

Te-2

300.0
6/02/2020
AM

Clear table

ident	concentra tion F-	concentra on CL-	concentra on NO2	concentra on BR-	concentra on NO3	concentra on HPO4	concentra on SO4	file name	date time	Initial wt/ Final Vol	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-05-19_	5/19/20 9:52		AM/AP
STD2	0.1870	0.3960	0.4110	1.3700	0.3400	0.4580	2.1460	2020-05-19_	5/19/20 10:22		AM/AP
STD3	0.4240	0.6700	0.6630	2.2400	0.5650	1.0120	3.4020	2020-05-19_	5/19/20 10:53		AM/AP
STD4	0.8450	1.1940	1.1870	3.9630	0.9910	1.8770	5.9360	2020-05-19_	5/19/20 12:03		AM/AP
STD5	1.9230	2.7930	2.7880	9.2610	2.3180	5.2100	13.7310	2020-05-19_	5/19/20 12:33		AM/AP
STD6	4.0070	5.9150	5.9230	19.7000	4.9090	10.0710	29.5280	2020-05-19_	5/19/20 13:04		AM/AP
STD7	5.0150	7.6320	7.6280	25.4650	6.3770	12.3730	38.2580	2020-05-19_	5/19/20 14:11		AM/AP
ICV	2.0670	3.1420	3.1560	10.9120	2.5730	5.2770	15.3330	2020-05-19_	5/19/20 16:07		AM/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-05-19_	5/19/20 16:37		AM/AP
CCV	2.1980	2.9300	2.9220	10.2410	2.4240	5.0230	14.3100	2020-06-01_	6/1/20 10:32		AM/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-06-01_	6/1/20 11:05		AM/AP
LB109389BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-06-01_	6/1/20 11:36		AM/AP
LB109389BSW	2.1910	2.9220	2.9160	10.1810	2.4090	5.1890	14.2230	2020-06-01_	6/1/20 12:07		AM/AP
L2182-07	0.1530	0.2910	0.2950	0.6580	0.2500	0.3540	1.6340	2020-06-01_	6/1/20 13:16		AM/AP
CCV	2.1550	3.0880	3.0850	10.7590	2.5460	5.4220	15.0090	2020-06-01_	6/1/20 14:18		AM/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-06-01_	6/1/20 14:50		AM/AP

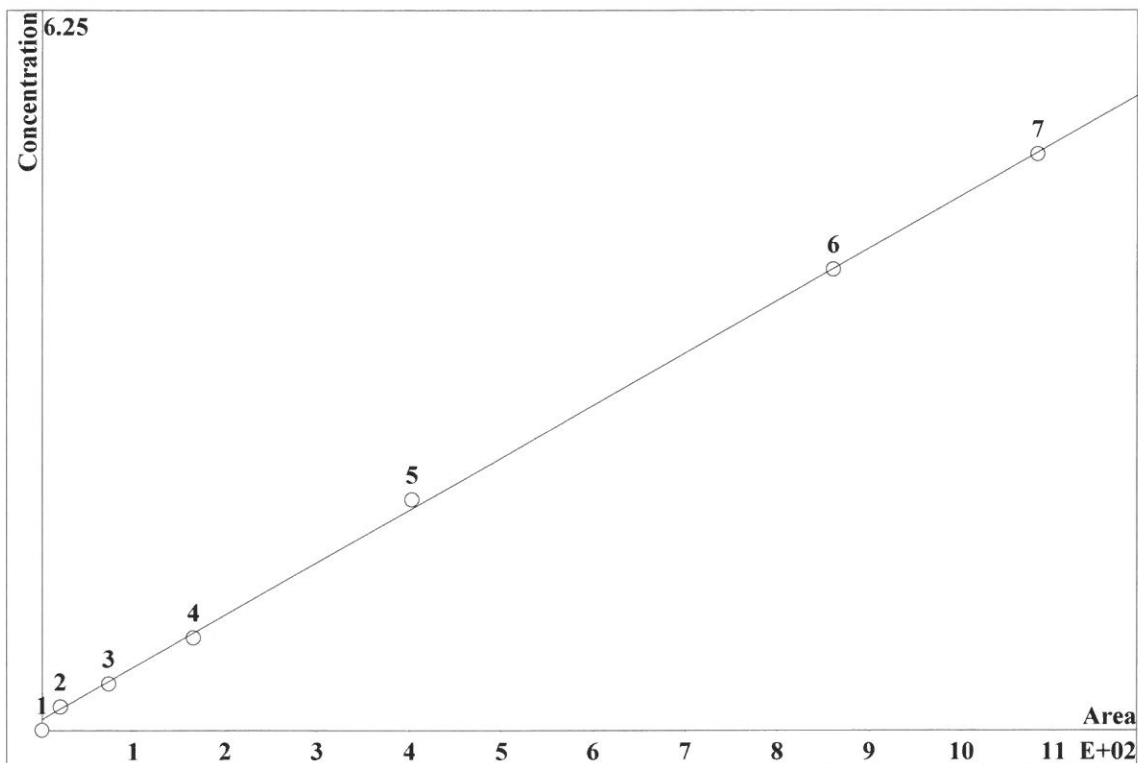
CALIBRATION OF COMPONENT F-

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.0909942 \cdot A + 1.84464$
 RSD: 2.287 %
 Correlation coefficient: 0.999779

IC-2

M300.0

5/20/2020
 AM



K3 = 0 K2 = 0 K1 = 0.0909942 K0 = 1.84464

Base: Area

Ref.channel: ch1

ISTD:

Formula: Linear

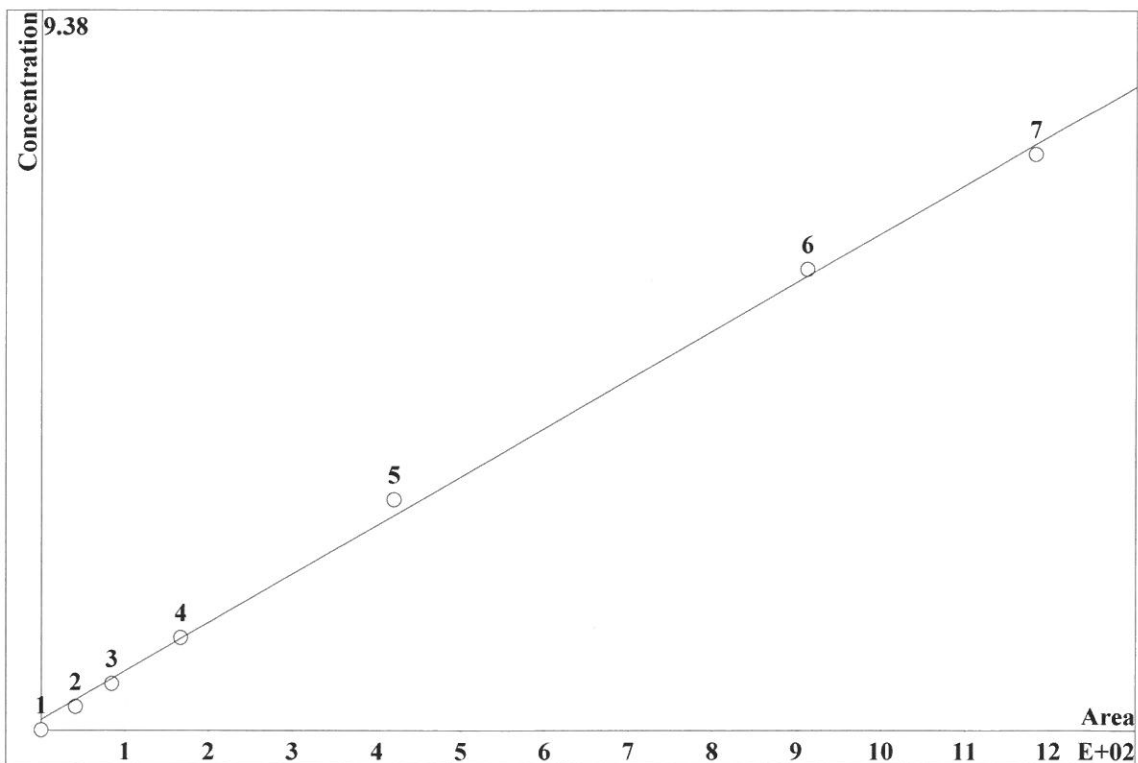
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	0.6485	20.75	0.2	20	5.75		
3	1.606	72.9	0.4	20	5.75		
4	3.974	165.4	0.8	20	5.75		
5	9.721	402.4	2	20	5.75		
6	21.71	860.5	4	20	5.75		
7	27.61	1082	5	20	5.75		

□□□

CALIBRATION OF COMPONENT CL-

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.126605 \cdot A + 2.72055$
 RSD: 4.608 %
 Correlation coefficient: 0.999102

