IC-2
9056A
6/02/2020
AM

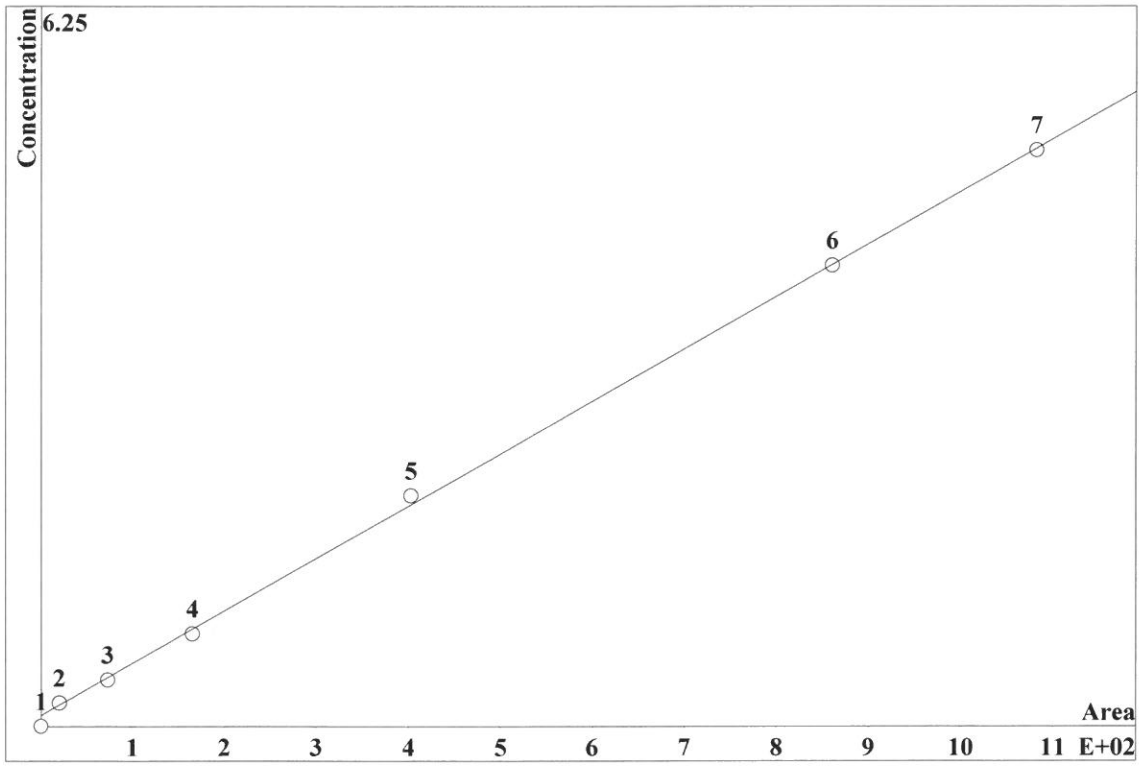
Clear table

ident	concentration F-	concentration CL-	concentration NO2	concentration BR-	concentration NO3	concentration HPO4	concentration 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
LB109388BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2020-06-01_	6/1/20 11:36	5.00g/100m	AM/AP
LB109388BSW	2.1910	2.9220	2.9160	10.1810	2.4090	5.1890	14.2230	_2020-06-01_	6/1/20 12:07	5.00g/100m	AM/AP
L2182-01	0.1710	0.2870	0.2900	0.6460	0.2610	0.3390	1.5920	_2020-06-01_	6/1/20 12:46	5.00g/100m	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

IC-2
M300.0
5/20/2020
AM

CALIBRATION OF COMPONENT F-

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

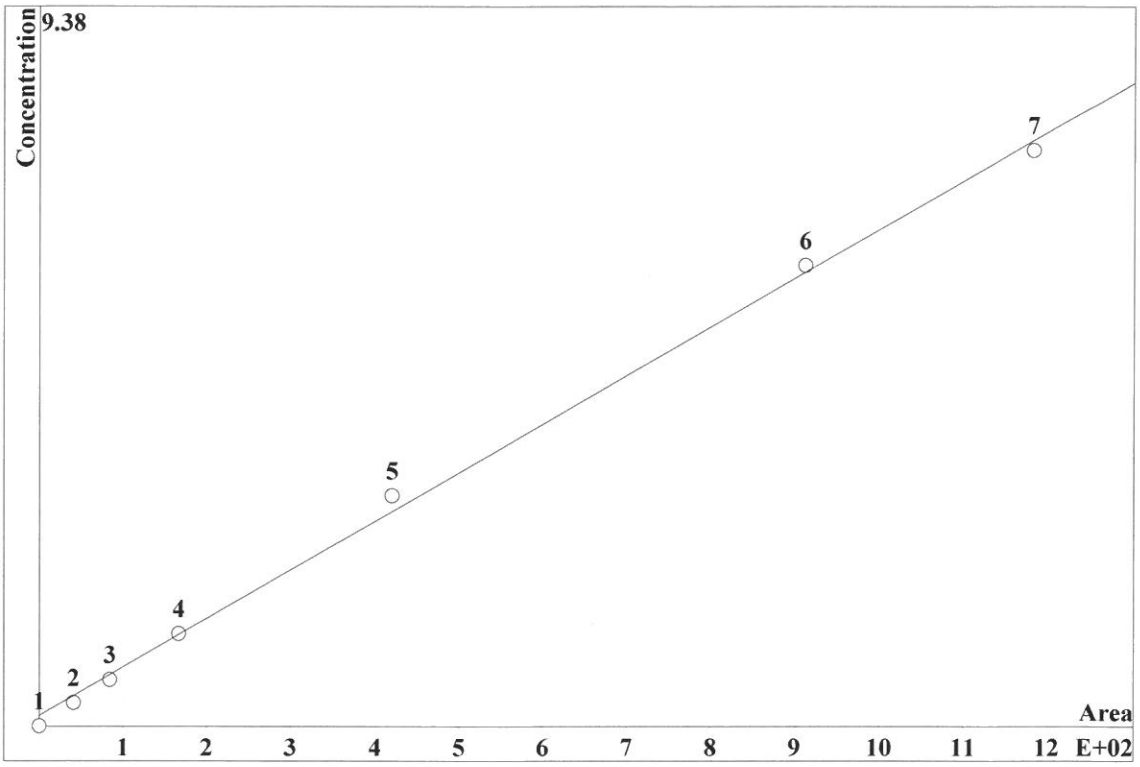


K3 = 0 K2 = 0 K1 = 0.0909942 K0 = 1.84464
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

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·A + 2.72055
RSD: 4.608 %
Correlation coefficient: 0.999102

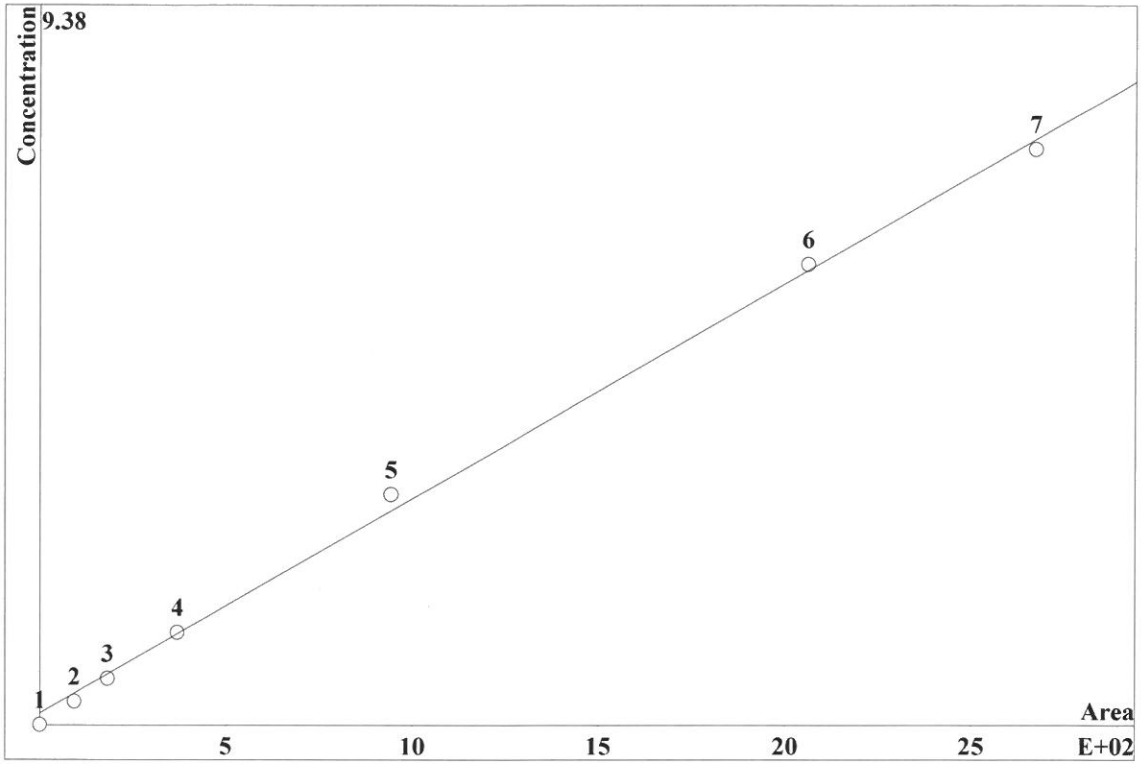


K3 = 0 K2 = 0 K1 = 0.126605 K0 = 2.72055
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

