

LC2 / MDL / 300.0

(F/CL/BS/SO4)

AK
8.10.17

UB 89237

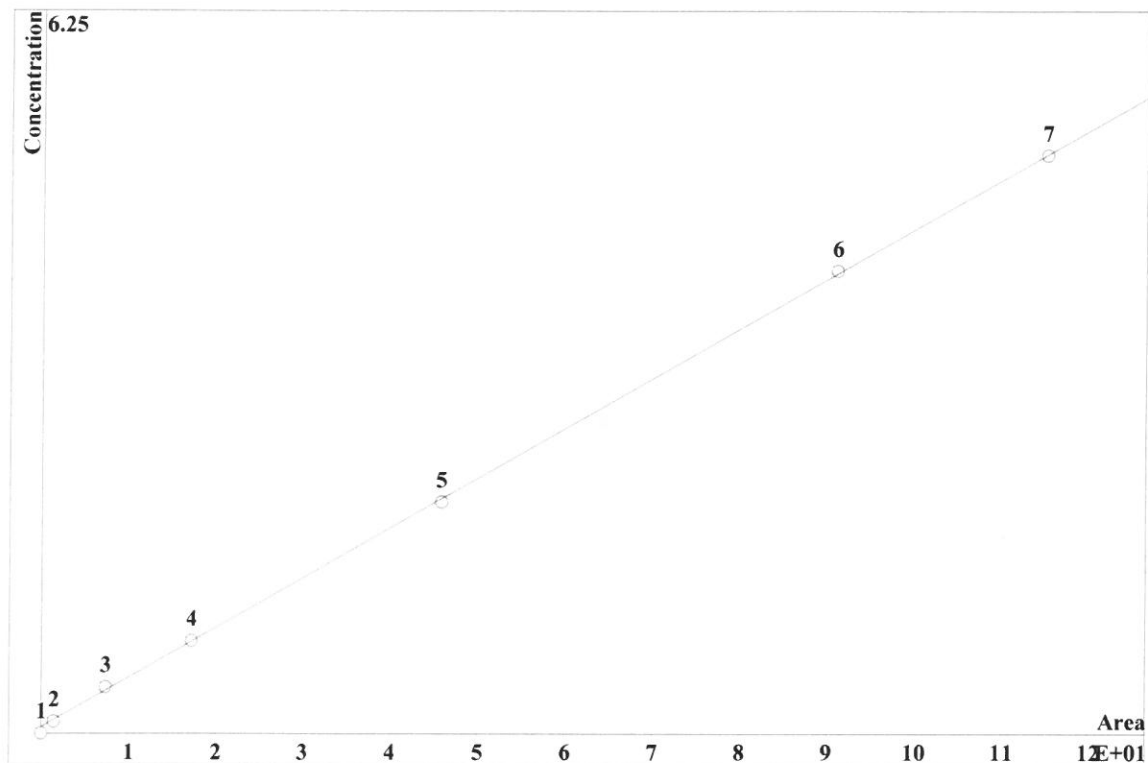
Clear table

ident	concentrati on F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-07-11_	7/11/17 11:30
STD2	0.1450	0.2290	0.2550	0.8450	0.2030	0.2710	1.3300	_2017-07-11_	7/11/17 12:01
STD3	0.4240	0.6260	0.6440	2.1110	0.5360	1.0930	3.2400	_2017-07-11_	7/11/17 12:32
STD4	0.7730	1.1960	1.1720	3.9000	0.9790	2.1880	5.8610	_2017-07-11_	7/11/17 13:03
STD5	1.9740	2.8920	2.8490	9.5860	2.3930	4.7720	14.2100	_2017-07-11_	7/11/17 13:34
STD6	3.8880	5.8740	5.8970	19.5970	4.8960	9.5440	29.2970	_2017-07-11_	7/11/17 14:05
STD7	5.0970	7.6340	7.6330	25.4610	6.3680	12.8820	38.3110	_2017-07-11_	7/11/17 14:36
ICV	1.9840	2.9400	2.9210	9.7280	2.4390	5.1670	14.5110	_2017-07-11_	7/11/17 16:11
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-07-11_	7/11/17 16:42
CCV	1.9640	2.9030	2.8560	9.6000	2.4030	4.9190	14.2490	_2017-07-11_	7/11/17 15:09
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-07-11_	7/11/17 15:40
LB89237BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-07-11_	7/11/17 17:13
LB89237BSW	1.9740	2.8950	2.8760	9.5890	2.4000	5.1790	14.2680	_2017-07-11_	7/11/17 17:44
I4047-01	0.0600	0.1190	0.1430	0.3510	0.1130	-0.0650	0.7930	_2017-07-11_	7/11/17 18:15
I4047-02	0.0610	0.1200	0.1430	0.3520	0.1130	-0.0530	0.7930	_2017-07-11_	7/11/17 18:46
I4047-03	0.0610	0.1190	0.1420	0.3490	0.1130	-0.0610	0.7960	_2017-07-11_	7/11/17 19:17
I4047-04	0.0610	0.1190	0.1430	0.3500	0.1130	-0.0640	0.7960	_2017-07-11_	7/11/17 19:48
I4047-05	0.0600	0.1190	0.1430	0.3510	0.1130	-0.0670	0.7950	_2017-07-11_	7/11/17 20:19
I4047-06	0.0610	0.1180	0.1420	0.3490	0.1130	-0.0690	0.7960	_2017-07-11_	7/11/17 20:50
I4047-07	0.0610	0.1190	0.1420	0.3520	0.1130	-0.0670	0.7940	_2017-07-11_	7/11/17 21:21
CCV	1.8740	0.1200	0.1430	0.3510	0.1130	-0.0670	0.7960	_2017-07-11_	7/11/17 21:52
CCB	0.0000	2.8980	2.8680	9.5920	2.3970	5.2000	14.2620	_2017-07-11_	7/11/17 22:23
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-07-11_	7/11/17 22:54

IC-1
7-11-17

CALIBRATION OF COMPONENT F-

Method: ANIONS 07-11-17.mtw
Equation: $Q = 0.861053 \cdot A + 1.10647$
RSD: 1.232 %
Correlation coefficient: 0.999938

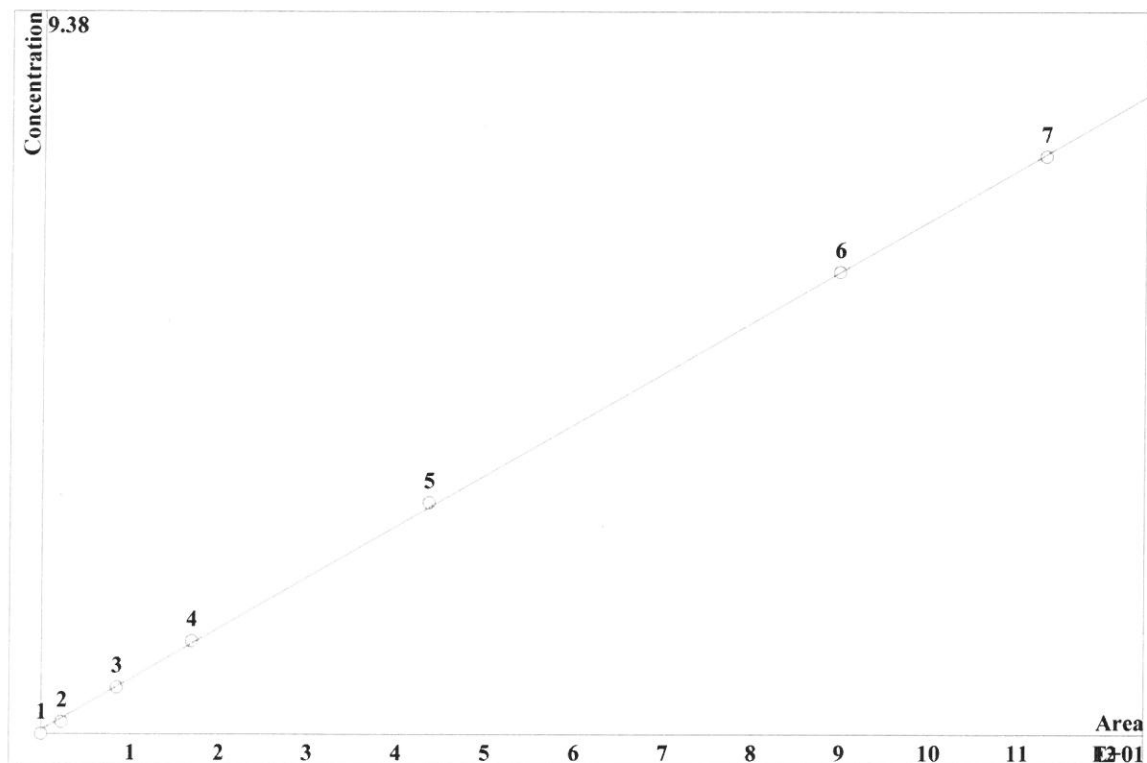


K3 = 0 K2 = 0 K1 = 0.861053 K0 = 1.10647
Base: Area
Ref.channel: Cond
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0	No	
2	0.06832	1.446	0.1	20	5.72	Yes	
3	0.3217	7.345	0.4	20	5.72	Yes	
4	0.7336	17.2	0.8	20	5.72	Yes	
5	1.996	45.84	2	20	5.72	Yes	
6	4.193	91.1	4	20	5.72	Yes	
7	5.265	115	5	20	5.72	Yes	

CALIBRATION OF COMPONENT CL-

Method: ANIONS 07-11-17.mtw
 Equation: $Q = 1.32378 \cdot A + 1.02533$
 RSD: 1.499 %
 Correlation coefficient: 0.999908

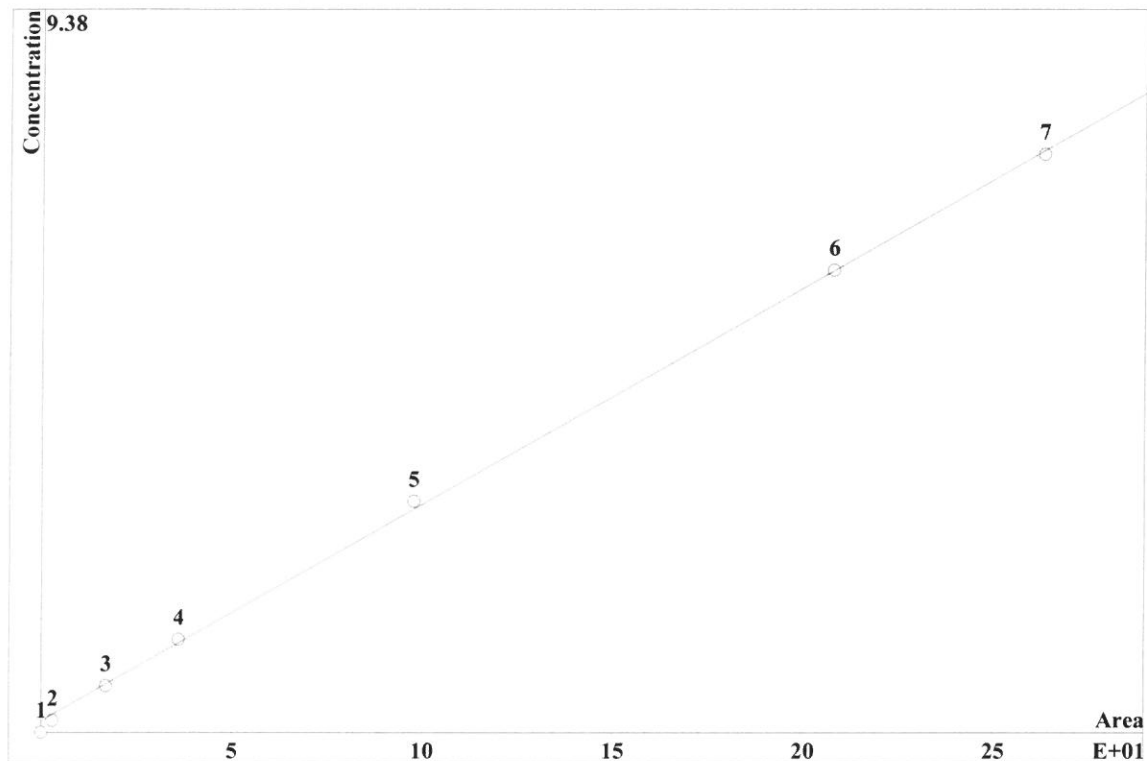


K3 = 0 K2 = 0 K1 = 1.32378 K0 = 1.02533
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0	No	
2	0.1087	2.297	0.15	20	8.411	Yes	
3	0.4389	8.457	0.6	20	8.411	Yes	
4	0.8963	16.94	1.2	20	8.411	Yes	
5	2.313	43.6	3	20	8.411	Yes	
6	4.834	89.84	6	20	8.411	Yes	
7	6.056	113	7.5	20	8.411	Yes	

CALIBRATION OF COMPONENT NO2

Method: ANIONS 07-11-17.mtw
 Equation: $Q = 0.562432 \cdot A + 2.94942$
 RSD: 2.396 %
 Correlation coefficient: 0.999766