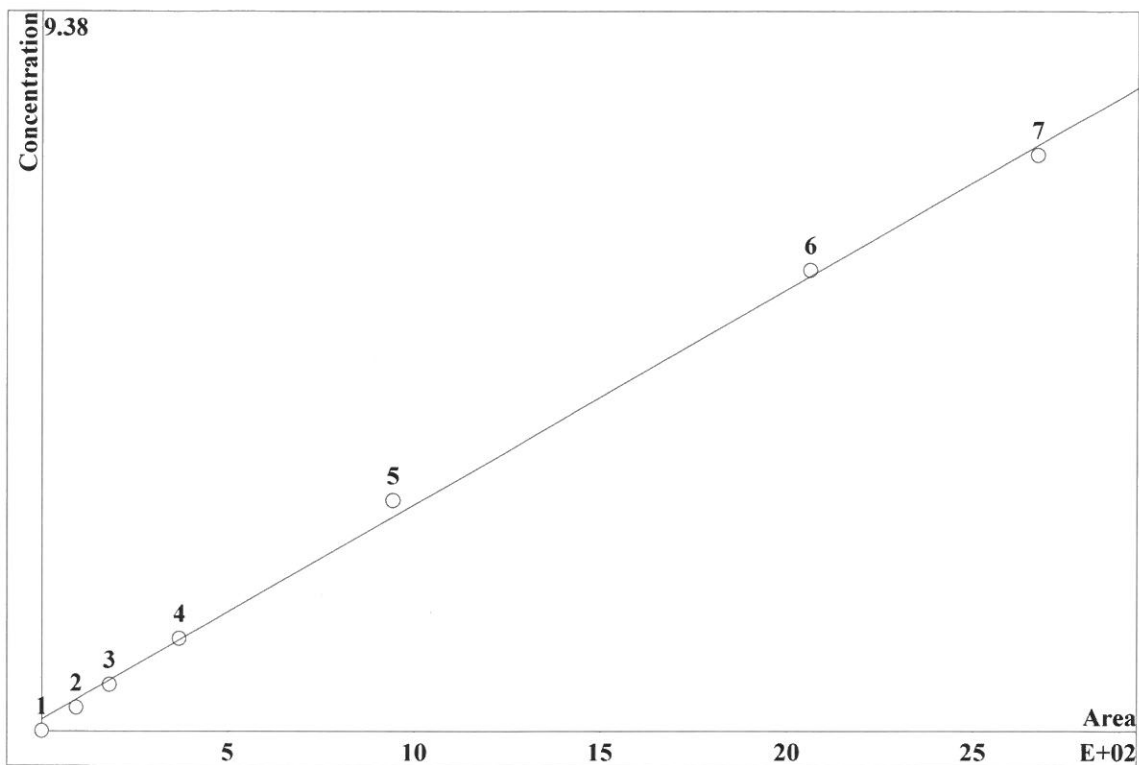


K3 = 0 K2 = 0 K1 = 0.126605 K0 = 2.72055
 Base: Area
 Ref.channel: ch1
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	3.155	41.09	0.3	20	8.834		
3	6.417	84.41	0.6	20	8.834		
4	13.07	167.1	1.2	20	8.834		
5	33.54	419.7	3	20	8.834		
6	74.41	912.9	6	20	8.834		
7	98.4	1184	7.5	20	8.834		

CALIBRATION OF COMPONENT NO2

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.0560022 \cdot A + 2.98338$
 RSD: 4.665 %
 Correlation coefficient: 0.999080



K3 = 0 K2 = 0 K1 = 0.0560022 K0 = 2.98338

Base: Area

Ref.channel: chl

ISTD:

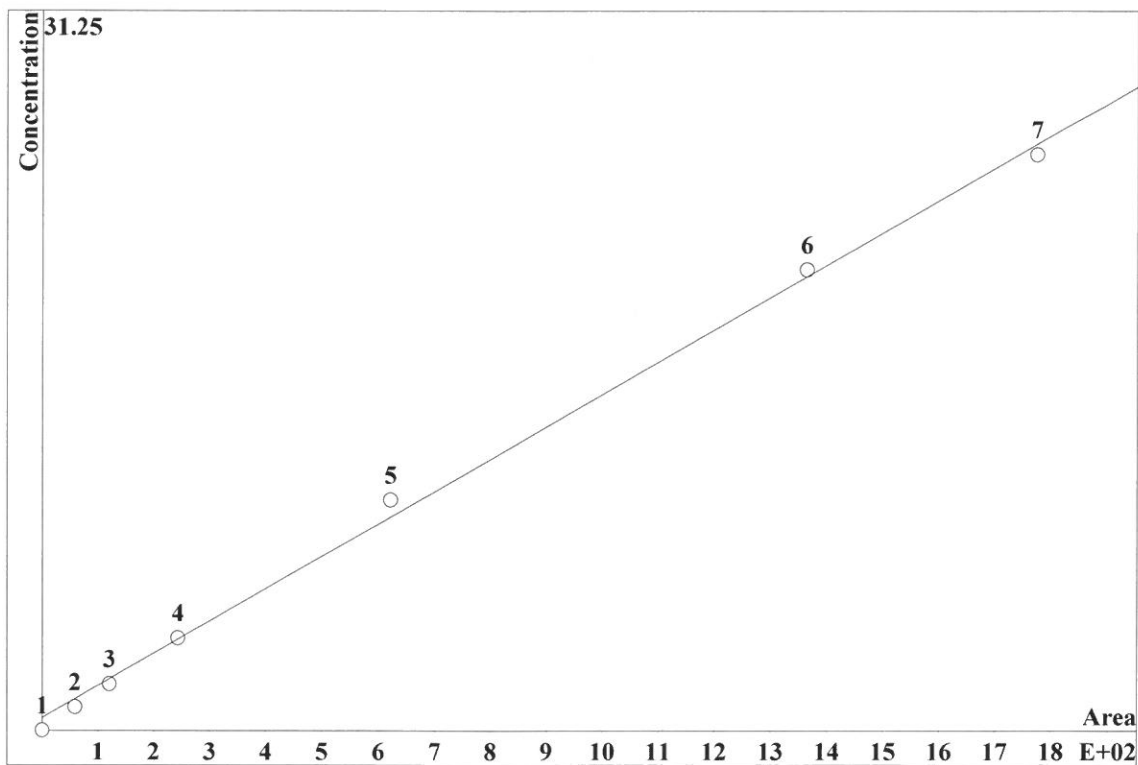
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	5.106	93.56	0.3	20	10.73		
3	10.62	183.6	0.6	20	10.73		
4	21.77	370.5	1.2	20	10.73		
5	54.79	942.6	3	20	10.73		
6	115.3	2062	6	20	10.73		
7	152.8	2671	7.5	20	10.73		

CALIBRATION OF COMPONENT BR-

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.280857 \cdot A + 10.8654$
 RSD: 4.955 %
 Correlation coefficient: 0.998962



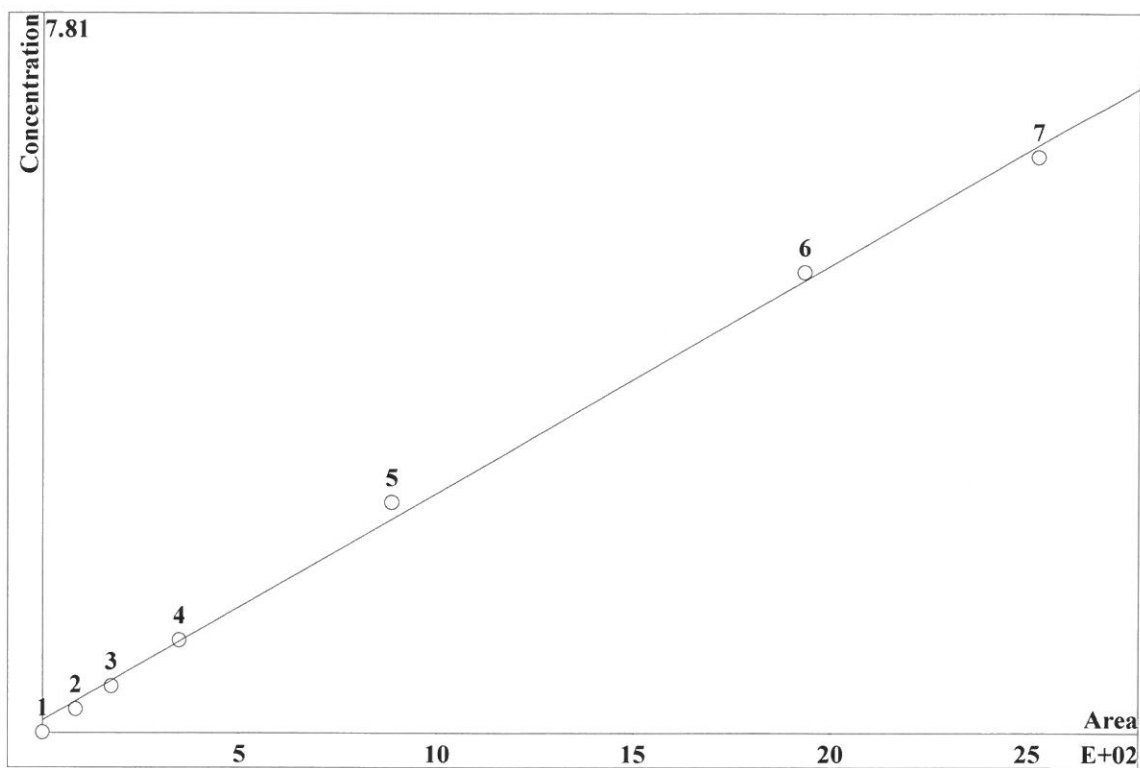
K3 = 0 K2 = 0 K1 = 0.280857 K0 = 10.8654

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	3.14	58.87	1	20			14
3	6.683	120.9	2	20			14
4	13.99	243.5	4	20			14
5	36.94	620.8	10	20			14
6	83.37	1364	20	20			14
7	110.9	1775	25	20			14

CALIBRATION OF COMPONENT NO3

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.0494351 \cdot A + 2.62515$
 RSD: 5.111 %
 Correlation coefficient: 0.998895



K3 = 0 K2 = 0 K1 = 0.0494351 K0 = 2.62515

Base: Area

Ref.channel: ch1

ISTD:

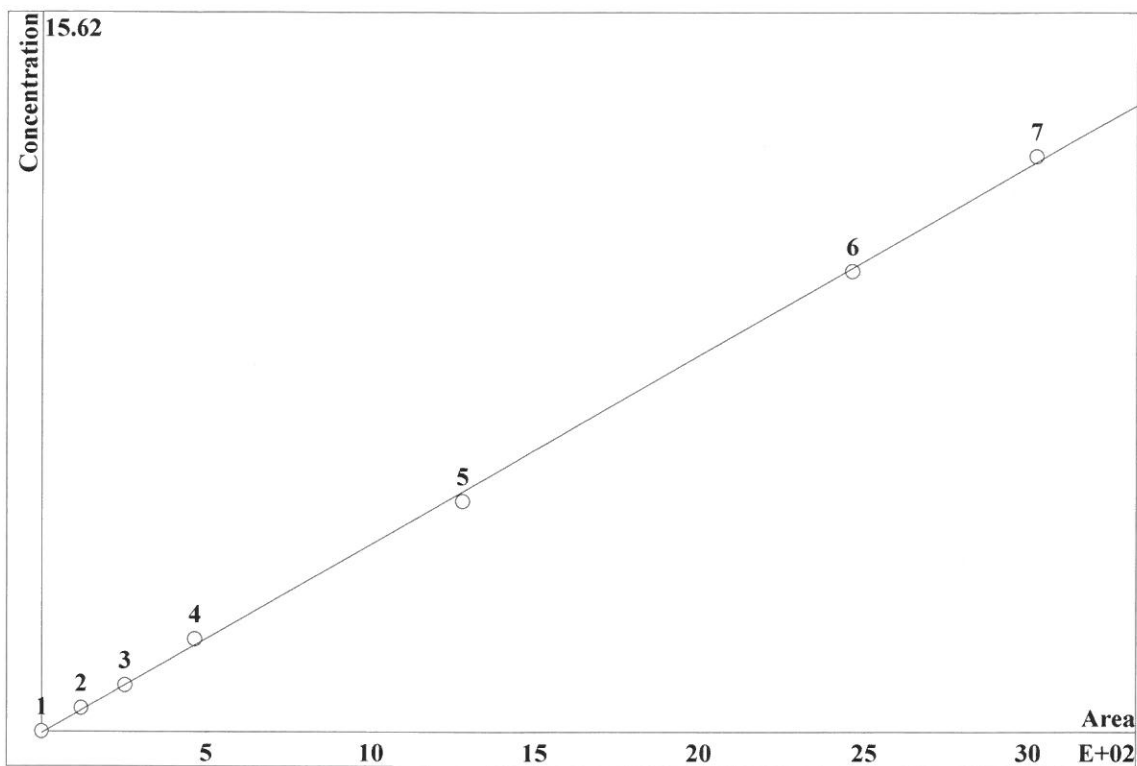
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	3.813	84.58	0.25	20	16.26		
3	7.955	175.3	0.5	20	16.26		
4	16.46	347.7	1	20	16.26		
5	42.51	884.8	2.5	20	16.26		
6	94.61	1933	5	20	16.26		
7	125.6	2527	6.25	20	16.26		

CALIBRATION OF COMPONENT HPO4

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.0821496 \cdot A - 0.783919$
 RSD: 2.777 %
 Correlation coefficient: 0.999674



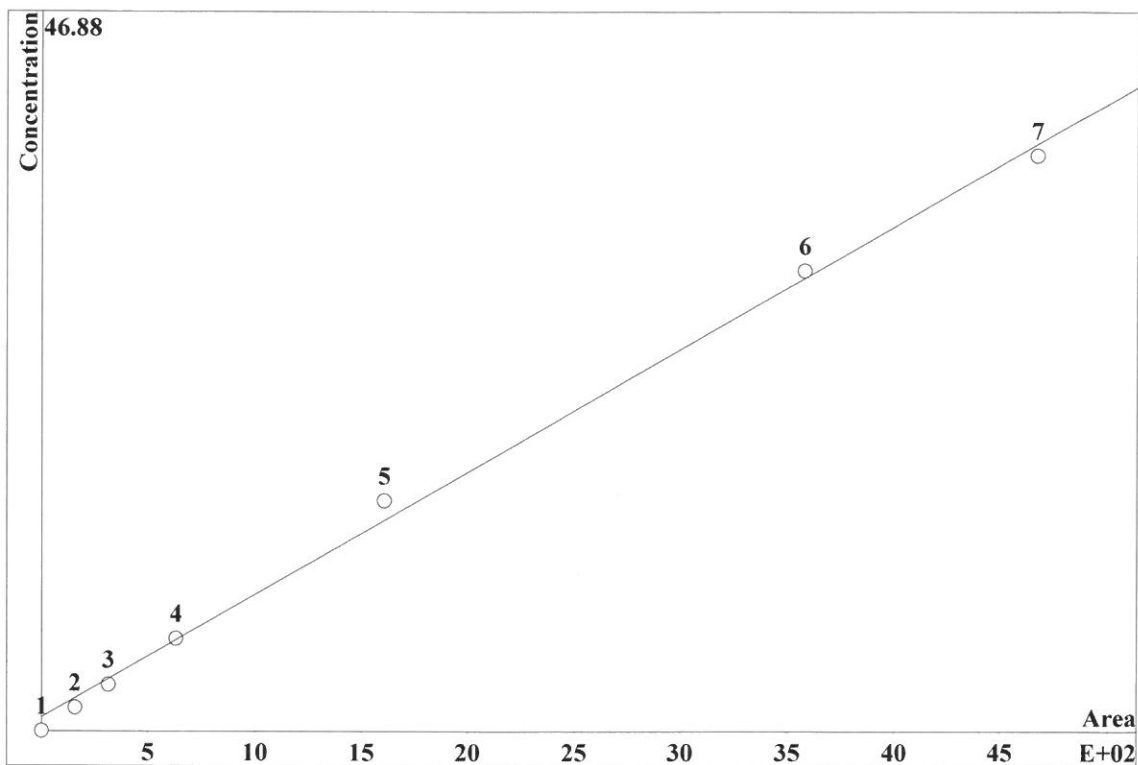
K3 = 0 K2 = 0 K1 = 0.0821496 K0 = -0.783919

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	3.386	120.9	0.5	20	21.2		
3	7.174	255.8	1	20	21.2		
4	11.22	466.5	2	20	21.2		
5	38.46	1278	5	20	21.2		
6	78.28	2461	10	20	21.2		
7	98.99	3022	12.5	20	21.2		

CALIBRATION OF COMPONENT SO4

Method: AnionsIC2-051920.mtw
 Equation: $Q = 0.159995 \cdot A + 17.7893$
 RSD: 5.579 %
 Correlation coefficient: 0.998684



K3 = 0 K2 = 0 K1 = 0.159995 K0 = 17.7893

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	5.628	157.1	1.5	20	24.57		
3	11.43	314	3	20	24.57		
4	23.33	630.8	6	20	24.57		
5	60.66	1605	15	20	24.57		
6	137.3	3580	30	20	24.57		
7	180.7	4671	37.5	20	24.57		

Report date: 5/20/2020 8:44:48 AM
Printed by: wet

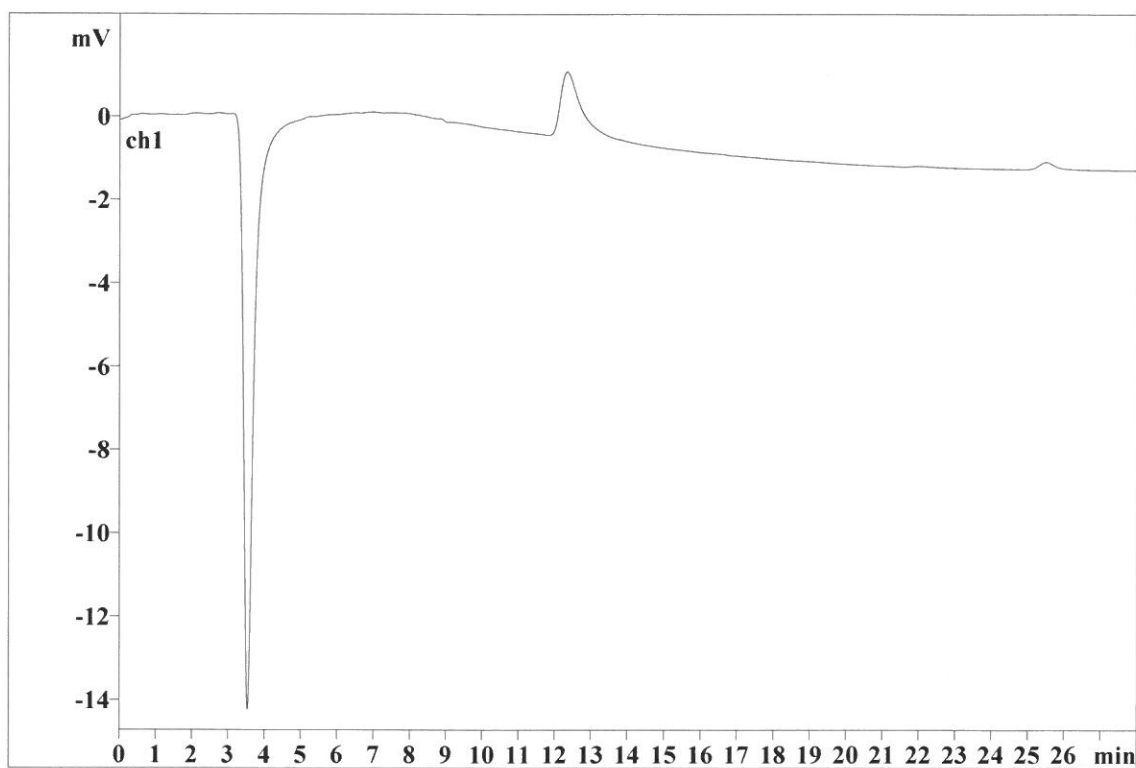
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Analysis from: 5/19/2020 9:52:13 AM
File: _2020-05-19_

Last save: 5/19/2020 2:41:31 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25722

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/AP
Vial number: 2
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

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Report date: 5/20/2020 8:44:55 AM
Printed by: wet