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·A + 2.98338
RSD: 4.665 %
Correlation coefficient: 0.999080

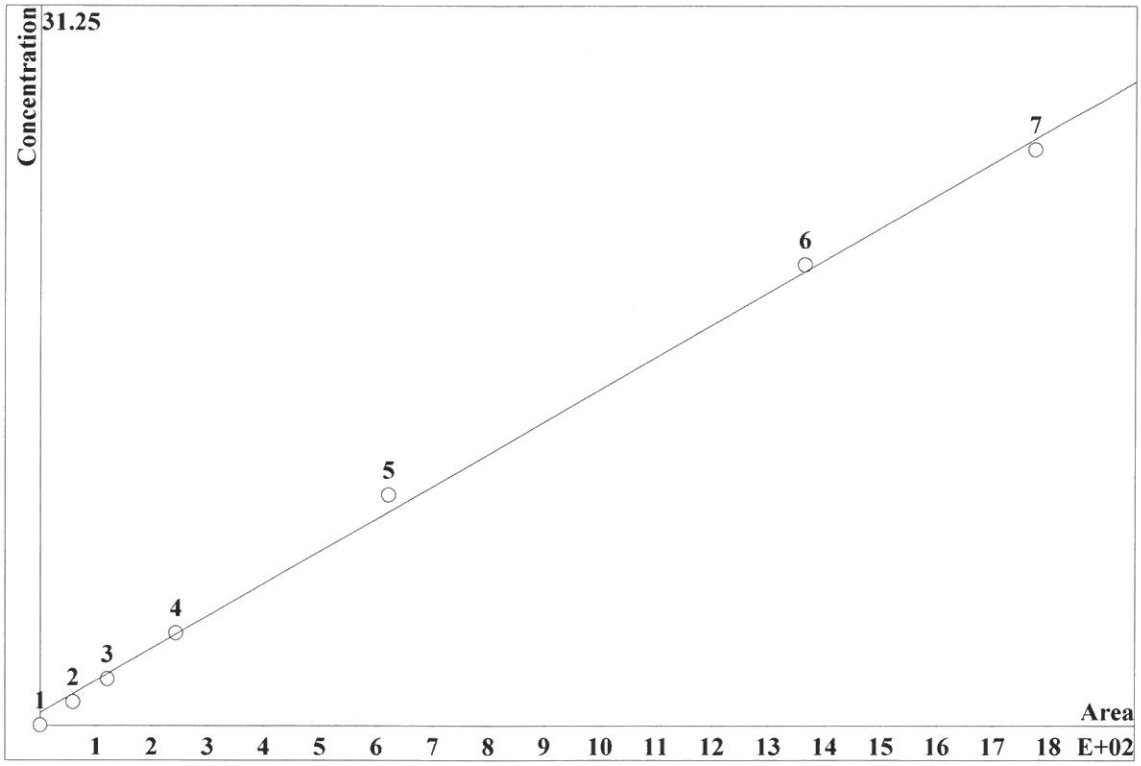


K3 = 0 K2 = 0 K1 = 0.0560022 K0 = 2.98338
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	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·A + 10.8654
RSD: 4.955 %
Correlation coefficient: 0.998962

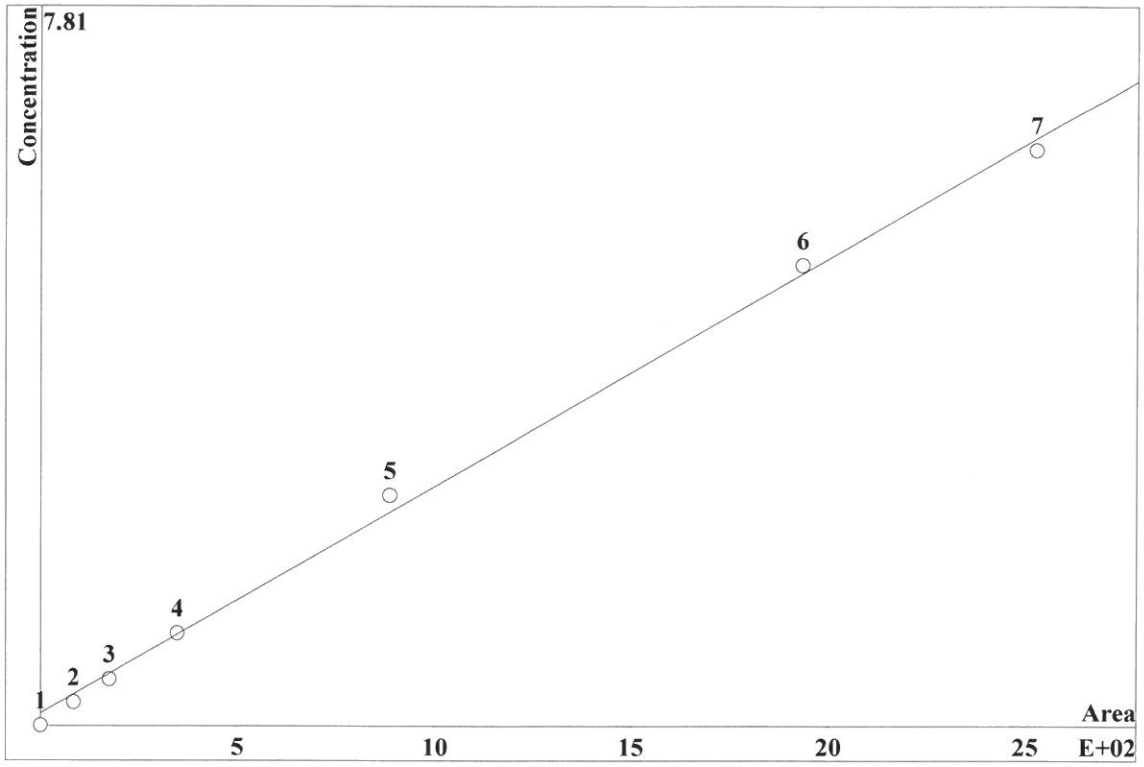


K3 = 0 K2 = 0 K1 = 0.280857 K0 = 10.8654
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	3.14	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·A + 2.62515
RSD: 5.111 %
Correlation coefficient: 0.998895

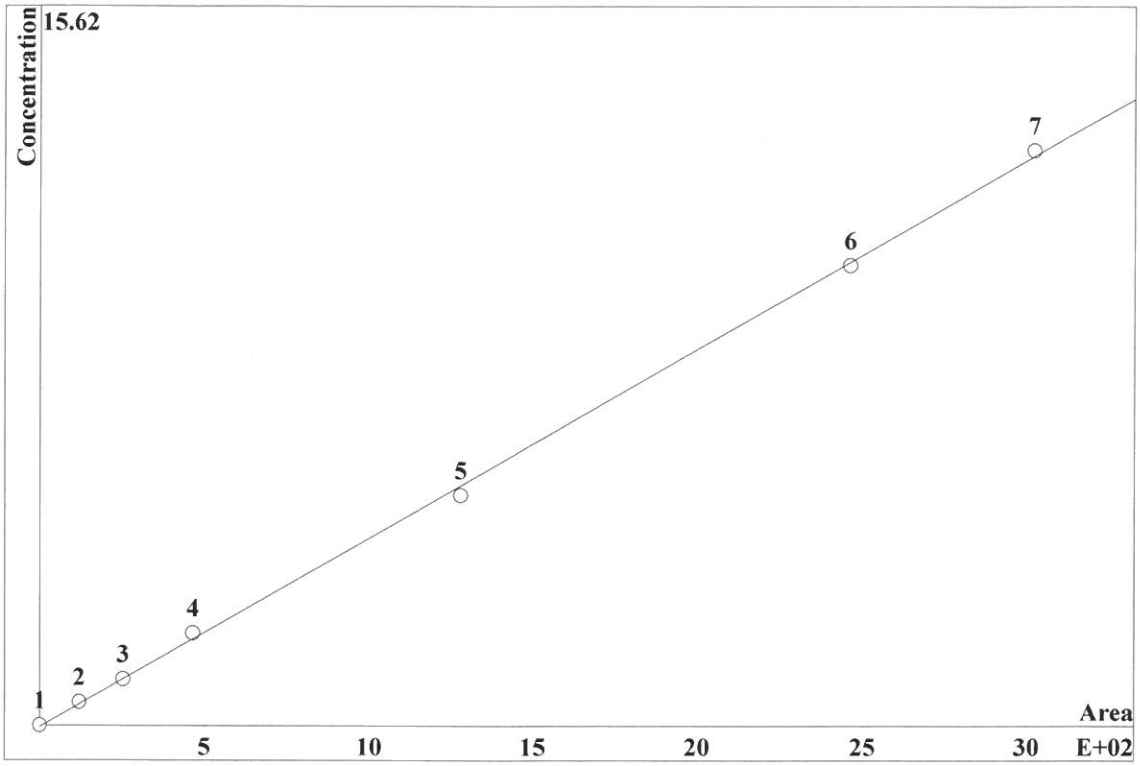


K3 = 0 K2 = 0 K1 = 0.0494351 K0 = 2.62515
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