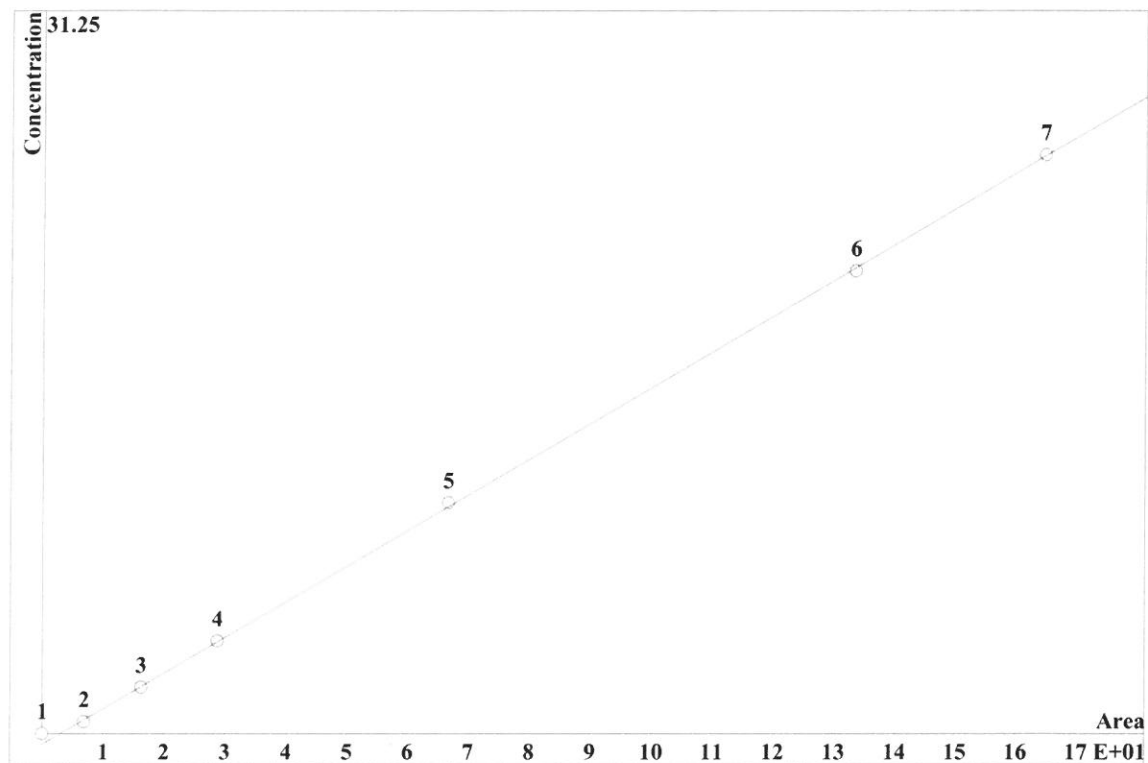


K3 = 0 K2 = 0 K1 = 0.562432 K0 = 2.94942
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1363	2.964	0.15	20	9.95	Yes	
3	0.7893	16.95	0.6	20	9.95	Yes	
4	1.72	35.93	1.2	20	9.95	Yes	
5	4.769	97.8	3	20	9.95	Yes	
6	10.21	207.8	6	20	9.95	Yes	
7	12.73	263.2	7.5	20	9.95	Yes	

CALIBRATION OF COMPONENT BR-

Method: ANIONS 07-11-17.mtw
 Equation: $Q = 3.08748 \cdot A - 9.48858$
 RSD: 1.211 %
 Correlation coefficient: 0.999940

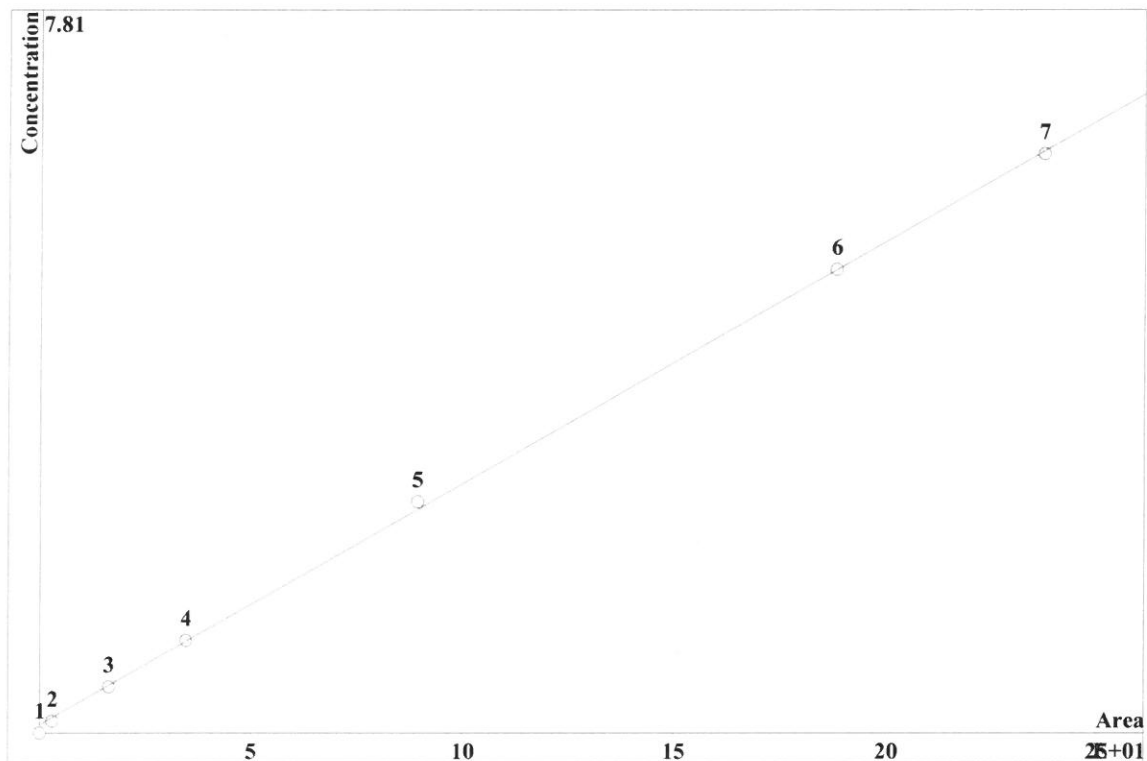


K3 = 0 K2 = 0 K1 = 3.08748 K0 = -9.48858
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1874	6.887	0.5	20	12.61	Yes	
3	0.4669	16.21	2	20	12.61	Yes	
4	0.8161	28.73	4	20	12.61	Yes	
5	1.778	66.71	10	20	12.61	Yes	
6	3.237	133.5	20	20	12.61	Yes	
7	3.857	164.8	25	20	12.61	Yes	

CALIBRATION OF COMPONENT NO3

Method: ANIONS 07-11-17.mtw
 Equation: $Q = 0.521641 \cdot A + 1.78354$
 RSD: 1.957 %
 Correlation coefficient: 0.999844



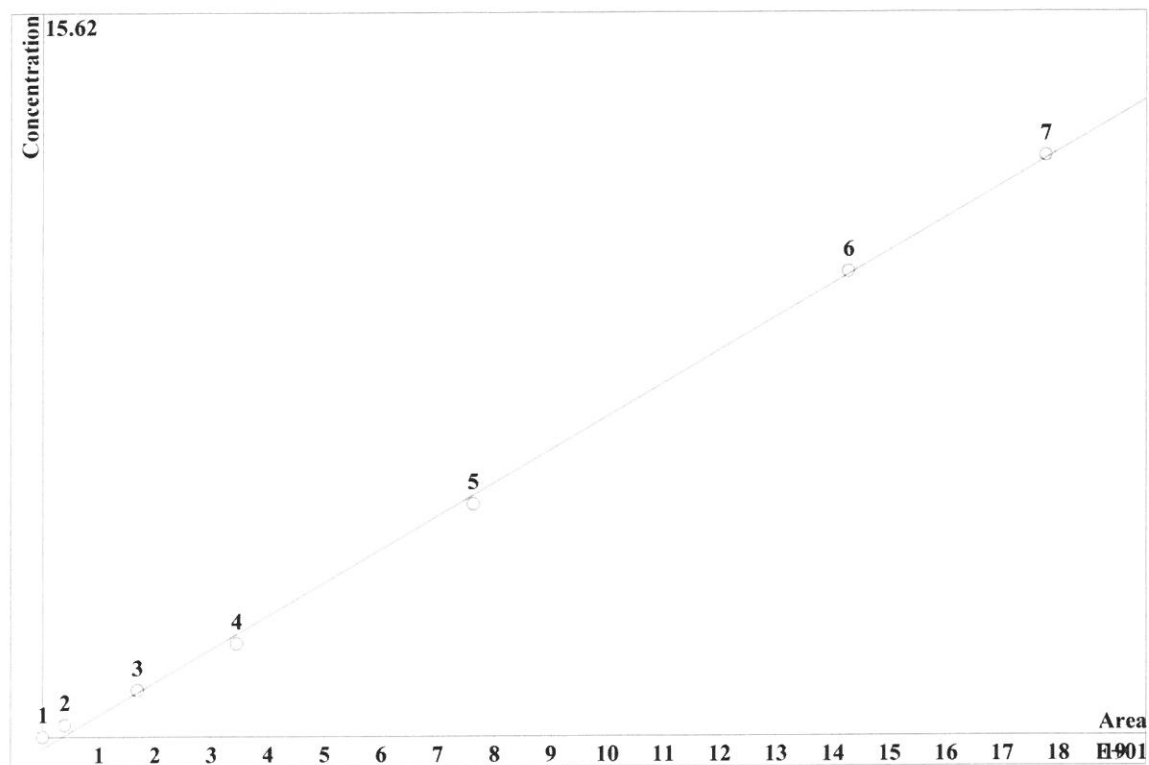
K3 = 0 K2 = 0 K1 = 0.521641 K0 = 1.78354
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1166	3.012	0.125	20	14.11	Yes	
3	0.637	16.42	0.5	20	14.11	Yes	
4	1.334	34.64	1	20	14.11	Yes	
5	3.498	89.27	2.5	20	14.11	Yes	
6	7.391	188.2	5	20	14.11	Yes	
7	9.285	237.5	6.25	20	14.11	Yes	

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CALIBRATION OF COMPONENT HPO4

Method: ANIONS 07-11-17.mtw
 Equation: $Q = 1.42734 \cdot A - 5.10864$
 RSD: 3.656 %
 Correlation coefficient: 0.999454

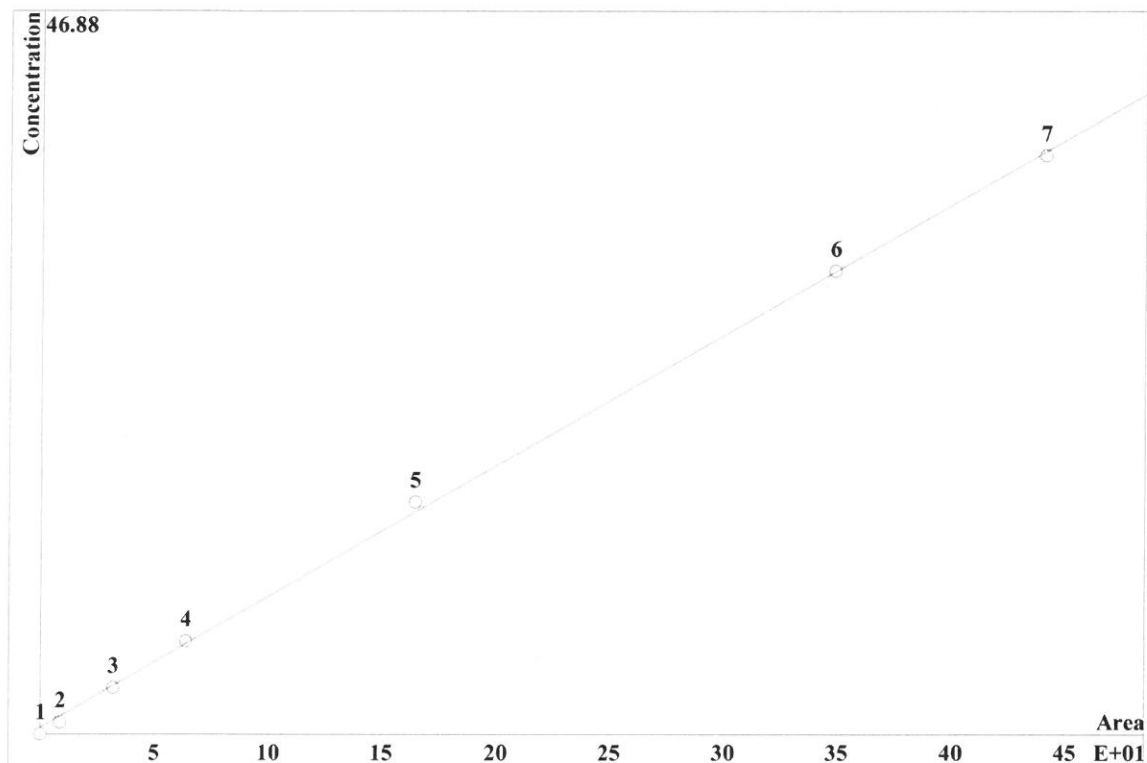


K3 = 0 K2 = 0 K1 = 1.42734 K0 = -5.10864
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.06101	3.957	0.25	20	20.8	Yes	
3	0.2755	16.87	1	20	20.8	Yes	
4	0.5854	34.51	2	20	20.8	Yes	
5	1.384	76.34	5	20	20.8	Yes	
6	2.746	142.8	10	20	20.8	Yes	
7	3.493	177.8	12.5	20	20.8	Yes	

CALIBRATION OF COMPONENT SO4

Method: ANIONS 07-11-17.mtw
 Equation: $Q = 1.69309 \cdot A + 8.53567$
 RSD: 2.648 %
 Correlation coefficient: 0.999714



K3 = 0 K2 = 0 K1 = 1.69309 K0 = 8.53567
 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	0.2149	8.665	0.75	20	23.28	Yes	
3	0.8445	32	3	20	23.28	Yes	
4	1.728	63.99	6	20	23.28	Yes	
5	4.535	164.8	15	20	23.28	Yes	
6	9.788	349	30	20	23.28	Yes	
7	12.4	441	37.5	20	23.28	Yes	

Report date: 7/11/2017 2:05:17 PM
Printed by: wet

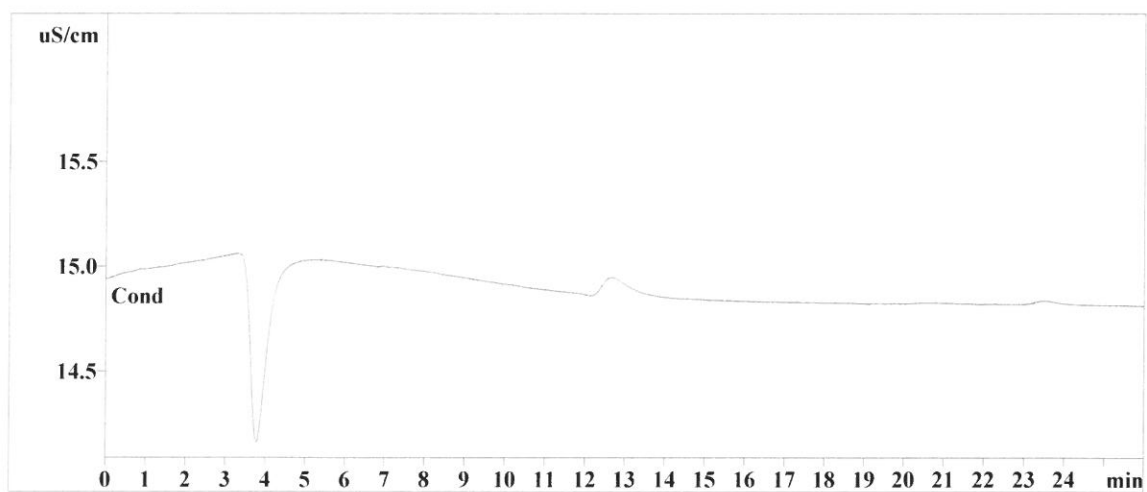
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File: _2017-07-11_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58337