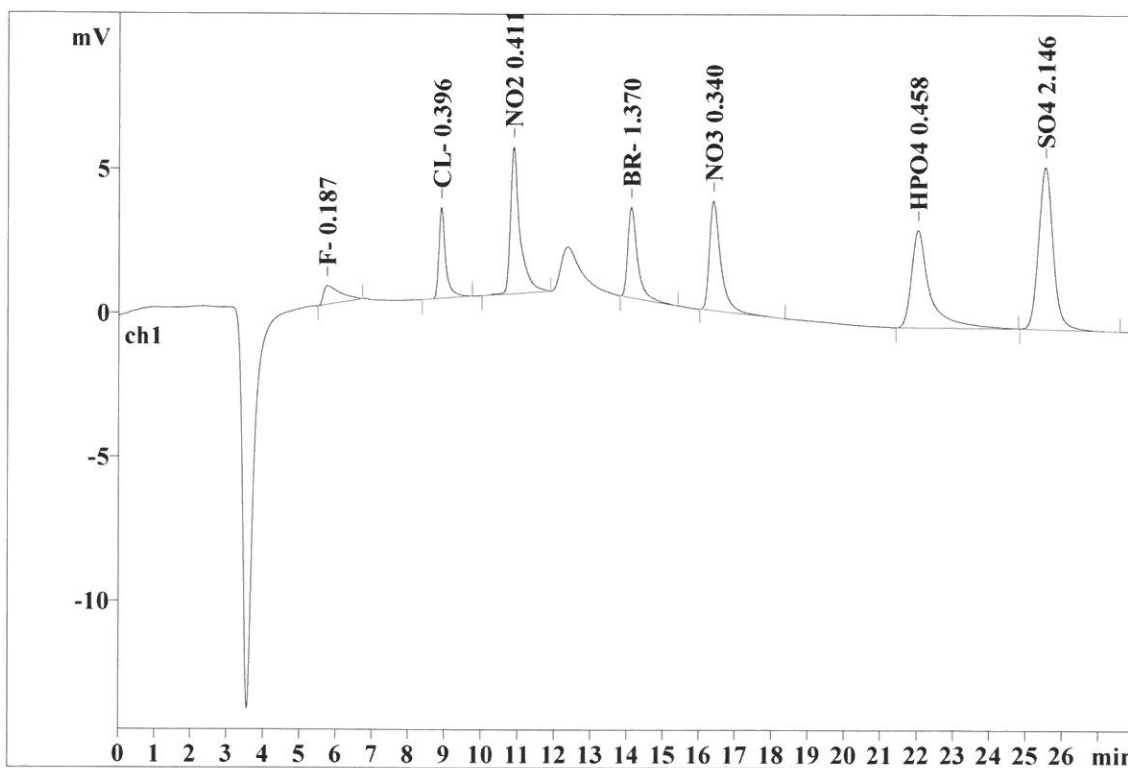
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Analysis from: 5/19/2020 10:22:50 AM
File: _2020-05-19_

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Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25723

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/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	5.73	0.487	0.65	2.60	20.753	3.60
2	8.88	0.175	3.15	12.68	41.095	7.12
3	10.84	0.230	5.11	20.52	93.561	16.22
4	14.09	0.262	3.14	12.62	58.870	10.21
5	16.37	0.312	3.81	15.32	84.575	14.66
6	22.00	0.447	3.39	13.61	120.931	20.96
7	25.49	0.413	5.63	22.61	157.073	27.23
7	28.00	0.332	24.87	99.96	576.858	100.00

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Report date: 5/20/2020 8:45:02 AM
Printed by: wet

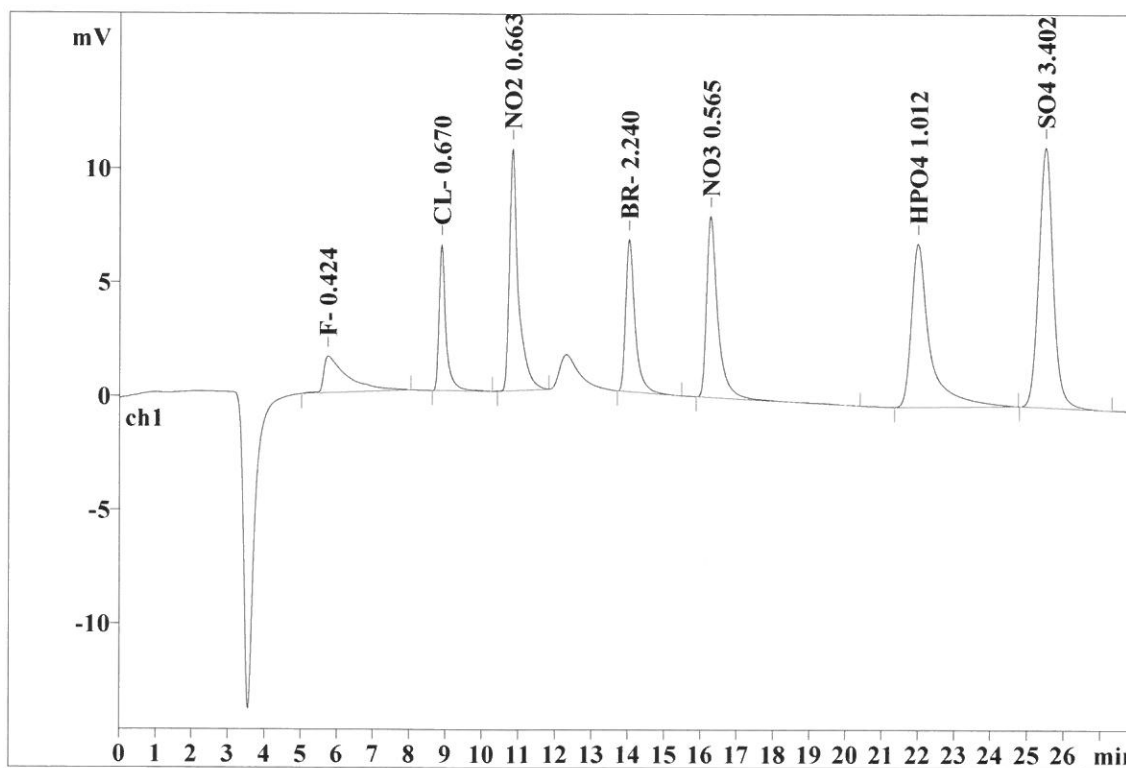
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Analysis from: 5/19/2020 10:53:28 AM
File: _2020-05-19_

Last save: 5/19/2020 2:41:31 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25724

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/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	5.74	0.580	1.60	3.09	72.896	6.04
2	8.86	0.175	6.42	12.37	84.413	6.99
3	10.80	0.222	10.62	20.47	183.563	15.21
4	14.00	0.256	6.68	12.88	120.854	10.01
5	16.25	0.305	7.95	15.33	175.314	14.53
6	21.97	0.442	7.17	13.82	255.817	21.20
7	25.46	0.409	11.43	22.03	314.048	26.02
7	28.00	0.341	51.88	99.99	1206.905	100.00

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Report date: 5/20/2020 8:45:09 AM
Printed by: wet

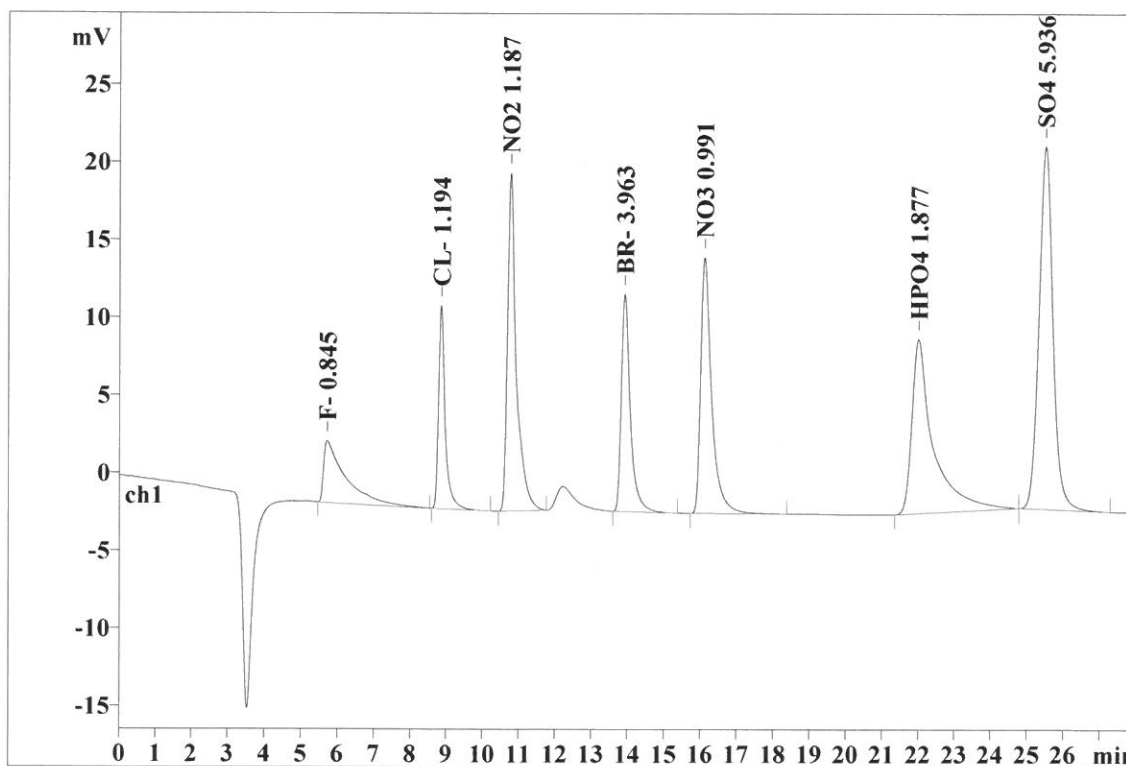
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Analysis from: 5/19/2020 12:03:01 PM
File: _2020-05-19_

Last save: 5/19/2020 2:41:31 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25728

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/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	5.71	0.523	3.97	3.83	165.350	6.91
2	8.84	0.173	13.07	12.59	167.142	6.99
3	10.75	0.219	21.76	20.97	370.497	15.49
4	13.90	0.247	13.99	13.47	243.522	10.18
5	16.09	0.296	16.46	15.85	347.706	14.54
6	21.98	0.484	11.22	10.81	466.475	19.51
7	25.48	0.404	23.33	22.48	630.777	26.38
7	28.00	0.335	103.80	100.00	2391.470	100.00

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Report date: 5/20/2020 8:45:16 AM
Printed by: wet