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·A - 0.783919
RSD: 2.777 %
Correlation coefficient: 0.999674

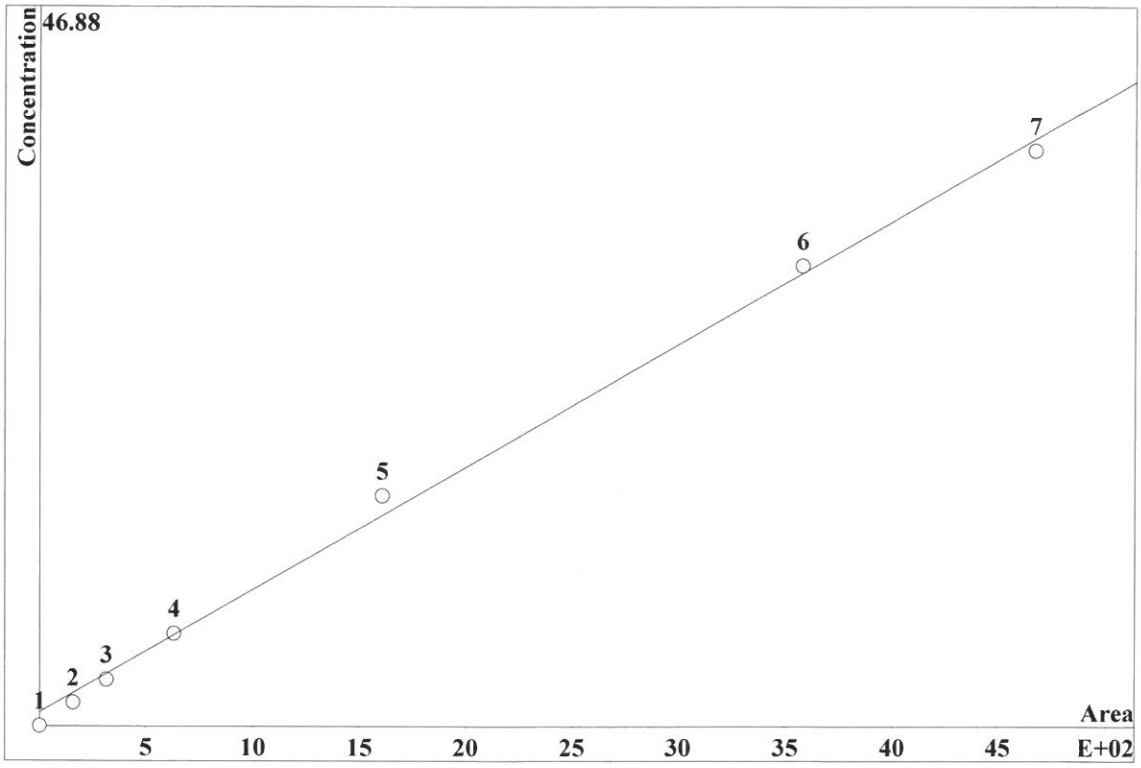


K3 = 0 K2 = 0 K1 = 0.0821496 K0 = -0.783919
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

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·A + 17.7893
RSD: 5.579 %
Correlation coefficient: 0.998684



K3 = 0 K2 = 0 K1 = 0.159995 K0 = 17.7893
Base: Area
Ref.channel: ch1
ISTD:
Formula: Linear
Weight: 1

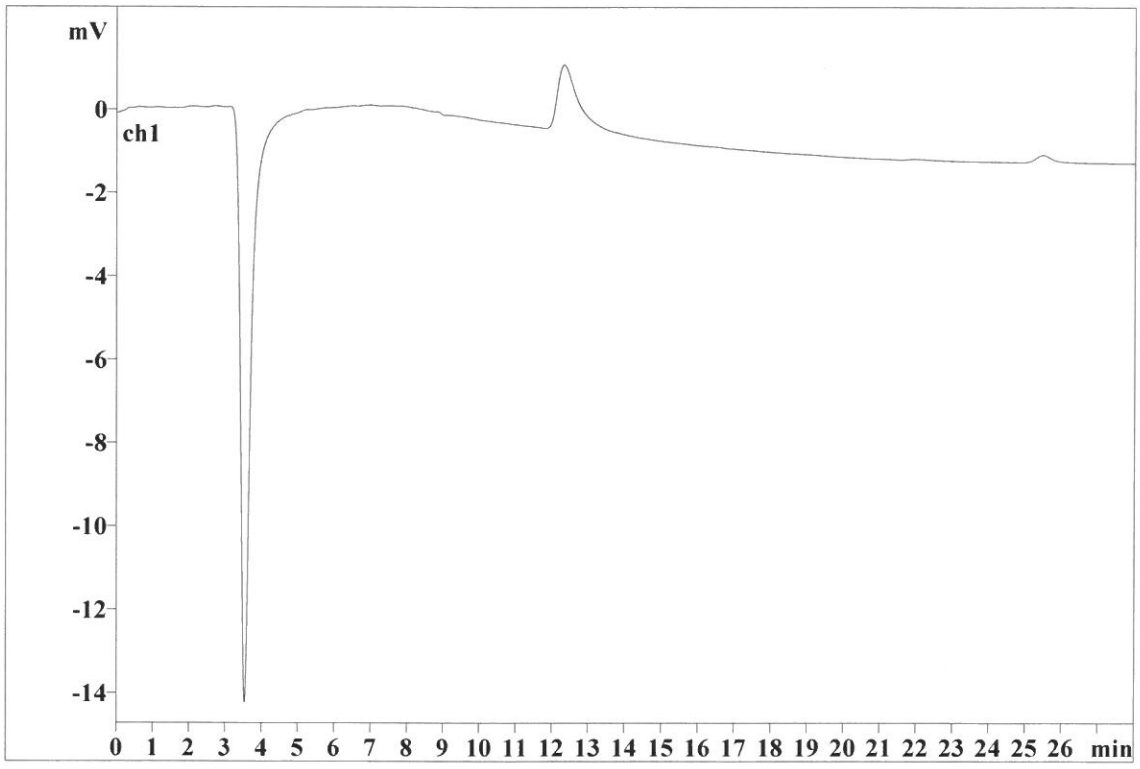
Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		0
2	5.628	157.1	1.5	20	24.57		
3	11.43	314	3	20	24.57		
4	23.33	630.8	6	20	24.57		
5	60.66	1605	15	20	24.57		
6	137.3	3580	30	20	24.57		
7	180.7	4671	37.5	20	24.57		

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

Ident: STD1
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 Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25722

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



Quantitation method: Custom

No peaks

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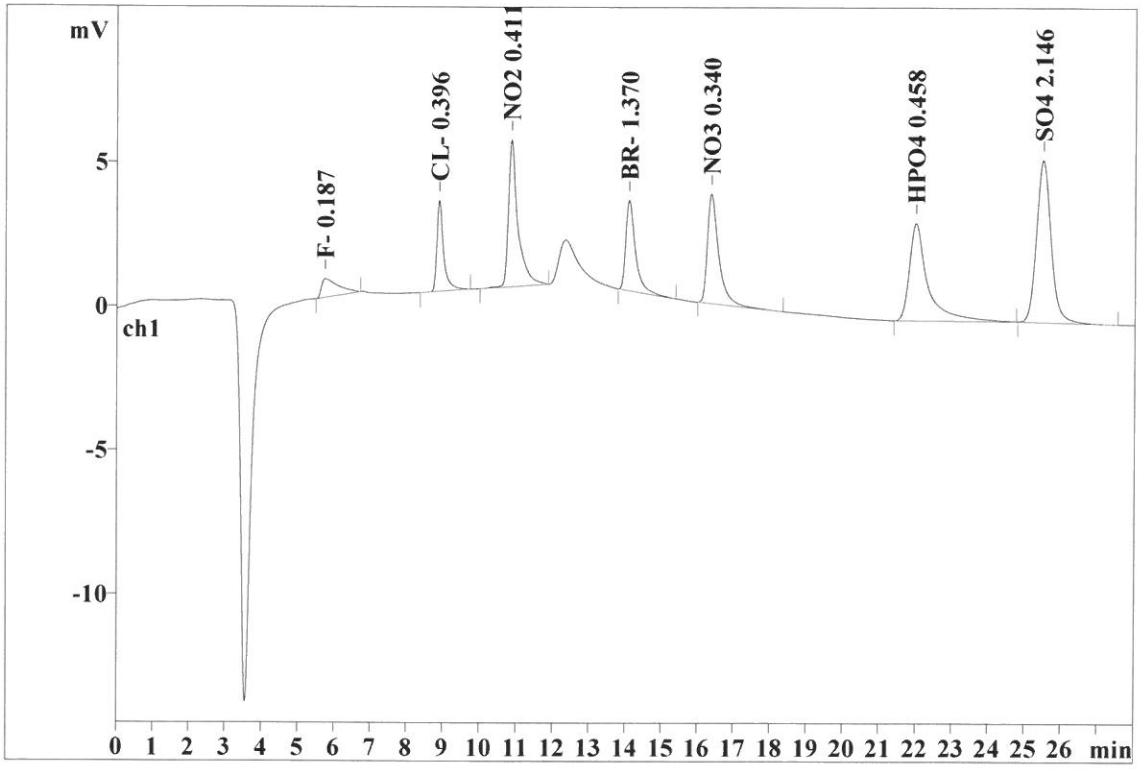
Report date: 5/20/2020 8:44:55 AM
Printed by: wet