Last save: 7/11/2017 9:41:46 AM

SAMPLE:
:
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: 7/11/2017 2:05:25 PM
Printed by: wet

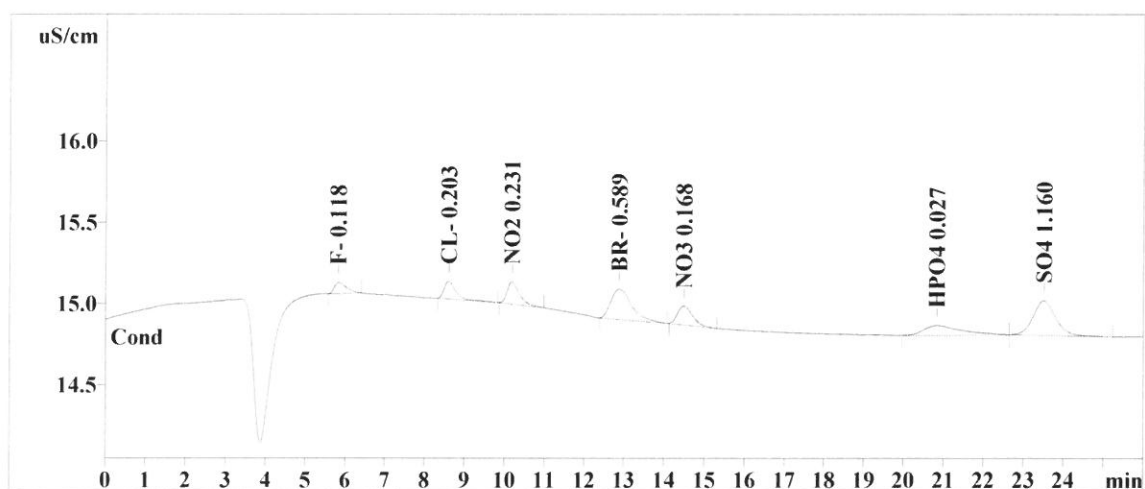
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File: _2017-07-11_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58338

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.83	0.328	0.07	7.59	1.446	4.95	0.
2	8.59	0.298	0.11	12.10	2.297	7.86	0.
3	10.19	0.324	0.14	15.22	2.964	10.14	0.
4	12.89	0.548	0.19	20.90	6.887	23.56	0.
5	14.49	0.400	0.12	13.00	3.012	10.30	0.
6	20.82	0.957	0.06	6.73	3.957	13.54	0.
7	23.51	0.598	0.21	24.00	8.665	29.65	0.
7	26.00	0.493	0.89	99.54	29.228	100.00	0.

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Report date: 7/11/2017 2:05:31 PM
Printed by: wet

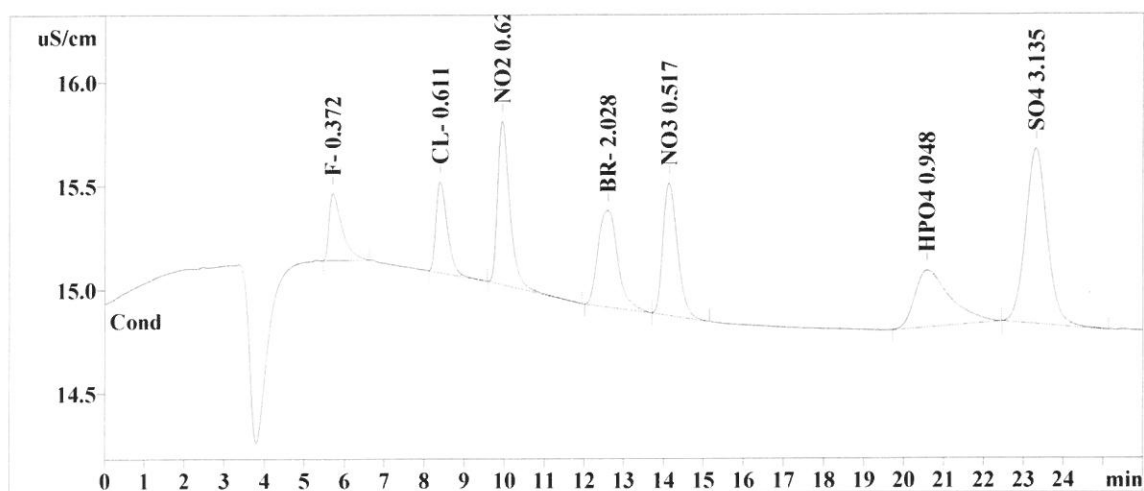
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Analysis from: 7/11/2017 11:39:50 AM
File: _2017-07-11_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58339

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.72	0.332	0.32	8.52	7.345	6.43	0.
2	8.40	0.288	0.44	11.62	8.457	7.40	0.
3	9.94	0.312	0.79	20.90	16.948	14.84	0.
4	12.60	0.530	0.47	12.36	16.210	14.19	0.
5	14.13	0.398	0.64	16.86	16.416	14.37	0.
6	20.58	0.901	0.27	7.28	16.866	14.76	0.
7	23.31	0.569	0.84	22.37	31.996	28.01	0.
7	26.00	0.476	3.77	99.93	114.237	100.00	0.

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Report date: 7/11/2017 2:05:36 PM
Printed by: wet

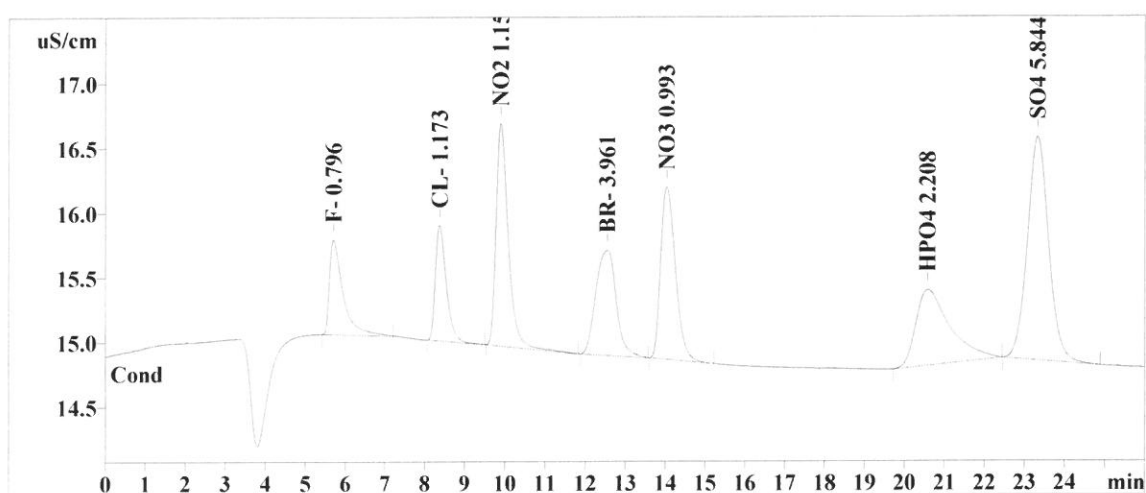
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Analysis from: 7/11/2017 12:08:45 PM
File: _2017-07-11_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58340

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.71	0.318	0.73	9.38	17.201	7.42	0.
2	8.38	0.283	0.90	11.46	16.942	7.30	0.
3	9.90	0.305	1.72	22.01	35.927	15.49	0.
4	12.56	0.550	0.82	10.44	28.734	12.39	0.
5	14.03	0.402	1.33	17.07	34.641	14.93	0.
6	20.59	0.852	0.59	7.49	34.514	14.88	0.
7	23.33	0.560	1.73	22.12	63.986	27.59	0.
7	26.00	0.467	7.81	99.96	231.946	100.00	0.

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Report date: 7/11/2017 2:05:45 PM
Printed by: wet

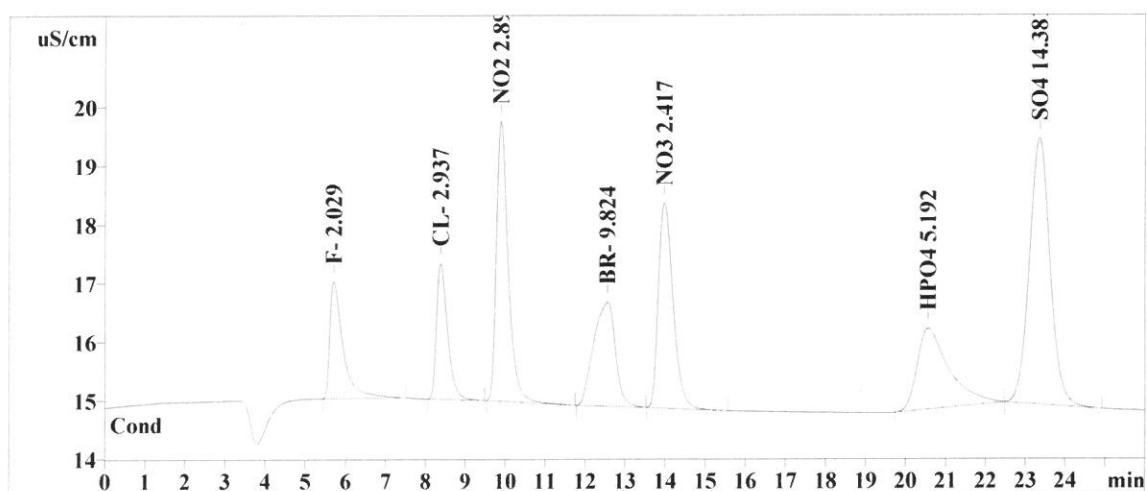
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File: _2017-07-11_

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Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58341

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.71	0.311	2.00	9.85	45.845	7.84	0.
2	8.38	0.281	2.31	11.41	43.598	7.46	0.
3	9.89	0.301	4.77	23.52	97.796	16.73	0.
4	12.57	0.607	1.78	8.77	66.713	11.42	0.
5	13.98	0.392	3.50	17.26	89.266	15.28	0.
6	20.56	0.782	1.38	6.83	76.335	13.06	0.
7	23.35	0.551	4.53	22.37	164.838	28.21	0.
7	26.00	0.461	20.27	99.99	584.391	100.00	0.

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Report date: 7/11/2017 2:05:52 PM
Printed by: wet

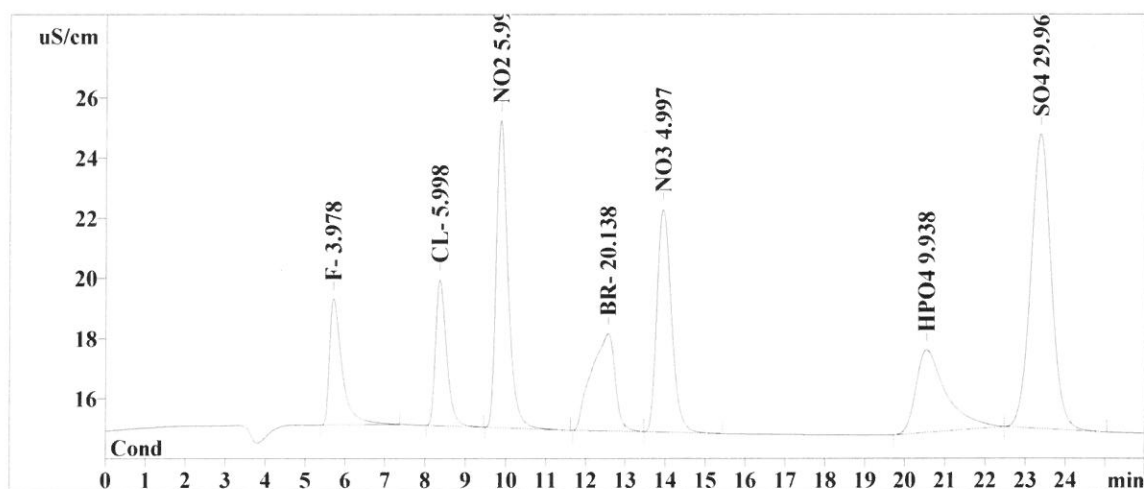
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Analysis from: 7/11/2017 1:06:37 PM
File: _2017-07-11_

Last save: 7/11/2017 2:04:14 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58342

Last save: 7/11/2017 9:41:46 AM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.71	0.302	4.19	9.89	91.104	7.58	0.
2	8.36	0.277	4.83	11.40	89.840	7.47	0.
3	9.87	0.301	10.21	24.08	207.829	17.29	0.
4	12.56	0.706	3.24	7.64	133.522	11.11	0.
5	13.94	0.392	7.39	17.43	188.182	15.65	0.
6	20.53	0.726	2.75	6.48	142.827	11.88	0.
7	23.37	0.539	9.79	23.09	348.975	29.03	0.
7	26.00	0.463	42.40	100.00	1202.278	100.00	0.

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Report date: 7/11/2017 2:05:59 PM
Printed by: wet

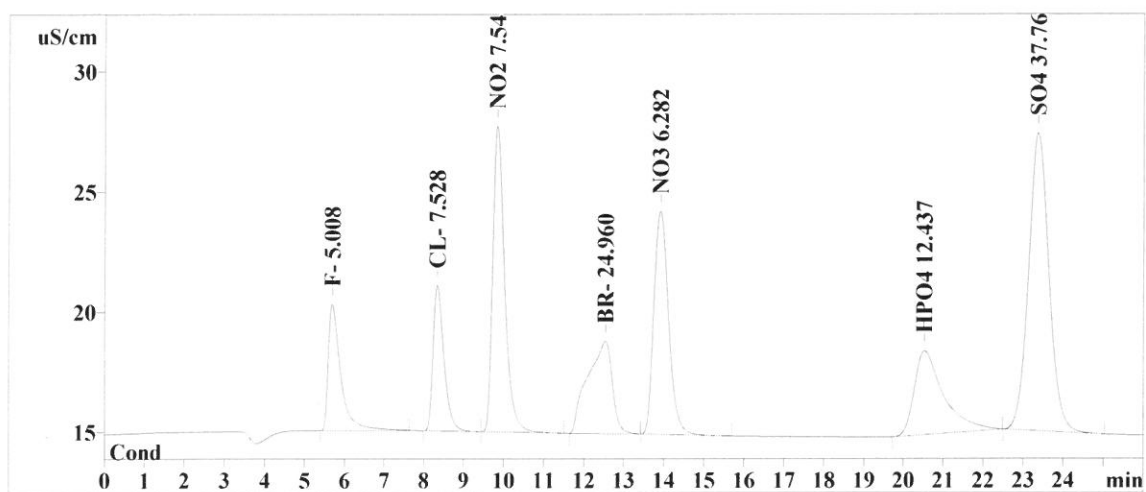
Ident: STD7
Analysis from: 7/11/2017 1:35:32 PM
File: _2017-07-11_

Last save: 7/11/2017 2:04:22 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58343

Last save: 7/11/2017 9:41:46 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.69	0.301	5.26	9.92	115.047	7.61	0.
2	8.34	0.278	6.06	11.41	112.966	7.47	0.
3	9.84	0.306	12.73	23.99	263.151	17.40	0.
4	12.54	0.768	3.86	7.26	164.756	10.89	0.
5	13.91	0.394	9.29	17.49	237.455	15.70	0.
6	20.53	0.708	3.49	6.58	177.848	11.76	0.
7	23.37	0.538	12.40	23.35	441.014	29.16	0.
7	26.00	0.471	53.09	100.00	1512.236	100.00	0.

