

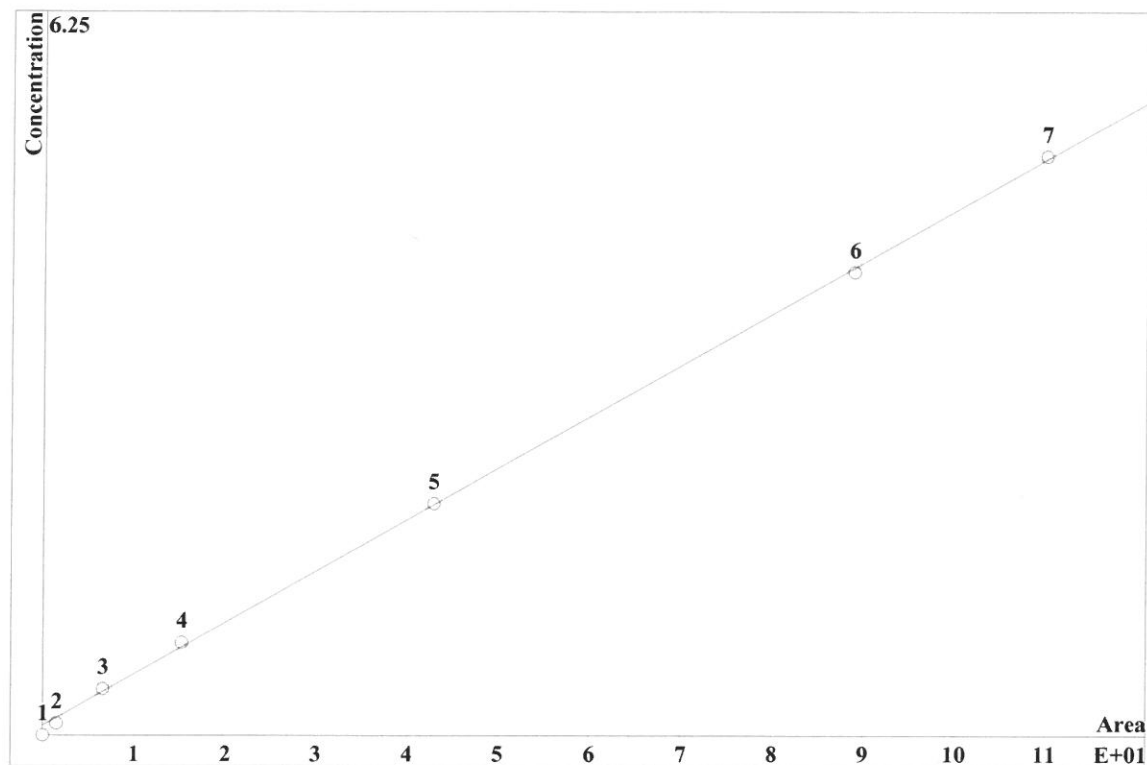
Clear table

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	_2018-02-19_	2/19/18 11:21
STD2	0.1530	0.2160	0.2320	0.8500	0.1930	0.0070	1.3040	_2018-02-19_	2/19/18 11:52
STD3	0.4360	0.6240	0.6410	2.2130	0.5170	0.7800	3.2090	_2018-02-19_	2/19/18 12:23
STD4	0.8170	1.2010	1.1690	4.0340	0.9860	2.0620	5.8360	_2018-02-19_	2/19/18 12:54
STD5	1.9920	2.8750	2.9130	9.8280	2.4220	5.5380	14.0800	_2018-02-19_	2/19/18 13:25
STD6	4.1930	5.9790	5.9750	20.0250	4.9940	10.5130	29.6150	_2018-02-19_	2/19/18 13:56
STD7	5.1930	7.3900	7.3720	24.7180	6.1980	12.8810	37.3940	_2018-02-19_	2/19/18 14:27
ICV	2.1270	2.9250	2.9570	9.7670	2.4380	4.9700	15.3760	_2018-02-20_	2/20/18 10:46
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-02-20_	2/20/18 11:28
CCV	2.0280	2.8870	2.8650	9.4500	2.3430	4.8020	13.6620	_2018-03-09_	3/9/18 10:52
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 11:29
LB93789BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 12:01
LB93789BSW	2.3530	3.2430	3.2400	10.6650	2.6670	5.7360	16.2180	_2018-03-09_	3/9/18 12:33
J1839-01	0.0000	321.2340	0.0000	0.0000	23.7640	0.0000	75.0330	_2018-03-09_	3/9/18 13:09
J1839-02	0.0000	118.7770	0.0000	0.0000	2.1920	0.0000	8.9200	_2018-03-09_	3/9/18 13:41
J1839-03	0.0000	117.7900	0.0000	0.0000	2.1620	0.0000	8.8740	_2018-03-09_	3/9/18 14:13
J1839-04	0.0000	488.7740	0.0000	0.0000	6.6100	0.0000	27.2550	_2018-03-09_	3/9/18 14:45
