IC-2 300.0

01-18-19 AR

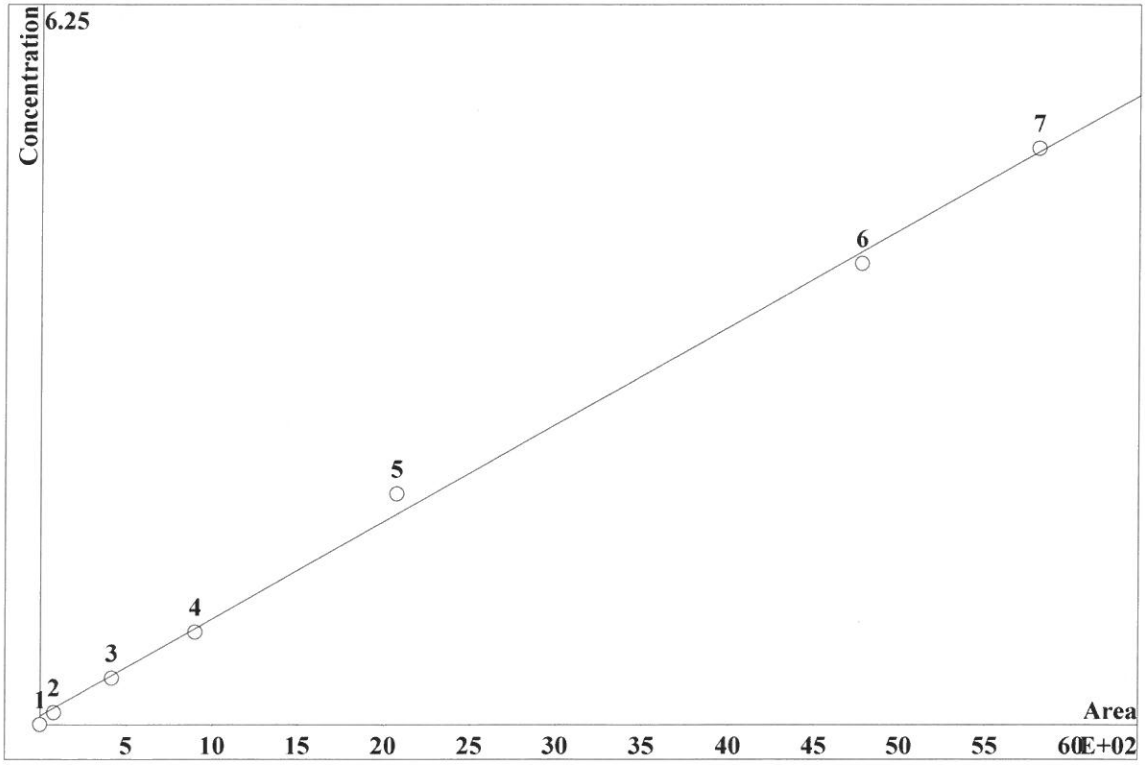
Clear table

| ident | concentration F- | concentration CL- | concentration NO2 | concentration BR- | concentration NO3 | concentration HPO4 | concentration SO4 | file name | date time | Initial wt/ Final | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STD1 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-14_ | 1/14/19 9:36 | | AK/AP |
| STD2 | 0.1430 | 0.1980 | 0.2420 | 0.7050 | 0.1810 | -0.2590 | 1.2690 | _2019-01-14_ | 1/14/19 10:07 | | AK/AP |
| STD3 | 0.4260 | 0.6270 | 0.6120 | 2.0280 | 0.5080 | 1.0820 | 3.1070 | _2019-01-14_ | 1/14/19 10:38 | | AK/AP |
| STD4 | 0.8320 | 1.2110 | 1.1910 | 4.0420 | 1.0110 | 2.4220 | 5.9540 | _2019-01-14_ | 1/14/19 11:10 | | AK/AP |
| STD5 | 1.8260 | 2.8340 | 2.8170 | 9.4550 | 2.3550 | 5.1140 | 13.9270 | _2019-01-14_ | 1/14/19 11:41 | | AK/AP |
| STD6 | 4.1030 | 6.1270 | 6.1170 | 20.4380 | 5.1130 | 10.2710 | 30.6230 | _2019-01-14_ | 1/14/19 12:13 | | AK/AP |
| STD7 | 4.9700 | 7.4540 | 7.4710 | 24.8320 | 6.2080 | 12.1190 | 37.3700 | _2019-01-14_ | 1/14/19 12:44 | | AK/AP |
| ICV | 1.9780 | 2.9140 | 2.8940 | 9.8180 | 2.4320 | 5.3910 | 14.3180 | _2019-01-14_ | 1/14/19 14:18 | | AK/AP |
| ICB | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-14_ | 1/14/19 14:54 | | AK/AP |
| CCV | 1.9780 | 2.9070 | 2.8910 | 9.8190 | 2.4270 | 4.6900 | 14.2250 | _2019-01-17_ | 1/17/19 7:53 | | AK/AP |
| CCB | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 8:34 | | AK/AP |
| LB100365BLW | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 9:05 | | AK/AP |
| LB100365BSW | 2.0260 | 2.9110 | 2.8830 | 9.7630 | 2.4270 | 5.1290 | 14.1520 | _2019-01-17_ | 1/17/19 9:37 | | AK/AP |
| K1170-01 | 0.0000 | 0.1290 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 11:09 | | AK/AP |
| K1170-01DUP | 0.0000 | 0.1100 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 11:40 | | AK/AP |
| K1170-01MS | 2.0390 | 2.8870 | 2.8110 | 9.5690 | 2.3830 | 4.7770 | 14.0660 | _2019-01-17_ | 1/17/19 12:12 | | AK/AP |
| K1170-01MSD | 2.0070 | 2.9660 | 2.8720 | 9.8150 | 2.4570 | 4.8800 | 14.3790 | _2019-01-17_ | 1/17/19 12:43 | | AK/AP |
| CCV | 1.8850 | 2.9410 | 2.9290 | 9.8910 | 2.4590 | 5.0490 | 14.2810 | _2019-01-17_ | 1/17/19 13:15 | | AK/AP |
| CCB | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 13:46 | | AK/AP |
| K1186-01 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.2830 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 14:18 | | AK/AP |
| K1186-02 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.2910 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 14:49 | | AK/AP |
| CCV | 1.9750 | 2.9110 | 2.8900 | 9.8540 | 2.4470 | 4.9610 | 14.1550 | _2019-01-17_ | 1/17/19 15:21 | | AK/AP |
| CCB | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | _2019-01-17_ | 1/17/19 15:52 | | AK/AP |

IC-2 cal
01-14-19 AR

CALIBRATION OF COMPONENT F-

Method: AnionsIC2-011419.mtw
Equation: Q = 0.016869·A + 1.47281
RSD: 5.202 %
Correlation coefficient: 0.998895



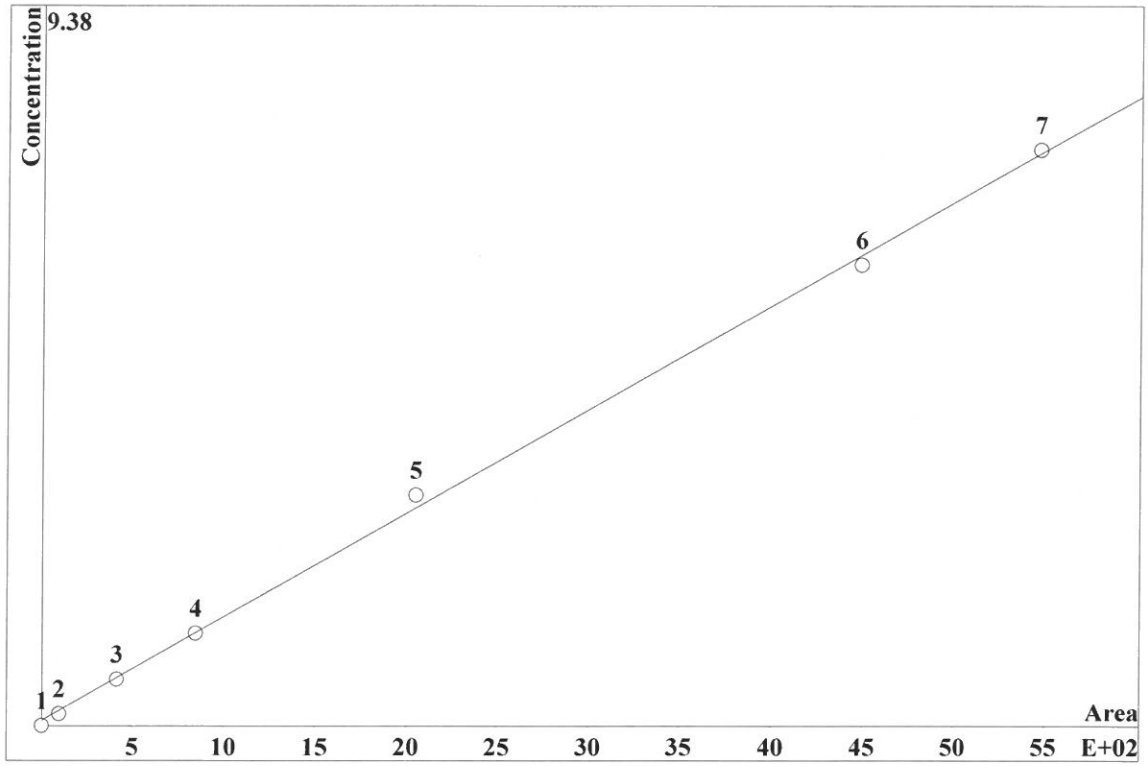

K3 = 0 K2 = 0 K1 = 0.016869 K0 = 1.47281
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | | |
| 2 | 3.546 | 82.42 | 0.1 | 20 | 5.166 | | |
| 3 | 17.91 | 417.7 | 0.4 | 20 | 5.166 | | |
| 4 | 37.75 | 899.2 | 0.8 | 20 | 5.166 | | |
| 5 | 89.09 | 2077 | 2 | 20 | 5.166 | | |
| 6 | 211.2 | 4777 | 4 | 20 | 5.166 | | |
| 7 | 247.7 | 5805 | 5 | 20 | 5.166 | | |

1.

CALIBRATION OF COMPONENT CL-

Method: AnionsIC2-011419.mtw
Equation: Q = 0.0269857·A + 1.34507
RSD: 3.592 %
Correlation coefficient: 0.999473

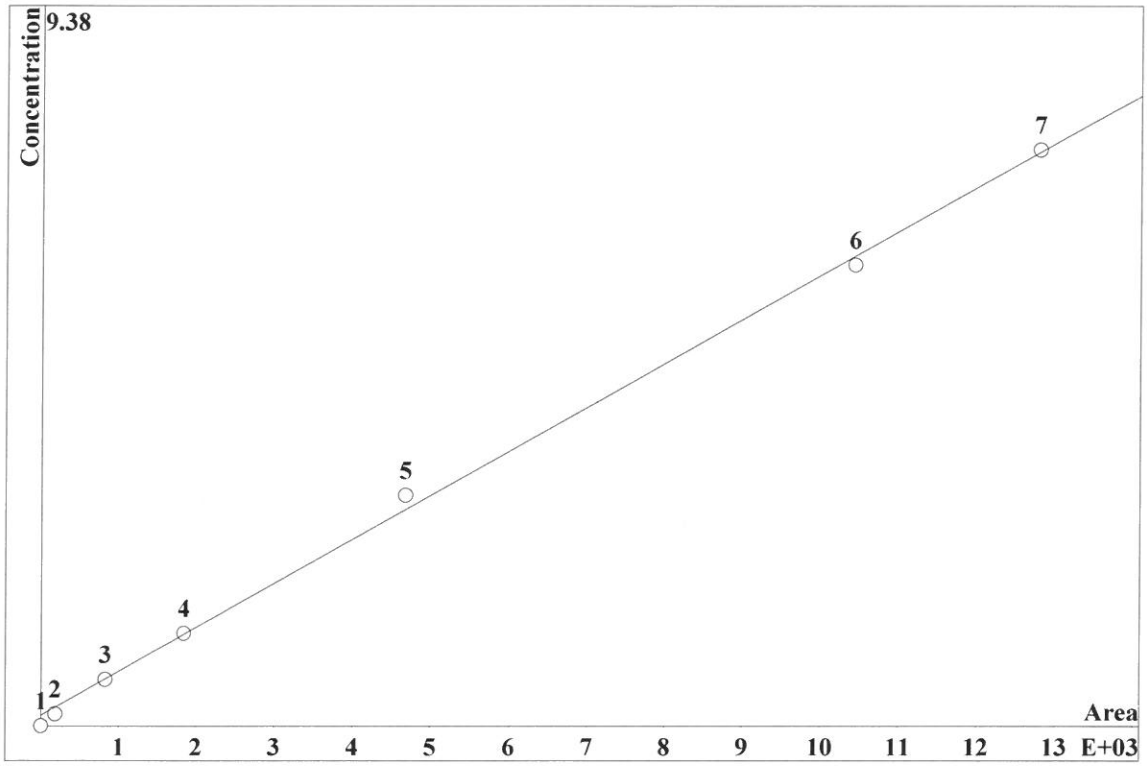



K3 = 0 K2 = 0 K1 = 0.0269857 K0 = 1.34507
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | | |
| 2 | 5.778 | 96.57 | 0.15 | 20 | 9.024 | | |
| 3 | 22.21 | 414.9 | 0.6 | 20 | 9.024 | | |
| 4 | 46.78 | 847.7 | 1.2 | 20 | 9.024 | | |
| 5 | 113.4 | 2051 | 3 | 20 | 9.024 | | |
| 6 | 253.9 | 4491 | 6 | 20 | 9.024 | | |
| 7 | 308.2 | 5474 | 7.5 | 20 | 9.024 | | |

