017 5:37:02 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56684

Last save: 1/19/2017 5:53:36 PM

SAMPLE:

: AP/AK  
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: 1/26/2017 5:46:32 PM  
Printed by: wet

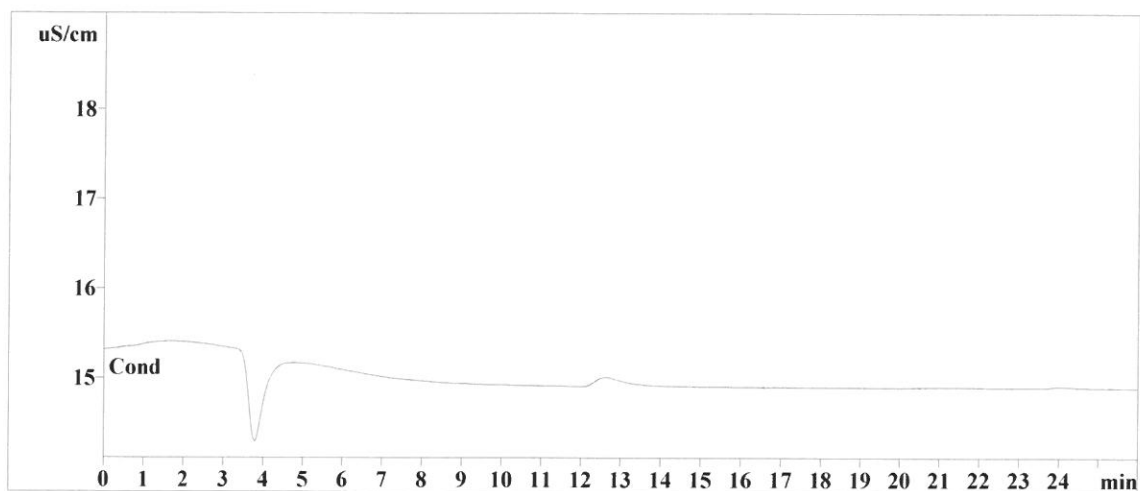
Ident: LB85529BLW  
Analysis from: 1/24/2017 12:43:04 PM  
File: \_2017-01-24\_

Last save: 1/26/2017 5:45:40 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56685

Last save: 1/19/2017 5:53:36 PM

SAMPLE:  
: AP/AK  
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: 1/26/2017 5:46:44 PM  
 Printed by: wet

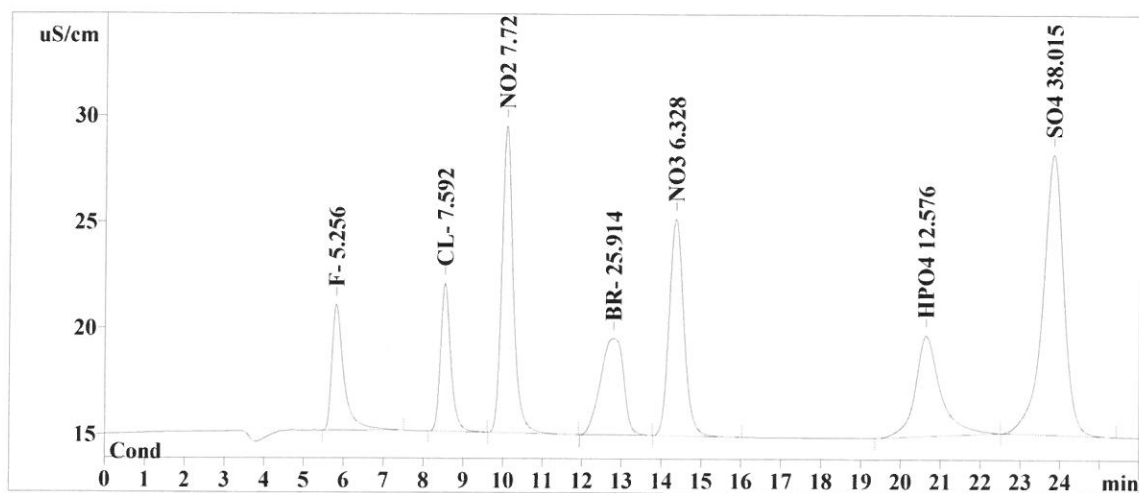
Ident: LB85529BSW  
 Analysis from: 1/24/2017 1:12:02 PM  
 File: \_2017-01-24\_