J1839-04DUP	0.0000	493.5650	0.0000	0.0000	6.7470	0.0000	27.5030	_2018-03-09_	3/9/18 15:17
J1839-04MS	2.4100	447.7350	1.3030	9.8580	8.8510	6.3490	41.3870	_2018-03-09_	3/9/18 15:49
J1839-04MSD	2.5330	445.0870	1.3210	10.2700	8.9980	7.2670	42.1230	_2018-03-09_	3/9/18 16:21
J1839-01DLX50	0.0000	4.4520	0.0000	0.0000	0.4270	0.0000	1.7880	_2018-03-09_	3/9/18 16:53
CCV	2.1320	2.9930	3.0050	9.8800	2.4490	5.5590	14.5290	_2018-03-09_	3/9/18 17:25
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 17:57
J1839-01DLX5	0.0000	56.1610	0.0000	0.0000	4.3240	0.0000	13.1100	_2018-03-09_	3/9/18 18:28
J1839-02DLX20	0.0000	4.2570	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 19:00
J1839-03DLX20	0.0000	4.3080	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 19:32
J1839-04DLX2	0.0000	238.6600	0.0000	0.0000	3.1380	0.0000	13.1370	_2018-03-09_	3/9/18 20:04
J1839-04DLX100	0.0000	3.4890	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 20:36
CCV	2.0290	2.9970	3.0000	9.8760	2.4530	5.4720	14.6280	_2018-03-09_	3/9/18 21:08
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-09_	3/9/18 21:40

IC-1 300' 0
3-14-18 AIC

CALIBRATION OF COMPONENT F-

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 0.888792 \cdot A + 1.72329$
 RSD: 1.957 %
 Correlation coefficient: 0.999844



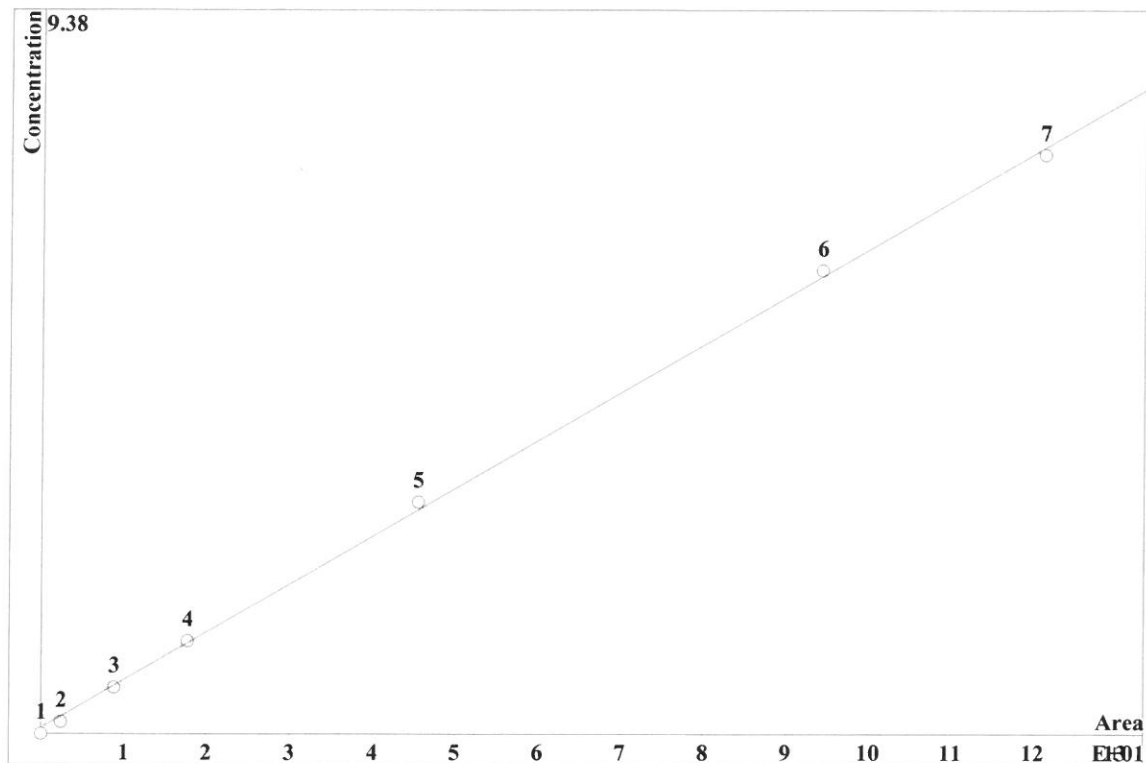
K3 = 0 K2 = 0 K1 = 0.888792 K0 = 1.72329