CALIBRATION OF COMPONENT NO2

Method: AnionsIC2-011419.mtw
Equation: Q = 0.0114575·A + 2.72962
RSD: 3.869 %
Correlation coefficient: 0.999389

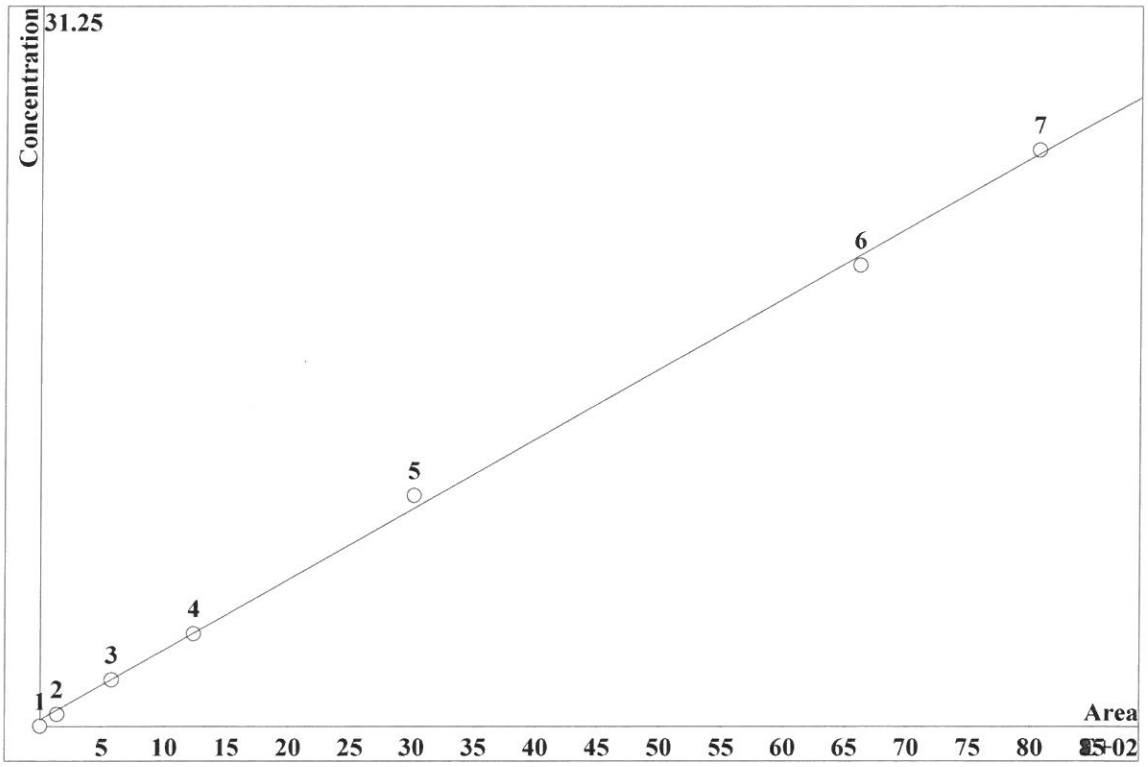



K3 = 0 K2 = 0 K1 = 0.0114575 K0 = 2.72962
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | | |
| 2 | 10.14 | 184.9 | 0.15 | 20 | 11.64 | | |
| 3 | 42.66 | 829.4 | 0.6 | 20 | 11.64 | | |
| 4 | 94.06 | 1841 | 1.2 | 20 | 11.64 | | |
| 5 | 237.6 | 4680 | 3 | 20 | 11.64 | | |
| 6 | 535.3 | 1.044e+04 | 6 | 20 | 11.64 | | |
| 7 | 650.7 | 1.28e+04 | 7.5 | 20 | 11.64 | | |

CALIBRATION OF COMPONENT BR-

Method: AnionsIC2-011419.mtw
Equation: Q = 0.060899·A + 5.50902
RSD: 3.653 %
Correlation coefficient: 0.999455

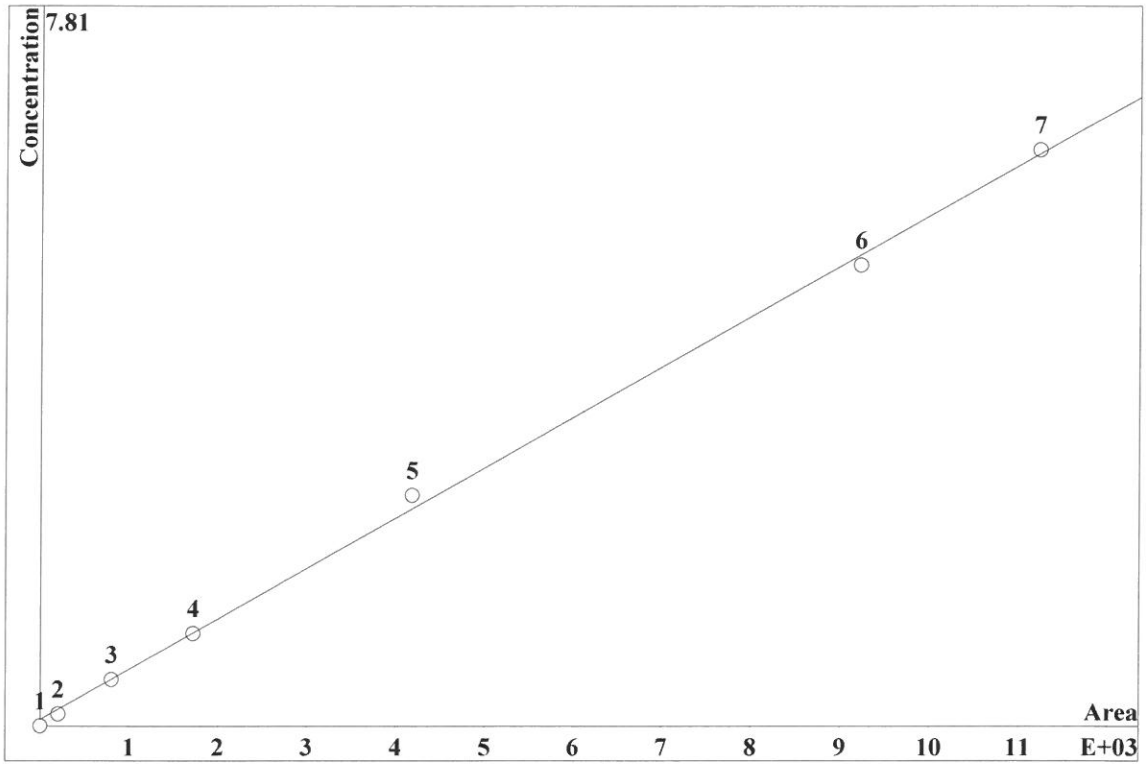



K3 = 0 K2 = 0 K1 = 0.060899 K0 = 5.50902
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | | | 0 |
| 2 | 4.875 | 141.1 | 0.5 | 20 | | | 15.43 |
| 3 | 19.57 | 575.5 | 2 | 20 | | | 15.43 |
| 4 | 41.86 | 1237 | 4 | 20 | | | 15.43 |
| 5 | 101.4 | 3015 | 10 | 20 | | | 15.43 |
| 6 | 221.3 | 6621 | 20 | 20 | | | 15.43 |
| 7 | 268.1 | 8065 | 25 | 20 | | | 15.43 |

CALIBRATION OF COMPONENT NO3

Method: AnionsIC2-011419.mtw
Equation: Q = 0.0109329·A + 1.36317
RSD: 3.838 %
Correlation coefficient: 0.999399

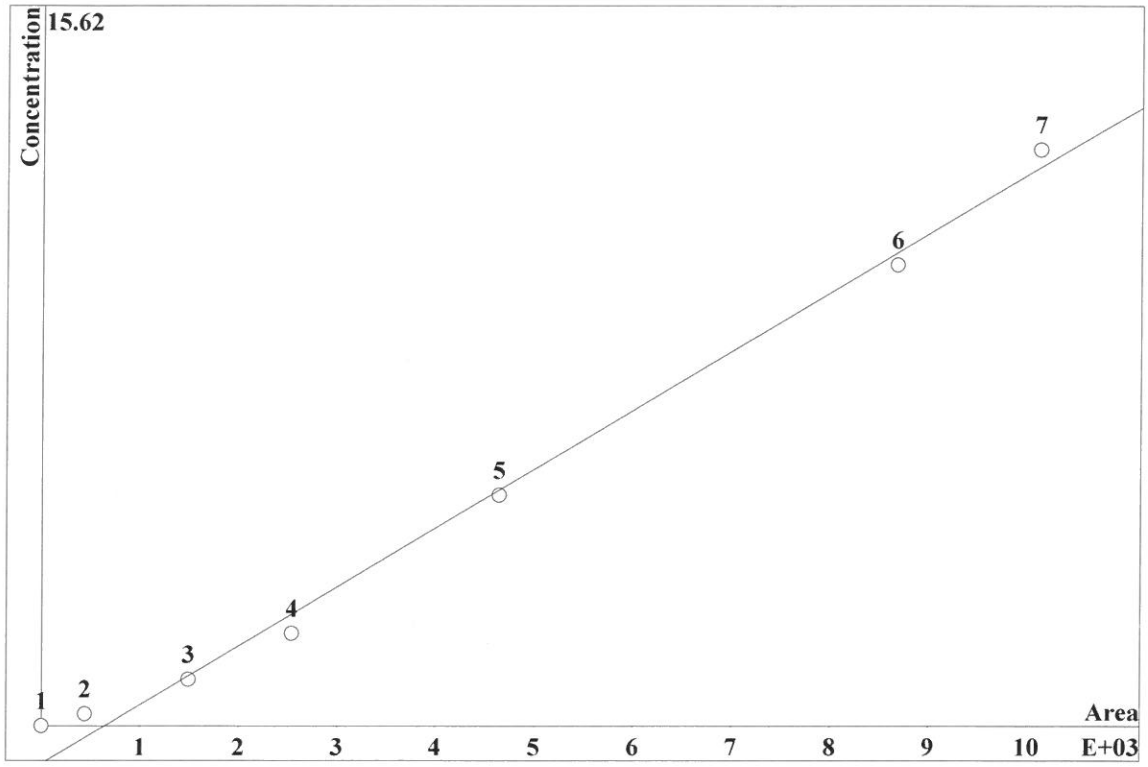



K3 = 0 K2 = 0 K1 = 0.0109329 K0 = 1.36317
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | | | 0 |
| 2 | 5.906 | 205.8 | 0.125 | 20 | | | 18.5 |
| 3 | 22.77 | 803.9 | 0.5 | 20 | | | 18.5 |
| 4 | 47.75 | 1724 | 1 | 20 | | | 18.5 |
| 5 | 112.7 | 4184 | 2.5 | 20 | | | 18.5 |
| 6 | 237.9 | 9229 | 5 | 20 | | | 18.5 |
| 7 | 285.2 | 1.123e+04 | 6.25 | 20 | | | 18.5 |

CALIBRATION OF COMPONENT HPO4

Method: AnionsIC2-011419.mtw
Equation: Q = 0.0255618·A - 16.4708
RSD: 8.017 %
Correlation coefficient: 0.997373

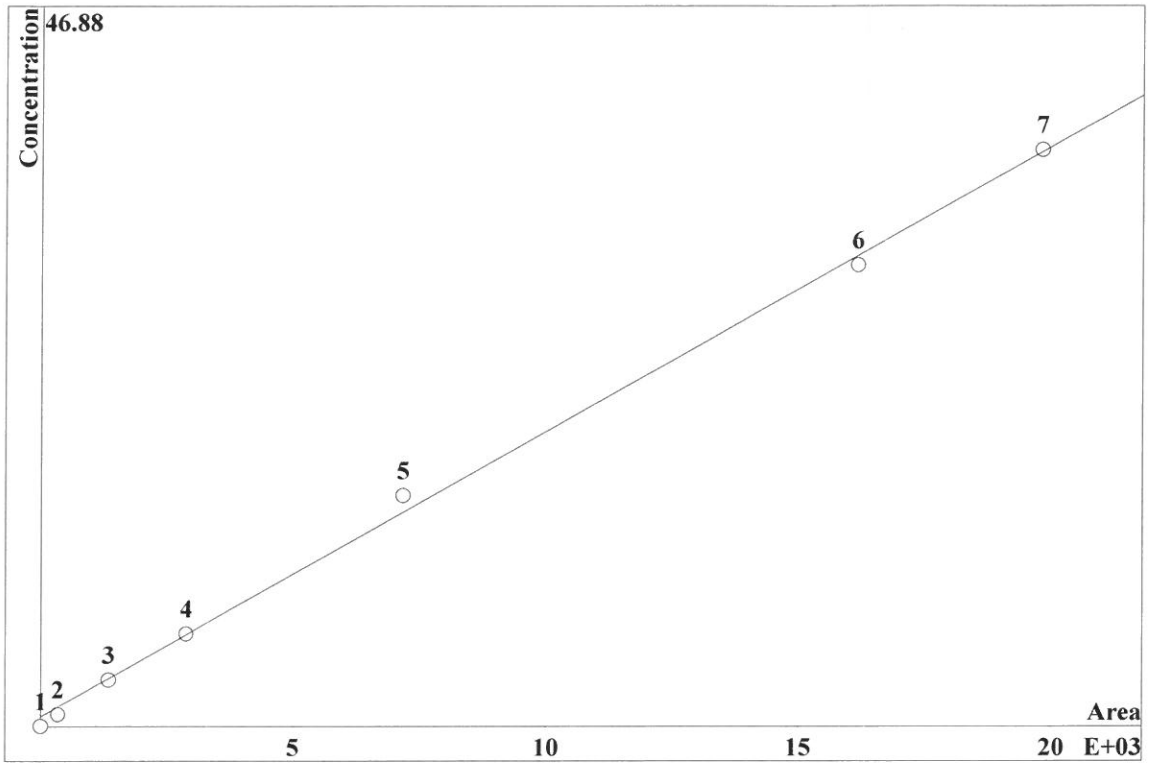



K3 = 0 K2 = 0 K1 = 0.0255618 K0 = -16.4708
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | | |
| 2 | 9.127 | 441.8 | 0.25 | 20 | 23.19 | | |
| 3 | 32.09 | 1491 | 1 | 20 | 23.19 | | |
| 4 | 55.86 | 2539 | 2 | 20 | 23.19 | | |
| 5 | 104.9 | 4646 | 5 | 20 | 23.19 | | |
| 6 | 201.7 | 8681 | 10 | 20 | 23.19 | | |
| 7 | 235.3 | 1.013e+04 | 12.5 | 20 | 23.19 | | |