Last save: 1/26/2017 5:45:40 PM

Method: ANIONS 01-16-17.mtw  
 Run operator: wet  
 Analysis number: 56686

Last save: 1/19/2017 5:53:36 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.81             | 0.292          | 5.91            | 9.88        | 125.507           | 7.45      | 0. |
| 2  | 8.52             | 0.263          | 6.94            | 11.60       | 124.569           | 7.39      | 0. |
| 3  | 10.07            | 0.295          | 14.41           | 24.07       | 291.166           | 17.28     | 0. |
| 4  | 12.78            | 0.641          | 4.54            | 7.58        | 183.535           | 10.89     | 0. |
| 5  | 14.34            | 0.392          | 10.19           | 17.01       | 263.032           | 15.61     | 0. |
| 6  | 20.62            | 0.586          | 4.72            | 7.88        | 208.576           | 12.38     | 0. |
| 7  | 23.81            | 0.529          | 13.16           | 21.98       | 488.360           | 28.99     | 0. |
| 7  | 26.00            | 0.428          | 59.88           | 100.00      | 1684.745          | 100.00    | 0. |

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Report date: 1/26/2017 5:47:45 PM  
Printed by: wet

Ident: I1422-01  
Analysis from: 1/24/2017 4:03:30 PM  
File: \_2017-01-24\_

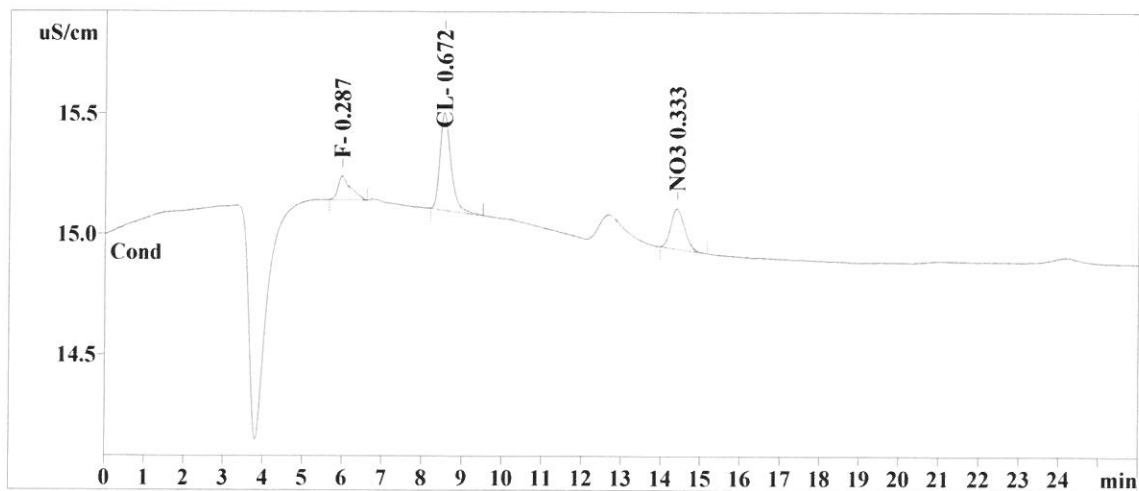
Last save: 1/26/2017 5:47:44 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56692

Last save: 1/19/2017 5:53:36 PM

SAMPLE:

: AP/AK  
Vial number: 8  
Volume: 20.0 µL  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.98             | 0.321          | 0.10            | 14.70       | 2.195             | 15.68     | 0. |
| 2  | 8.54             | 0.275          | 0.40            | 60.04       | 7.644             | 54.62     | 0. |
| 3  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 4  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 5  | 14.39            | 0.382          | 0.17            | 24.96       | 4.155             | 29.69     | 0. |
| 6  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 0.00             | 0.000          | 0.00            | 0.00        | 0.000             | 0.00      | 0. |
| 7  | 26.00            | 0.140          | 0.67            | 99.69       | 13.994            | 100.00    | 0. |

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Report date: 1/26/2017 5:48:43 PM  
Printed by: wet