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	0.07393	1.441	0.1	20	5.921		Yes
3	0.3473	6.589	0.4	20	5.921		Yes
4	0.785	15.21	0.8	20	5.921		Yes
5	2.17	42.89	2	20	5.921		Yes
6	4.625	88.94	4	20	5.921		Yes
7	5.995	110.1	5	20	5.921		Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 1.23947 \cdot A + 1.59291$
 RSD: 2.896 %
 Correlation coefficient: 0.999658



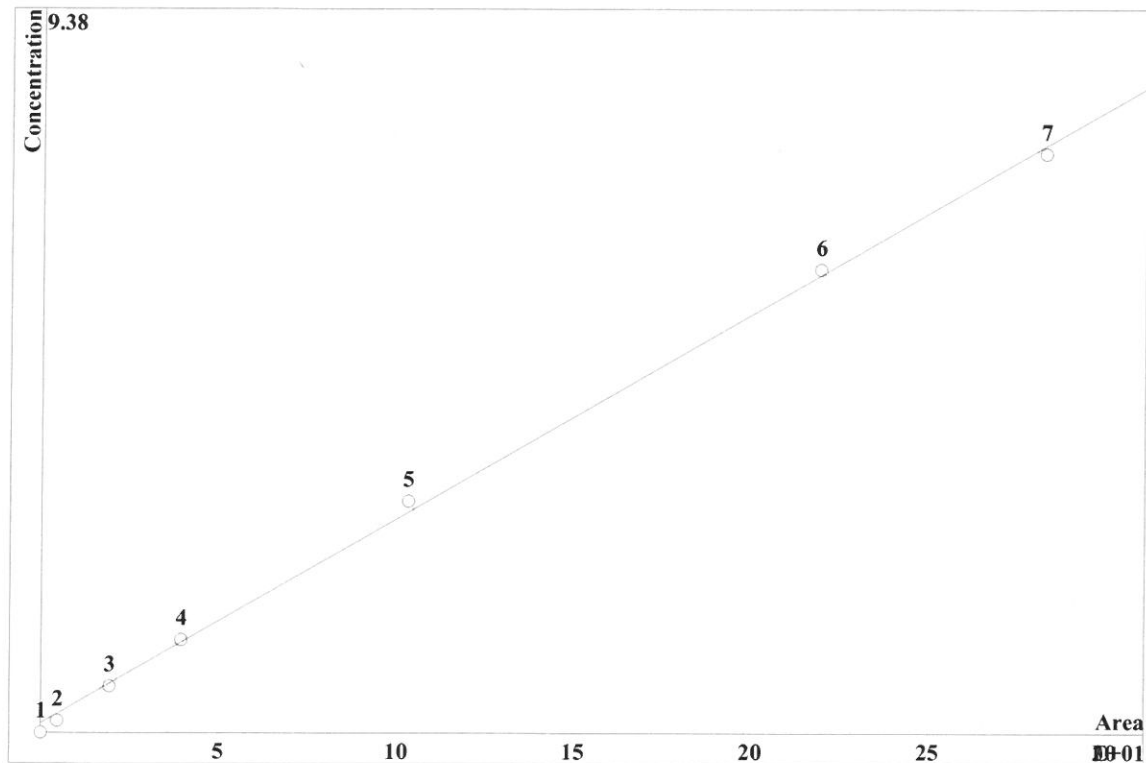
K3 = 0 K2 = 0 K1 = 1.23947 K0 = 1.59291

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	0.1373	2.334	0.15	20	8.982	Yes	
3	0.5373	8.835	0.6	20	8.982	Yes	
4	1.088	17.72	1.2	20	8.982	Yes	
5	2.788	45.51	3	20	8.982	Yes	
6	5.877	94.31	6	20	8.982	Yes	
7	7.609	121.3	7.5	20	8.982	Yes	