Ident: STD2
Analysis from: 5/19/2020 10:22:50 AM
File: _2020-05-19_ Last save: 5/19/2020 2:41:31 PM

Method: AnionsIC2-051920.mtw Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25723

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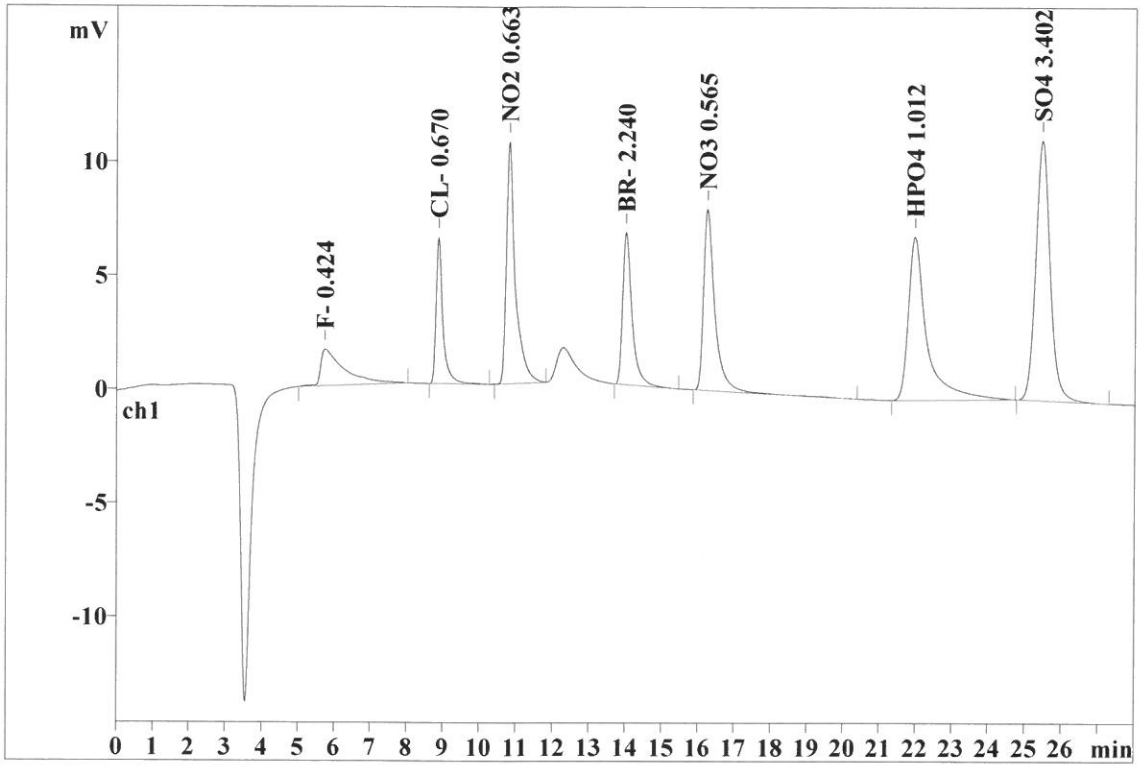
Report date: 5/20/2020 8:45:02 AM
Printed by: wet

Ident: STD3
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 Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25724

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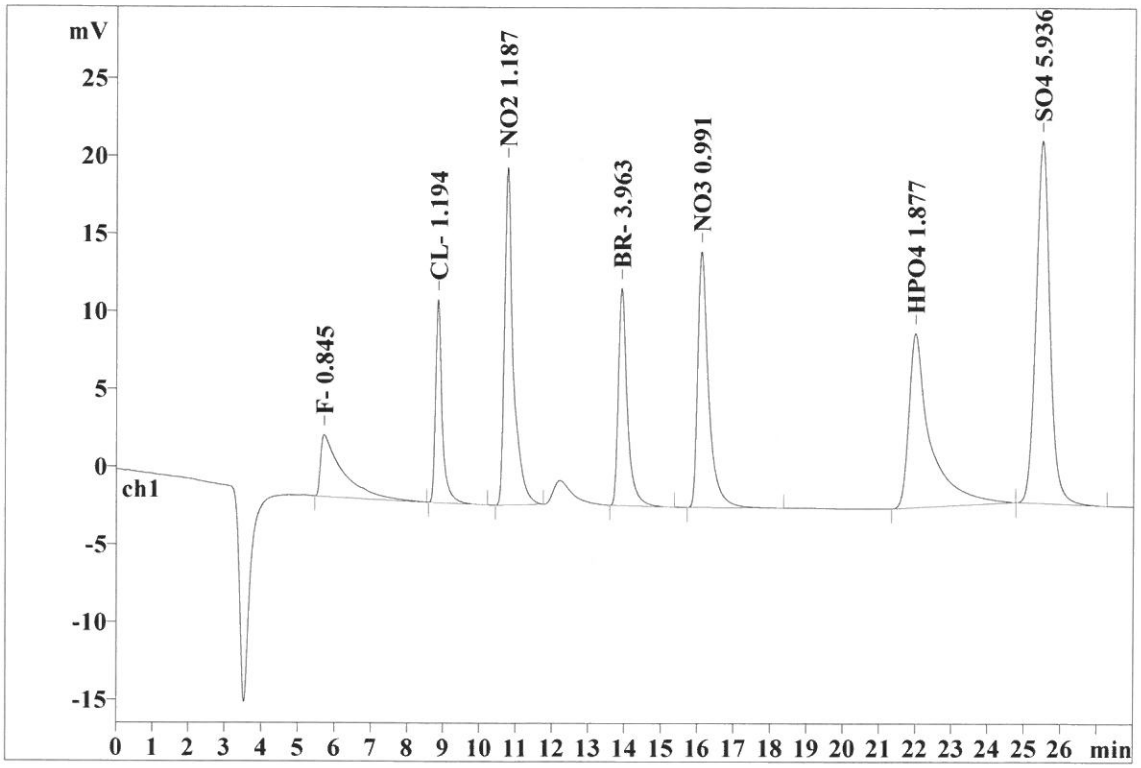
Report date: 5/20/2020 8:45:09 AM
Printed by: wet

Ident: STD4
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 Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25728

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

This report has been created by IC Net
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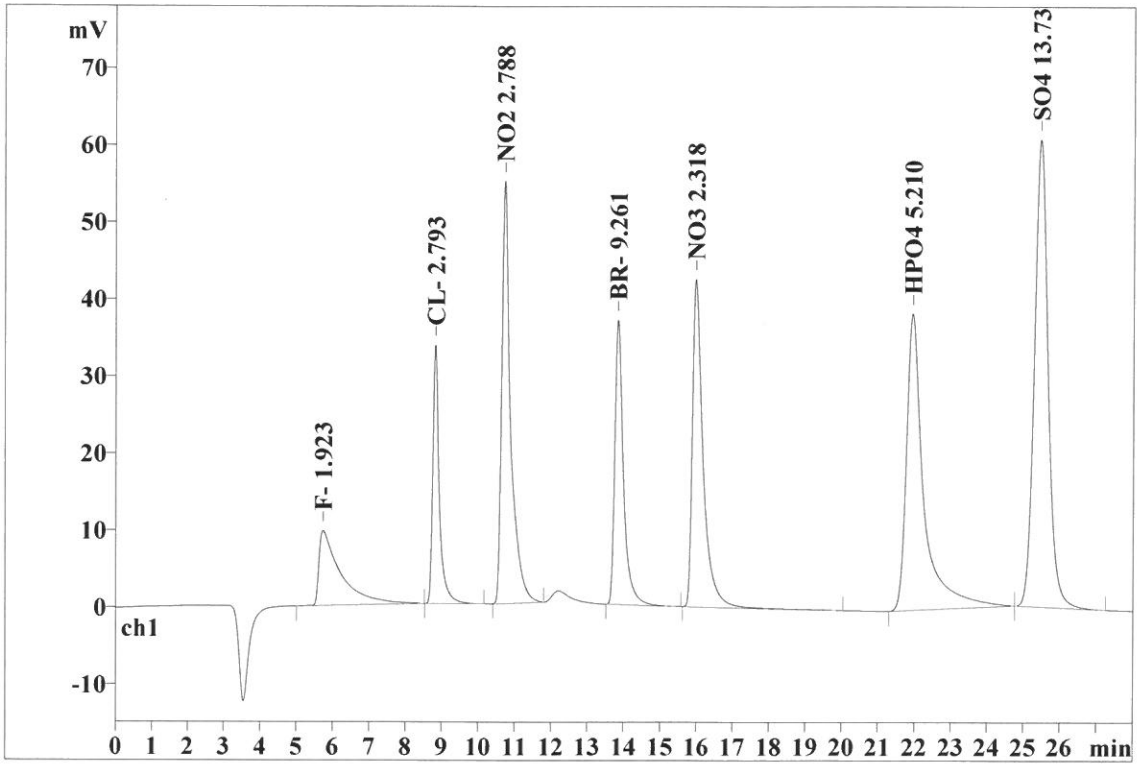
Report date: 5/20/2020 8:45:16 AM
Printed by: wet