CALIBRATION OF COMPONENT SO4

Method: AnionsIC2-011419.mtw
Equation: Q = 0.0371072·A + 12.502
RSD: 4.410 %
Correlation coefficient: 0.999206




K3 = 0 K2 = 0 K1 = 0.0371072 K0 = 12.502
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

| Level | Height | Area | Conc. | Vol/Dil | Retention | Used | File |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | | | 0 |
| 2 | 8.859 | 346.8 | 0.75 | 20 | | | 25.22 |
| 3 | 33.72 | 1338 | 3 | 20 | | | 25.22 |
| 4 | 71.87 | 2872 | 6 | 20 | | | 25.22 |
| 5 | 177.7 | 7170 | 15 | 20 | | | 25.22 |
| 6 | 399.8 | 1.617e+04 | 30 | 20 | | | 25.22 |
| 7 | 487.1 | 1.98e+04 | 37.5 | 20 | | | 25.22 |

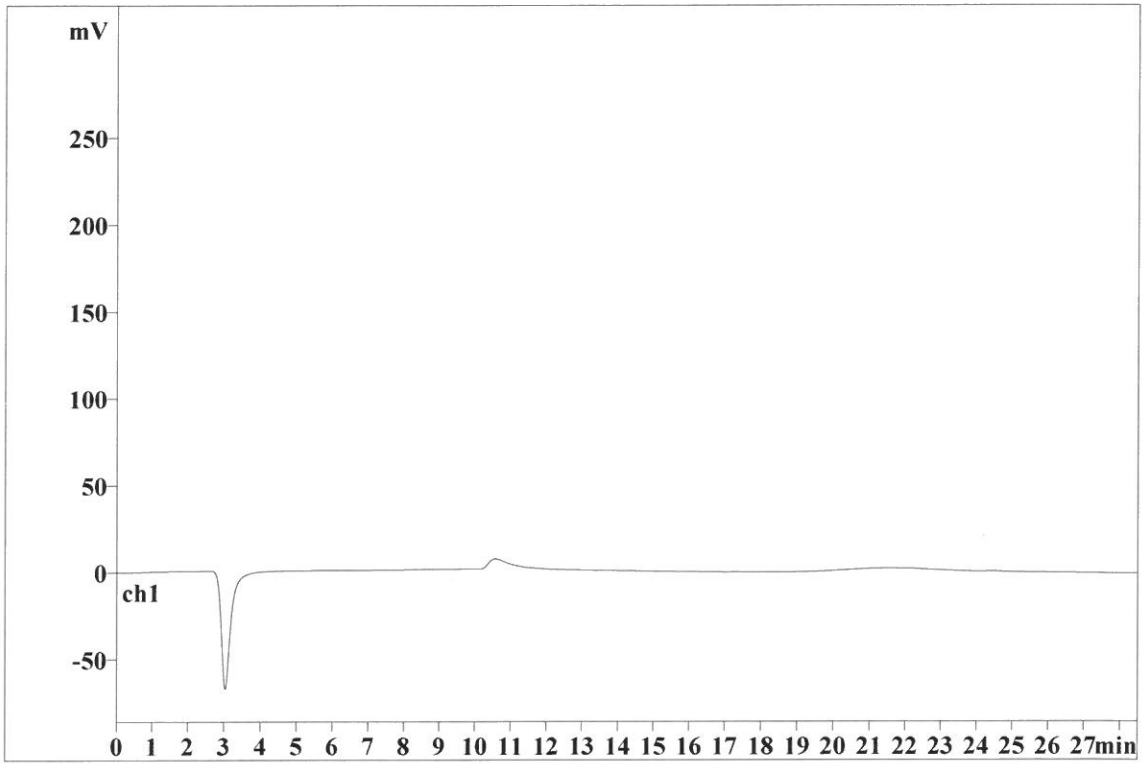
a

Report date: 1/16/2019 1:21:52 PM
Printed by: wet

Ident: STD1
Analysis from: 1/14/2019 9:36:02 AM
File: _2019-01-14_ Last save: 1/14/2019 2:23:38 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19568

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




Quantitation method: Custom

No peaks

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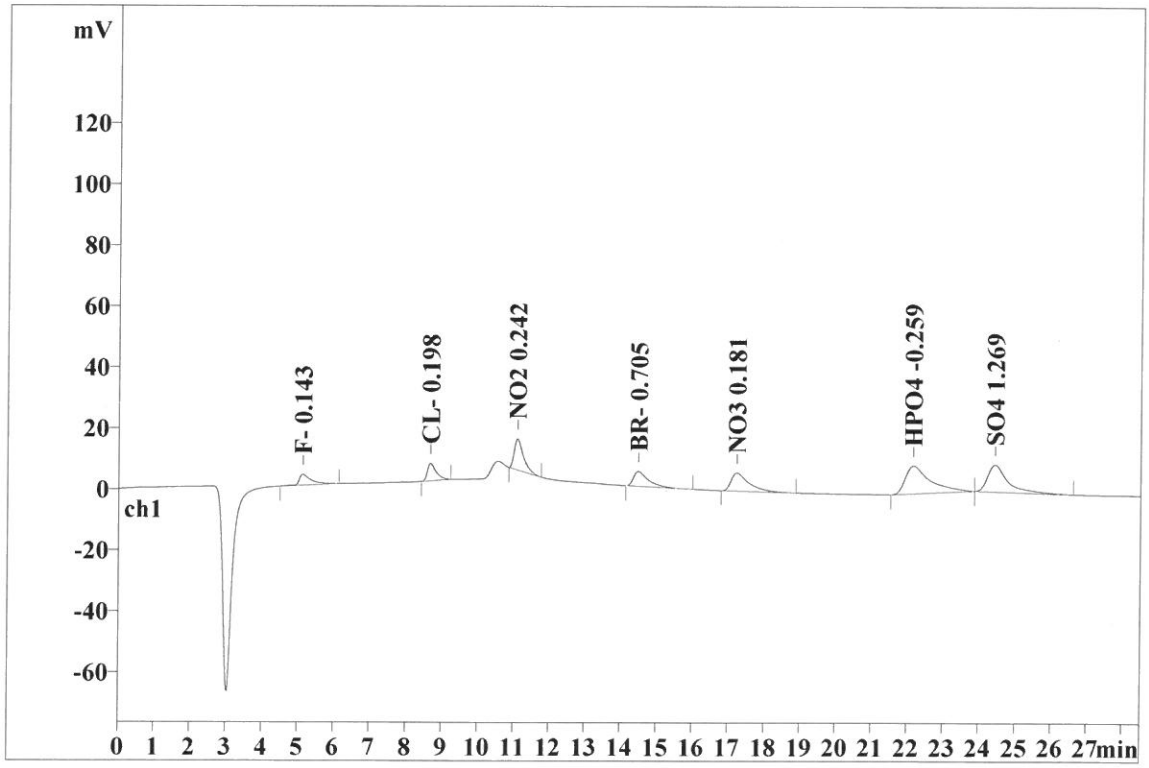
Report date: 1/16/2019 1:22:08 PM
Printed by: wet

Ident: STD2
Analysis from: 1/14/2019 10:07:27 AM
File: _2019-01-14_ Last save: 1/14/2019 2:23:38 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19569

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.13 | 0.312 | 3.54 | 7.35 | 82.422 | 5.50 |
| 2 | 8.68 | 0.245 | 5.78 | 11.98 | 96.573 | 6.44 |
| 3 | 11.11 | 0.269 | 10.14 | 21.02 | 184.913 | 12.33 |
| 4 | 14.50 | 0.409 | 4.87 | 10.11 | 141.066 | 9.41 |
| 5 | 17.25 | 0.490 | 5.90 | 12.24 | 205.756 | 13.72 |
| 6 | 22.17 | 0.660 | 9.12 | 18.92 | 441.839 | 29.47 |
| 7 | 24.45 | 0.519 | 8.86 | 18.37 | 346.844 | 23.13 |
| 7 | 28.50 | 0.415 | 48.22 | 99.99 | 1499.412 | 100.00 |

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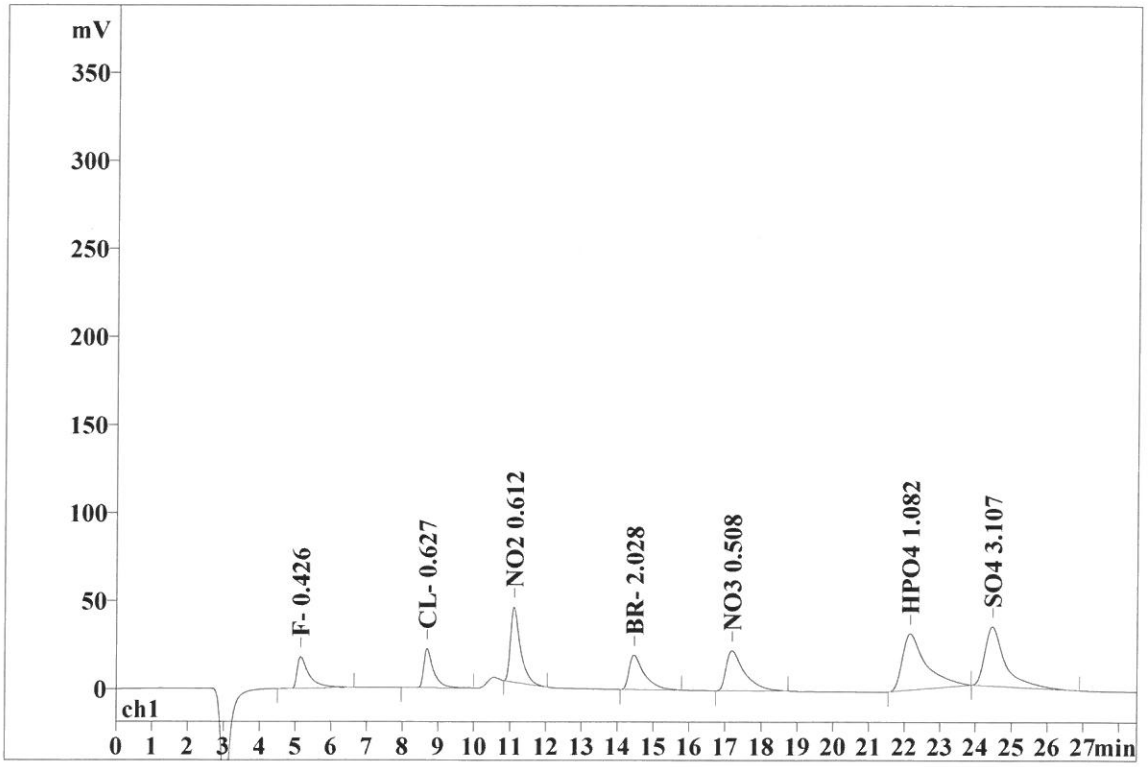
Report date: 1/16/2019 1:22:18 PM
Printed by: wet

Ident: STD3
Analysis from: 1/14/2019 10:38:53 AM
File: _2019-01-14_ Last save: 1/14/2019 2:23:38 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19570

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.14 | 0.309 | 17.90 | 9.38 | 417.671 | 7.12 |
| 2 | 8.69 | 0.257 | 22.20 | 11.63 | 414.883 | 7.07 |
| 3 | 11.11 | 0.276 | 42.66 | 22.34 | 829.437 | 14.13 |
| 4 | 14.47 | 0.414 | 19.57 | 10.25 | 575.490 | 9.80 |
| 5 | 17.19 | 0.498 | 22.77 | 11.93 | 803.895 | 13.70 |
| 6 | 22.16 | 0.621 | 32.09 | 16.81 | 1490.874 | 25.40 |
| 7 | 24.47 | 0.522 | 33.72 | 17.66 | 1337.550 | 22.79 |
| 7 | 28.50 | 0.414 | 190.91 | 99.99 | 5869.799 | 100.00 |