This report has been created by IC Net
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Report date: 7/12/2017 9:22:42 AM
Printed by: wet

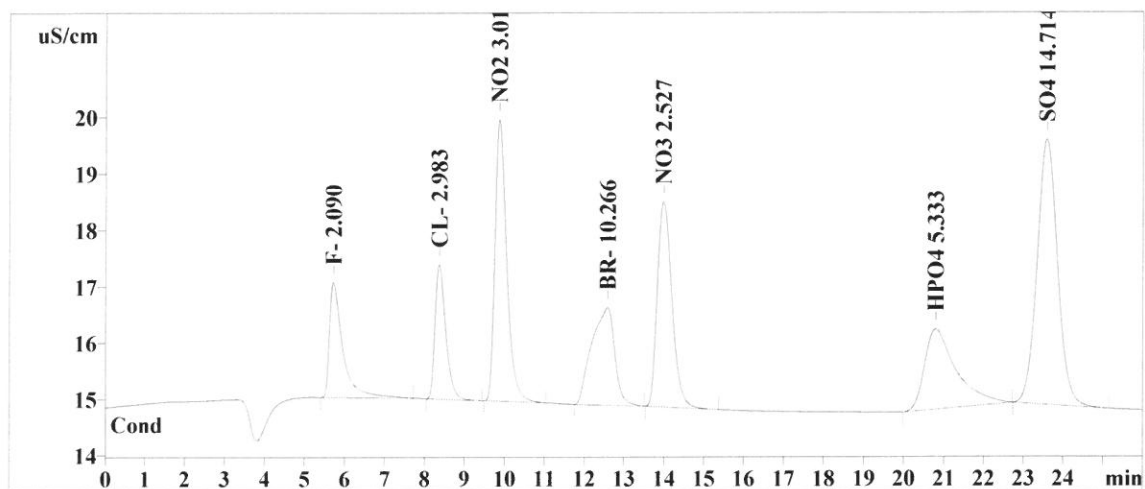
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Analysis from: 7/11/2017 3:03:18 PM
File: _2017-07-11_

Last save: 7/11/2017 3:29:08 PM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58346

Last save: 7/11/2017 2:01:22 PM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.73	0.308	2.04	9.77	47.249	7.83	0.
2	8.37	0.278	2.39	11.39	44.295	7.34	0.
3	9.87	0.303	4.99	23.85	102.065	16.91	0.
4	12.59	0.673	1.74	8.31	69.572	11.52	0.
5	13.98	0.396	3.64	17.40	93.474	15.48	0.
6	20.79	0.774	1.43	6.83	78.312	12.97	0.
7	23.59	0.546	4.70	22.45	168.770	27.95	0.
7	26.00	0.468	20.93	99.99	603.737	100.00	0.

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Report date: 7/12/2017 9:22:48 AM
Printed by: wet

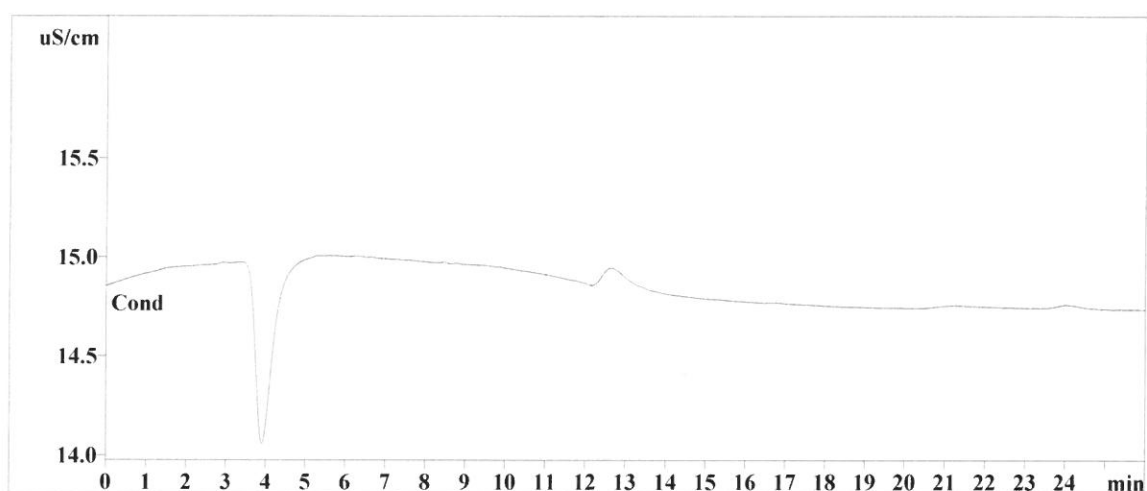
Ident: ICB
Analysis from: 7/11/2017 3:32:14 PM
File: _2017-07-11_

Last save: 7/12/2017 9:21:56 AM

Method: ANIONS 07-11-17.mtw
Run operator: wet
Analysis number: 58347

Last save: 7/11/2017 2:01:22 PM

SAMPLE:
: AK/AP
Vial number: 12
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: 8/3/2017 3:41:37 PM
Printed by: wet

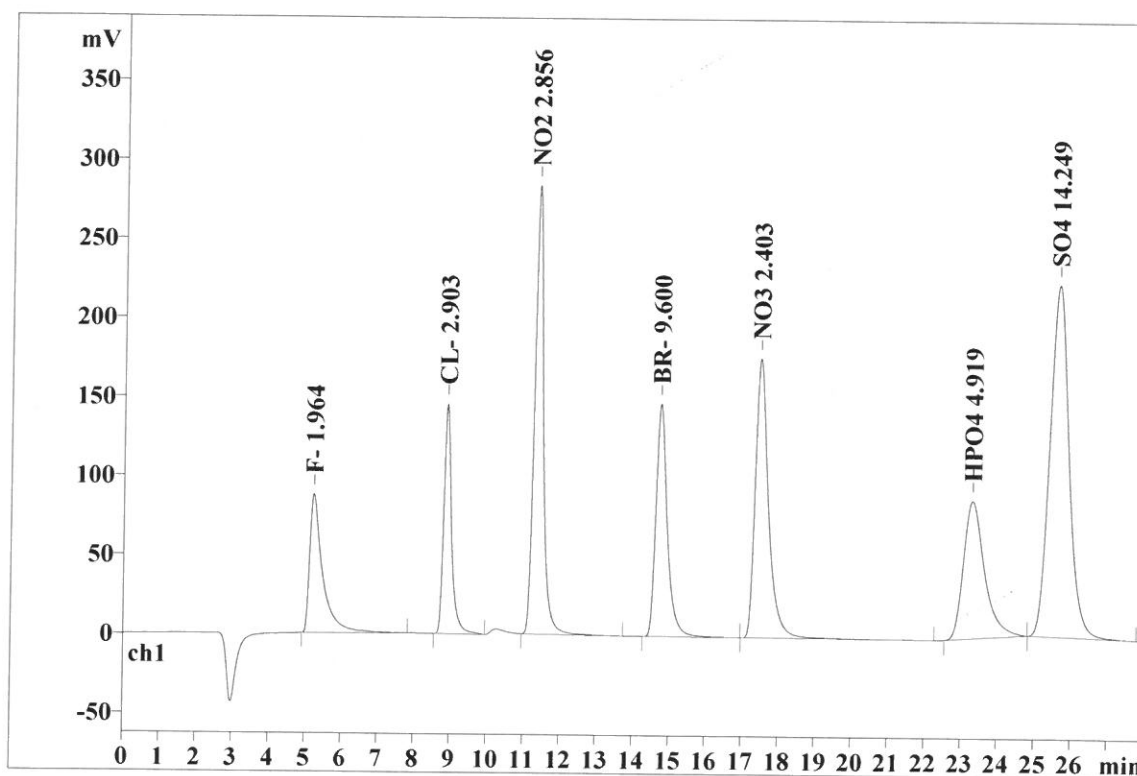
Ident: CCV
Analysis from: 7/11/2017 3:09:28 PM
File: _2017-07-11_

Last save: 8/1/2017 5:47:18 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14732

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/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	5.21	0.328	87.86	7.64	2192.194	7.69
2	8.89	0.210	145.27	12.64	2164.669	7.59
3	11.36	0.253	283.56	24.67	4921.825	17.27
4	14.73	0.315	147.16	12.80	3195.927	11.21
5	17.46	0.368	176.39	15.34	4485.918	15.74
6	23.29	0.590	86.96	7.57	3498.421	12.27
7	25.61	0.548	222.27	19.34	8046.618	28.23
7	28.00	0.373	1149.46	100.00	28505.572	100.00

This report has been created by IC Net
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Report date: 8/3/2017 3:41:44 PM
Printed by: wet

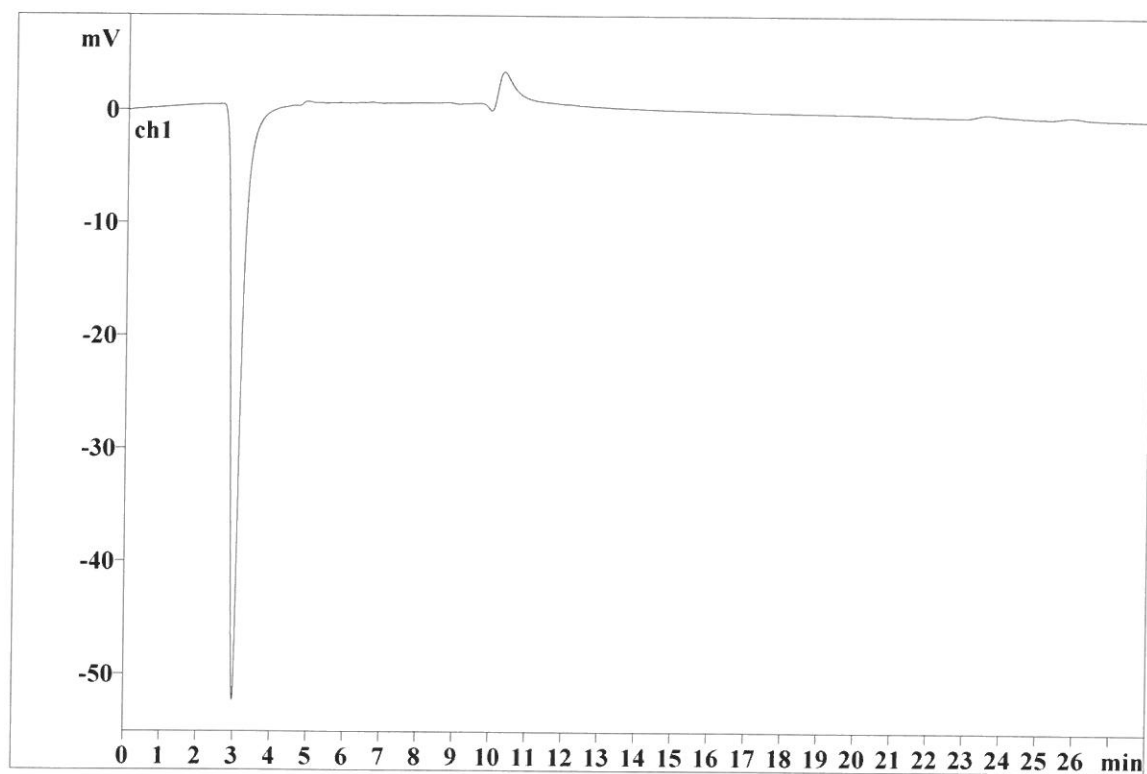
Ident: CCB
Analysis from: 7/11/2017 3:40:27 PM
File: _2017-07-11_

Last save: 8/1/2017 5:47:18 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14733

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/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

Report date: 8/3/2017 3:41:50 PM
Printed by: wet

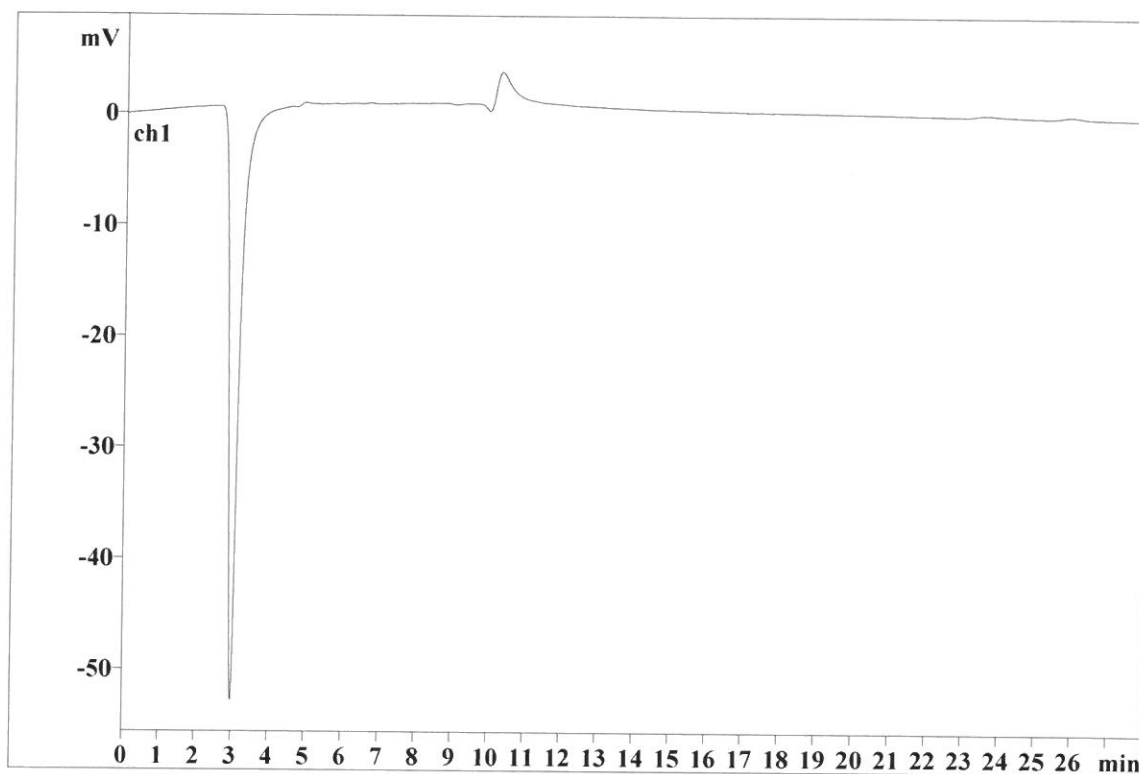
Ident: LB89237BLW
Analysis from: 7/11/2017 5:13:35 PM
File: _2017-07-11_