Ident: STD5
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 Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25729

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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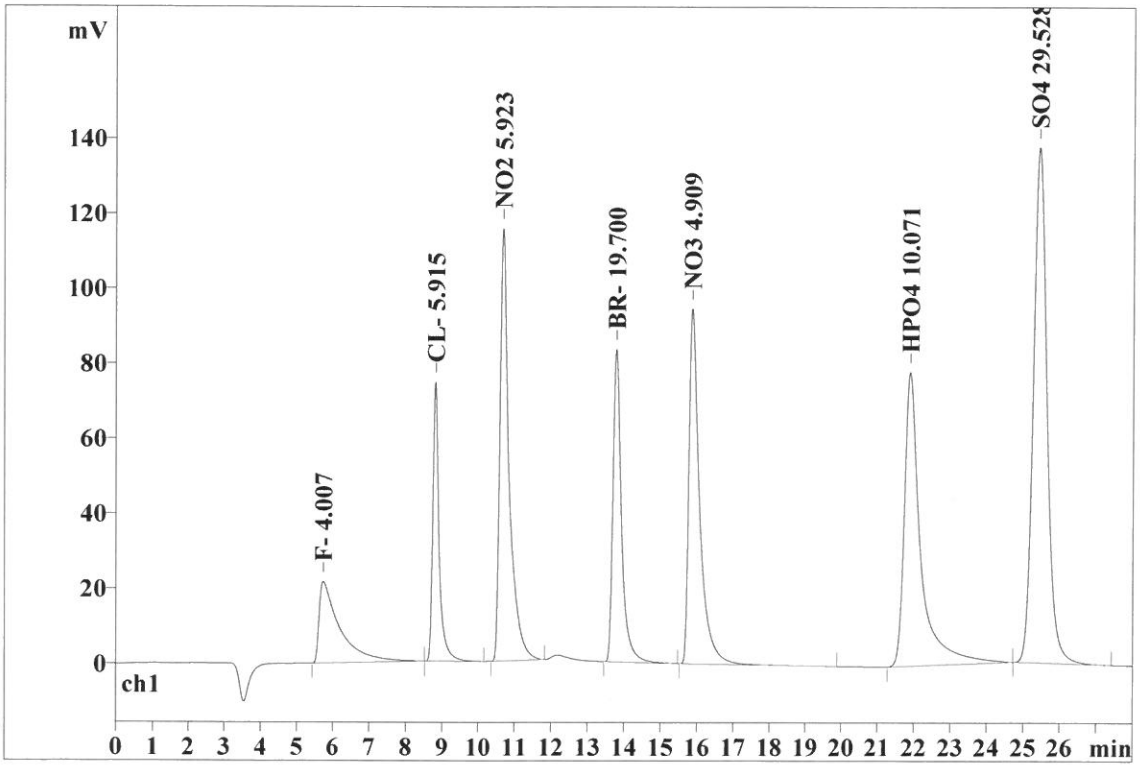
METROHM LTD

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

Ident: STD6
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 Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25730

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

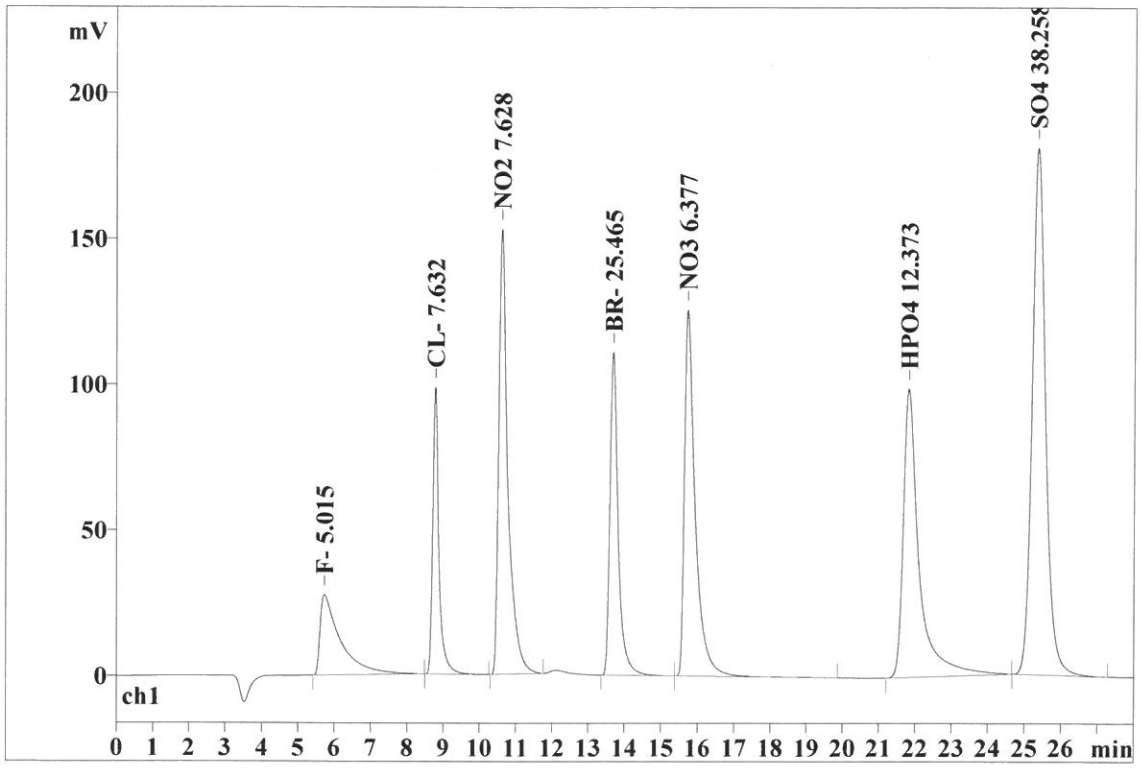
This report has been created by IC Net
METROHM LTD

Report date: 5/20/2020 8:45:29 AM
Printed by: wet

Ident: STD7
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 Last save: 5/19/2020 2:02:
Run operator: wet
Analysis number: 25732

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

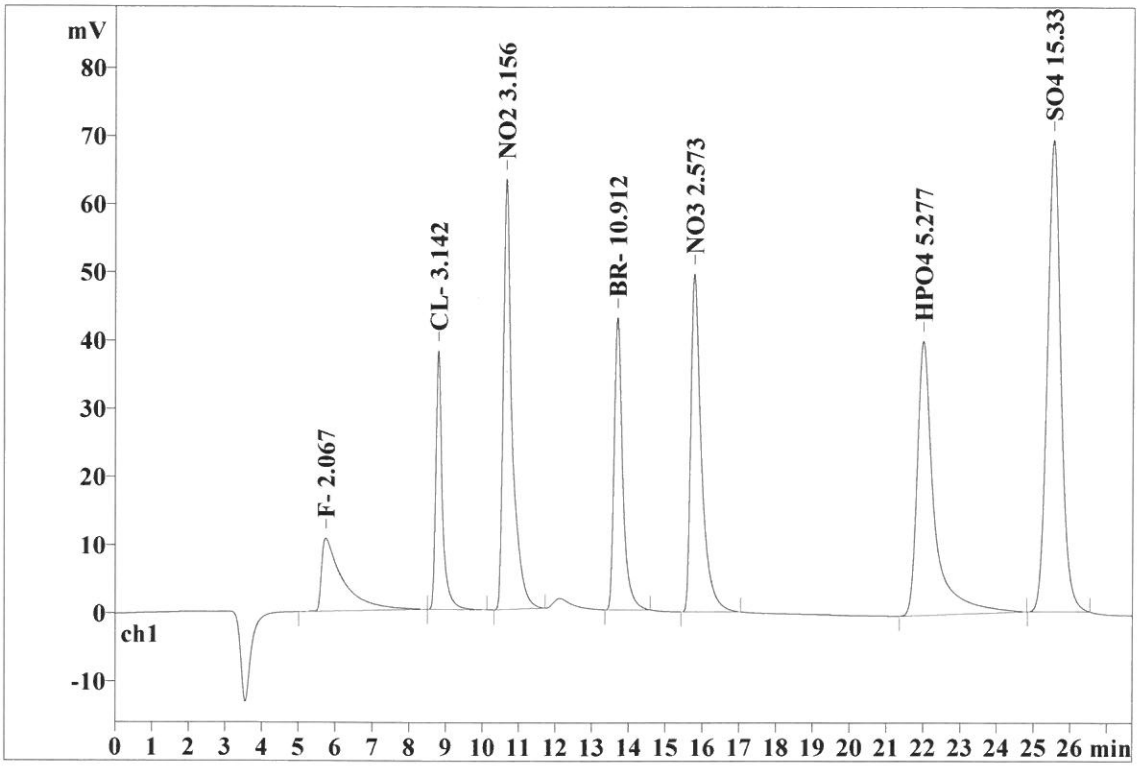
This report has been created by IC Net
METROHM LTD