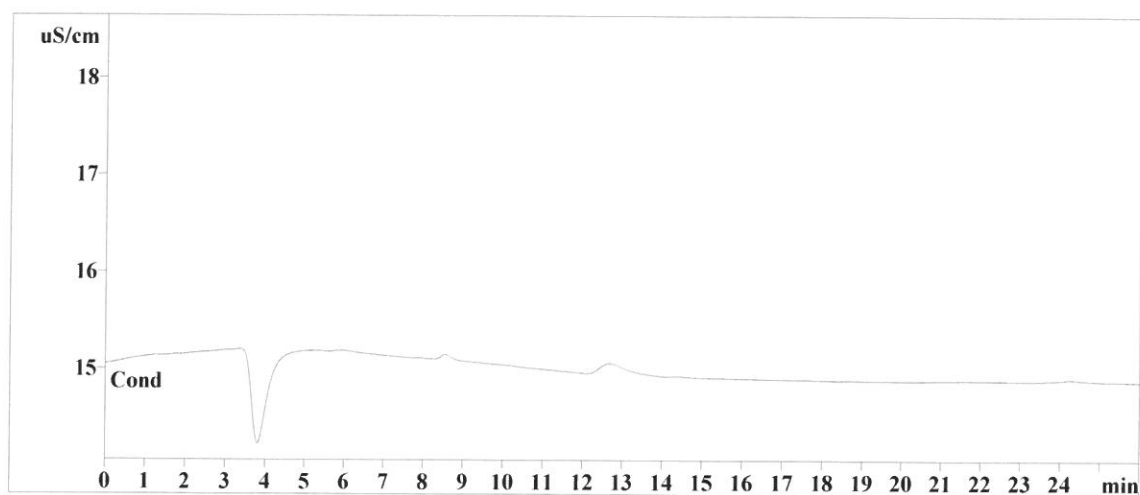
Ident: I1422-02  
Analysis from: 1/24/2017 5:01:27 PM  
File: \_2017-01-24\_

Last save: 1/26/2017 5:48:16 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56694

Last save: 1/19/2017 5:53:36 PM

SAMPLE:  
: AP/AK  
Vial number: 9  
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: 1/26/2017 5:49:00 PM  
Printed by: wet

Ident: I1422-02D  
Analysis from: 1/24/2017 5:30:25 PM  
File: \_2017-01-24\_

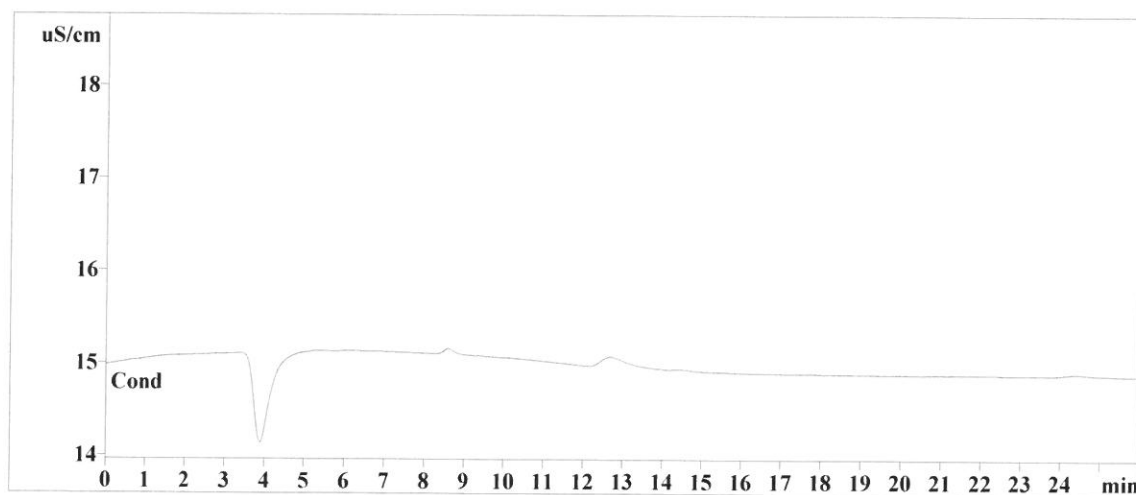
Last save: 1/26/2017 5:48:16 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56695

Last save: 1/19/2017 5:53:36 PM

SAMPLE:

: AP/AK  
Vial number: 10  
Volume: 20.0  $\mu$ L  
Dilution: 1.00  
Amount: 1.0000