CALIBRATION OF COMPONENT NO2

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 0.529462 \cdot A + 2.48671$
 RSD: 3.583 %
 Correlation coefficient: 0.999476



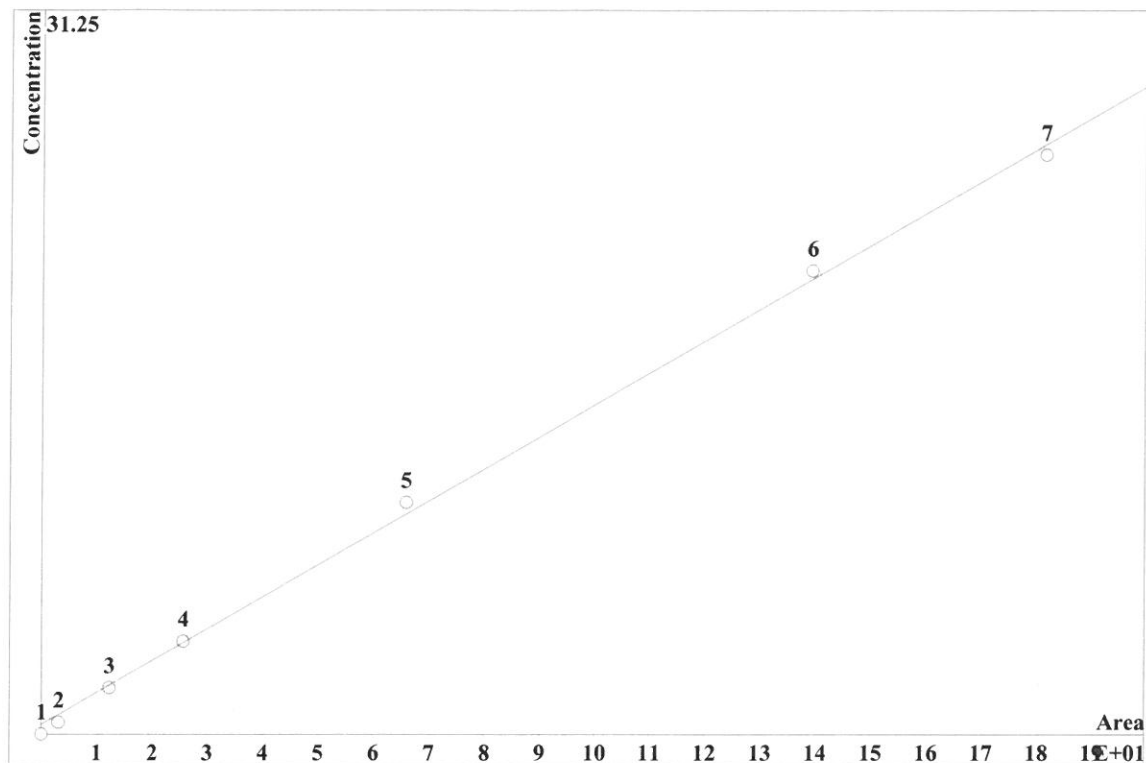
K3 = 0 K2 = 0 K1 = 0.529462 K0 = 2.48671

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	0.2217	4.571	0.15	20	10.72	Yes	
3	1.016	19.44	0.6	20	10.72	Yes	
4	2.09	39.61	1.2	20	10.72	Yes	
5	5.464	103.3	3	20	10.72	Yes	
6	11.48	219.2	6	20	10.72	Yes	
7	14.71	282.7	7.5	20	10.72	Yes	

CALIBRATION OF COMPONENT BR-

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 2.75892 \cdot A + 8.44356$
 RSD: 4.139 %
 Correlation coefficient: 0.999301