Last save: 8/3/2017 3:06:42 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14736

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 13
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: 8/3/2017 3:41:57 PM
Printed by: wet

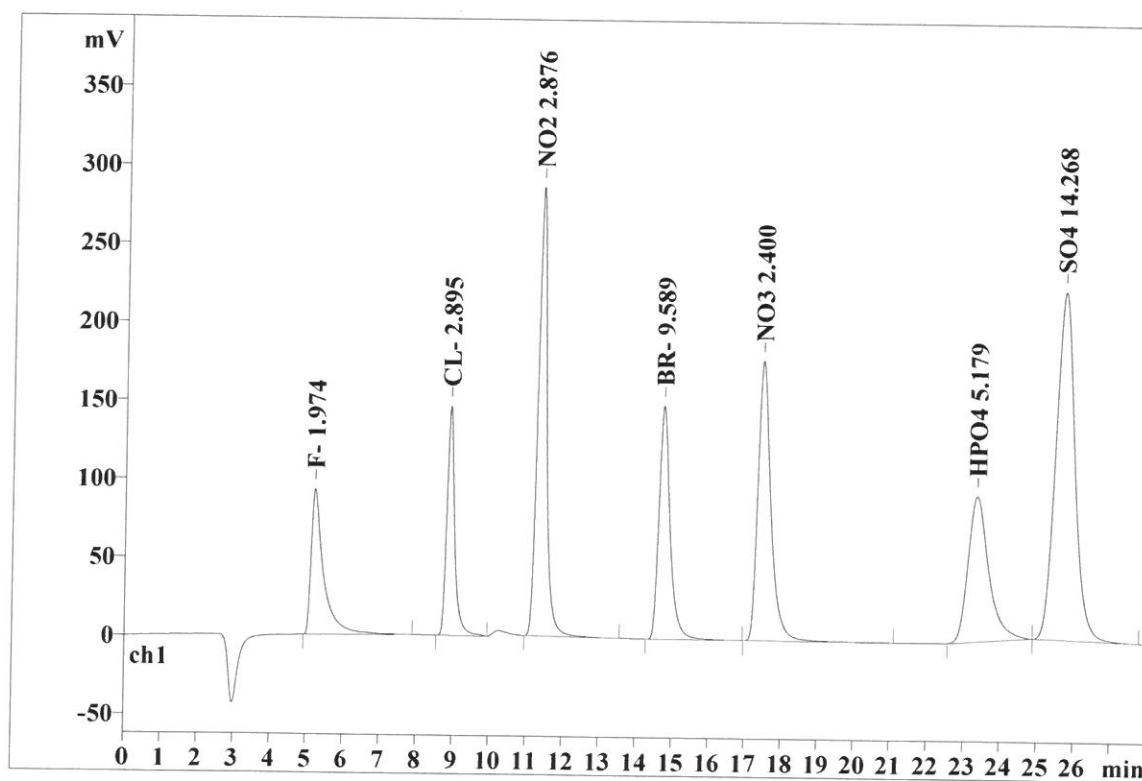
Ident: LB89237BSW
Analysis from: 7/11/2017 5:44:32 PM
File: _2017-07-11_

Last save: 8/3/2017 3:06:42 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14737

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 14
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	5.21	0.305	92.67	7.95	2204.043	7.67
2	8.89	0.209	146.14	12.54	2158.448	7.51
3	11.36	0.253	285.77	24.52	4957.520	17.26
4	14.71	0.312	148.60	12.75	3192.463	11.11
5	17.44	0.365	178.14	15.28	4479.328	15.59
6	23.33	0.581	92.71	7.95	3677.604	12.80
7	25.68	0.550	221.59	19.01	8057.715	28.05
7	28.00	0.368	1165.63	100.00	28727.120	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:42:06 PM
 Printed by: wet
 Ident: I4047-01
 Analysis from: 7/11/2017 6:15:30 PM
 File: _2017-07-11_

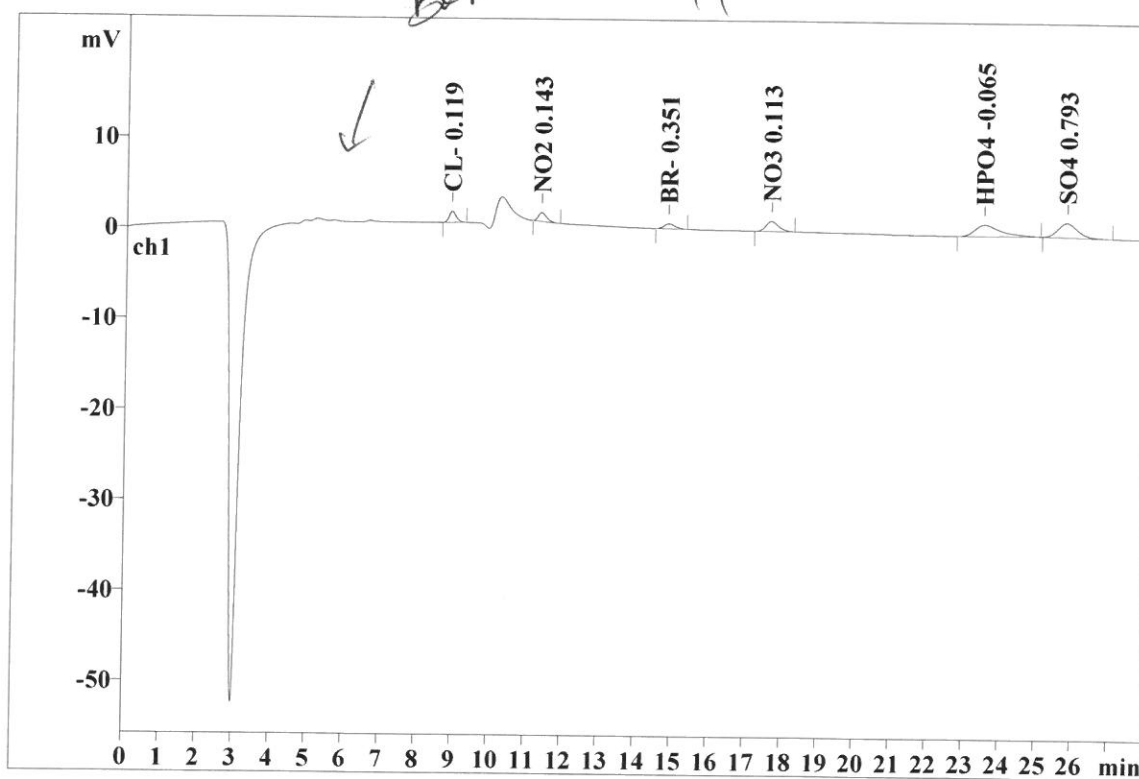
Last save: 8/3/2017 3:41:20 PM

Method: AnionsIC2-071117.mtw
 Run operator: wet
 Analysis number: 14738

Last save: 7/11/2017 2:33:

SAMPLE:
 : AK/AP
 Vial number: 15
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000

*Peak not
integrated
by software*



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	8.90	0.204	1.23	18.34	16.568	8.60
3	11.36	0.249	0.98	14.51	15.714	8.16
4	14.83	0.322	0.56	8.30	11.641	6.04
5	17.62	0.371	1.10	16.37	26.547	13.78
6	23.49	0.724	1.27	18.95	63.606	33.01
7	25.76	0.571	1.57	23.41	58.598	30.41
7	28.00	0.349	6.71	99.87	192.675	100.00

This report has been created by IC Net
 METROHM LTD

Report date: 8/3/2017 3:42:51 PM
Printed by: wet

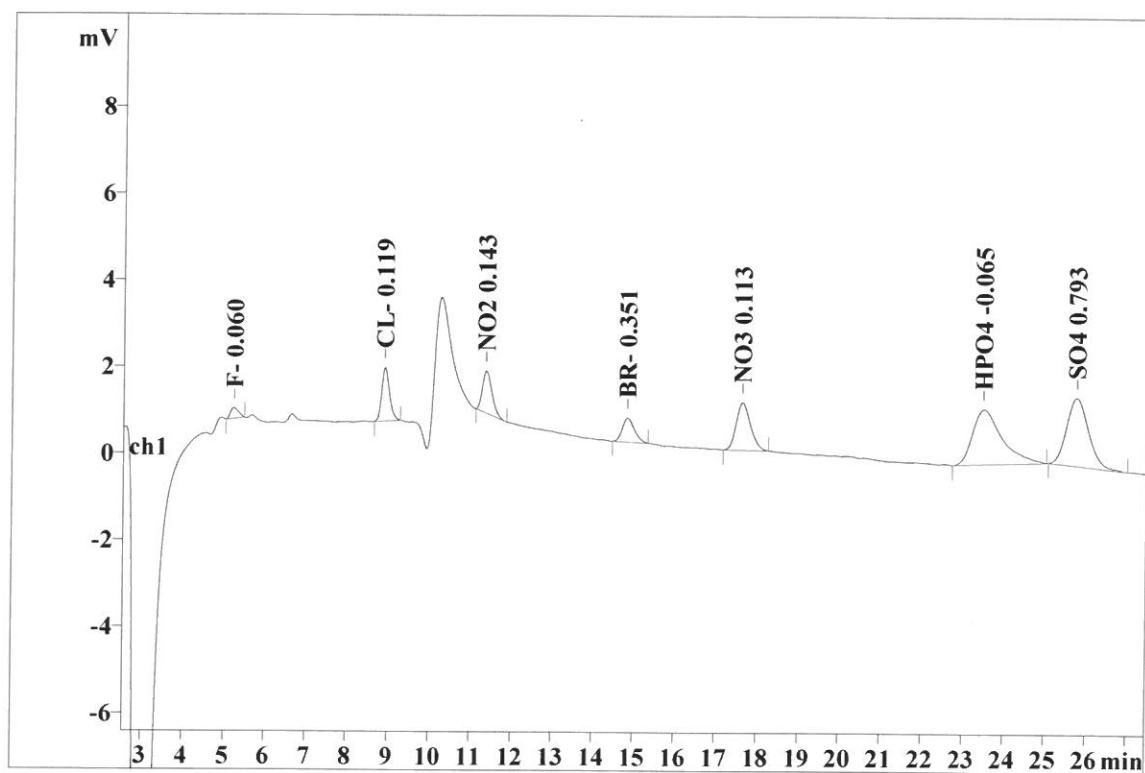
Ident: I4047-01
Analysis from: 7/11/2017 6:15:30 PM
File: 2017-07-11_
Modified! Manual peaks!
Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14738

Last save: 8/3/2017 3:41:20 PM

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 15
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

After Al 8/3/18



Quantitation method: Custom

No	Retention min	Width/2 min	Height mV	Height %	Area mV*sec	Area %
1	5.23	0.234	0.24	3.42	3.448	1.76
2	8.90	0.204	1.23	17.72	16.568	8.45
3	11.36	0.249	0.98	14.02	15.714	8.01
4	14.83	0.322	0.56	8.01	11.641	5.94
5	17.62	0.371	1.10	15.81	26.547	13.54
6	23.49	0.724	1.27	18.31	63.606	32.43
7	25.76	0.571	1.57	22.61	58.598	29.88
7	28.00	0.382	6.95	99.90	196.123	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:43:02 PM
Printed by: wet

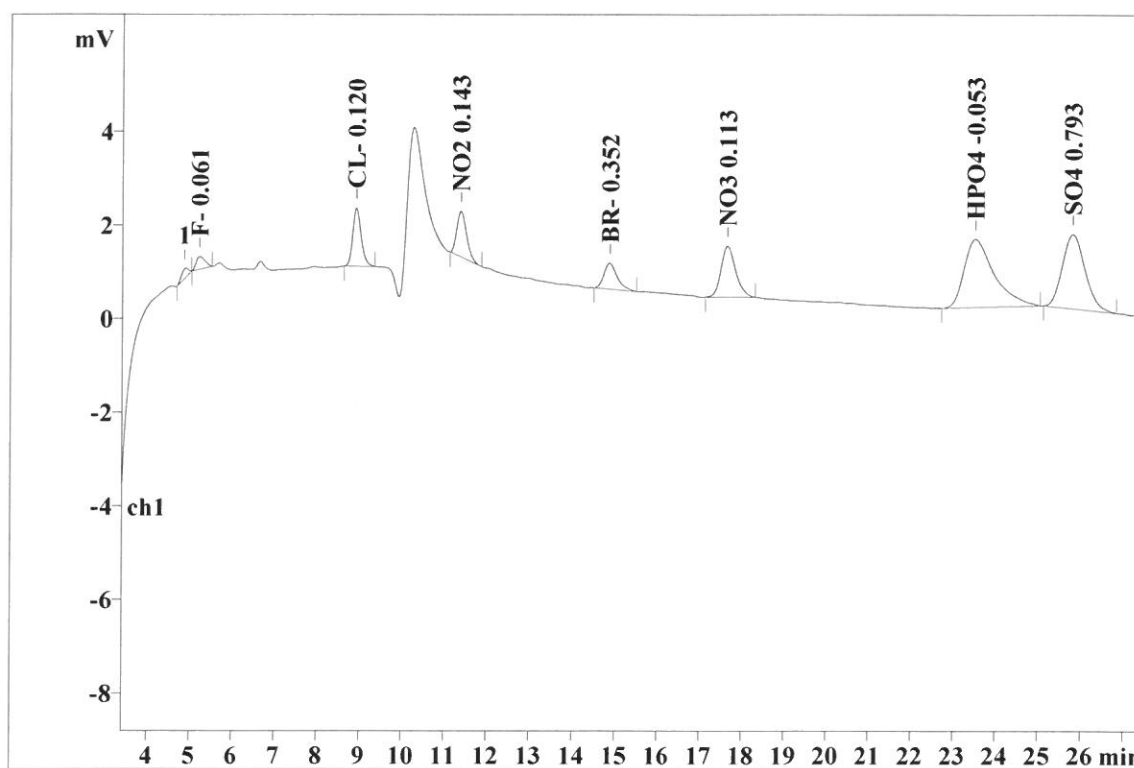
Ident: I4047-02
Analysis from: 7/11/2017 6:46:29 PM
File: _2017-07-11_