This report has been created by IC Net
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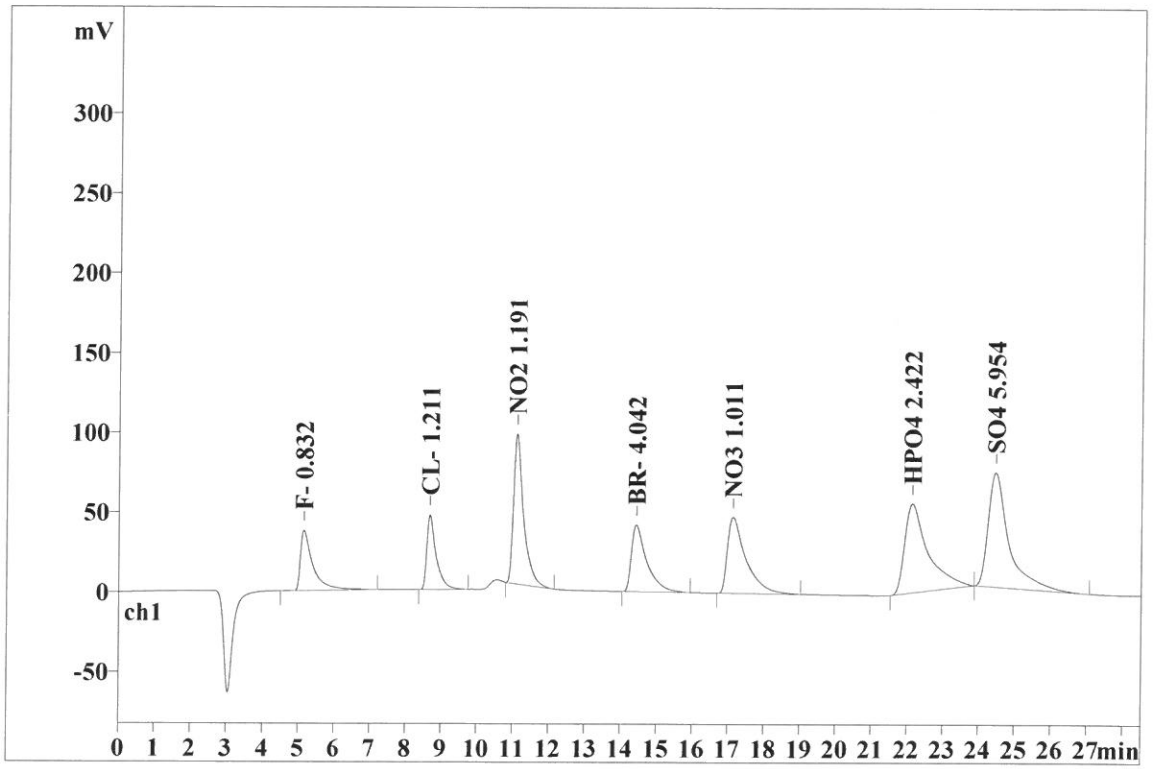
Report date: 1/16/2019 1:22:29 PM
Printed by: wet

Ident: STD4
Analysis from: 1/14/2019 11:10:19 AM
File: _2019-01-14_ Last save: 1/14/2019 2:23:38 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19571

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.15 | 0.309 | 37.75 | 9.54 | 899.176 | 7.52 |
| 2 | 8.69 | 0.252 | 46.78 | 11.81 | 847.720 | 7.09 |
| 3 | 11.12 | 0.273 | 94.06 | 23.76 | 1841.013 | 15.39 |
| 4 | 14.44 | 0.411 | 41.86 | 10.57 | 1236.963 | 10.34 |
| 5 | 17.14 | 0.503 | 47.75 | 12.06 | 1723.932 | 14.41 |
| 6 | 22.14 | 0.605 | 55.86 | 14.11 | 2539.350 | 21.23 |
| 7 | 24.47 | 0.521 | 71.87 | 18.15 | 2872.249 | 24.01 |
| 7 | 28.50 | 0.411 | 395.93 | 100.00 | 11960.404 | 100.00 |

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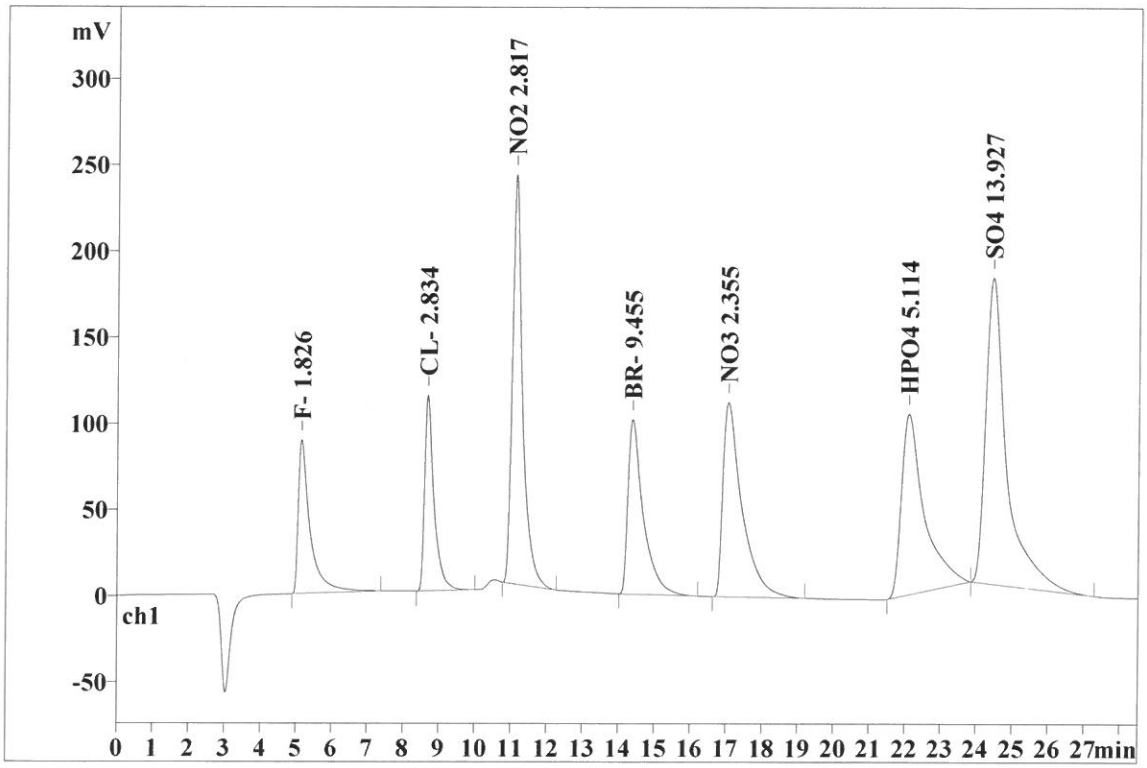
Report date: 1/16/2019 1:22:41 PM
Printed by: wet

Ident: STD5
Analysis from: 1/14/2019 11:41:45 AM
File: _2019-01-14_ Last save: 1/14/2019 2:23:38 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19572

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.15 | 0.302 | 89.09 | 9.51 | 2077.214 | 7.47 |
| 2 | 8.68 | 0.252 | 113.37 | 12.10 | 2050.544 | 7.37 |
| 3 | 11.12 | 0.272 | 237.60 | 25.37 | 4679.552 | 16.82 |
| 4 | 14.39 | 0.412 | 101.37 | 10.82 | 3014.810 | 10.84 |
| 5 | 17.06 | 0.521 | 112.67 | 12.03 | 4184.127 | 15.04 |
| 6 | 22.10 | 0.589 | 104.87 | 11.20 | 4645.880 | 16.70 |
| 7 | 24.45 | 0.520 | 177.70 | 18.97 | 7169.631 | 25.77 |
| 7 | 28.50 | 0.410 | 936.67 | 100.00 | 27821.758 | 100.00 |

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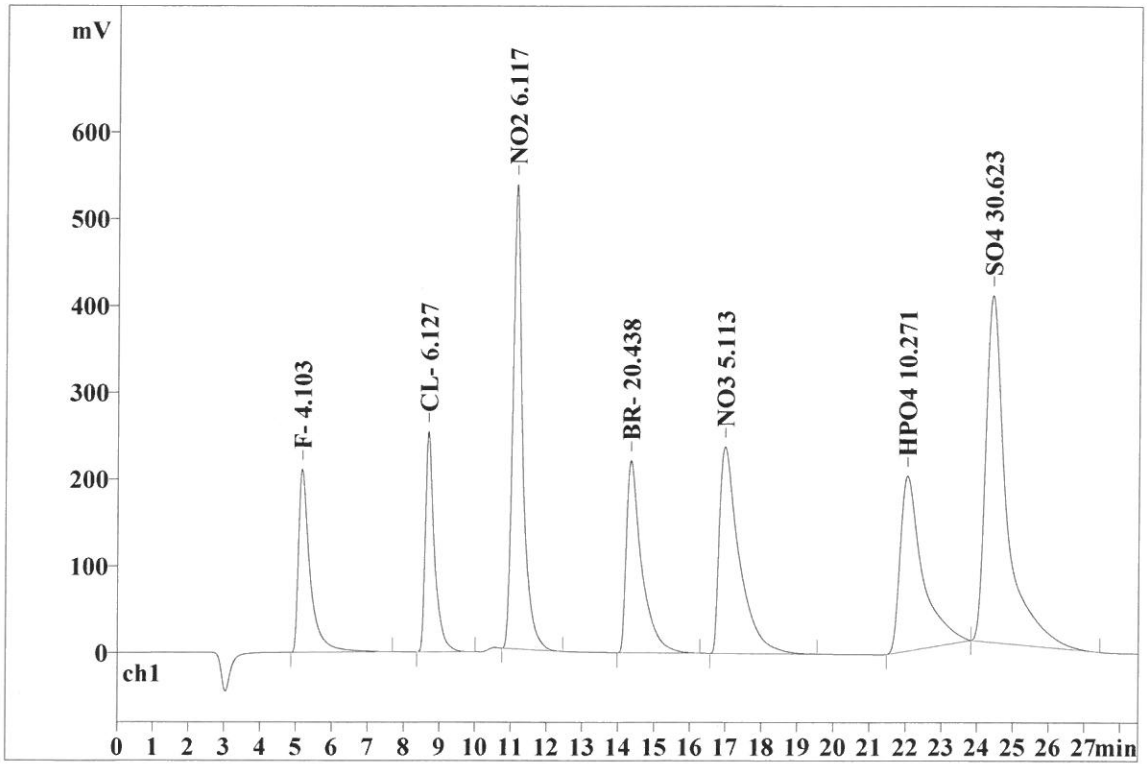
Report date: 1/16/2019 1:22:52 PM
Printed by: wet

Ident: STD6
Analysis from: 1/14/2019 12:13:10 PM
File: _2019-01-14_ Last save: 1/14/2019 2:23:38 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19573

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.16 | 0.306 | 211.24 | 10.25 | 4777.447 | 7.91 |
| 2 | 8.68 | 0.245 | 253.90 | 12.32 | 4490.724 | 7.43 |
| 3 | 11.15 | 0.267 | 535.29 | 25.97 | 10439.065 | 17.28 |
| 4 | 14.34 | 0.415 | 221.29 | 10.74 | 6621.473 | 10.96 |
| 5 | 16.98 | 0.550 | 237.87 | 11.54 | 9228.550 | 15.28 |
| 6 | 22.04 | 0.573 | 201.73 | 9.79 | 8680.861 | 14.37 |
| 7 | 24.42 | 0.519 | 399.76 | 19.40 | 16168.465 | 26.77 |
| 7 | 28.50 | 0.411 | 2061.08 | 100.00 | 60406.586 | 100.00 |

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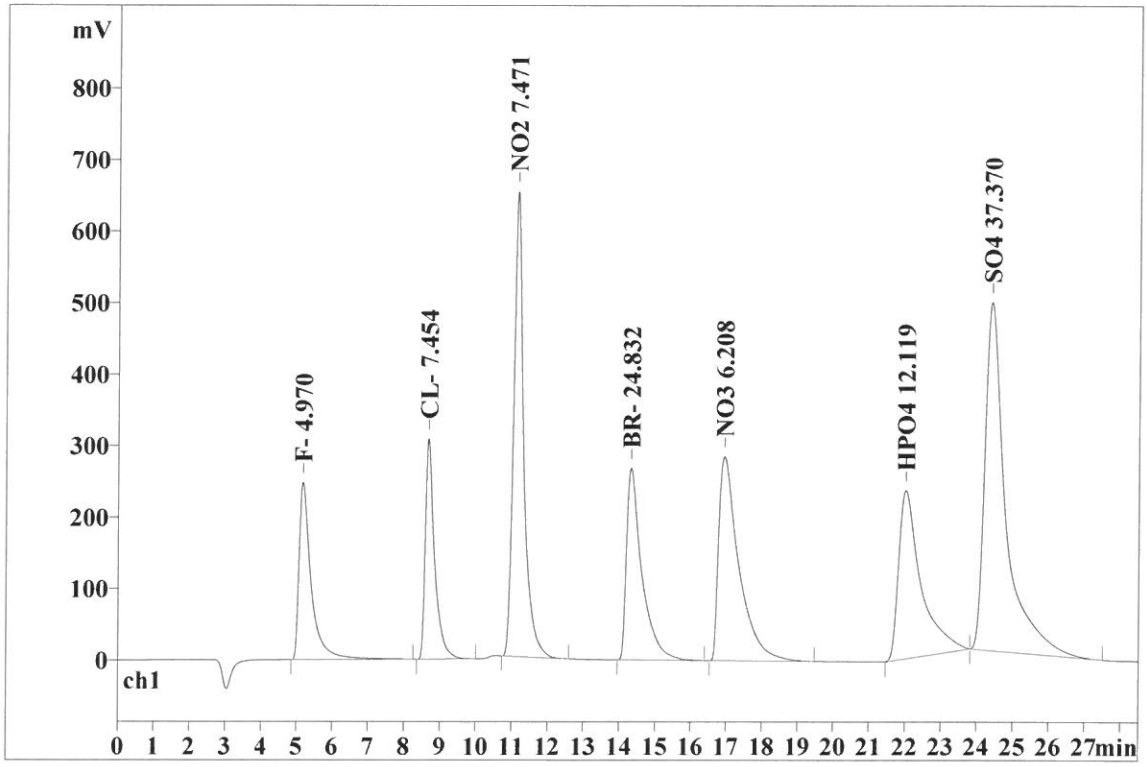
METROHM LTD

Report date: 1/16/2019 1:23:02 PM
Printed by: wet

Ident: STD7
Analysis from: 1/14/2019 12:44:35 PM
File: _2019-01-14_ Last save: 1/14/2019 2:23:53 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19574

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.17 | 0.315 | 247.64 | 9.98 | 5805.210 | 7.92 |
| 2 | 8.68 | 0.246 | 308.18 | 12.41 | 5474.401 | 7.47 |
| 3 | 11.15 | 0.269 | 650.67 | 26.21 | 12802.674 | 17.46 |
| 4 | 14.32 | 0.416 | 268.09 | 10.80 | 8064.804 | 11.00 |
| 5 | 16.94 | 0.560 | 285.20 | 11.49 | 11231.677 | 15.32 |
| 6 | 22.02 | 0.575 | 235.30 | 9.48 | 10126.698 | 13.81 |
| 7 | 24.41 | 0.522 | 487.12 | 19.62 | 19804.577 | 27.01 |
| 7 | 28.50 | 0.415 | 2482.21 | 100.00 | 73310.041 | 100.00 |