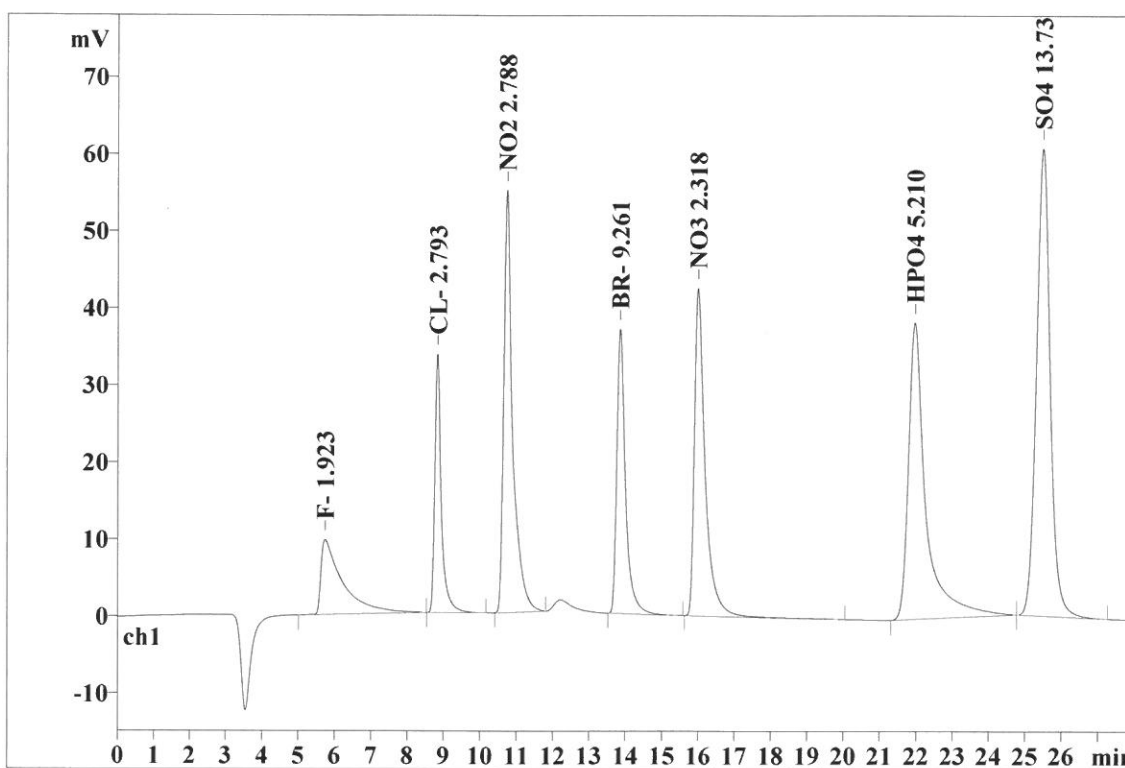
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Analysis from: 5/19/2020 12:33:36 PM
File: _2020-05-19_

Last save: 5/19/2020 2:41:31 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25729

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/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	5.73	0.525	9.72	3.51	402.389	6.54
2	8.82	0.169	33.54	12.13	419.738	6.82
3	10.71	0.221	54.79	19.81	942.556	15.32
4	13.84	0.237	36.94	13.35	620.803	10.09
5	15.98	0.288	42.51	15.37	884.822	14.38
6	21.94	0.414	38.46	13.90	1277.956	20.77
7	25.46	0.394	60.66	21.93	1605.232	26.09
7	28.00	0.321	276.62	100.00	6153.497	100.00

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Report date: 5/20/2020 8:45:22 AM
Printed by: wet

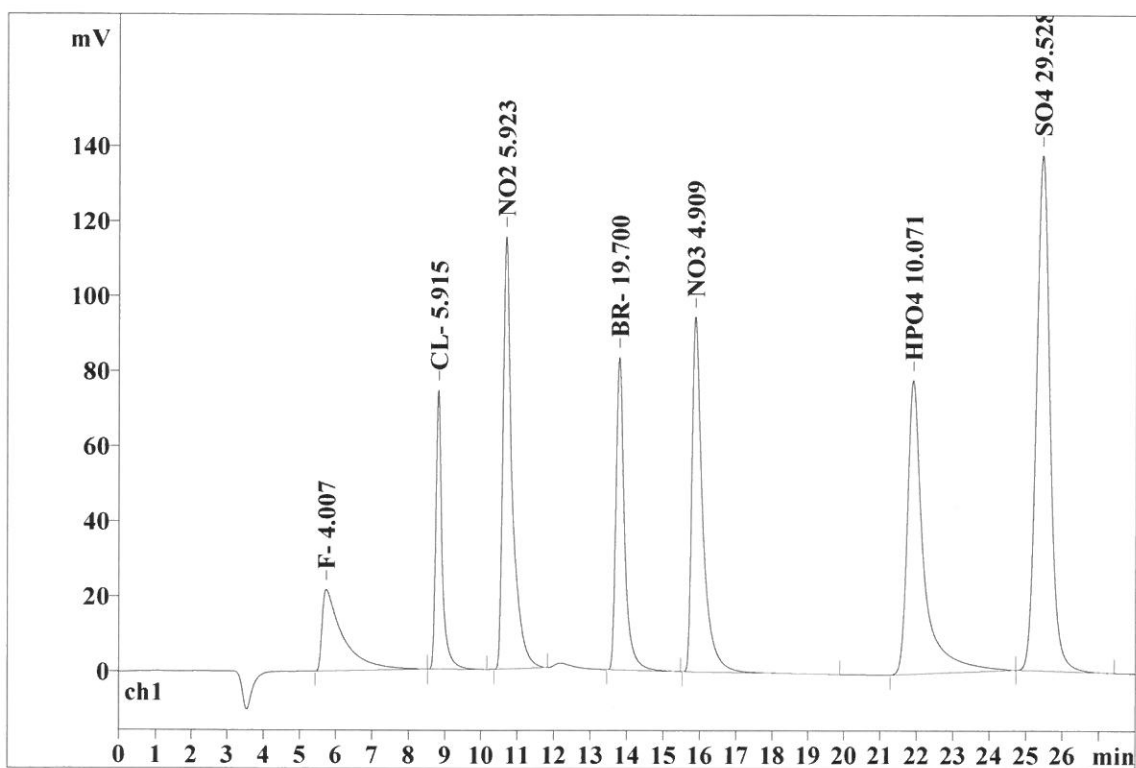
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Analysis from: 5/19/2020 1:04:12 PM
File: _2020-05-19_

Last save: 5/19/2020 2:41:31 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25730

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/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	5.73	0.509	21.71	3.59	860.472	6.53
2	8.80	0.166	74.41	12.30	912.873	6.93
3	10.67	0.236	115.34	19.06	2061.885	15.65
4	13.77	0.230	83.36	13.78	1364.170	10.36
5	15.86	0.281	94.60	15.63	1933.046	14.67
6	21.89	0.398	78.28	12.94	2461.392	18.68
7	25.43	0.387	137.34	22.70	3579.914	27.17
7	28.00	0.315	605.04	100.00	13173.754	100.00

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Printed by: wet

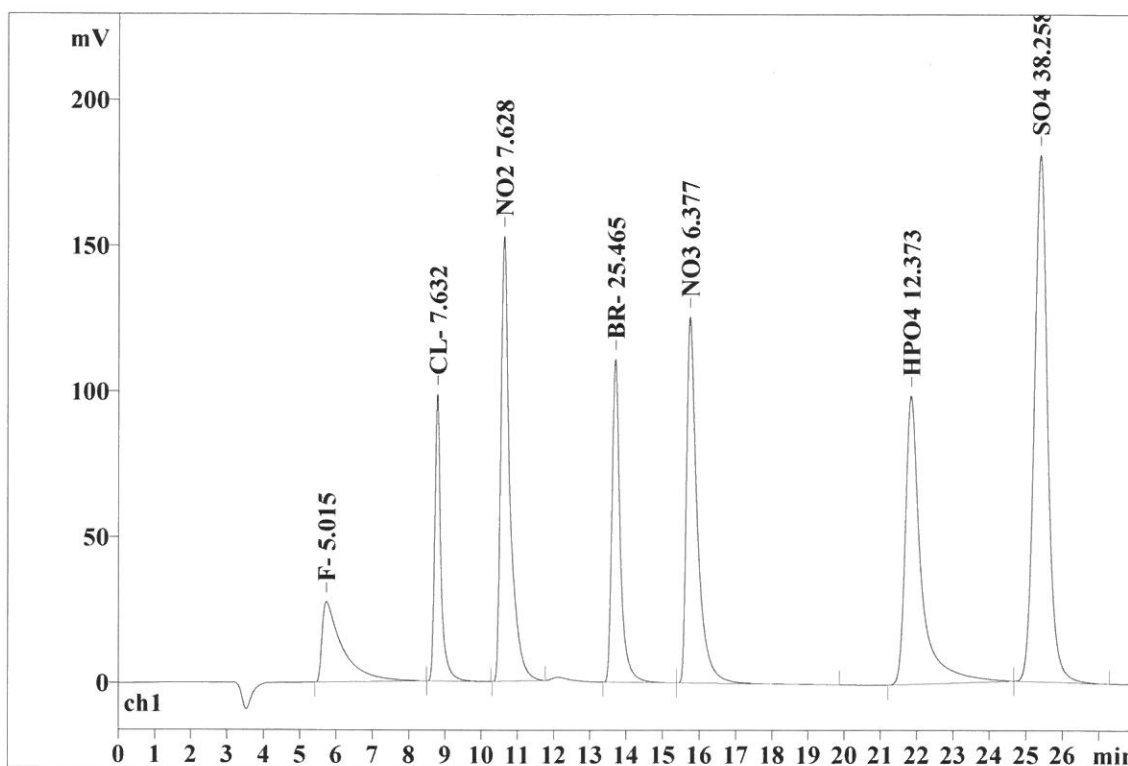
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Analysis from: 5/19/2020 2:11:37 PM
File: _2020-05-19_

Last save: 5/19/2020 4:08:07 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25732

Last save: 5/19/2020 2:02:

SAMPLE:
: AM/AP
Vial number: 148
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	5.73	0.507	27.61	3.47	1081.954	6.39
2	8.76	0.163	98.40	12.38	1184.084	6.99
3	10.60	0.233	152.76	19.22	2670.902	15.77
4	13.68	0.226	110.87	13.95	1774.726	10.48
5	15.73	0.276	125.56	15.79	2526.762	14.92
6	21.82	0.389	98.99	12.45	3021.891	17.85
7	25.36	0.384	180.74	22.74	4671.207	27.59
7	28.00	0.311	794.93	100.00	16931.527	100.00