Quantitation method: Custom

No peaks

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METROHM LTD

Report date: 1/26/2017 5:49:10 PM  
Printed by: wet

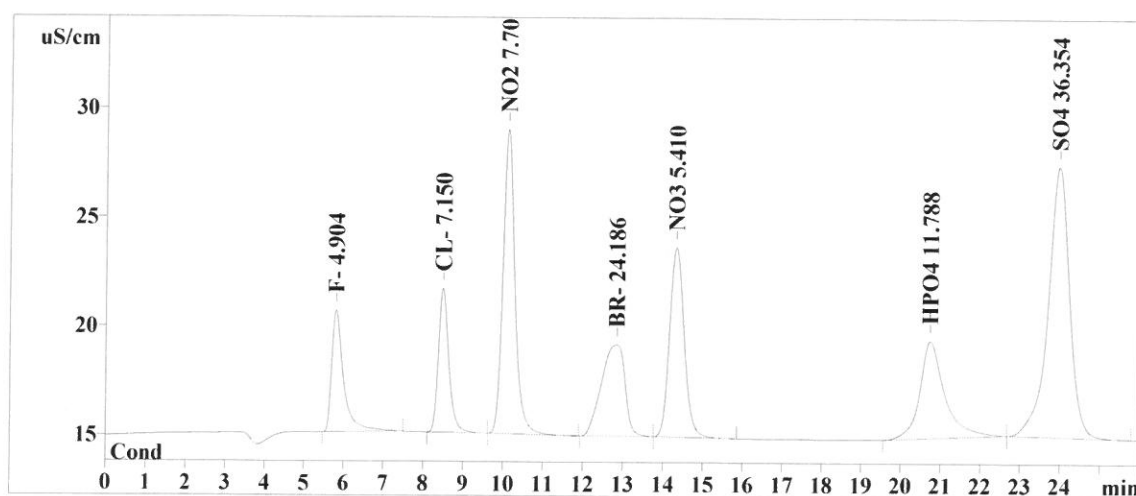
Ident: I1422-02S  
Analysis from: 1/24/2017 6:57:17 PM  
File: \_2017-01-24\_

Last save: 1/24/2017 7:23:06 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56698

Last save: 1/19/2017 5:53:36 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.80             | 0.284          | 5.57            | 9.97        | 116.772           | 7.39      | 0. |
| 2  | 8.49             | 0.260          | 6.59            | 11.81       | 117.107           | 7.41      | 0. |
| 3  | 10.10            | 0.305          | 13.95           | 24.98       | 290.460           | 18.37     | 0. |
| 4  | 12.83            | 0.650          | 4.20            | 7.51        | 171.346           | 10.84     | 0. |
| 5  | 14.32            | 0.394          | 8.68            | 15.55       | 223.410           | 14.13     | 0. |
| 6  | 20.73            | 0.584          | 4.45            | 7.97        | 195.567           | 12.37     | 0. |
| 7  | 23.96            | 0.539          | 12.41           | 22.21       | 466.088           | 29.49     | 0. |
| 7  | 26.00            | 0.431          | 55.84           | 100.00      | 1580.751          | 100.00    | 0. |

This report has been created by IC Net  
METROHM LTD

Report date: 1/26/2017 5:49:21 PM  
Printed by: wet

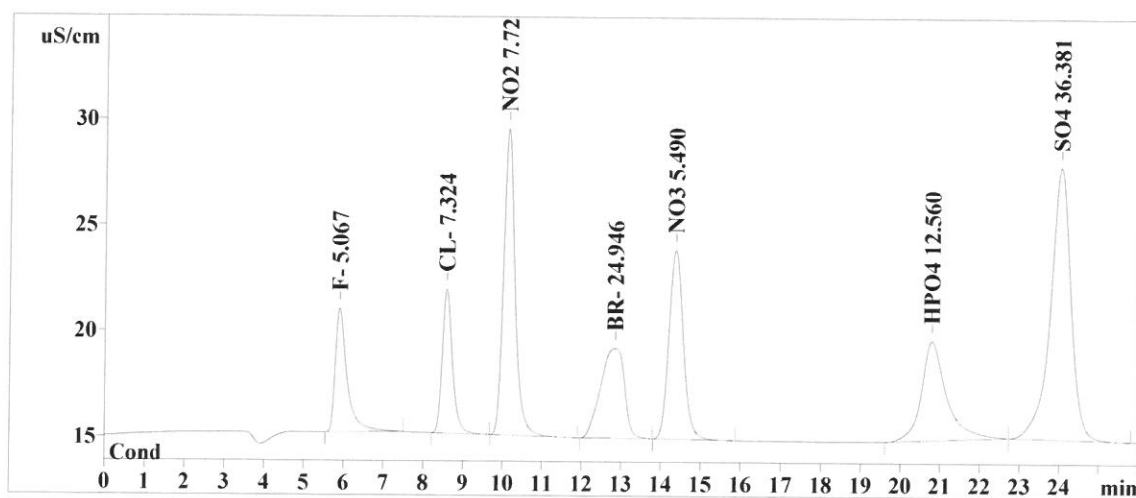
Ident: CCV  
Analysis from: 1/24/2017 7:26:13 PM  
File: \_2017-01-24\_