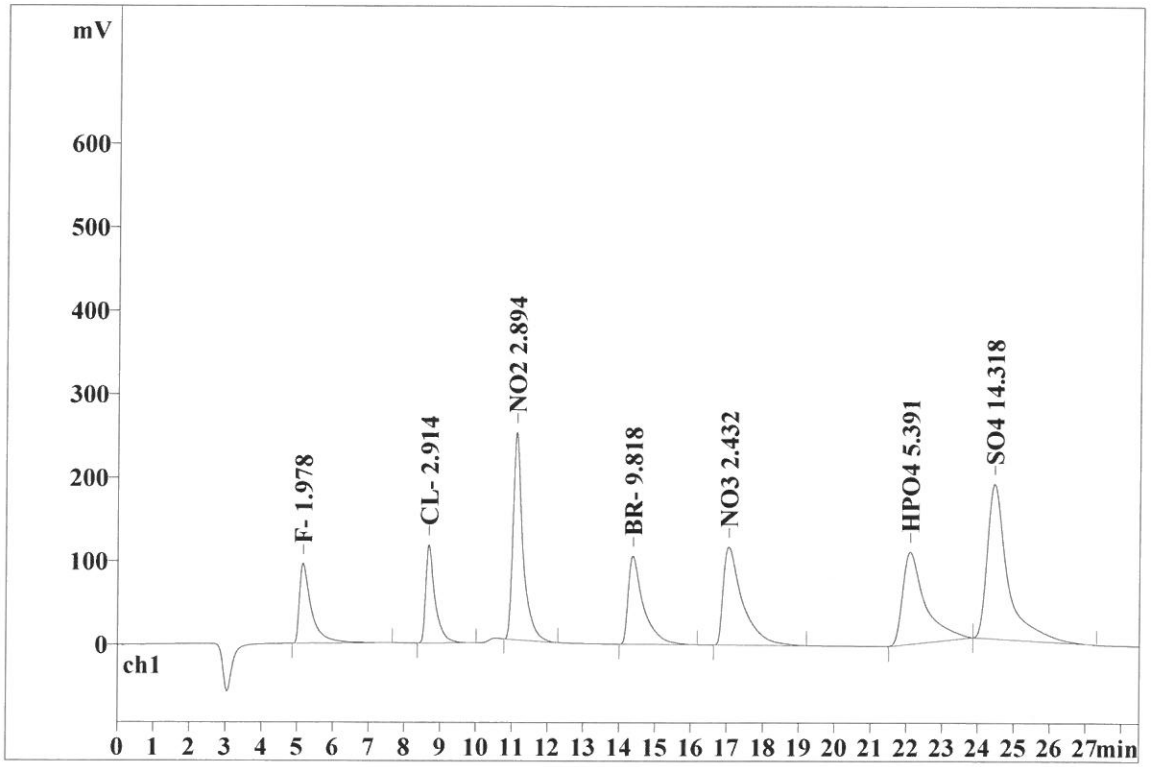
This report has been created by IC Net
METROHM LTD

Report date: 1/16/2019 1:27:53 PM
Printed by: wet

Ident: ICV
Analysis from: 1/14/2019 2:18:53 PM
File: _2019-01-14_ Last save: 1/15/2019 9:21:42 AM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 8:30:
Run operator: wet
Analysis number: 19577

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

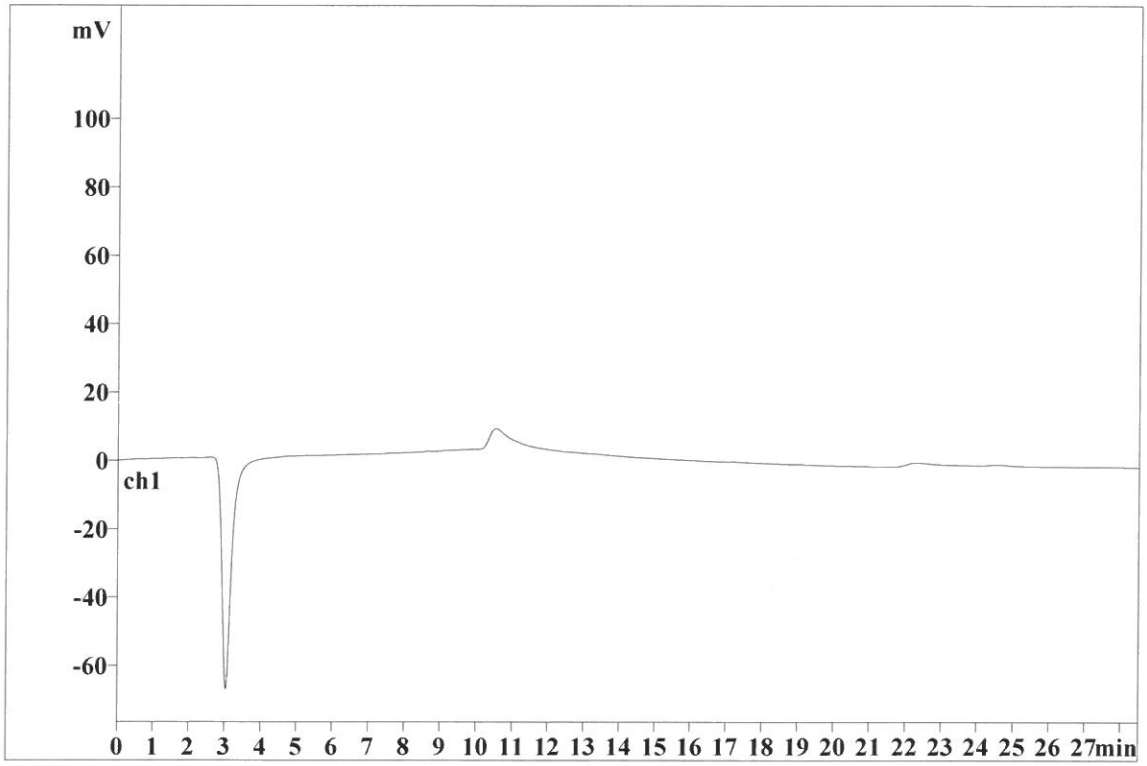



Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.16 | 0.312 | 95.72 | 9.76 | 2258.367 | 7.84 |
| 2 | 8.68 | 0.247 | 117.41 | 11.98 | 2110.977 | 7.33 |
| 3 | 11.12 | 0.263 | 248.41 | 25.34 | 4814.299 | 16.72 |
| 4 | 14.38 | 0.400 | 105.57 | 10.77 | 3115.955 | 10.82 |
| 5 | 17.05 | 0.504 | 117.37 | 11.97 | 4322.411 | 15.01 |
| 6 | 22.09 | 0.577 | 110.36 | 11.26 | 4796.548 | 16.66 |
| 7 | 24.46 | 0.514 | 185.31 | 18.91 | 7376.427 | 25.62 |
| 7 | 28.50 | 0.402 | 980.17 | 100.00 | 28794.983 | 100.00 |

This report has been created by IC Net
METROHM LTD

| | | | |
|---|---|---|---|
| Report date: | 1/16/2019 1:28:02 PM | | |
| Printed by: | wet | | |
| Ident: | ICB | | |
| Analysis from: | 1/14/2019 2:54:05 PM | | |
| File: | _2019-01-14_ | Last save: | 1/15/2019 9:21:42 AM |
| Method: | AnionsIC2-011419.mtw | Last save: | 1/14/2019 8:30: |
| Run operator: | wet | | |
| Analysis number: | 19578 | | |
| SAMPLE: | | | |
| : | AK/AP | | |
| Vial number: | 12 | | |
| Volume: | 20.0 µL | | |
| Dilution: | 1.00 | | |
| Amount: | 1.0000 | | |




Quantitation method: Custom

No peaks

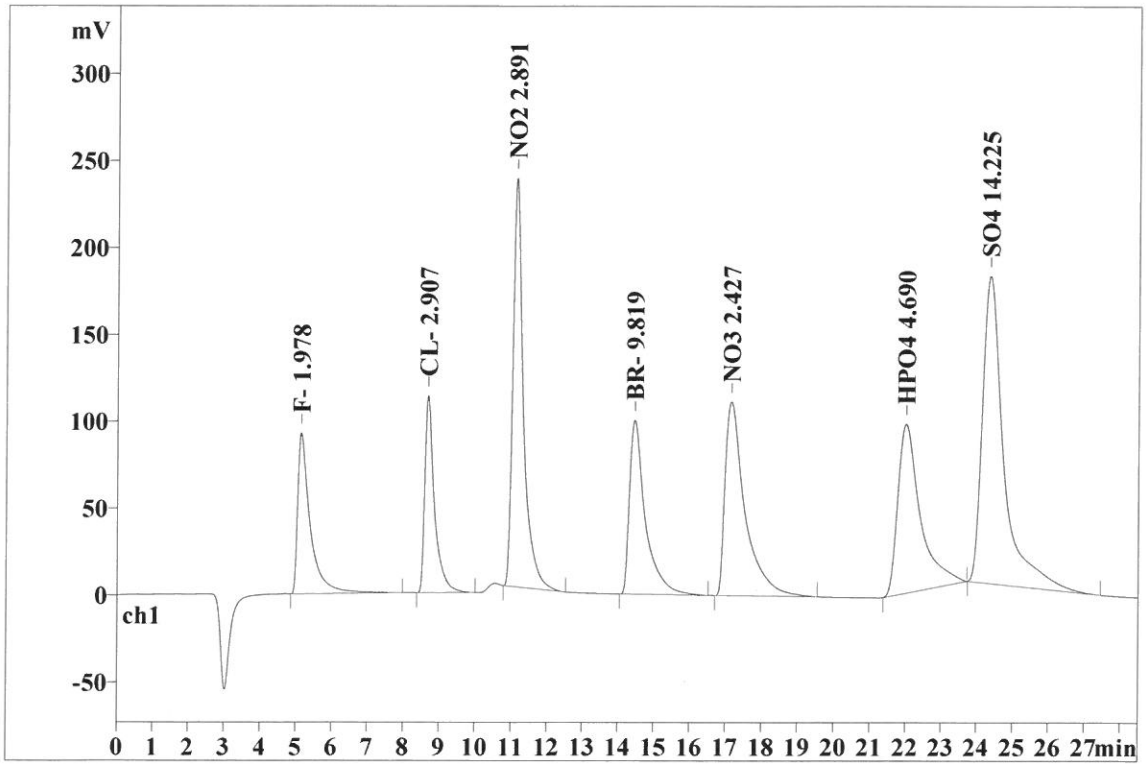
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:08:40 PM
Printed by: wet

Ident: CCV
Analysis from: 1/17/2019 7:53:35 AM
File: _2019-01-17_ Last save: 1/17/2019 8:22:05 AM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19604

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.14 | 0.322 | 92.49 | 9.98 | 2257.319 | 8.02 |
| 2 | 8.69 | 0.251 | 113.45 | 12.24 | 2105.302 | 7.48 |
| 3 | 11.14 | 0.280 | 235.12 | 25.37 | 4807.669 | 17.07 |
| 4 | 14.45 | 0.422 | 100.09 | 10.80 | 3116.089 | 11.07 |
| 5 | 17.16 | 0.530 | 111.55 | 12.03 | 4313.979 | 15.32 |
| 6 | 22.00 | 0.600 | 97.22 | 10.49 | 4233.082 | 15.03 |
| 7 | 24.37 | 0.551 | 176.92 | 19.09 | 7326.290 | 26.02 |
| 7 | 28.50 | 0.422 | 926.83 | 100.00 | 28159.731 | 100.00 |

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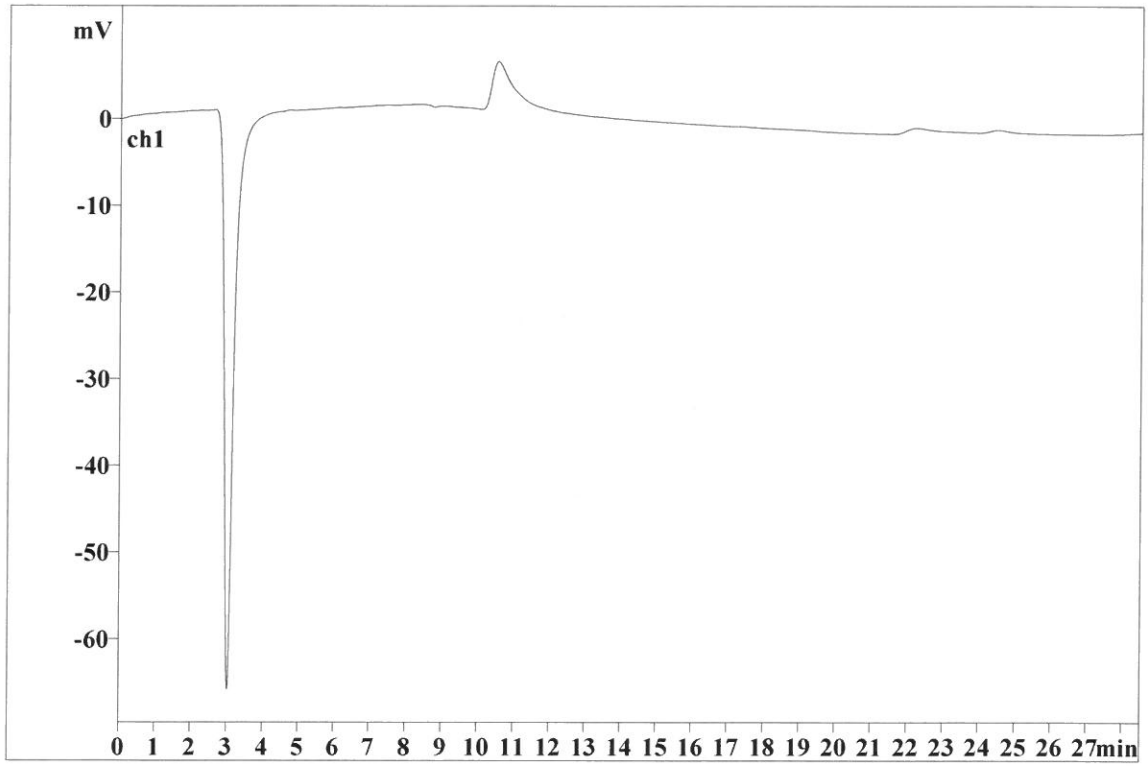
METROHM LTD

| | | |
|---|---|---|
| Report date: | 1/17/2019 3:08:48 PM | |
| Printed by: | wet | |
| Ident: | CCB | |
| Analysis from: | 1/17/2019 8:34:20 AM | |
| File: | _2019-01-17_ | Last save: 1/17/2019 9:02:50 AM |
| Method: | AnionsIC2-011419.mtw | Last save: 1/14/2019 3:31: |
| Run operator: | wet | |
| Analysis number: | 19605 | |
| SAMPLE: | | |
| : | AK/AP | |
| Vial number: | 3 | |
| Volume: | 20.0 µL | |
| Dilution: | 1.00 | |
| Amount: | 1.0000 | |