This report has been created by IC Net
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Report date: 5/20/2020 8:47:05 AM
Printed by: wet

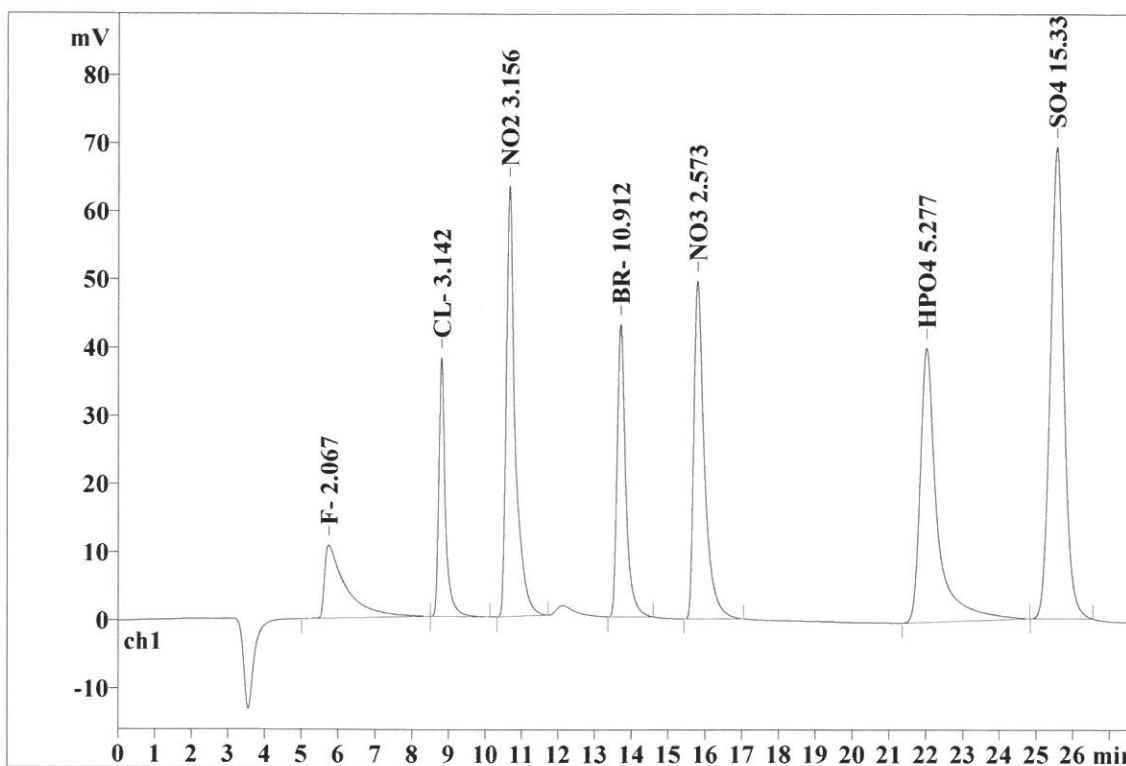
Ident: ICV
Analysis from: 5/19/2020 4:07:13 PM
File: _2020-05-19_

Last save: 5/19/2020 6:53:13 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25735

Last save: 5/19/2020 2:39:

SAMPLE:
: AM/AP
Vial number: 9
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	5.74	0.513	10.75	3.42	434.094	6.42
2	8.78	0.169	37.97	12.09	474.874	7.02
3	10.63	0.221	63.21	20.13	1073.740	15.87
4	13.68	0.232	42.96	13.68	696.175	10.29
5	15.77	0.280	49.61	15.80	988.008	14.60
6	21.99	0.405	40.26	12.82	1294.284	19.13
7	25.53	0.392	69.24	22.05	1805.473	26.68
7	27.70	0.316	314.00	100.00	6766.647	100.00

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Report date: 5/20/2020 8:47:17 AM
Printed by: wet

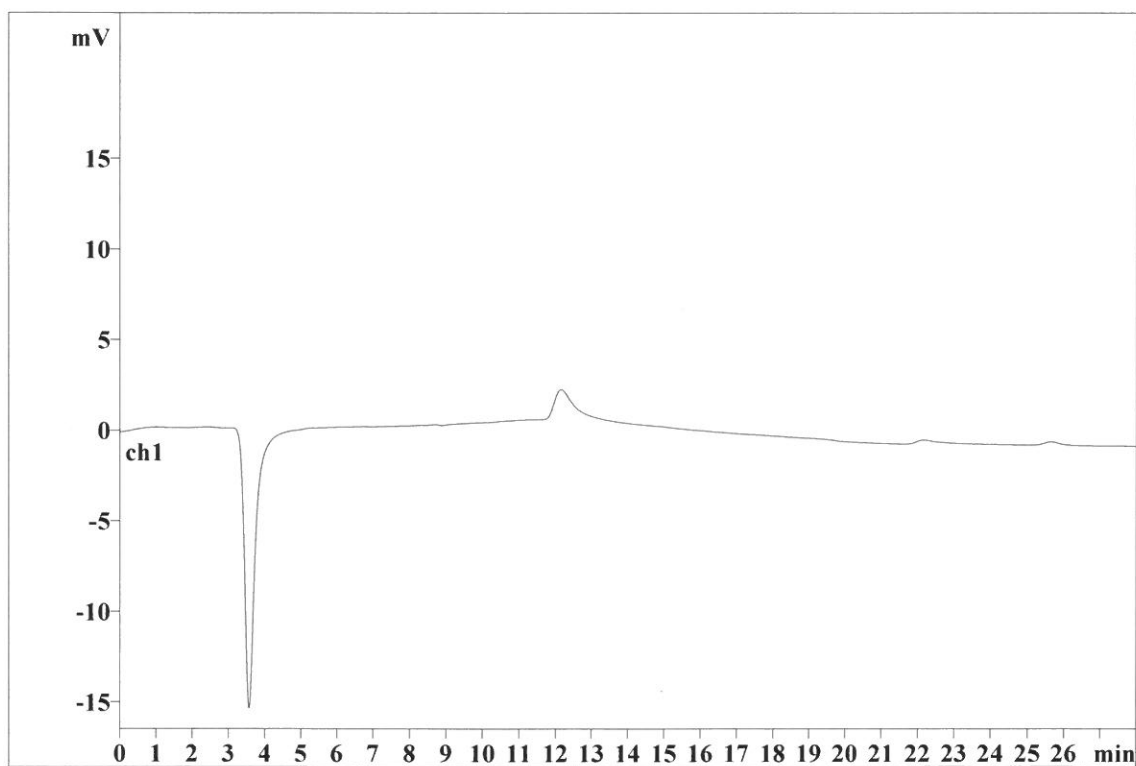
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File: _2020-05-19_

Last save: 5/19/2020 5:05:35 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 25736

Last save: 5/19/2020 2:39:

SAMPLE:
: AM/AP
Vial number: 10
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

31.010

Report date: 6/1/2020 3:30:40 PM
Printed by: wet

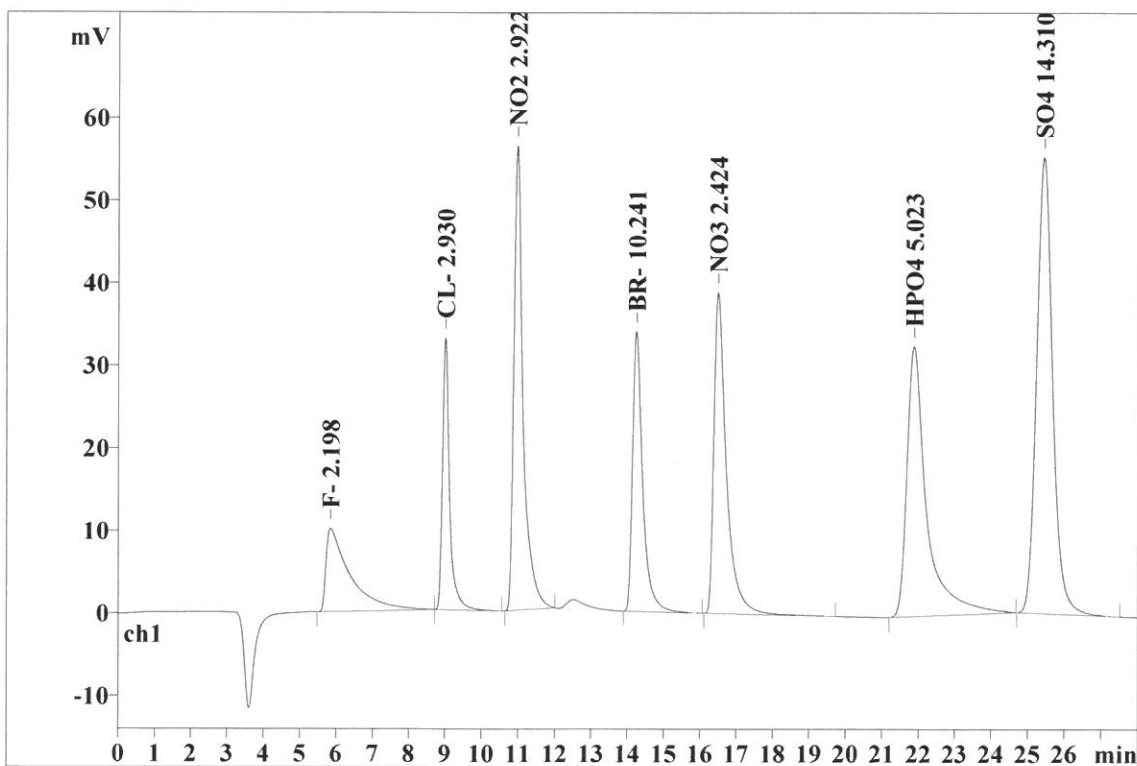
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Analysis from: 6/1/2020 10:32:04 AM
File: _2020-06-01_

Last save: 6/1/2020 11:00:04 AM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26004

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/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	5.84	0.596	10.08	3.88	462.937	7.25
2	9.00	0.183	32.93	12.67	441.436	6.91
3	10.95	0.237	56.27	21.64	990.231	15.51
4	14.23	0.272	33.89	13.04	652.728	10.22
5	16.48	0.331	38.88	14.95	927.431	14.53
6	21.86	0.479	32.70	12.58	1232.412	19.30
7	25.42	0.454	55.25	21.25	1677.670	26.28
7	28.00	0.365	260.01	100.00	6384.845	100.00