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 Last save: 5/19/2020 2:39:
Run operator: wet
Analysis number: 25735

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

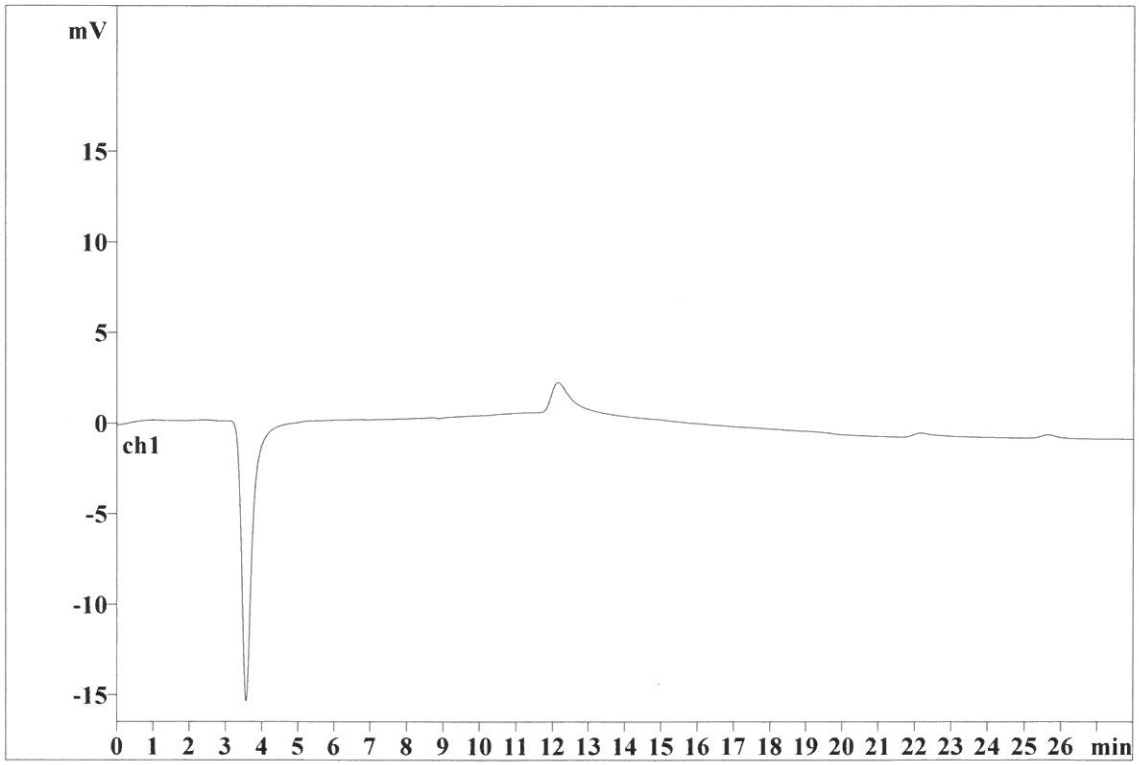
This report has been created by IC Net
METROHM LTD

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

Ident: ICB
Analysis from: 5/19/2020 4:37:34 PM
File: _2020-05-19_ Last save: 5/19/2020 5:05:35 PM

Method: AnionsIC2-051920.mtw Last save: 5/19/2020 2:39:
Run operator: wet
Analysis number: 25736

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



Quantitation method: Custom

No peaks

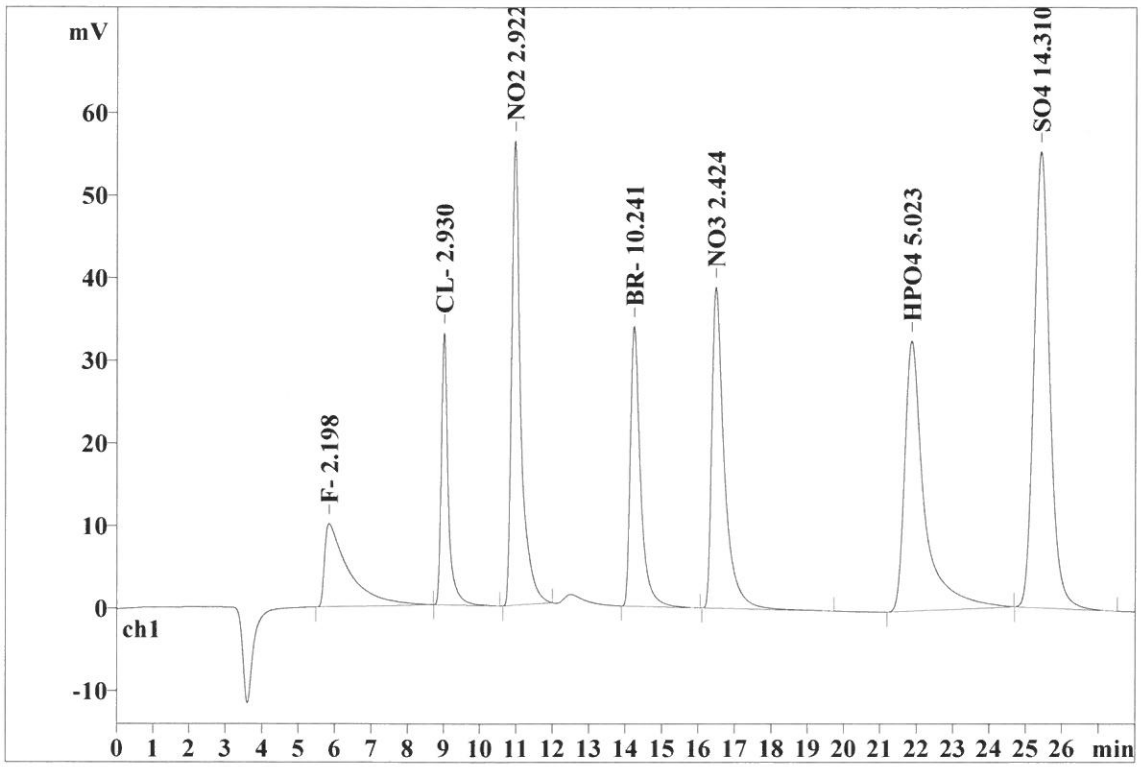
This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:28:57 PM
Printed by: wet

Ident: CCV
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 Last save: 5/26/2020 4:03:
Run operator: wet
Analysis number: 26004

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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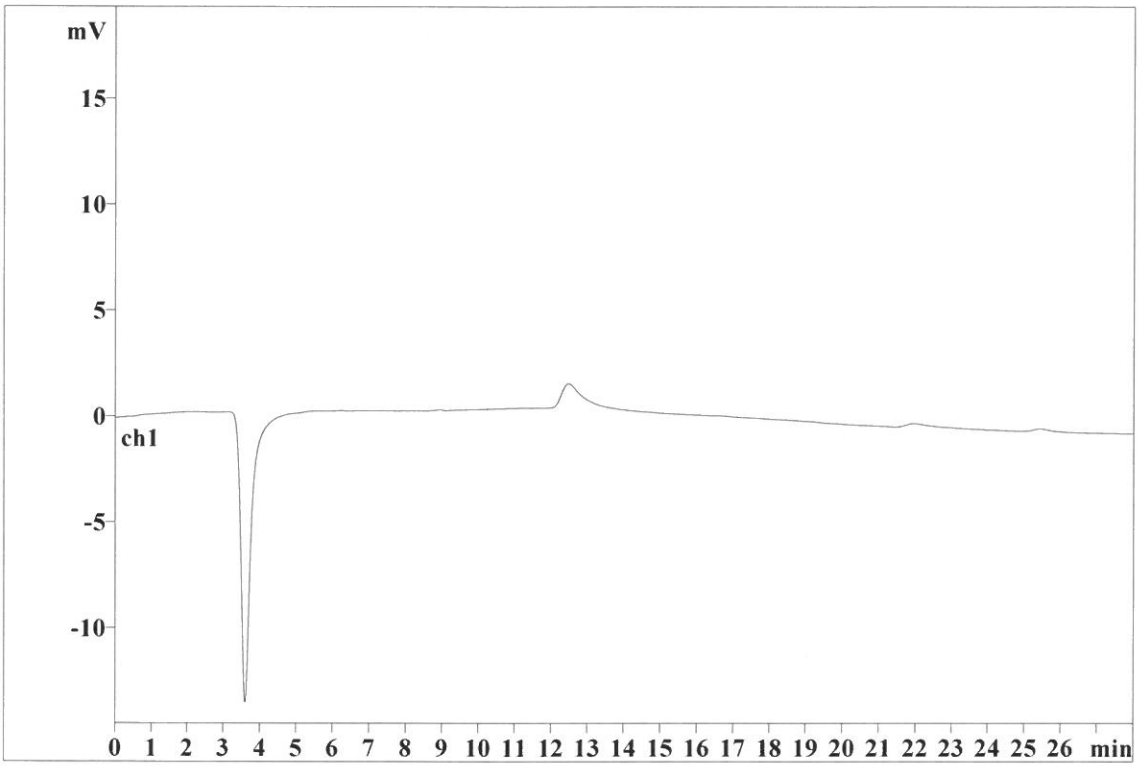
METROHM LTD