Last save: 8/3/2017 3:38:33 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14739

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 16
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	5.22	0.244	0.27	3.64	3.978	1.91
2	8.92	0.209	1.24	16.81	17.243	8.28
3	11.38	0.250	0.97	13.16	15.690	7.53
4	14.86	0.330	0.55	7.46	12.180	5.85
5	17.65	0.369	1.09	14.77	26.587	12.77
6	23.52	0.714	1.46	19.72	71.809	34.48
7	25.80	0.571	1.58	21.41	58.489	28.08
7	28.00	0.384	7.17	96.96	205.976	98.90

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:43:11 PM
Printed by: wet

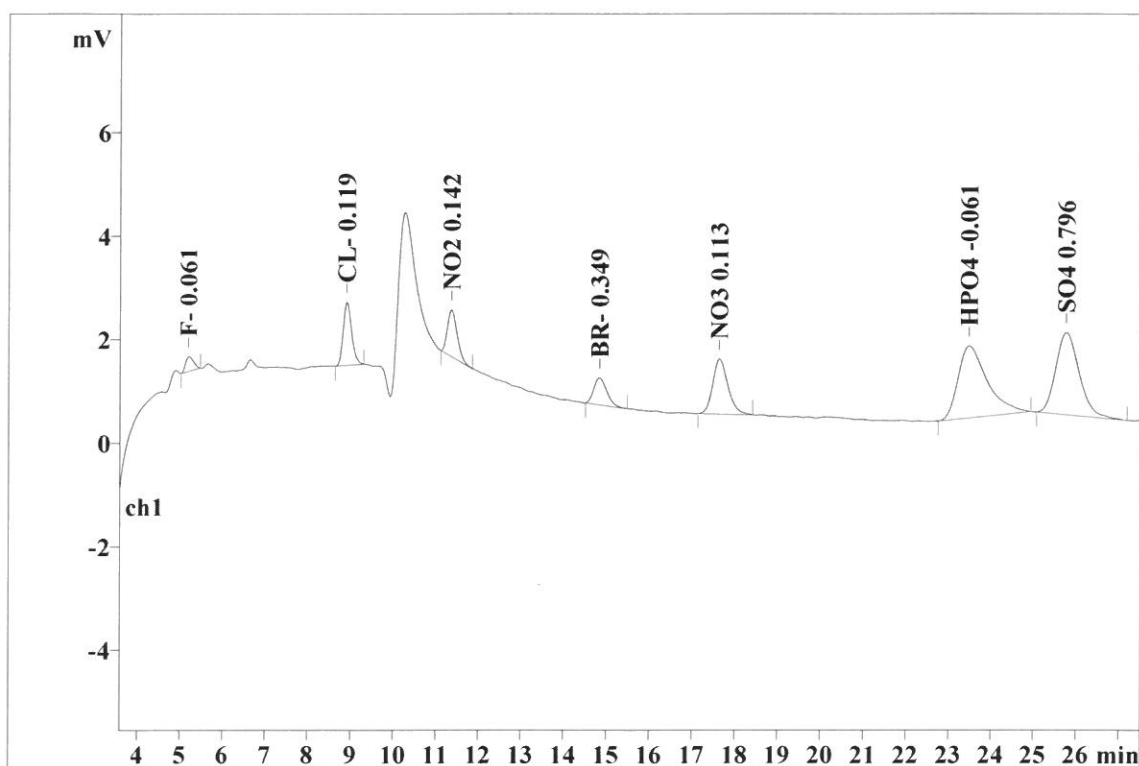
Ident: I4047-03
Analysis from: 7/11/2017 7:17:28 PM
File: _2017-07-11_

Last save: 8/3/2017 3:38:33 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14740

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 17
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	5.20	0.227	0.28	4.08	3.936	1.98
2	8.90	0.204	1.22	17.46	16.421	8.26
3	11.36	0.249	0.90	12.89	14.325	7.20
4	14.83	0.324	0.52	7.49	10.890	5.48
5	17.63	0.378	1.07	15.27	26.644	13.40
6	23.48	0.704	1.39	19.91	66.398	33.39
7	25.77	0.577	1.59	22.76	60.249	30.30
7	28.00	0.380	6.97	99.87	198.861	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:43:45 PM
Printed by: wet

Ident: I4047-04
Analysis from: 7/11/2017 7:48:26 PM
File: _2017-07-11_

Last save: 8/3/2017 3:43:44 PM

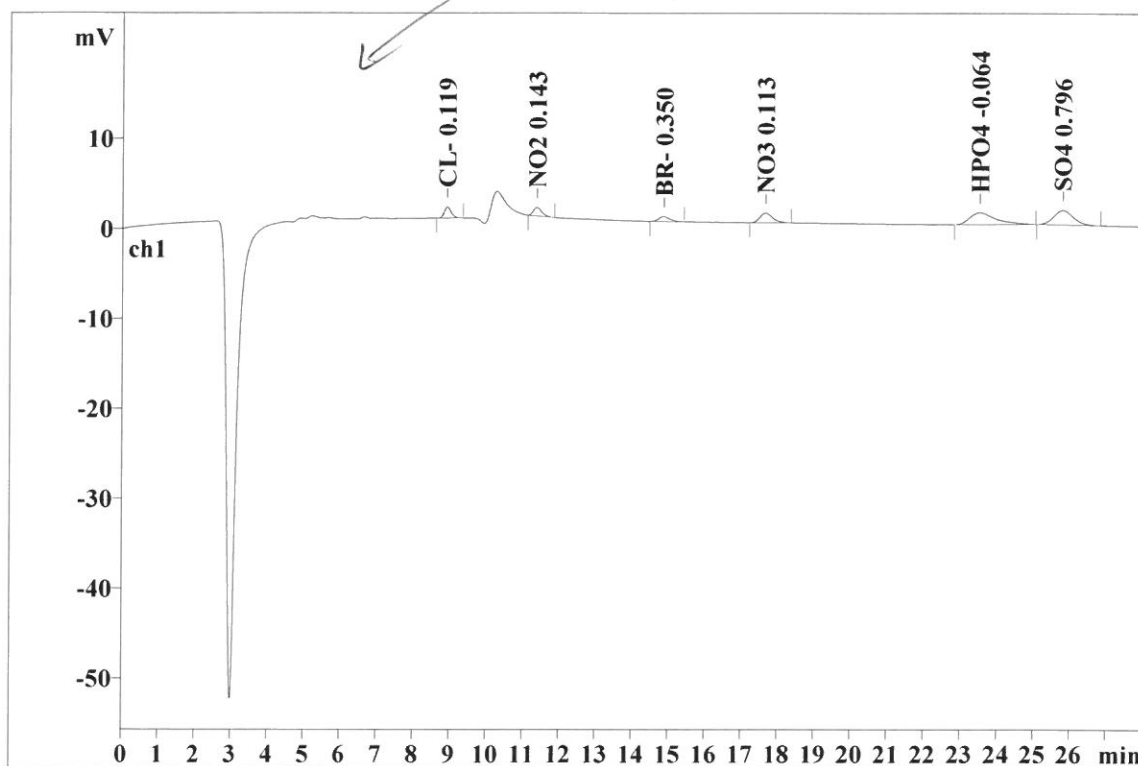
Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14741

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 18
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before
Peak is not
Integrated by
software

Me
8/3/17



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	8.91	0.205	1.24	18.39	16.763	8.62
3	11.38	0.250	0.93	13.88	15.197	7.82
4	14.85	0.314	0.55	8.14	11.164	5.74
5	17.64	0.375	1.08	16.11	26.898	13.84
6	23.51	0.711	1.32	19.54	64.044	32.94
7	25.78	0.581	1.61	23.84	60.341	31.04
7	28.00	0.348	6.73	99.90	194.406	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:44:22 PM
Printed by: wet

Ident: I4047-04
Analysis from: 7/11/2017 7:48:26 PM
File: _2017-07-11_

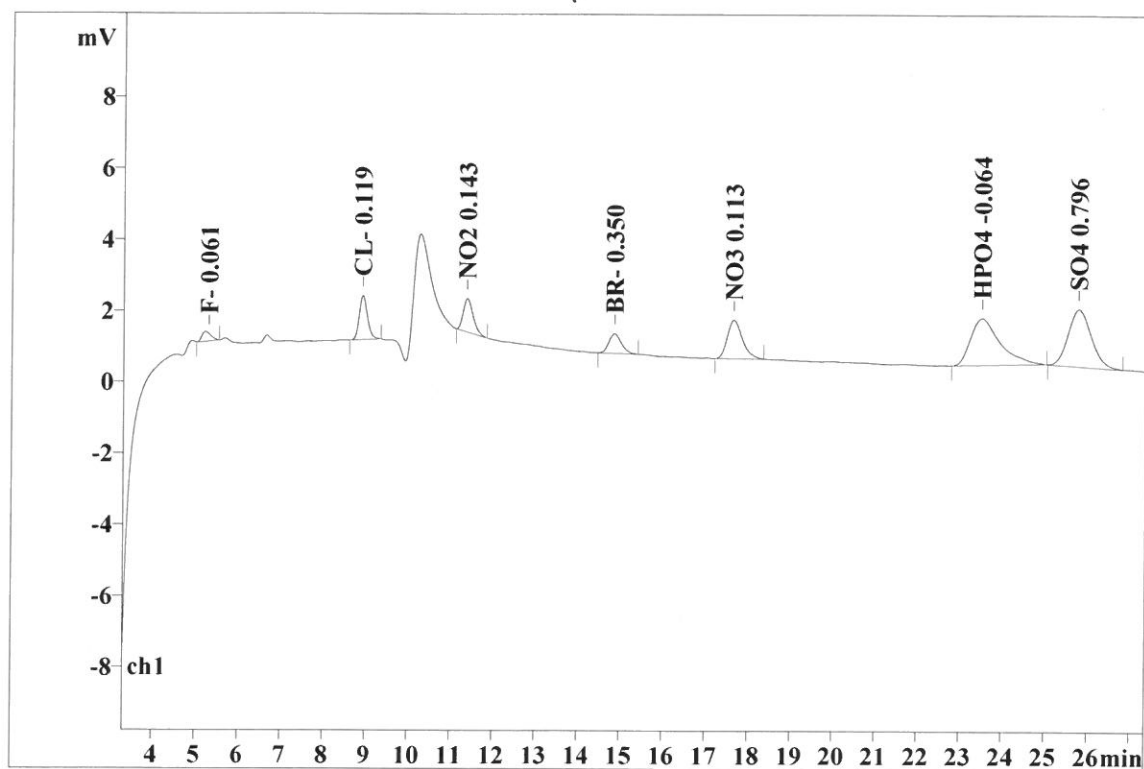
Last save: 8/3/2017 3:44:18 PM

Manual peaks!
Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14741

Last save: 7/11/2017 2:33:

SAMPLE:
:
Vial number: 18
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

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9/3/17
AK/rev



Quantitation method: Custom

No	Retention min	Width/2 min	Height mV	Height %	Area mV*sec	Area %
1	5.31	0.281	0.20	2.86	3.964	2.00
2	8.91	0.205	1.24	17.86	16.763	8.45
3	11.38	0.250	0.93	13.49	15.197	7.66
4	14.85	0.314	0.55	7.91	11.164	5.63
5	17.64	0.375	1.08	15.65	26.898	13.56
6	23.51	0.711	1.32	18.98	64.044	32.29
7	25.78	0.581	1.61	23.16	60.341	30.42
7	28.00	0.388	6.92	99.91	198.370	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:44:53 PM
Printed by: wet

Ident: I4047-05
Analysis from: 7/11/2017 8:19:26 PM
File: _2017-07-11_

Last save: 8/3/2017 3:44:50 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14742

Last save: 7/11/2017 2:33:

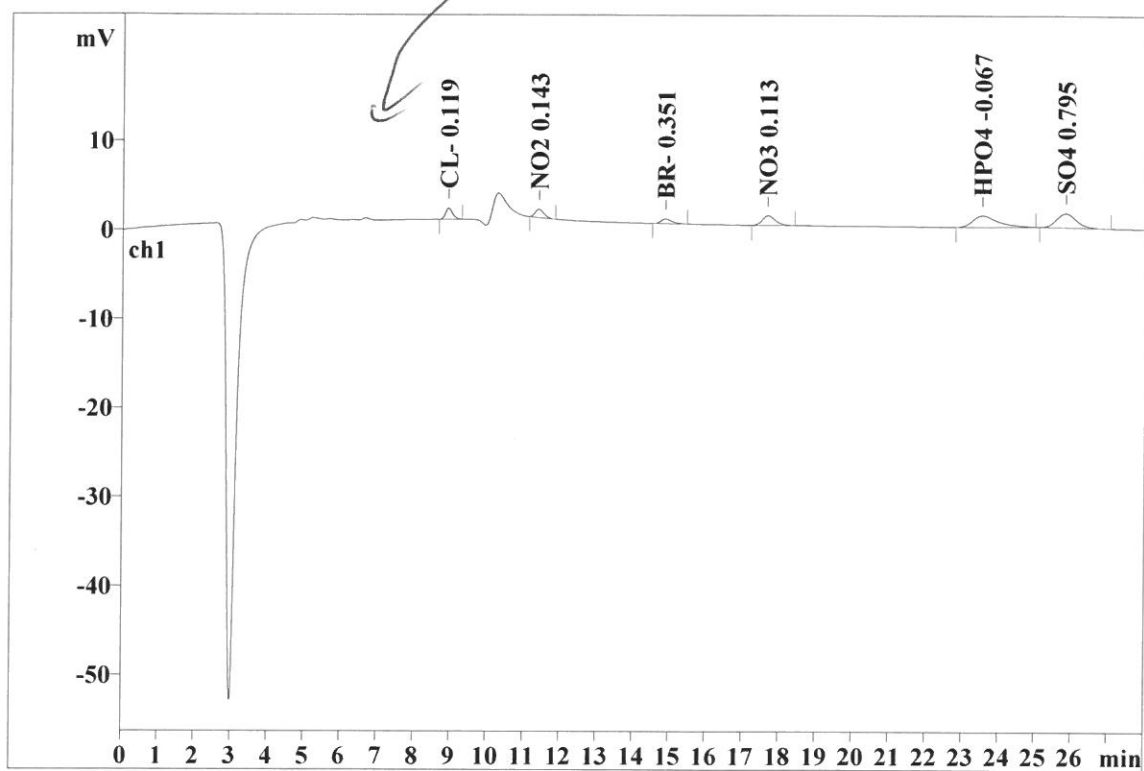
SAMPLE:
: AK/AP
Vial number: 15
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before