Quantitation method: Custom

No peaks

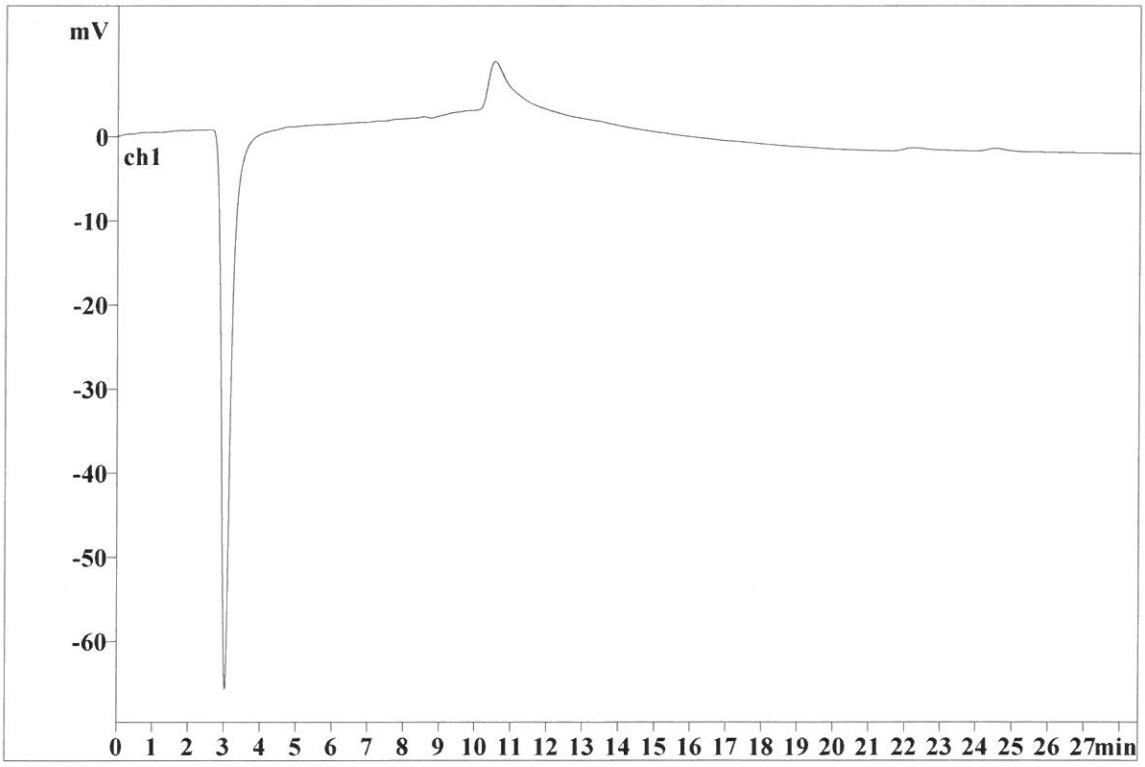
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:08:57 PM
Printed by: wet

Ident: LB100365BLW
Analysis from: 1/17/2019 9:05:45 AM
File: _2019-01-17_ Last save: 1/17/2019 2:56:17 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19606

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




Quantitation method: Custom

No peaks

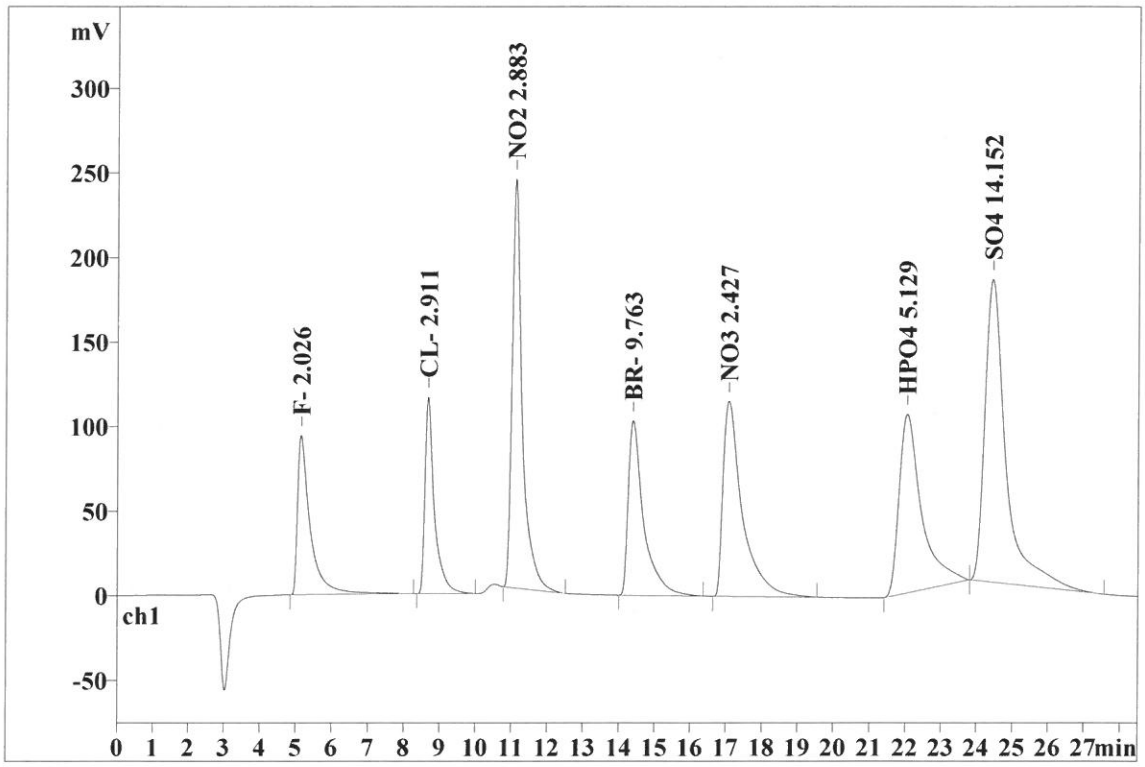
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:09:05 PM
Printed by: wet

Ident: LB100365BSW
Analysis from: 1/17/2019 9:37:11 AM
File: _2019-01-17_ Last save: 1/17/2019 2:56:17 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19607

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.14 | 0.320 | 94.24 | 9.86 | 2315.193 | 8.12 |
| 2 | 8.67 | 0.241 | 116.09 | 12.15 | 2108.265 | 7.40 |
| 3 | 11.12 | 0.267 | 242.02 | 25.32 | 4794.268 | 16.82 |
| 4 | 14.40 | 0.400 | 103.21 | 10.80 | 3097.551 | 10.87 |
| 5 | 17.08 | 0.502 | 115.47 | 12.08 | 4313.700 | 15.13 |
| 6 | 22.04 | 0.595 | 105.73 | 11.06 | 4586.282 | 16.09 |
| 7 | 24.44 | 0.543 | 179.03 | 18.73 | 7286.743 | 25.57 |
| 7 | 28.50 | 0.410 | 955.79 | 100.00 | 28502.001 | 100.00 |

This report has been created by IC Net
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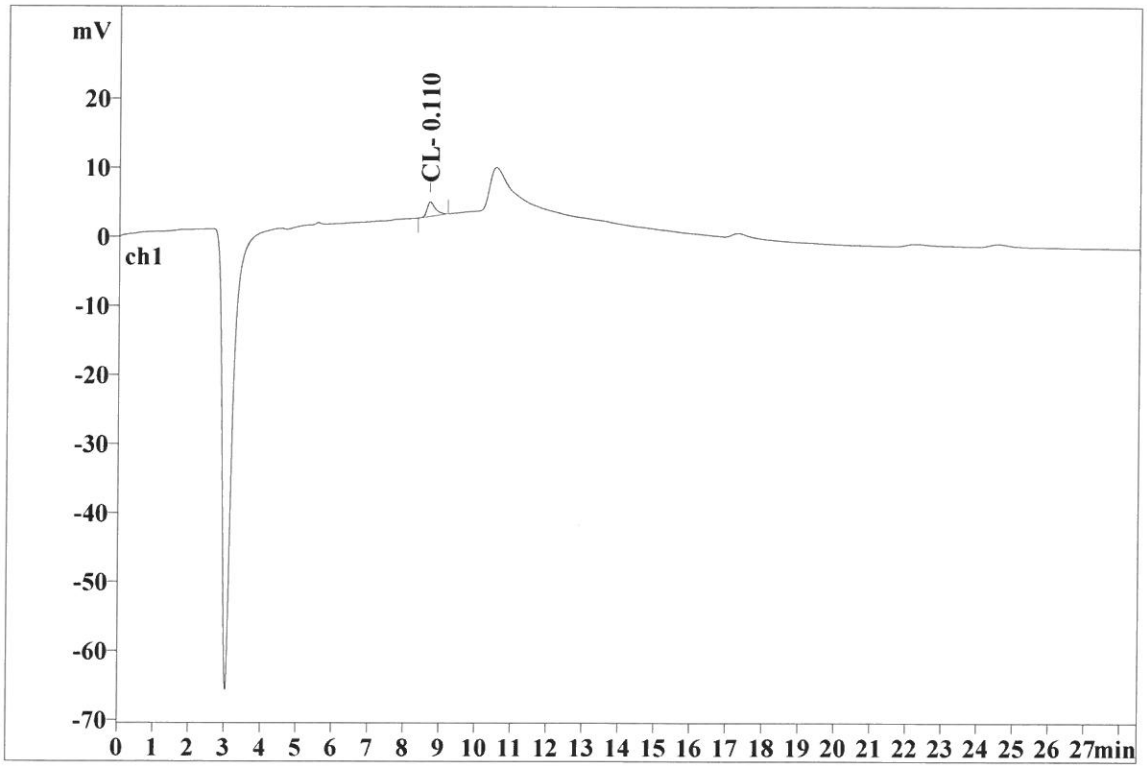
Report date: 1/17/2019 3:28:49 PM
Printed by: wet

Ident: K1170-01DUP
Analysis from: 1/17/2019 11:40:53 AM
File: _2019-01-17_ Last save: 1/17/2019 3:28:48 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19610

SAMPLE:
: AK/AP
Vial number: 20
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 |
| 2 | 8.68 | 0.231 | 2.10 | 99.93 | 33.266 | 100.00 |
| 3 | 0.00 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 |
| 4 | 0.00 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 |
| 5 | 0.00 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 |
| 6 | 0.00 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 |
| 7 | 0.00 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 |
| 7 | 28.50 | 0.033 | 2.10 | 99.93 | 33.266 | 100.00 |

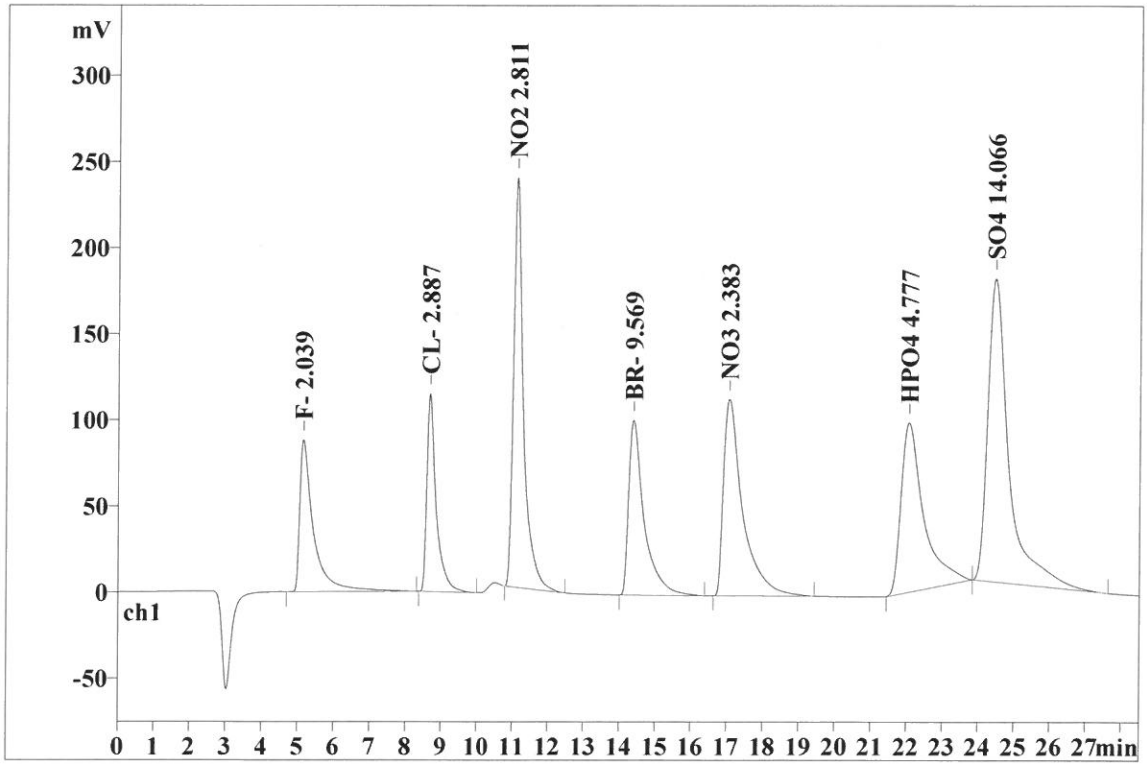
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:29:05 PM
Printed by: wet