Last save: 1/24/2017 7:52:04 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56699

Last save: 1/19/2017 5:53:36 PM

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



Quantitation method: Custom

| No | Retention<br>min | Width/2<br>min | Height<br>uS/cm | Height<br>% | Area<br>uS/cm*sec | Area<br>% |    |
|----|------------------|----------------|-----------------|-------------|-------------------|-----------|----|
| 1  | 5.89             | 0.284          | 5.82            | 10.08       | 120.837           | 7.50      | 0. |
| 2  | 8.57             | 0.259          | 6.80            | 11.78       | 120.046           | 7.45      | 0. |
| 3  | 10.12            | 0.296          | 14.44           | 25.03       | 291.442           | 18.09     | 0. |
| 4  | 12.85            | 0.665          | 4.24            | 7.34        | 176.712           | 10.97     | 0. |
| 5  | 14.35            | 0.390          | 8.90            | 15.42       | 226.865           | 14.09     | 0. |
| 6  | 20.78            | 0.591          | 4.68            | 8.12        | 208.324           | 12.93     | 0. |
| 7  | 24.02            | 0.520          | 12.83           | 22.23       | 466.441           | 28.96     | 0. |
| 7  | 26.00            | 0.429          | 57.71           | 100.00      | 1610.665          | 100.00    | 0. |

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Report date: 1/26/2017 5:49:33 PM  
Printed by: wet

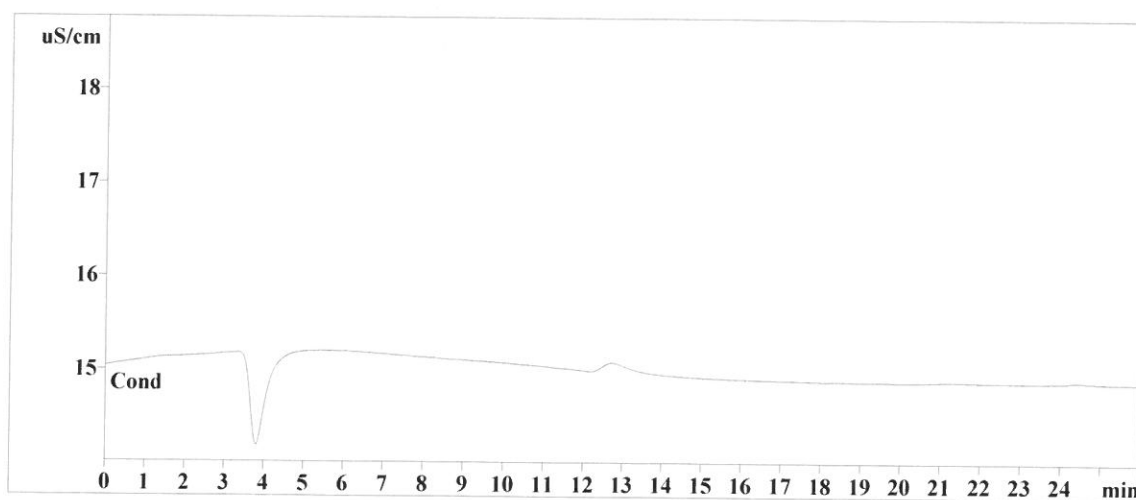
Ident: CCB  
Analysis from: 1/24/2017 7:55:10 PM  
File: \_2017-01-24\_

Last save: 1/26/2017 5:37:02 PM

Method: ANIONS 01-16-17.mtw  
Run operator: wet  
Analysis number: 56700

Last save: 1/19/2017 5:53:36 PM

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



Quantitation method: Custom

No peaks

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