*Peak is not
Integrated by
software*

al

8/3/18



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	8.92	0.206	1.24	18.59	16.815	8.75
3	11.40	0.251	0.94	14.01	15.107	7.87
4	14.87	0.317	0.54	8.12	11.562	6.02
5	17.67	0.375	1.08	16.17	26.573	13.84
6	23.53	0.708	1.29	19.27	62.281	32.43
7	25.82	0.577	1.59	23.73	59.727	31.10
7	28.00	0.348	6.68	99.89	192.066	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:45:21 PM
Printed by: wet

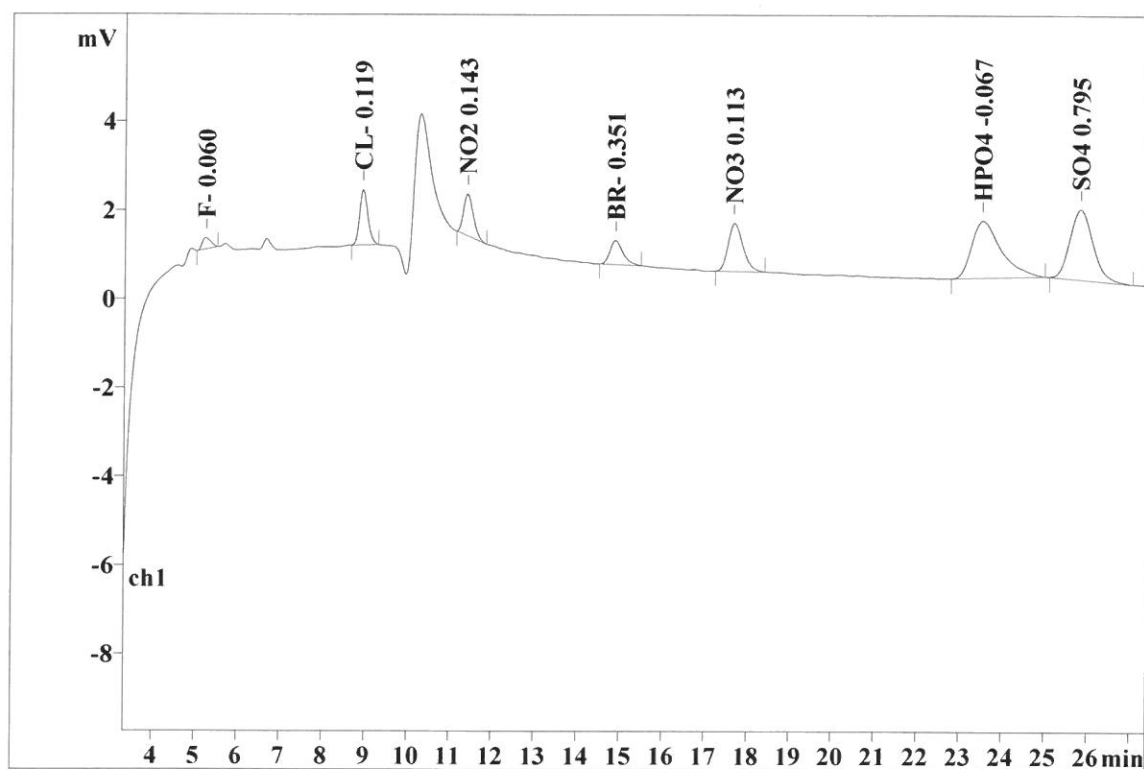
Ident: I4047-05
Analysis from: 7/11/2017 8:19:26 PM
File: 2017-07-11_
Modified! Manual peaks!
Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14742

Last save: 8/3/2017 3:44:50 PM

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 15
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

ADP
al
9/3/17



Quantitation method: Custom

No	Retention min	Width/2 min	Height mV	Height %	Area mV*sec	Area %
1	5.25	0.236	0.25	3.54	3.543	1.81
2	8.92	0.206	1.24	17.93	16.815	8.60
3	11.40	0.251	0.94	13.52	15.107	7.72
4	14.87	0.317	0.54	7.84	11.562	5.91
5	17.67	0.375	1.08	15.60	26.573	13.58
6	23.53	0.708	1.29	18.59	62.281	31.84
7	25.82	0.577	1.59	22.89	59.727	30.53
7	28.00	0.381	6.92	99.91	195.609	100.00

Report date: 8/3/2017 3:45:51 PM
Printed by: wet

Ident: I4047-06
Analysis from: 7/11/2017 8:50:24 PM
File: _2017-07-11_

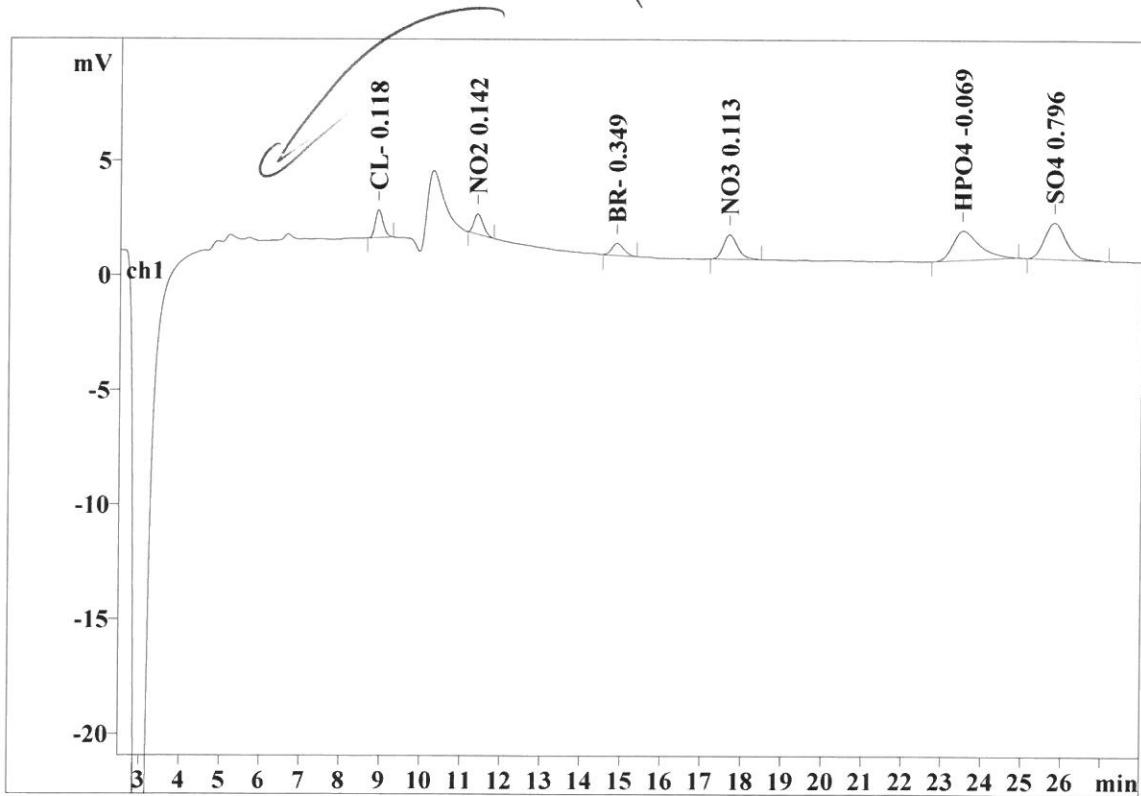
Last save: 8/3/2017 3:45:50 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14743

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 16
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before
Release's not
interpreted by software
8/3/12



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	8.91	0.204	1.22	18.47	16.325	8.65
3	11.38	0.249	0.89	13.54	14.220	7.53
4	14.86	0.321	0.53	8.04	11.013	5.83
5	17.65	0.370	1.07	16.25	26.483	14.02
6	23.49	0.695	1.29	19.52	60.493	32.04
7	25.78	0.577	1.59	24.06	60.297	31.93
7	28.00	0.345	6.59	99.87	188.832	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:46:20 PM
Printed by: wet

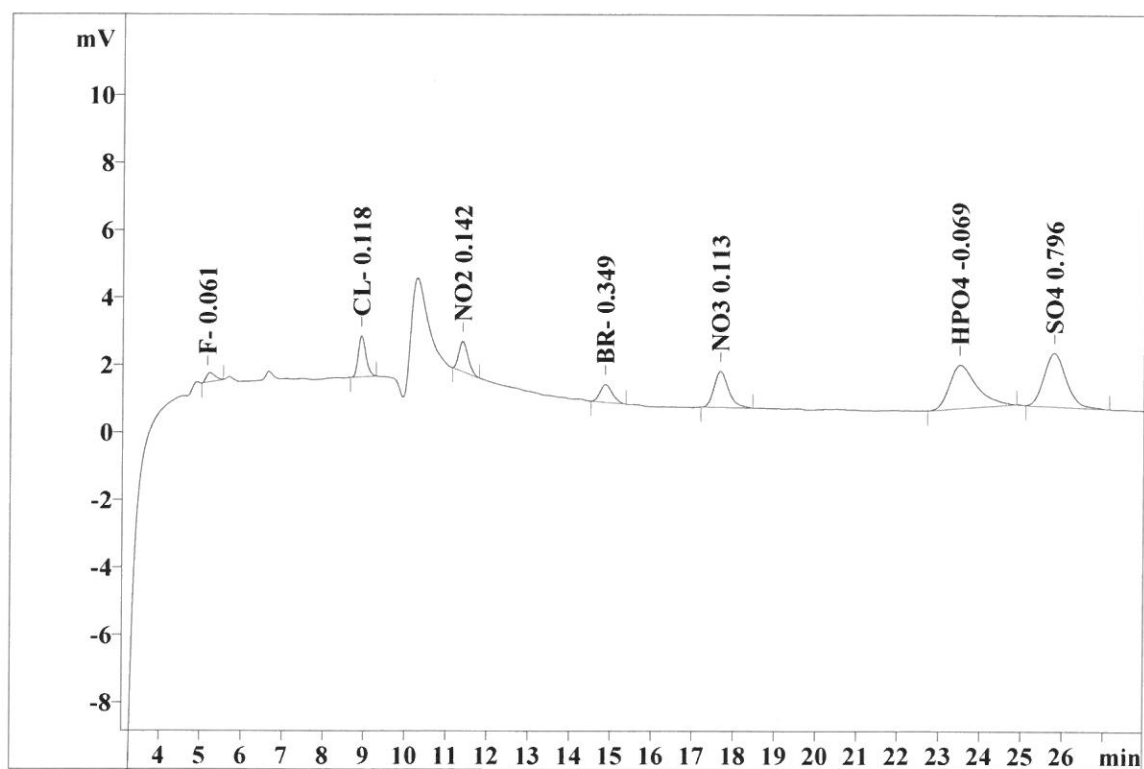
Ident: I4047-06
Analysis from: 7/11/2017 8:50:24 PM
File: 2017-07-11_
Modified! Manual peaks!
Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14743

Last save: 8/3/2017 3:45:50 PM

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 16
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

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of
07/11/17



Quantitation method: Custom

No	Retention min	Width/2 min	Height mV	Height %	Area mV*sec	Area %
1	5.15	0.258	0.22	3.24	3.828	1.99
2	8.91	0.204	1.22	17.87	16.325	8.47
3	11.38	0.249	0.89	13.10	14.220	7.38
4	14.86	0.321	0.53	7.78	11.013	5.72
5	17.65	0.370	1.07	15.72	26.483	13.75
6	23.49	0.695	1.29	18.89	60.493	31.40
7	25.78	0.577	1.59	23.28	60.297	31.30
7	28.00	0.382	6.81	99.89	192.660	100.00

Report date: 8/3/2017 3:46:29 PM
Printed by: wet

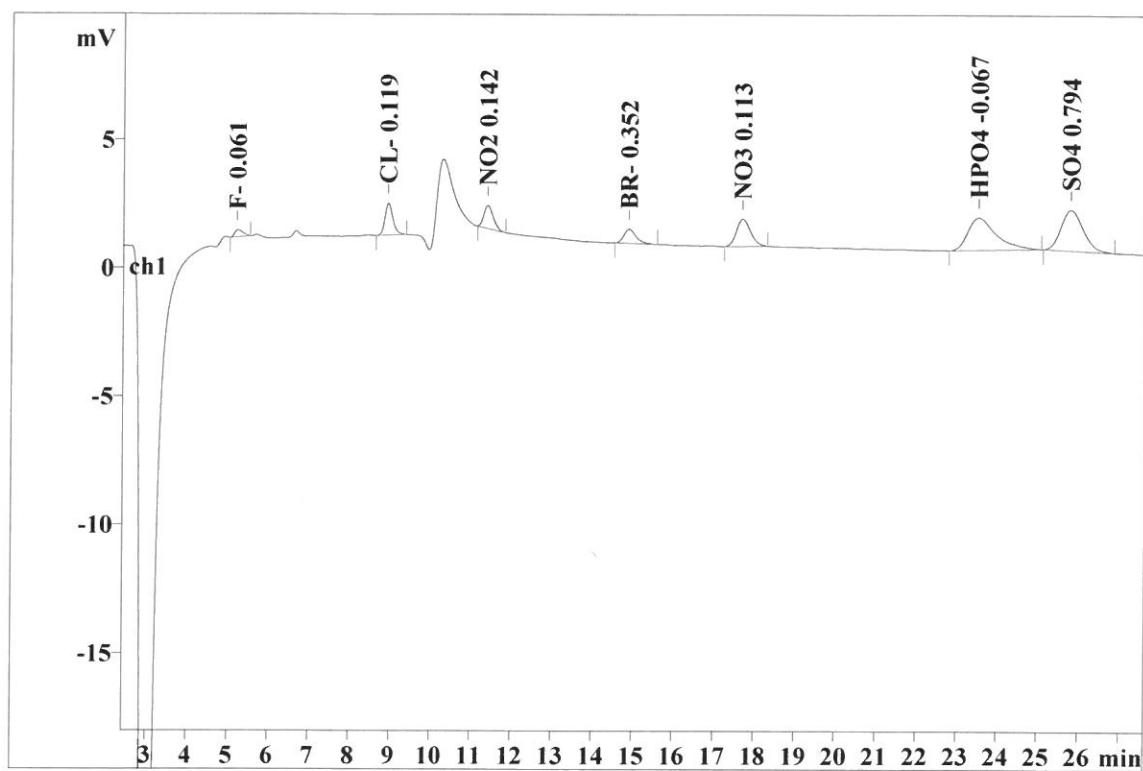
Ident: I4047-07
Analysis from: 7/11/2017 9:21:23 PM
File: _2017-07-11_

Last save: 8/3/2017 3:38:33 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14744