Ident: K1170-01MS
Analysis from: 1/17/2019 12:12:19 PM
File: _2019-01-17_ Last save: 1/17/2019 2:56:48 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19611

SAMPLE:
: AK/AP
Vial number: 21
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.16 | 0.334 | 88.17 | 9.47 | 2329.587 | 8.35 |
| 2 | 8.68 | 0.245 | 114.87 | 12.34 | 2090.388 | 7.49 |
| 3 | 11.12 | 0.266 | 237.91 | 25.55 | 4669.069 | 16.74 |
| 4 | 14.39 | 0.400 | 101.52 | 10.90 | 3033.718 | 10.87 |
| 5 | 17.07 | 0.501 | 114.22 | 12.27 | 4232.386 | 15.17 |
| 6 | 22.07 | 0.595 | 98.36 | 10.56 | 4302.872 | 15.42 |
| 7 | 24.48 | 0.544 | 176.14 | 18.92 | 7240.573 | 25.95 |
| 7 | 28.50 | 0.412 | 931.18 | 100.00 | 27898.593 | 100.00 |

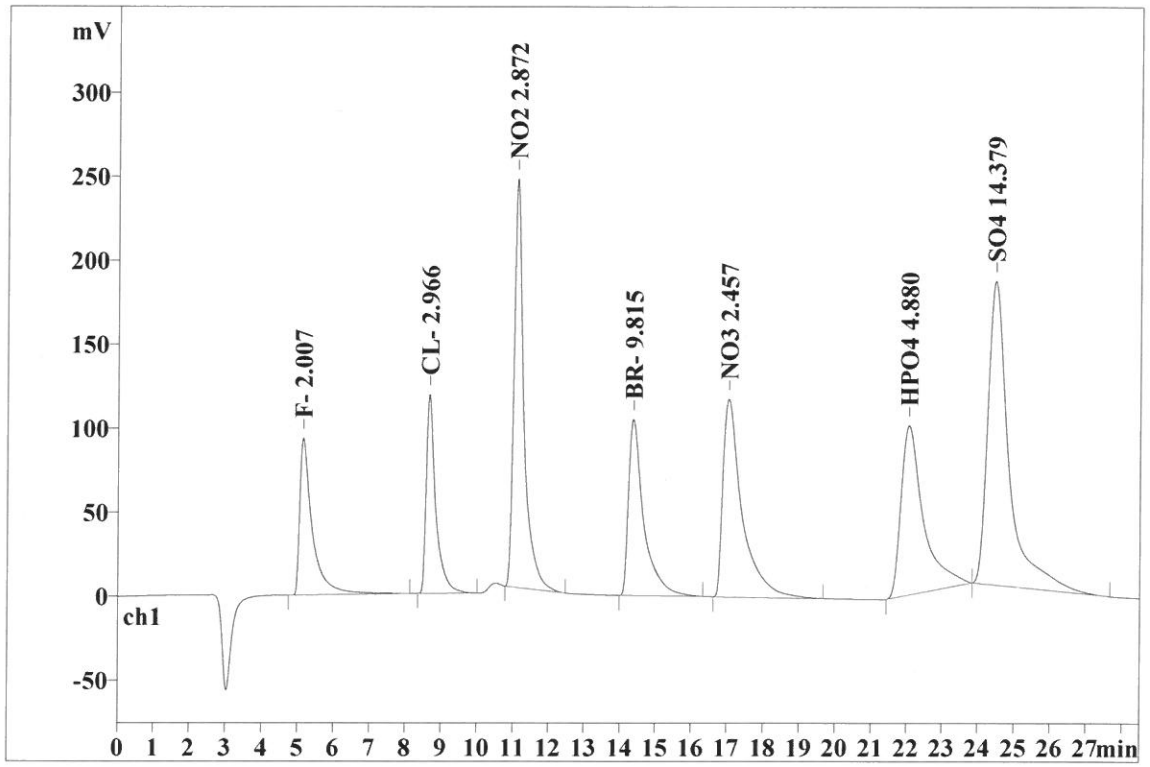
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:29:13 PM
Printed by: wet

Ident: K1170-01MSD
Analysis from: 1/17/2019 12:43:45 PM
File: _2019-01-17_ Last save: 1/17/2019 2:56:48 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19612

SAMPLE:
: AK/AP
Vial number: 22
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.15 | 0.315 | 93.52 | 9.75 | 2291.701 | 8.04 |
| 2 | 8.67 | 0.243 | 118.44 | 12.34 | 2149.079 | 7.54 |
| 3 | 11.11 | 0.265 | 243.33 | 25.36 | 4774.454 | 16.76 |
| 4 | 14.37 | 0.396 | 104.84 | 10.93 | 3114.854 | 10.93 |
| 5 | 17.04 | 0.496 | 117.76 | 12.27 | 4368.008 | 15.33 |
| 6 | 22.06 | 0.593 | 100.79 | 10.50 | 4385.780 | 15.39 |
| 7 | 24.48 | 0.543 | 180.88 | 18.85 | 7409.234 | 26.00 |
| 7 | 28.50 | 0.407 | 959.56 | 100.00 | 28493.110 | 100.00 |

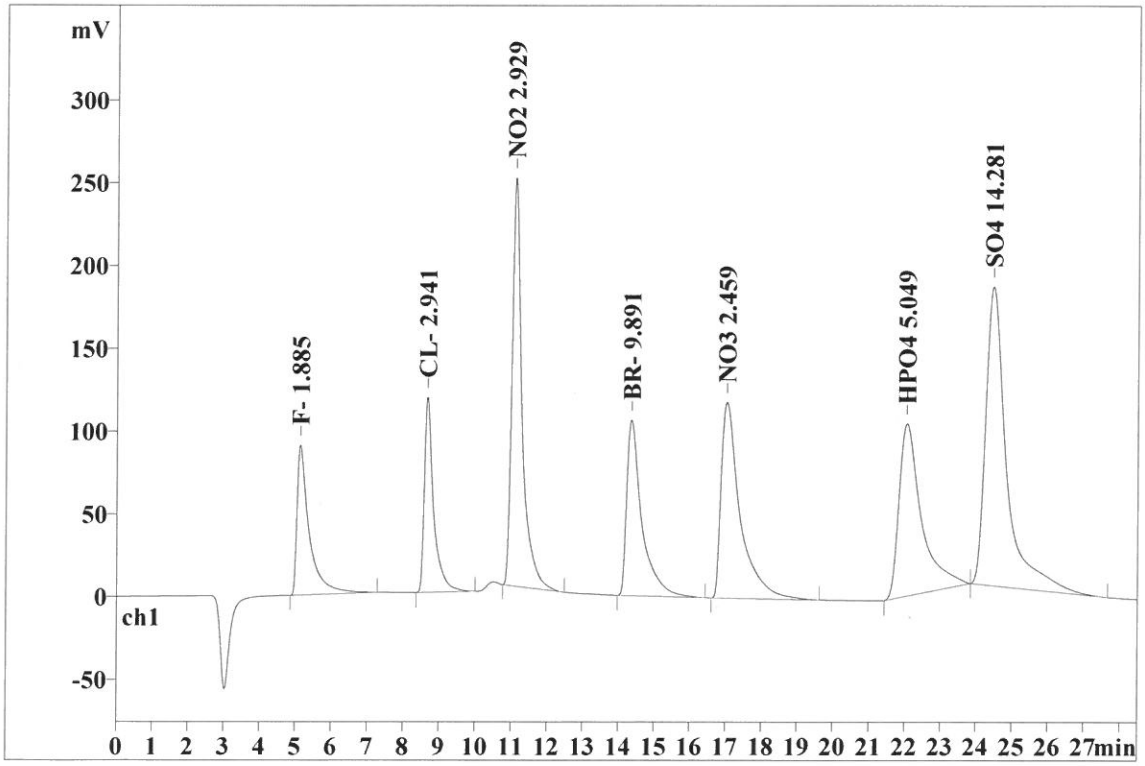
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:29:21 PM
Printed by: wet

Ident: CCV
Analysis from: 1/17/2019 1:15:17 PM
File: _2019-01-17_ Last save: 1/17/2019 1:43:48 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19613

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




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.14 | 0.307 | 90.48 | 9.38 | 2147.795 | 7.52 |
| 2 | 8.67 | 0.241 | 117.86 | 12.22 | 2130.582 | 7.46 |
| 3 | 11.11 | 0.266 | 246.79 | 25.59 | 4874.521 | 17.08 |
| 4 | 14.36 | 0.393 | 106.15 | 11.01 | 3139.978 | 11.00 |
| 5 | 17.03 | 0.493 | 118.44 | 12.28 | 4371.250 | 15.31 |
| 6 | 22.06 | 0.593 | 104.08 | 10.79 | 4521.766 | 15.84 |
| 7 | 24.48 | 0.541 | 180.67 | 18.73 | 7356.537 | 25.77 |
| 7 | 28.50 | 0.405 | 964.46 | 100.00 | 28542.429 | 100.00 |

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METROHM LTD

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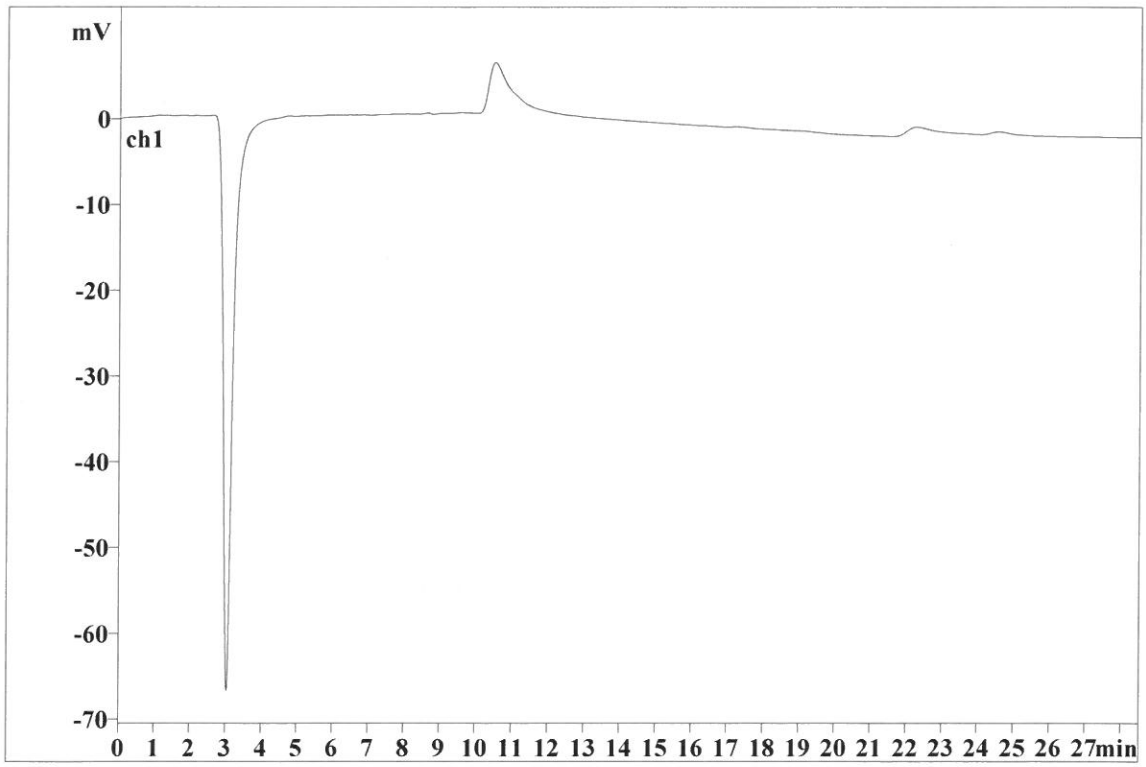
|---|---|---|---|
| Report date: | 1/17/2019 3:29:29 PM | | |
| Printed by: | wet | | |
| Ident: | CCB | | |
| Analysis from: | 1/17/2019 1:46:43 PM | | |
| File: | _2019-01-17_ | Last save: | 1/17/2019 2:15:13 PM |
| Method: | AnionsIC2-011419.mtw | Last save: | 1/14/2019 3:31: |
| Run operator: | wet | | |
| Analysis number: | 19614 | | |
| SAMPLE: | | | |
| : | AK/AP | | |
| Vial number: | 3 | | |
| Volume: | 20.0 µL | | |
| Dilution: | 1.00 | | |
| Amount: | 1.0000 | | |