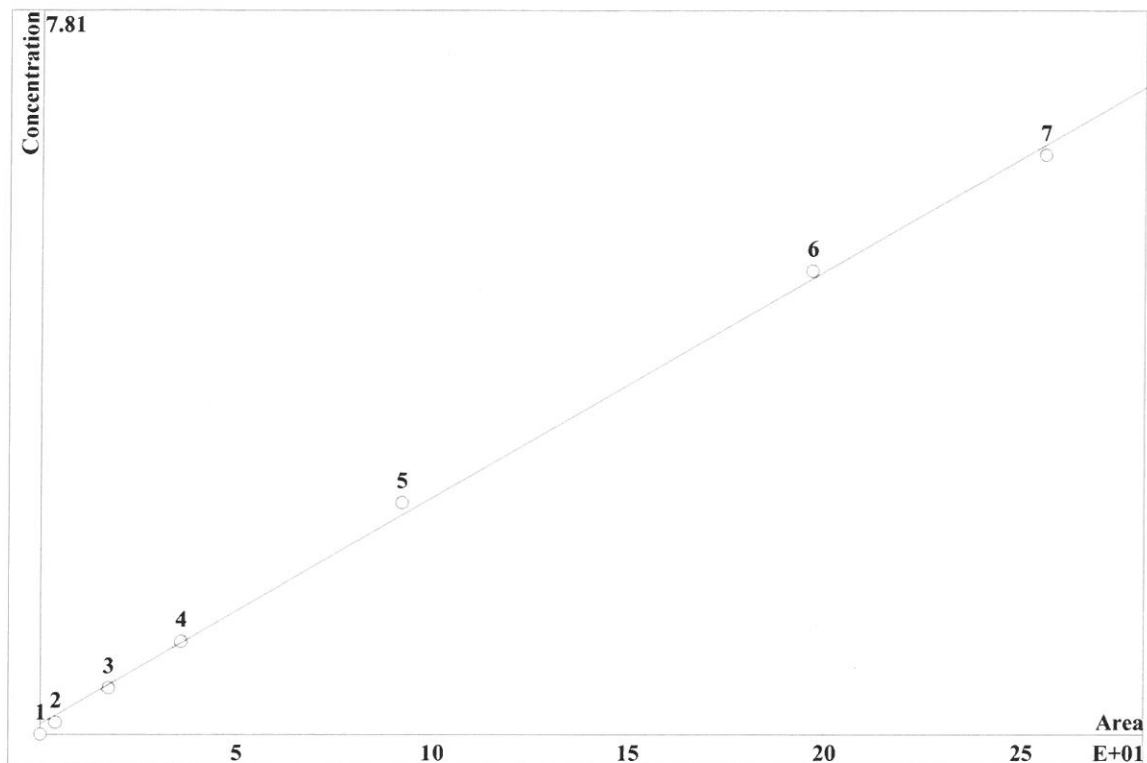
K3 = 0 K2 = 0 K1 = 2.75892 K0 = 8.44356

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	0.158	3.013	0.5	20	13.6	Yes	
3	0.6656	12.32	2	20	13.6	Yes	
4	1.39	25.58	4	20	13.6	Yes	
5	3.626	65.8	10	20	13.6	Yes	
6	7.665	139.3	20	20	13.6	Yes	
7	9.875	181.5	25	20	13.6	Yes	

CALIBRATION OF COMPONENT NO3

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 0.48854 \cdot A + 2.28868$
 RSD: 4.105 %
 Correlation coefficient: 0.999312