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 17
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	5.22	0.237	0.27	3.99	4.016	2.06
2	8.92	0.207	1.24	17.98	17.104	8.79
3	11.39	0.251	0.89	12.97	14.375	7.39
4	14.87	0.323	0.55	8.04	12.017	6.18
5	17.67	0.376	1.07	15.49	26.098	13.41
6	23.51	0.711	1.27	18.35	61.959	31.84
7	25.78	0.574	1.59	23.01	59.030	30.33
7	28.00	0.383	6.88	99.82	194.599	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:46:48 PM
Printed by: wet

Ident: I4047-07
Analysis from: 7/11/2017 9:52:20 PM
File: _2017-07-11_

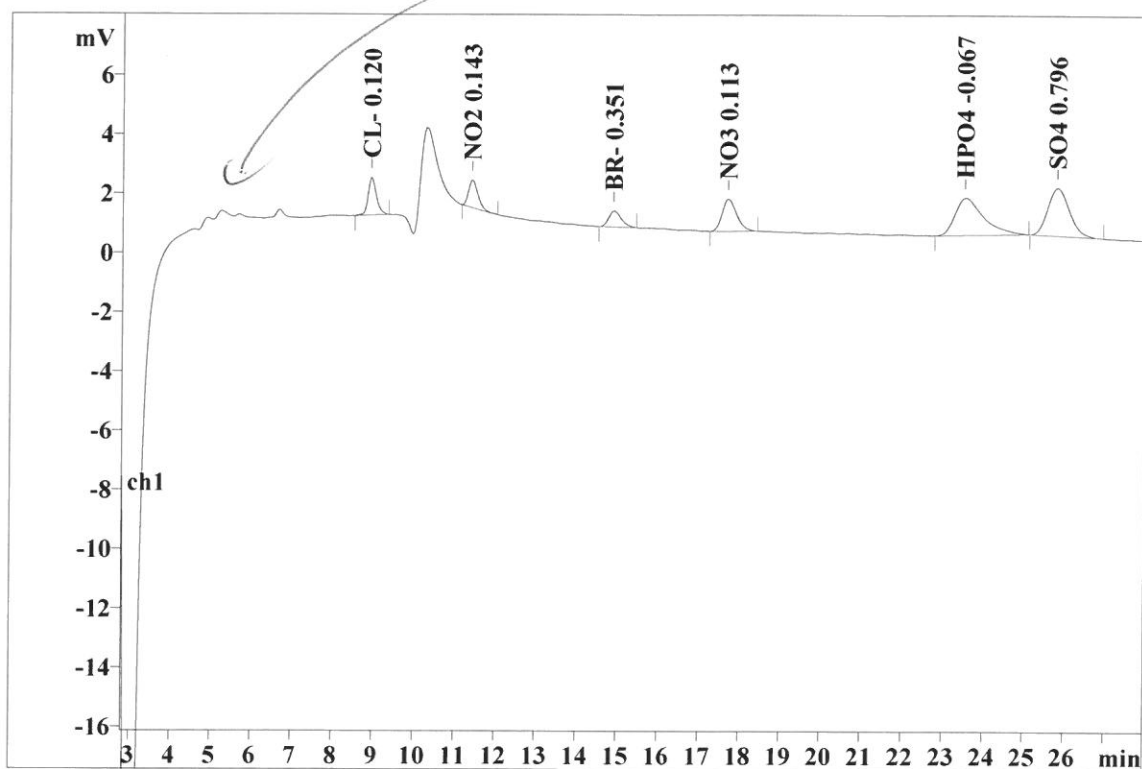
Last save: 8/3/2017 3:46:47 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14745

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 18
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before
AK
9/8/18
Peak is not integrated by software



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	8.93	0.209	1.26	18.78	17.875	9.20
3	11.41	0.251	0.93	13.88	15.103	7.77
4	14.89	0.327	0.55	8.15	11.791	6.07
5	17.70	0.375	1.09	16.20	26.729	13.76
6	23.54	0.724	1.26	18.78	62.266	32.05
7	25.81	0.579	1.62	24.13	60.495	31.14
7	28.00	0.352	6.70	99.91	194.260	100.00

This report has been created by IC Net
METROHM LTD

Report date: 8/3/2017 3:47:12 PM
Printed by: wet

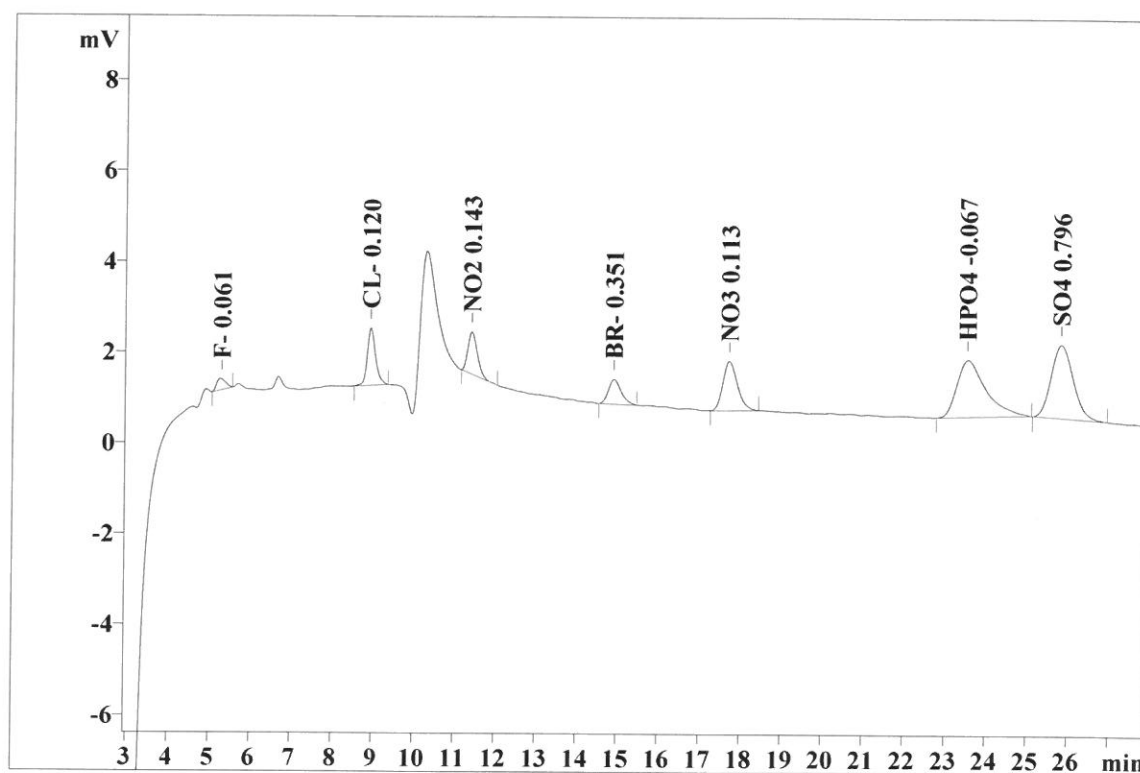
Ident: I4047-07
Analysis from: 7/11/2017 9:52:20 PM
File: 2017-07-11_
Modified! Manual peaks!
Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14745

Last save: 8/3/2017 3:46:47 PM

Last save: 7/11/2017 2:33:

SAMPLE:
: AK/AP
Vial number: 18
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Handwritten: 8/3/17



Quantitation method: Custom

No	Retention min	Width/2 min	Height mV	Height %	Area mV*sec	Area %
1	5.28	0.261	0.23	3.30	3.733	1.89
2	8.93	0.209	1.26	18.16	17.875	9.03
3	11.41	0.251	0.93	13.43	15.103	7.63
4	14.89	0.327	0.55	7.88	11.791	5.96
5	17.70	0.375	1.09	15.66	26.729	13.50
6	23.54	0.724	1.26	18.16	62.266	31.45
7	25.81	0.579	1.62	23.34	60.495	30.55
7	28.00	0.389	6.93	99.92	197.993	100.00

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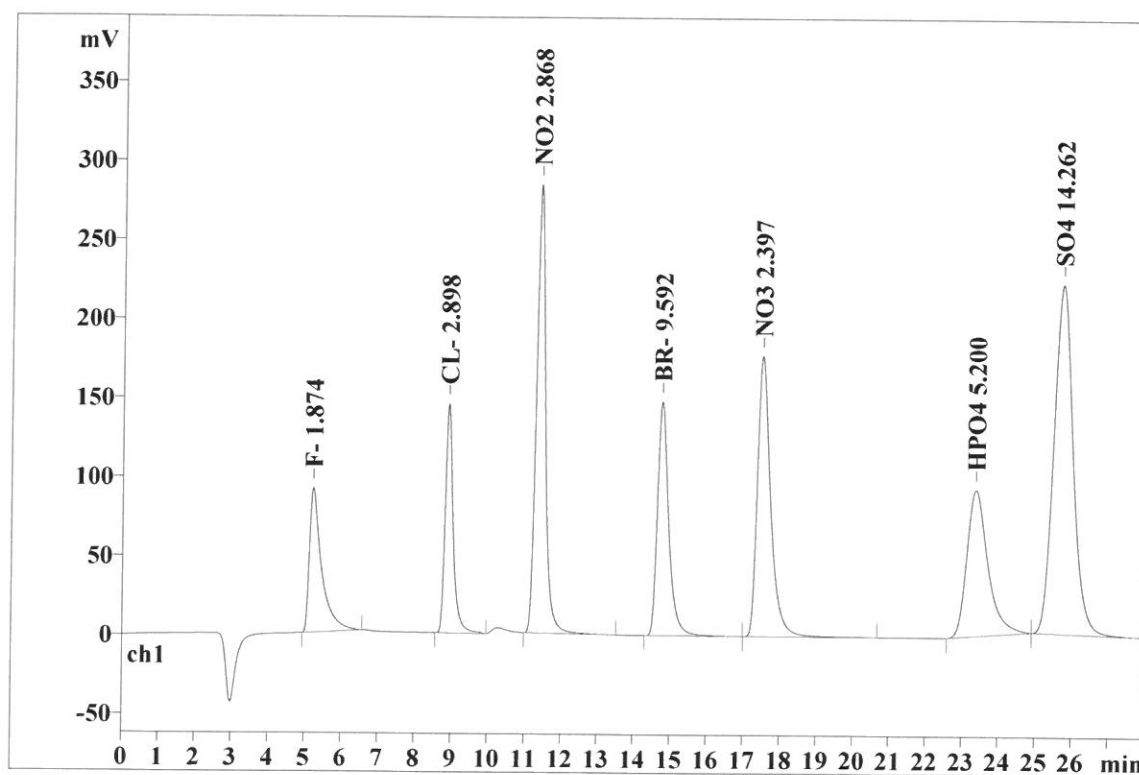
Report date: 8/3/2017 3:47:27 PM
 Printed by: wet
 Ident: CCV
 Analysis from: 7/11/2017 10:23:23 PM
 File: _2017-07-11_

Last save: 8/1/2017 5:47:19 PM

Method: AnionsIC2-071117.mtw
 Run operator: wet
 Analysis number: 14746

Last save: 7/11/2017 2:33:

SAMPLE:
 : AK/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	5.22	0.309	91.23	7.88	2088.783	7.30
2	8.91	0.211	145.02	12.52	2160.792	7.55
3	11.39	0.255	283.44	24.48	4944.429	17.28
4	14.75	0.314	147.86	12.77	3193.352	11.16
5	17.49	0.366	177.32	15.31	4473.506	15.64
6	23.36	0.585	92.35	7.98	3692.485	12.91
7	25.71	0.552	220.71	19.06	8054.034	28.15
7	28.00	0.370	1157.91	100.00	28607.381	100.00

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Report date: 8/3/2017 3:47:33 PM
Printed by: wet

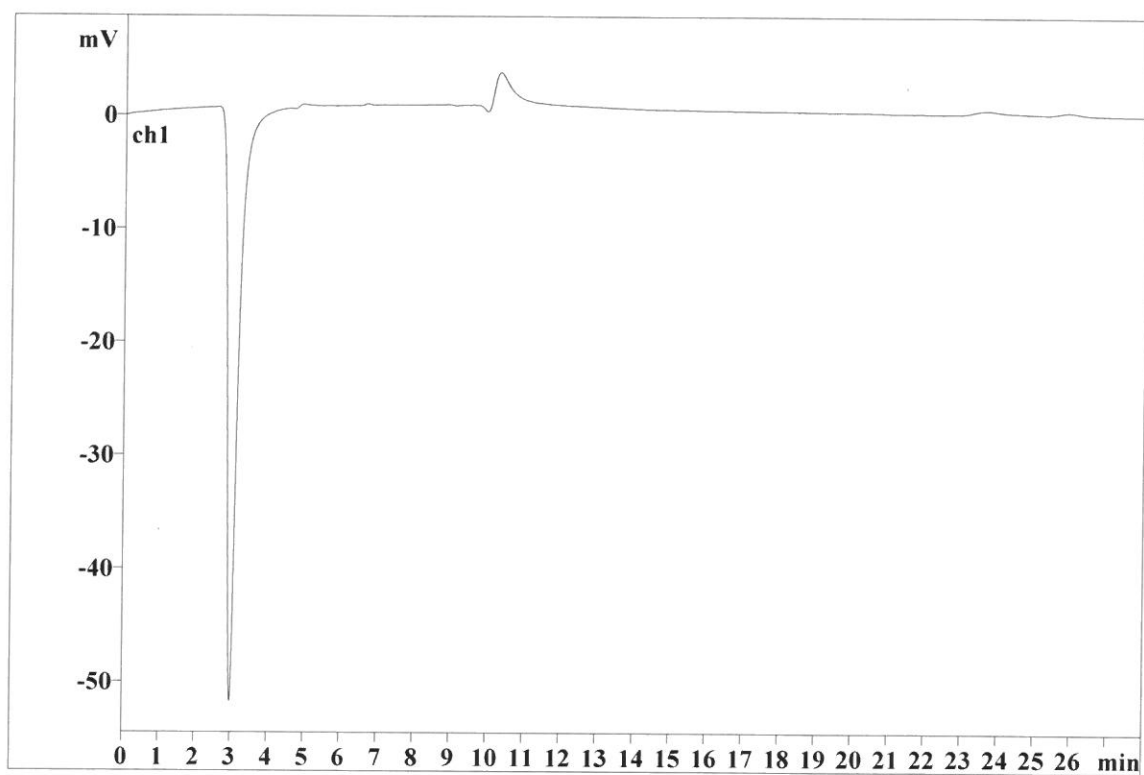
Ident: CCB
Analysis from: 7/11/2017 10:54:22 PM
File: _2017-07-11_

Last save: 8/1/2017 5:47:19 PM

Method: AnionsIC2-071117.mtw
Run operator: wet
Analysis number: 14747

Last save: 7/11/2017 2:33:

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



Quantitation method: Custom

No peaks

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