Quantitation method: Custom

No peaks

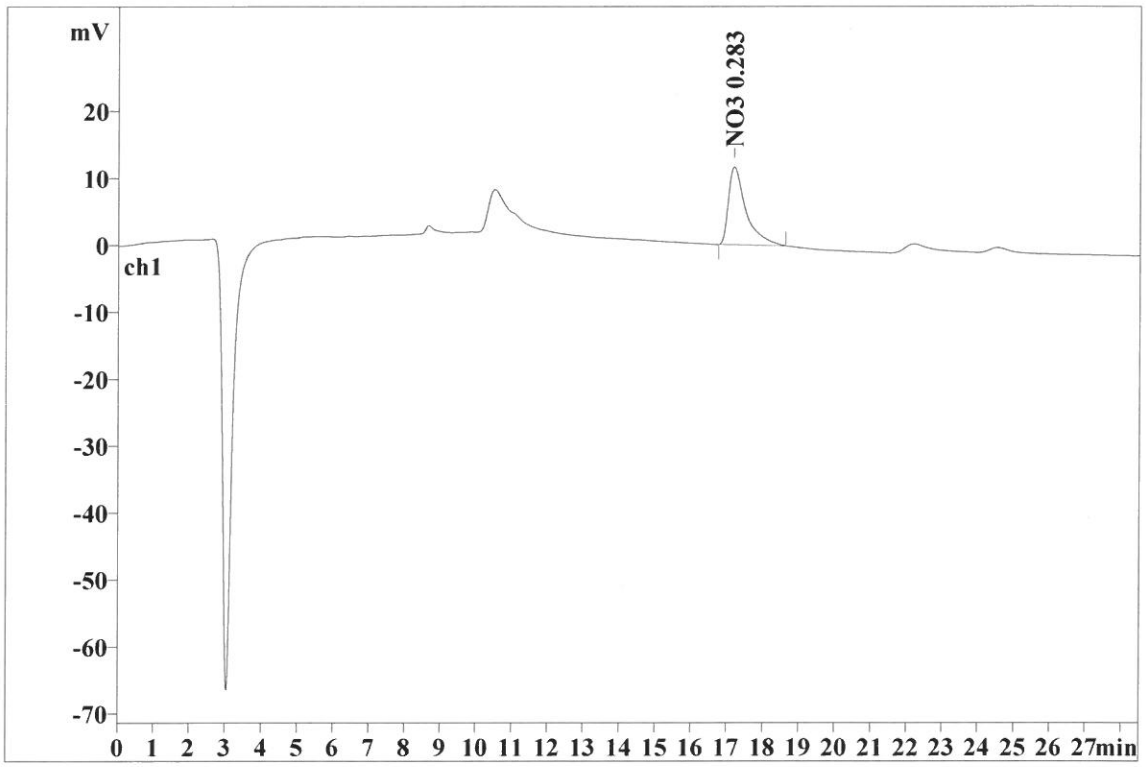
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:29:36 PM
Printed by: wet

Ident: K1186-01
Analysis from: 1/17/2019 2:18:15 PM
File: _2019-01-17_ Last save: 1/17/2019 2:46:45 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19615

SAMPLE:
: AK/AP
Vial number: 23
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 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 | 17.19 | 0.461 | 11.63 | 100.00 | 389.572 | 100.00 |
| 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 | 28.50 | 0.066 | 11.63 | 100.00 | 389.572 | 100.00 |

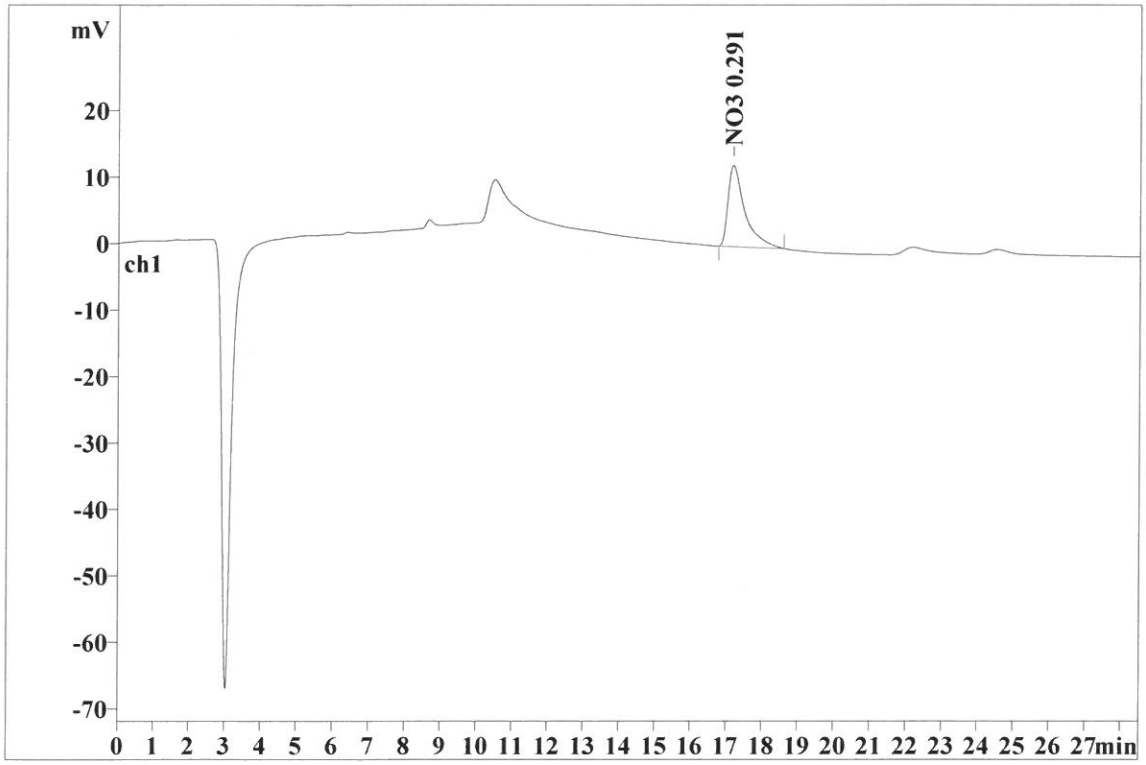
This report has been created by IC Net
METROHM LTD

Report date: 1/17/2019 3:29:44 PM
Printed by: wet

Ident: K1186-02
Analysis from: 1/17/2019 2:49:41 PM
File: _2019-01-17_ Last save: 1/17/2019 3:18:11 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19616

SAMPLE:
: AK/AP
Vial number: 24
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 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 | 17.18 | 0.458 | 12.20 | 99.99 | 404.772 | 100.00 |
| 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 | 28.50 | 0.065 | 12.20 | 99.99 | 404.772 | 100.00 |

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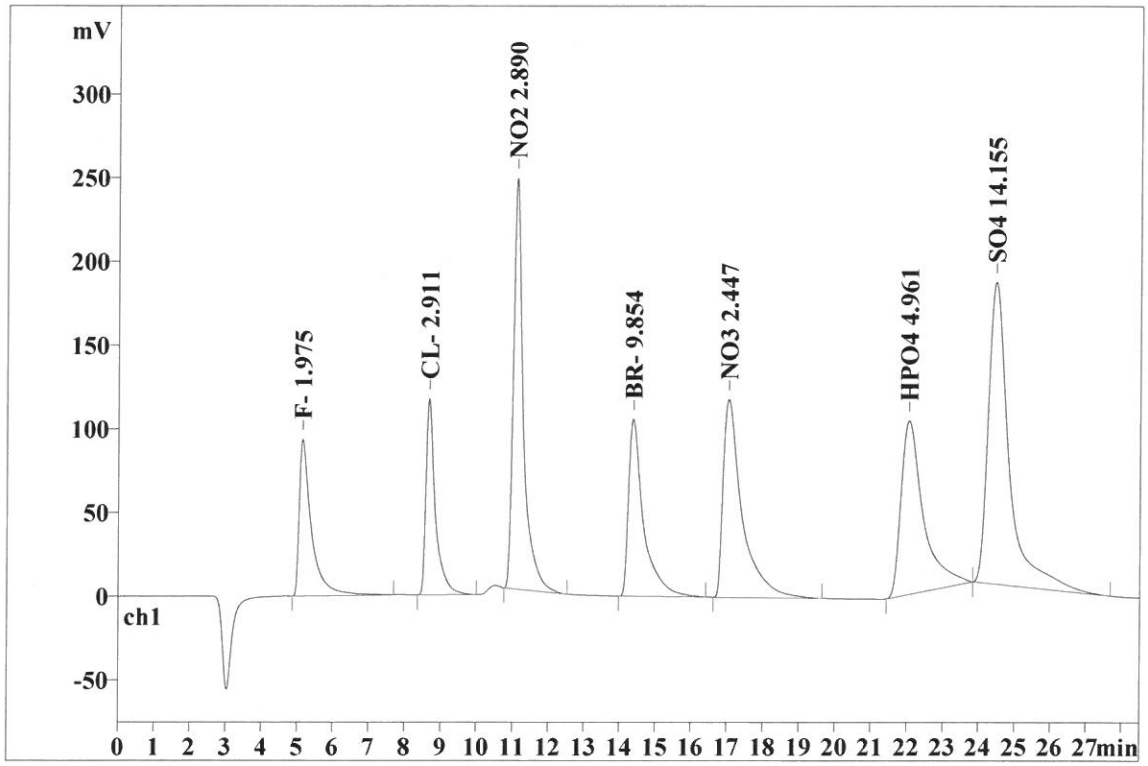
Report date: 1/17/2019 3:50:37 PM
Printed by: wet

Ident: CCV
Analysis from: 1/17/2019 3:21:06 PM
File: _2019-01-17_ Last save: 1/17/2019 3:49:37 PM

Method: AnionsIC2-011419.mtw Last save: 1/14/2019 3:31:
Run operator: wet
Analysis number: 19617

SAMPLE:
: AK/AP
Vial number: 25
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000




Quantitation method: Custom

| No | Retention min | Width/2 min | Height mV | Height % | Area mV*sec | Area % |
|---|---|---|---|---|---|---|
| 1 | 5.15 | 0.318 | 93.65 | 9.71 | 2254.856 | 7.94 |
| 2 | 8.67 | 0.238 | 117.29 | 12.16 | 2108.378 | 7.43 |
| 3 | 11.11 | 0.261 | 245.57 | 25.45 | 4806.458 | 16.93 |
| 4 | 14.38 | 0.389 | 105.76 | 10.96 | 3127.645 | 11.02 |
| 5 | 17.05 | 0.487 | 118.24 | 12.26 | 4349.903 | 15.32 |
| 6 | 22.05 | 0.589 | 103.78 | 10.76 | 4451.349 | 15.68 |
| 7 | 24.48 | 0.539 | 180.46 | 18.70 | 7288.260 | 25.67 |
| 7 | 28.50 | 0.403 | 964.74 | 100.00 | 28386.849 | 100.00 |

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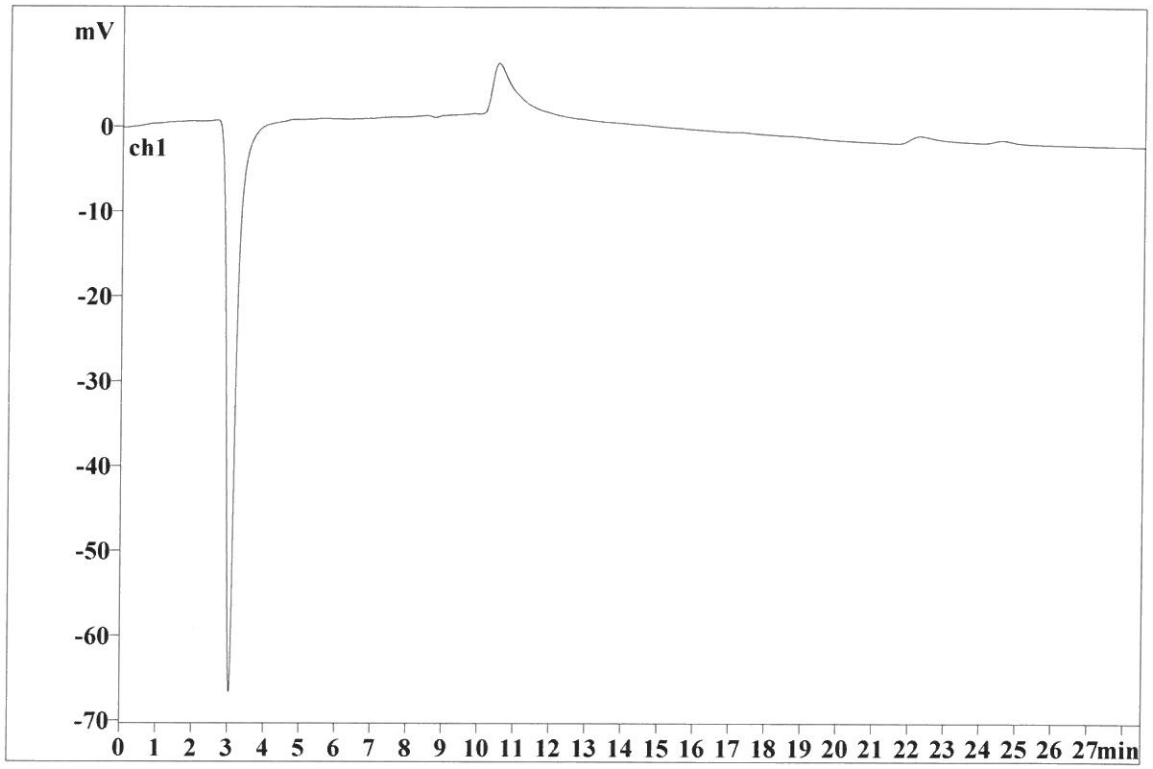
| | | |
|---|---|---|
| Report date: | 1/17/2019 4:52:51 PM | |
| Printed by: | wet | |
| Ident: | CCB | |
| Analysis from: | 1/17/2019 3:52:41 PM | |
| File: | _2019-01-17_ | Last save: 1/17/2019 4:21:11 PM |
| Method: | AnionsIC2-011419.mtw | Last save: 1/14/2019 3:31: |
| Run operator: | wet | |
| Analysis number: | 19618 | |
| SAMPLE: | | |
| : | AK/AP | |
| Vial number: | 3 | |
| Volume: | 20.0 µL | |
| Dilution: | 1.00 | |
| Amount: | 1.0000 | |




Quantitation method: Custom

No peaks

This report has been created by IC Net
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