K3 = 0 K2 = 0 K1 = 0.48854 K0 = 2.28868

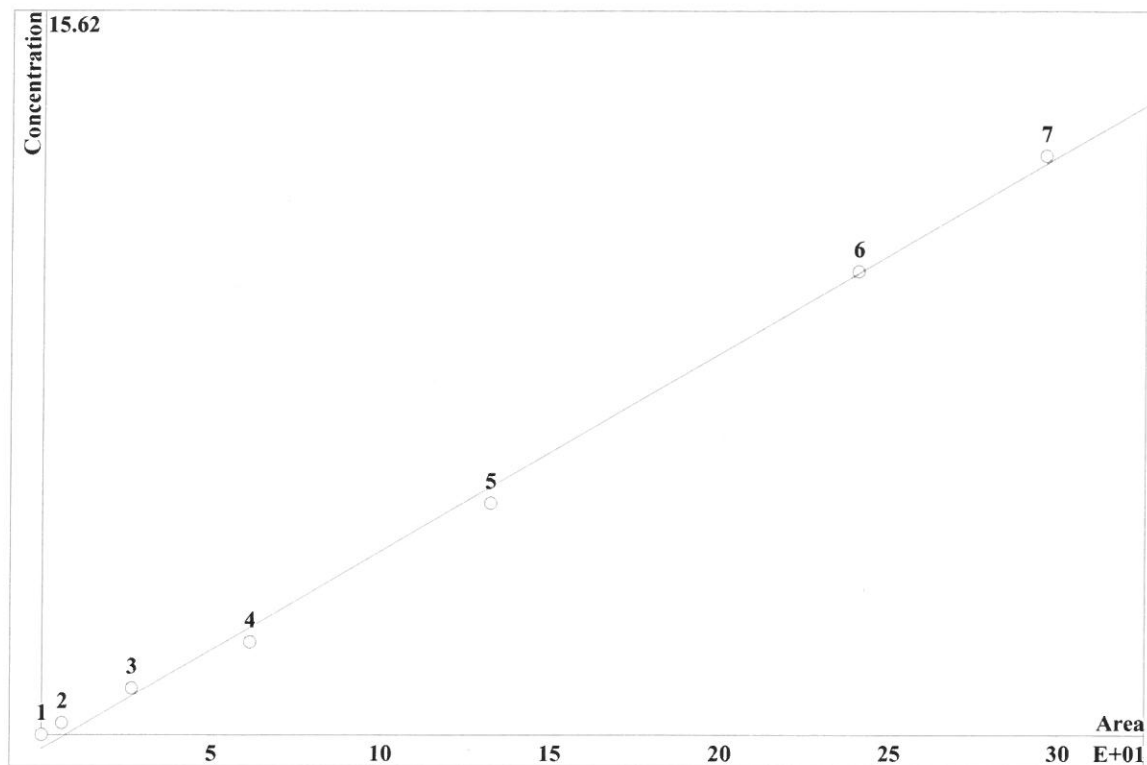
Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1708	3.741	0.125	20	15.49		Yes
3	0.8031	17.29	0.5	20	15.49		Yes
4	1.667	35.75	1	20	15.49		Yes
5	4.409	92.29	2.5	20	15.49		Yes
6	9.547	196.6	5	20	15.49		Yes
7	12.49	255.7	6.25	20	15.49		Yes

±□;§

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 0.853465 \cdot A - 5.94487$
 RSD: 5.937 %
 Correlation coefficient: 0.998560



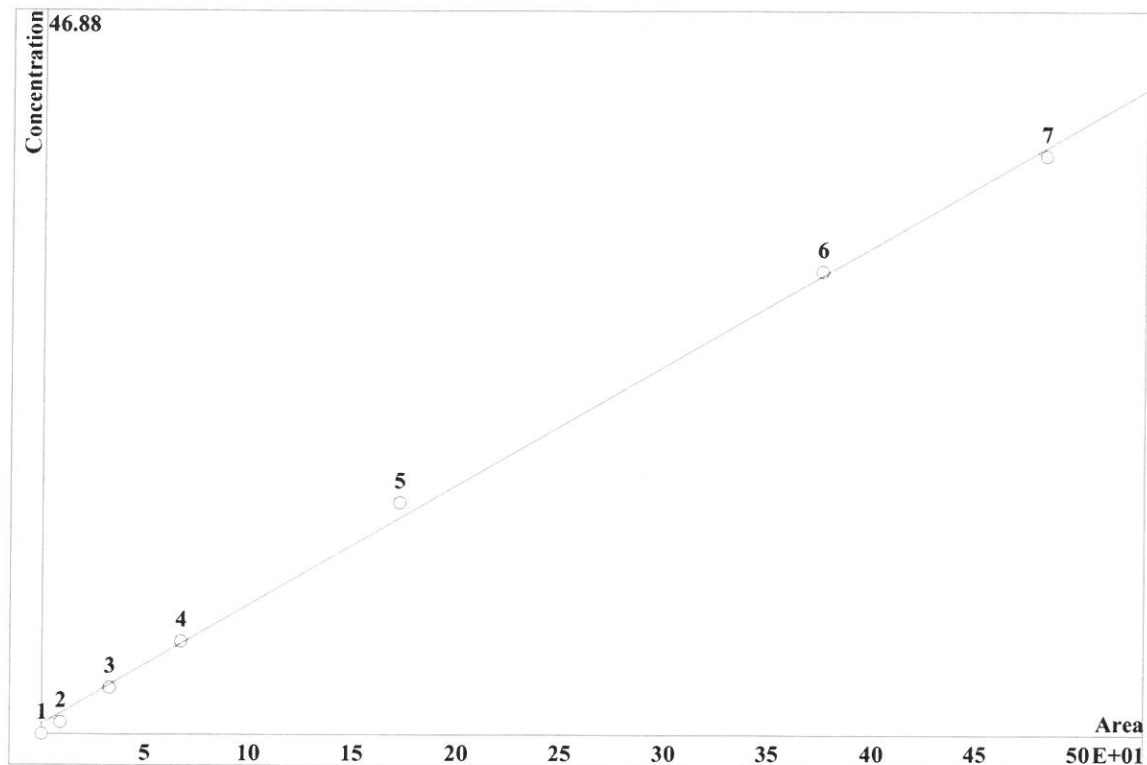
K3 = 0 K2 = 0 K1 = 0.853465 K0 = -5.94487