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Report date: 6/1/2020 3:30:47 PM
Printed by: wet

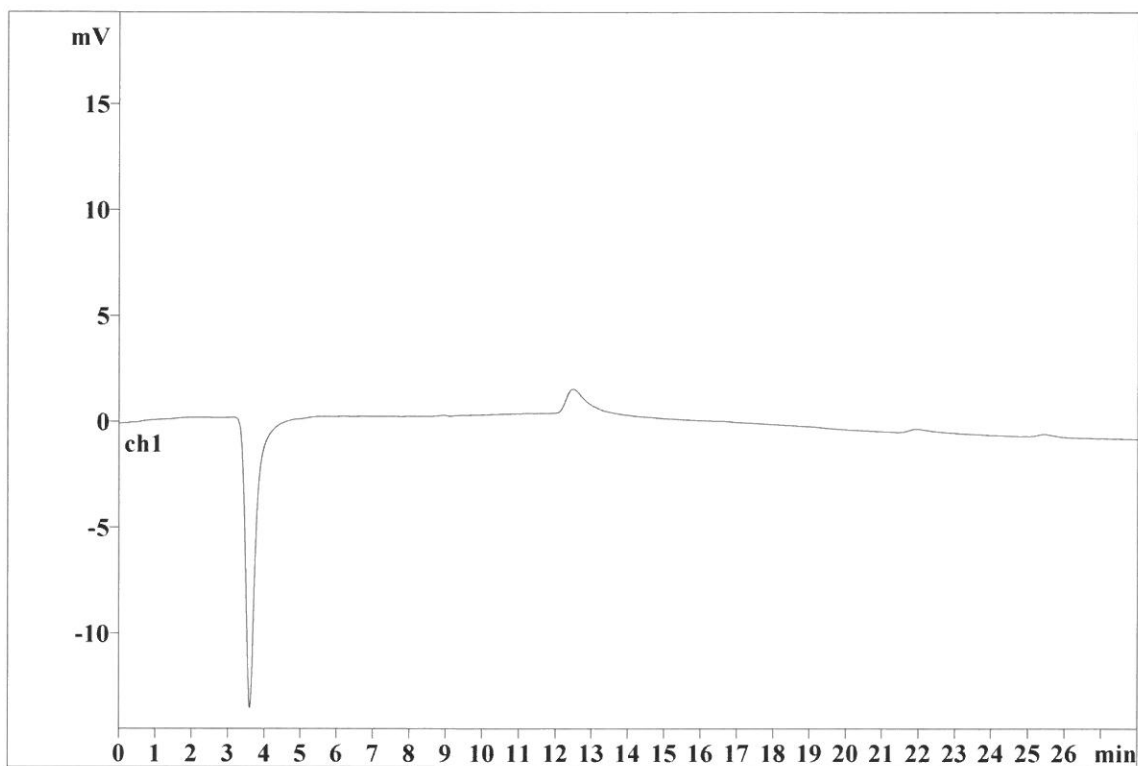
Ident: CCB
Analysis from: 6/1/2020 11:05:50 AM
File: _2020-06-01_

Last save: 6/1/2020 11:33:50 AM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26005

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:38:02 PM
Printed by: wet

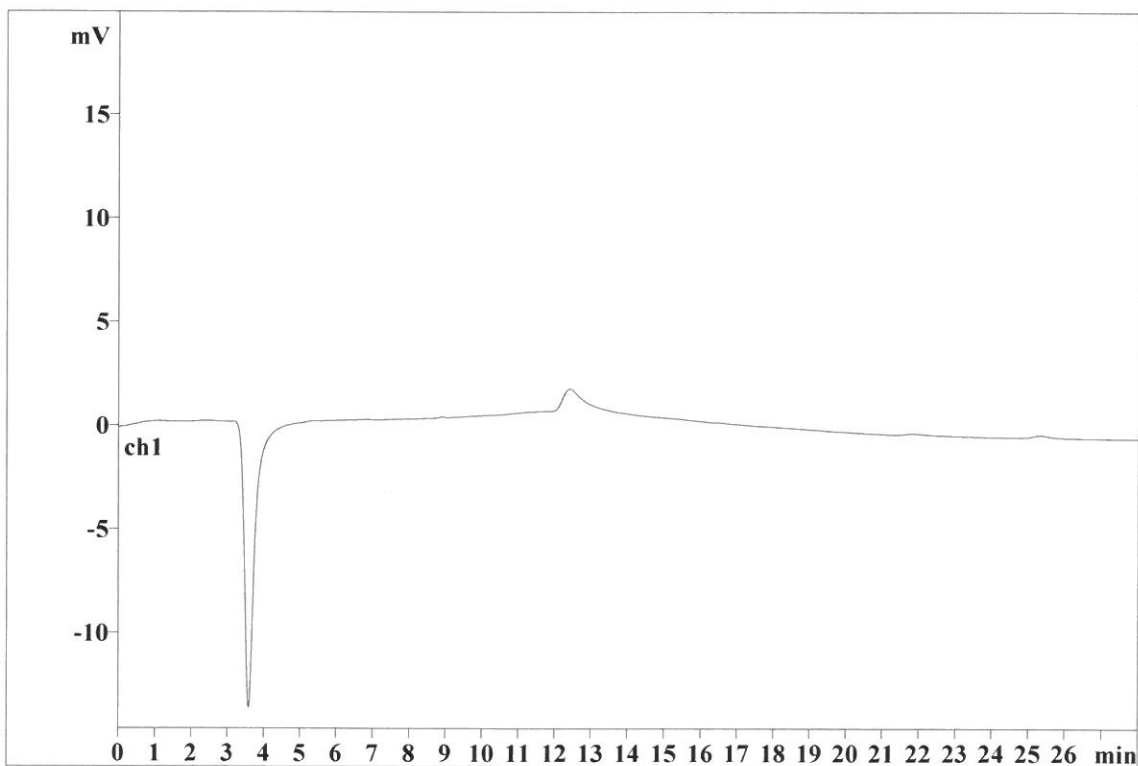
Ident: LB109389BLW
Analysis from: 6/1/2020 11:36:41 AM
File: _2020-06-01_

Last save: 6/1/2020 3:37:54 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26006

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/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: 6/1/2020 3:36:39 PM
Printed by: wet

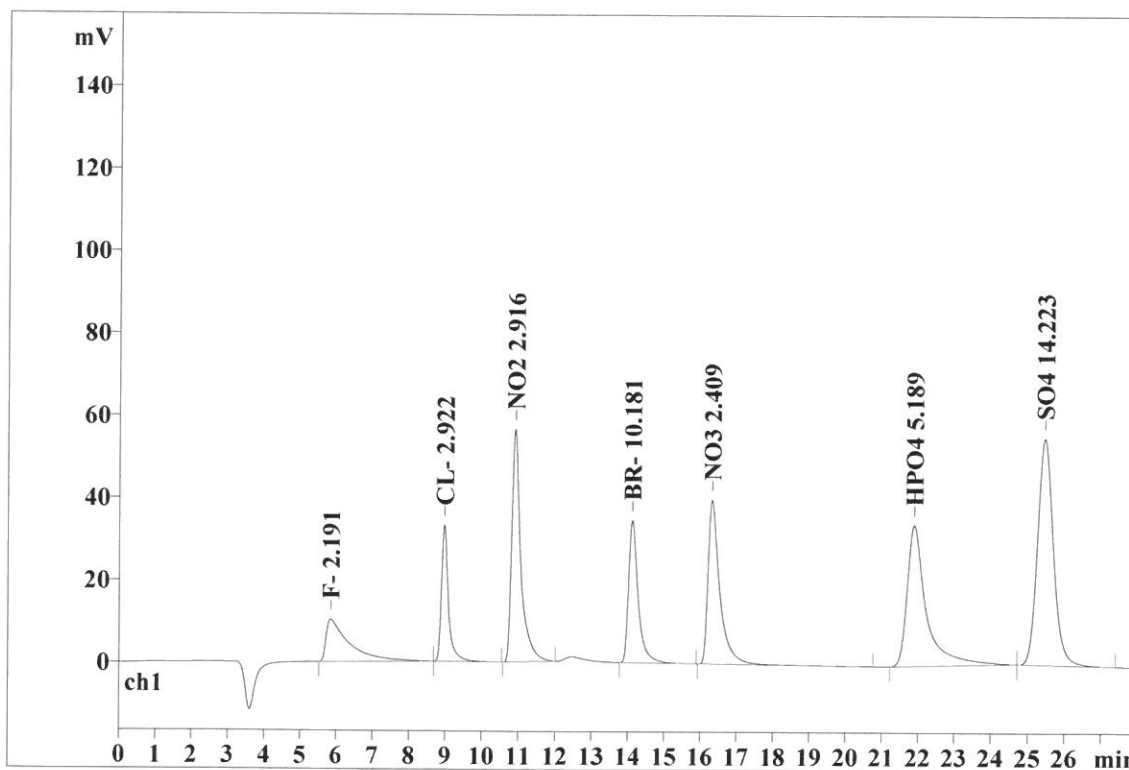
Ident: LB109389BSW
Analysis from: 6/1/2020 12:07:19 PM
File: _2020-06-01_

Last save: 6/1/2020 3:36:26 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26007

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/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	5.84	0.583	10.27	3.90	461.375	7.21
2	8.96	0.182	33.07	12.55	440.131	6.88
3	10.89	0.236	56.52	21.45	988.051	15.44
4	14.11	0.265	34.57	13.12	648.883	10.14
5	16.31	0.322	39.82	15.11	921.700	14.40
6	21.88	0.473	34.22	12.99	1272.886	19.89
7	25.45	0.455	55.03	20.88	1666.708	26.04
7	28.00	0.360	263.50	100.00	6399.734	100.00

This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:34:22 PM
Printed by: wet