Report date: 6/1/2020 3:29:06 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 Last save: 5/26/2020 4:03:
Run operator: wet
Analysis number: 26005

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

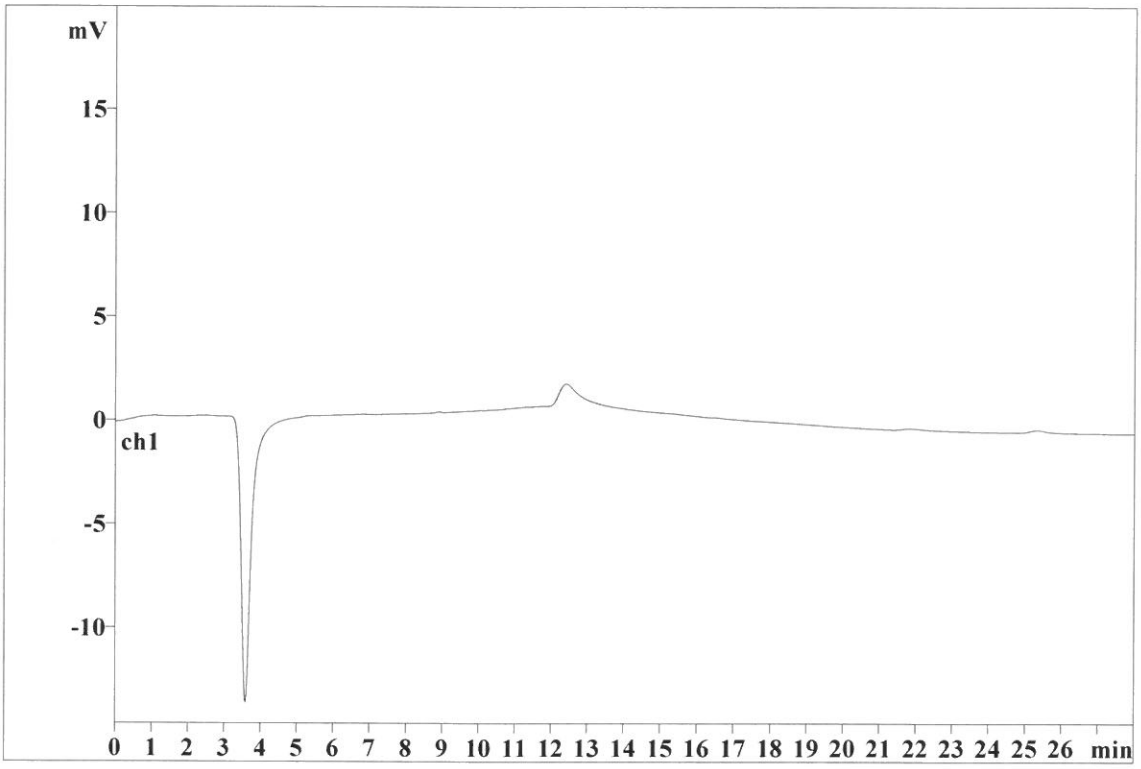


Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date:	6/1/2020 3:29:15 PM
Printed by:	wet
Ident:	LB109388BLS
Analysis from:	6/1/2020 11:36:41 AM
File:	_2020-06-01_ Last save: 6/1/2020 3:28:41 PM
Method:	AnionsIC2-051920.mtw Last save: 5/26/2020 4:03:
Run operator:	wet
Analysis number:	26006
SAMPLE:	5.0g/100mL
:	AM/AP
Vial number:	4
Volume:	20.0 µL
Dilution:	1.00
Amount:	1.0000



Quantitation method: Custom

No peaks

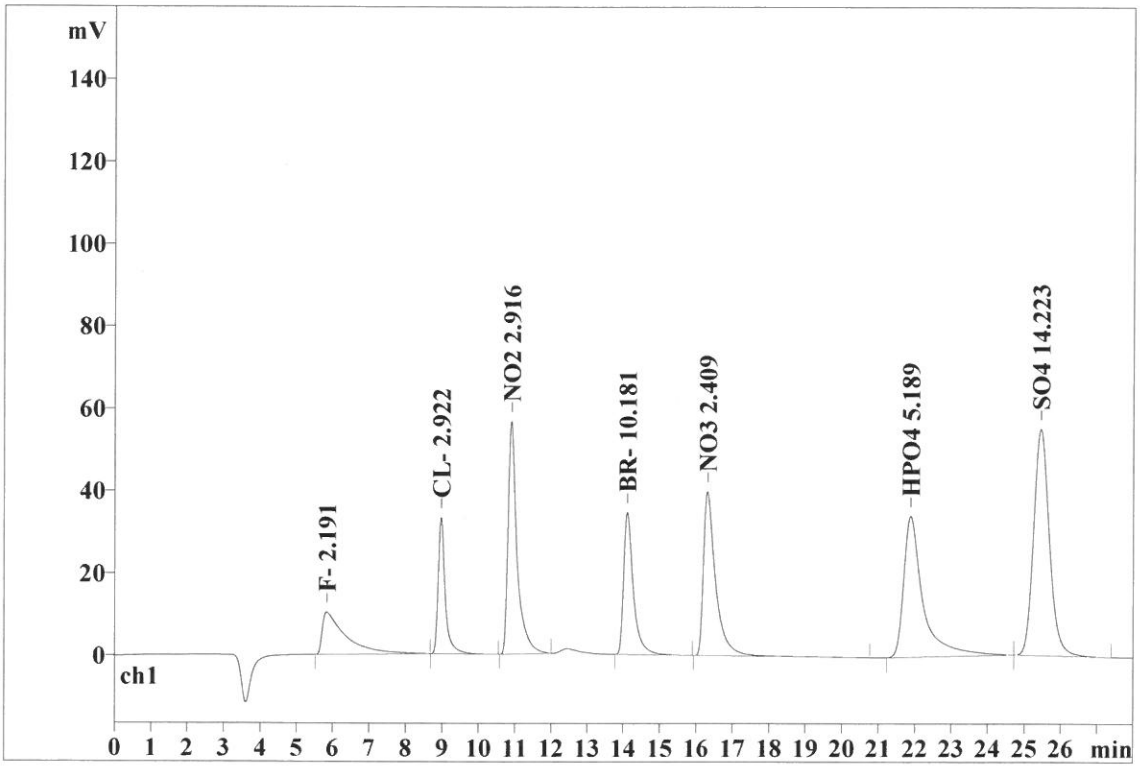
This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:29:24 PM
Printed by: wet

Ident: LB109388BSS
Analysis from: 6/1/2020 12:07:19 PM
File: _2020-06-01_ Last save: 6/1/2020 3:28:41 PM

Method: AnionsIC2-051920.mtw Last save: 5/26/2020 4:03:
Run operator: wet
Analysis number: 26007