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	0.1515	5.784	0.25	20	22.72		Yes
3	0.6628	26.71	1	20	22.72		Yes
4	1.539	61.21	2	20	22.72		Yes
5	3.52	132.4	5	20	22.72		Yes
6	6.868	240.4	10	20	22.72		Yes
7	8.595	295.8	12.5	20	22.72		Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 02-19-18.mtw
 Equation: $Q = 1.5477 \cdot A + 13.4127$
 RSD: 4.313 %
 Correlation coefficient: 0.999241



K3 = 0 K2 = 0 K1 = 1.5477 K0 = 13.4127

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	0.2813	8.819	0.75	20	25.7		Yes
3	1.102	32.92	3	20	25.7		Yes
4	2.266	67.29	6	20	25.7		Yes
5	5.971	172.5	15	20	25.7		Yes
6	12.91	375.6	30	20	25.7		Yes
7	16.83	483	37.5	20	25.7		Yes

Report date: 2/19/2018 3:12:40 PM
Printed by: wet

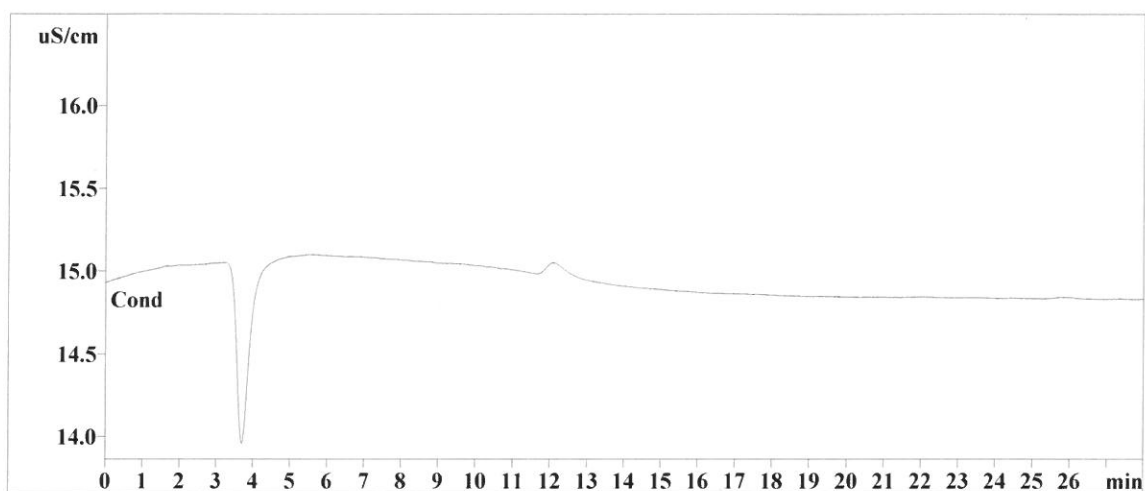
Ident: STD1
Analysis from: 2/19/2018 11:21:53 AM
File: _2018-02-19_

Last save: 2/19/2018 3:05:44 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61045

Last save: 2/19/2018 11:19:12 AM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net
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Report date: 2/19/2018 3:12:48 PM
Printed by: wet