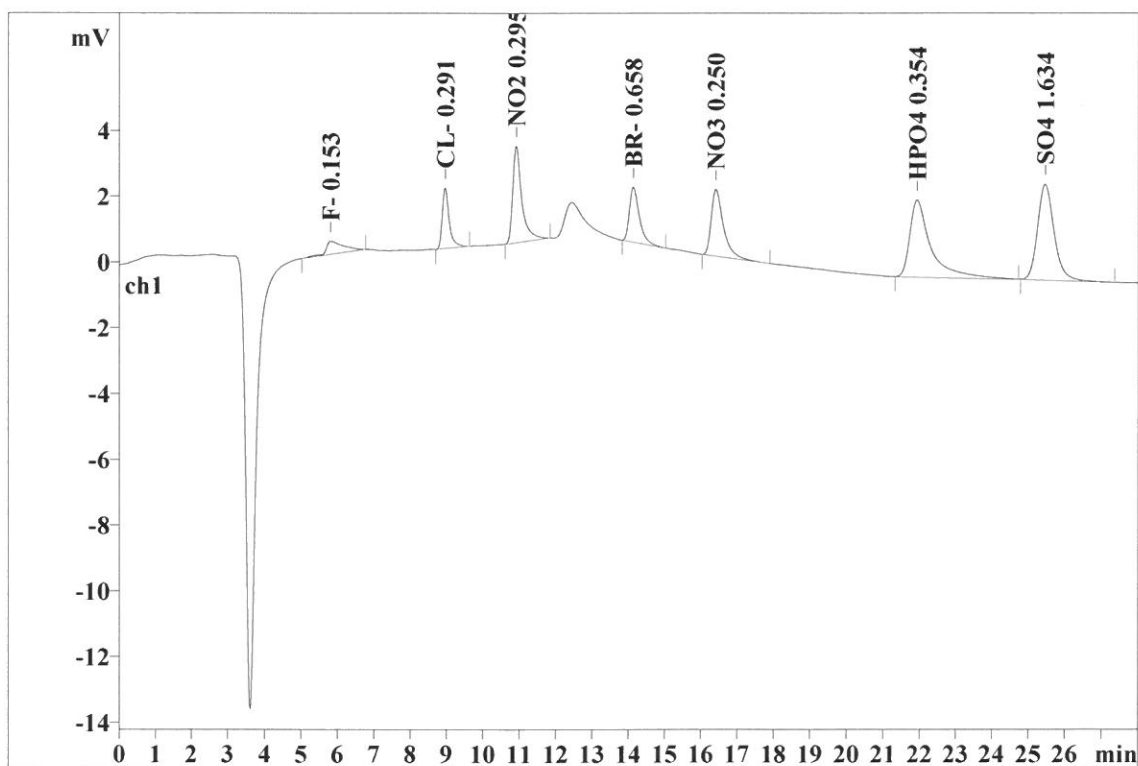
Ident: L2182-07
Analysis from: 6/1/2020 1:16:54 PM
File: _2020-06-01_

Last save: 6/1/2020 1:44:54 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26009

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/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	5.80	0.478	0.40	2.82	13.322	3.71
2	8.94	0.188	1.84	12.99	24.445	6.81
3	10.89	0.240	2.94	20.76	51.637	14.38
4	14.13	0.285	1.68	11.84	32.643	9.09
5	16.40	0.341	2.03	14.36	48.169	13.42
6	21.92	0.520	2.35	16.57	95.664	26.65
7	25.45	0.477	2.92	20.61	93.081	25.93
7	28.00	0.361	14.15	99.94	358.962	100.00

This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:34:29 PM
Printed by: wet

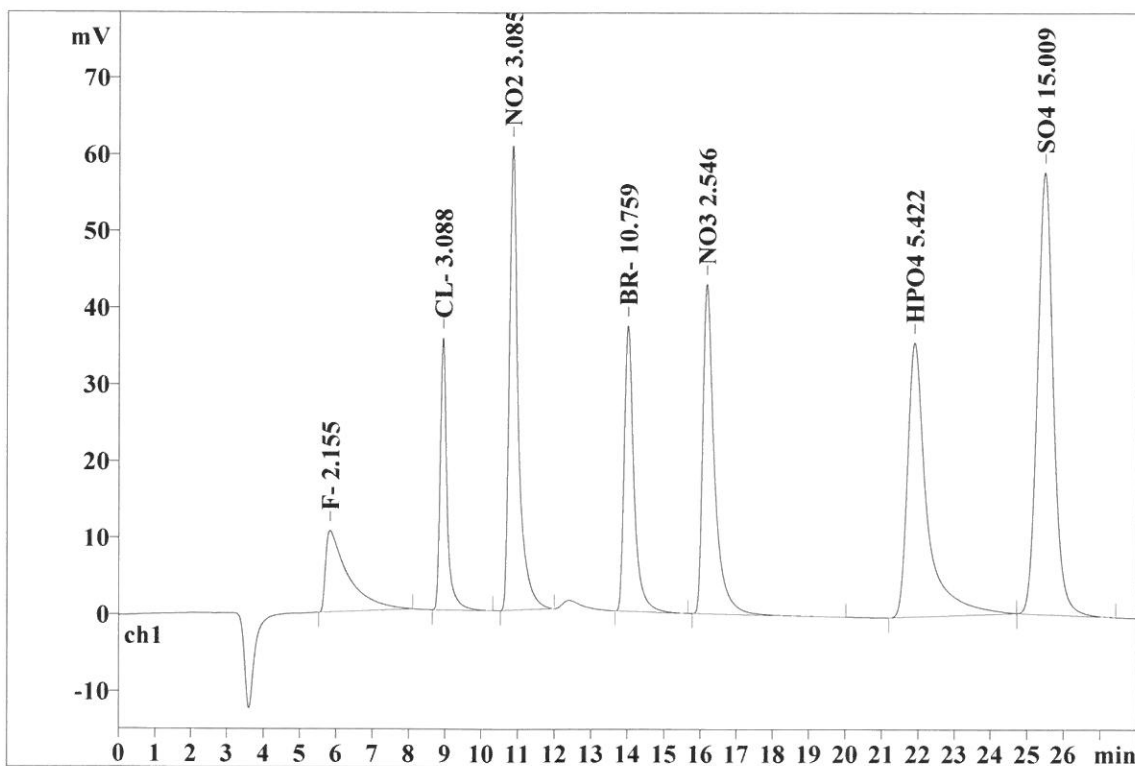
Ident: CCV
Analysis from: 6/1/2020 2:18:36 PM
File: _2020-06-01_

Last save: 6/1/2020 2:47:30 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26011

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/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	5.83	0.564	10.62	3.79	453.292	6.74
2	8.92	0.181	35.48	12.66	466.294	6.93
3	10.83	0.234	60.57	21.61	1048.383	15.59
4	13.99	0.262	37.25	13.29	686.222	10.20
5	16.16	0.317	42.96	15.32	976.884	14.52
6	21.88	0.475	35.78	12.76	1329.668	19.77
7	25.45	0.459	57.67	20.57	1764.974	26.24
7	28.00	0.356	280.32	100.00	6725.717	100.00

This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:34:36 PM
Printed by: wet

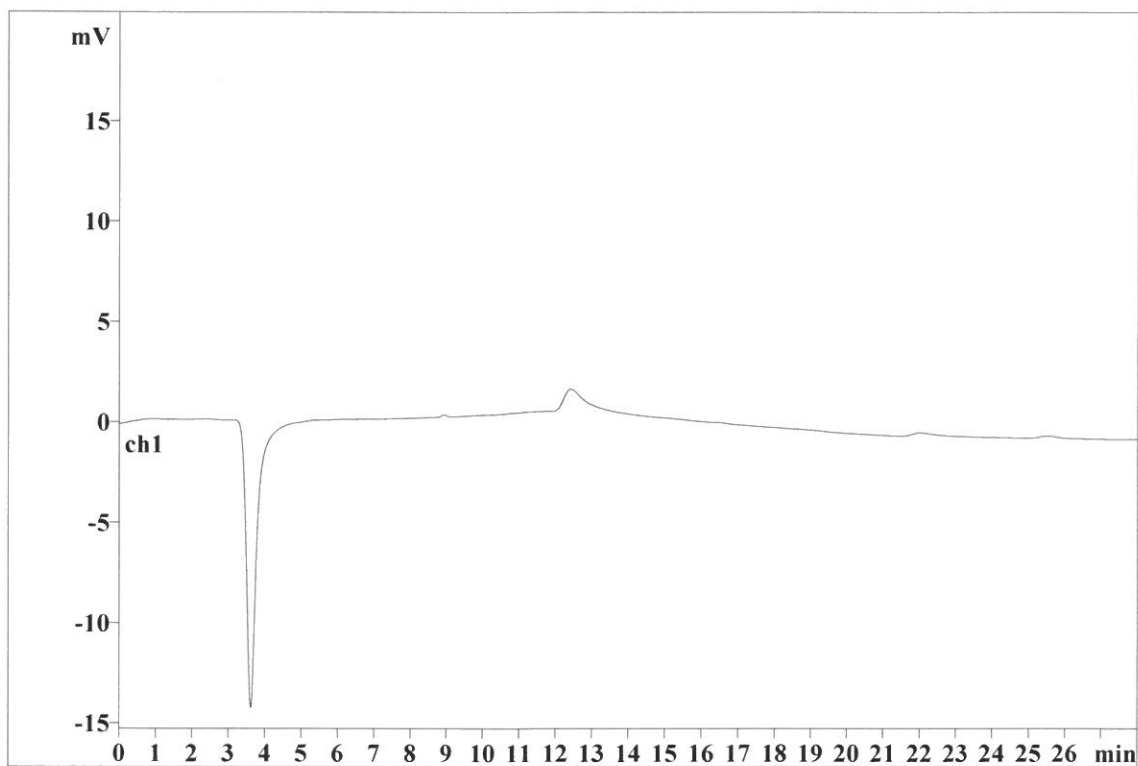
Ident: CCB
Analysis from: 6/1/2020 2:50:29 PM
File: _2020-06-01_

Last save: 6/1/2020 3:18:30 PM

Method: AnionsIC2-051920.mtw
Run operator: wet
Analysis number: 26012

Last save: 5/26/2020 4:03:

SAMPLE:
: AM/AP
Vial number: 3
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

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