SAMPLE: 5.0g/100mL
: 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

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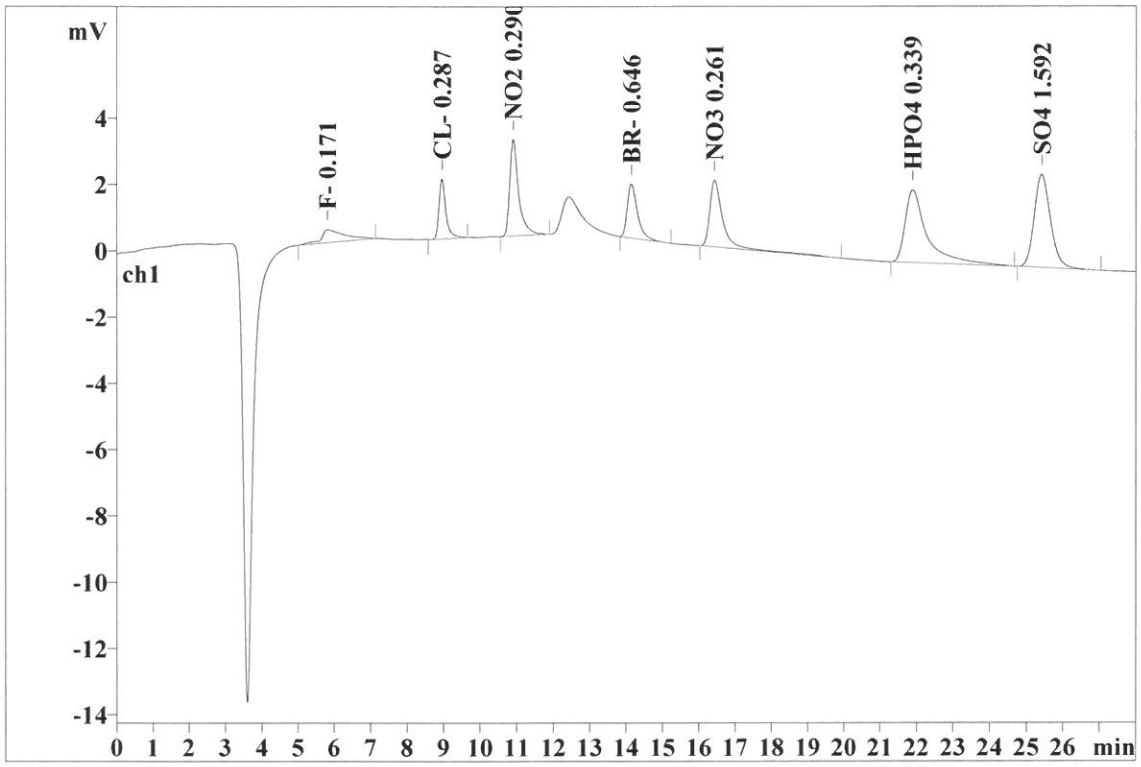
METROHM LTD

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

Ident: L2182-01
Analysis from: 6/1/2020 12:46:16 PM
File: _2020-06-01_ Last save: 6/1/2020 1:14:16 PM

Method: AnionsIC2-051920.mtw Last save: 5/26/2020 4:03:
Run operator: wet
Analysis number: 26008

SAMPLE: 5.00g/100mL
: 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	5.80	0.605	0.39	2.82	17.332	4.88
2	8.94	0.186	1.80	13.11	23.839	6.71
3	10.89	0.235	2.91	21.15	49.865	14.03
4	14.13	0.285	1.63	11.85	31.918	8.98
5	16.42	0.342	2.01	14.59	52.390	14.74
6	21.89	0.523	2.20	15.97	92.116	25.92
7	25.41	0.471	2.81	20.44	87.874	24.73
7	28.00	0.378	13.75	99.94	355.333	100.00

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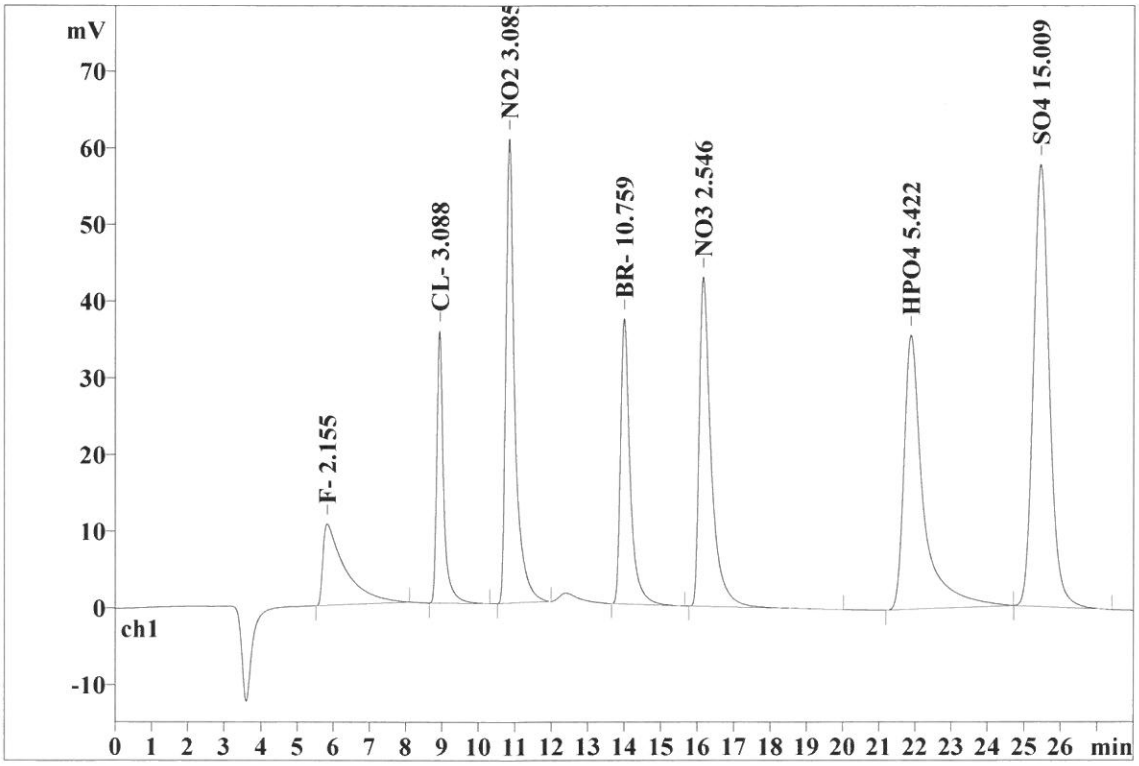
METROHM LTD

Report date: 6/1/2020 3:29:43 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 Last save: 5/26/2020 4:03:
Run operator: wet
Analysis number: 26011

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

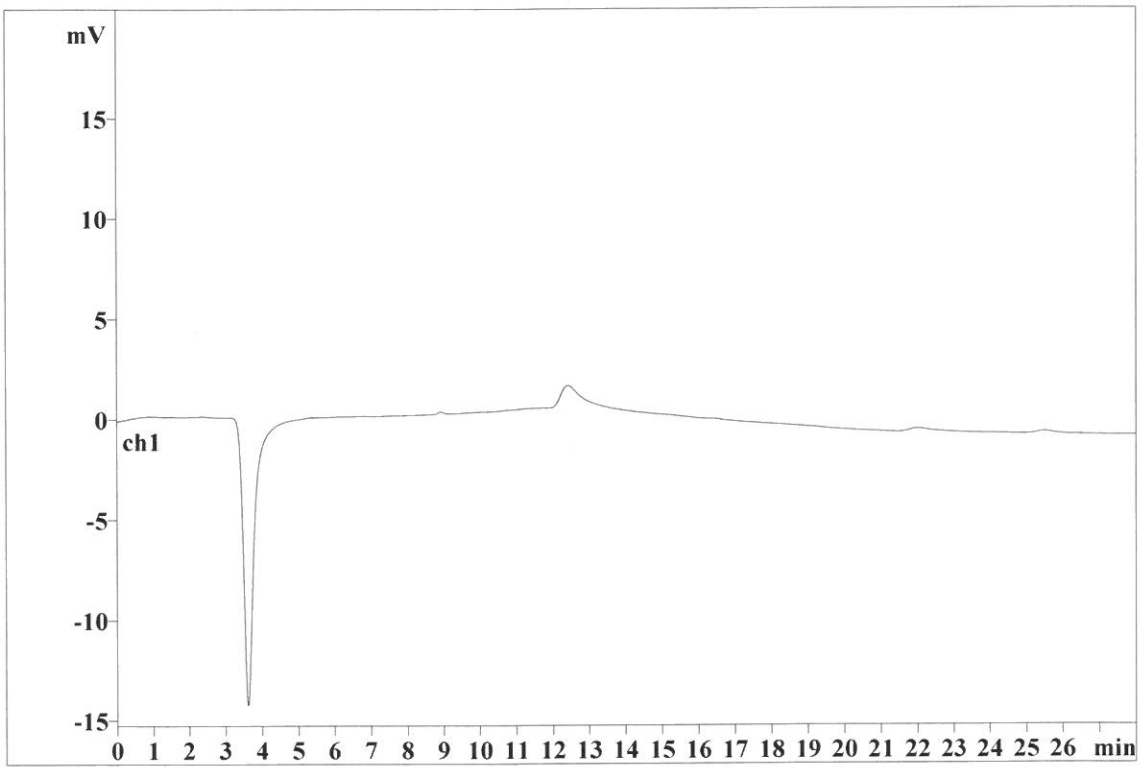
This report has been created by IC Net
METROHM LTD

Report date: 6/1/2020 3:29:50 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 Last save: 5/26/2020 4:03:
Run operator: wet
Analysis number: 26012

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



Quantitation method: Custom

No peaks

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METROHM LTD