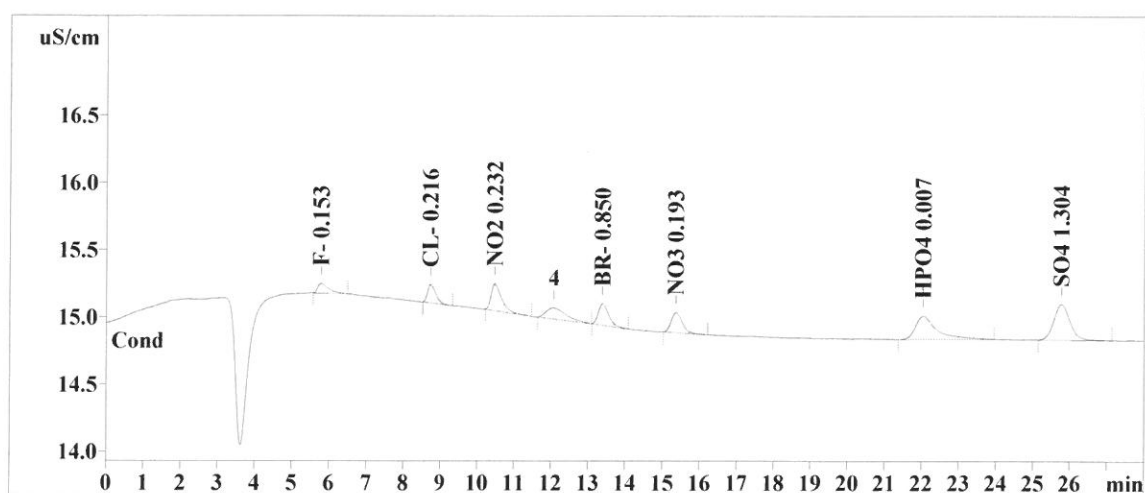
Ident: STD2
Analysis from: 2/19/2018 11:52:47 AM
File: _2018-02-19_

Last save: 2/19/2018 12:20:36 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61046

Last save: 2/19/2018 11:19:12 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.78	0.300	0.07	5.80	1.493	4.60	0.
2	8.73	0.244	0.14	11.00	2.198	6.77	0.
3	10.48	0.295	0.20	16.01	4.053	12.49	0.
4	13.40	0.296	0.16	12.77	3.101	9.56	0.
5	15.36	0.325	0.15	11.98	3.199	9.86	0.
6	22.04	0.531	0.17	13.95	7.131	21.97	0.
7	25.77	0.463	0.27	21.35	8.187	25.23	0.
7	28.00	0.351	1.16	92.86	29.363	90.48	0.

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Report date: 2/19/2018 3:12:55 PM
Printed by: wet

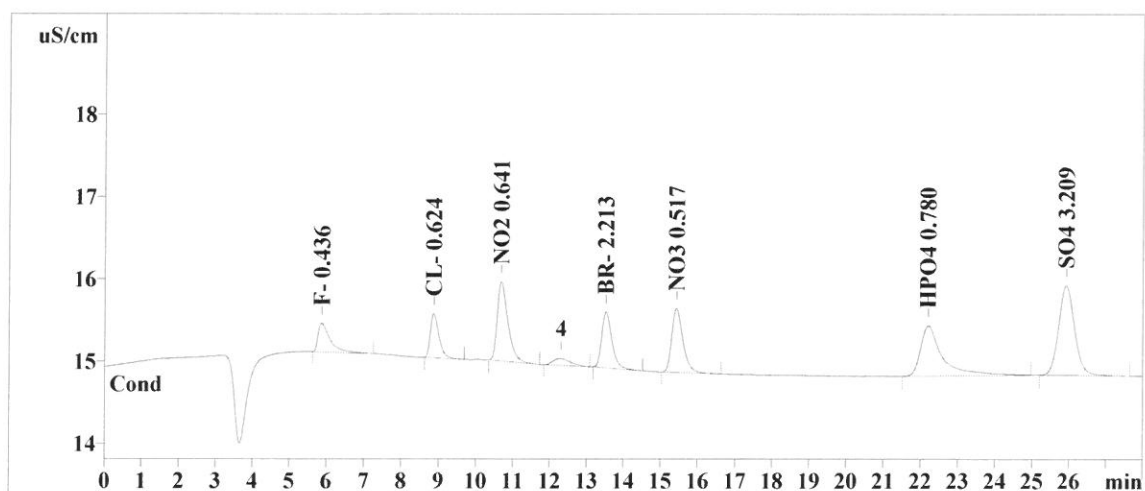
Ident: STD3
Analysis from: 2/19/2018 12:23:42 PM
File: _2018-02-19_

Last save: 2/19/2018 12:51:30 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61047

Last save: 2/19/2018 11:19:12 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.87	0.306	0.35	6.87	7.873	6.22	0.
2	8.86	0.244	0.54	10.56	8.780	6.94	0.
3	10.68	0.301	0.96	18.90	19.511	15.42	0.
4	13.52	0.285	0.68	13.32	12.983	10.26	0.
5	15.42	0.317	0.78	15.23	16.491	13.04	0.
6	22.20	0.512	0.61	12.00	25.239	19.95	0.
7	25.92	0.453	1.09	21.38	32.807	25.94	0.
7	28.00	0.346	5.00	98.26	123.684	97.78	0.

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Report date: 2/19/2018 3:13:02 PM
Printed by: wet

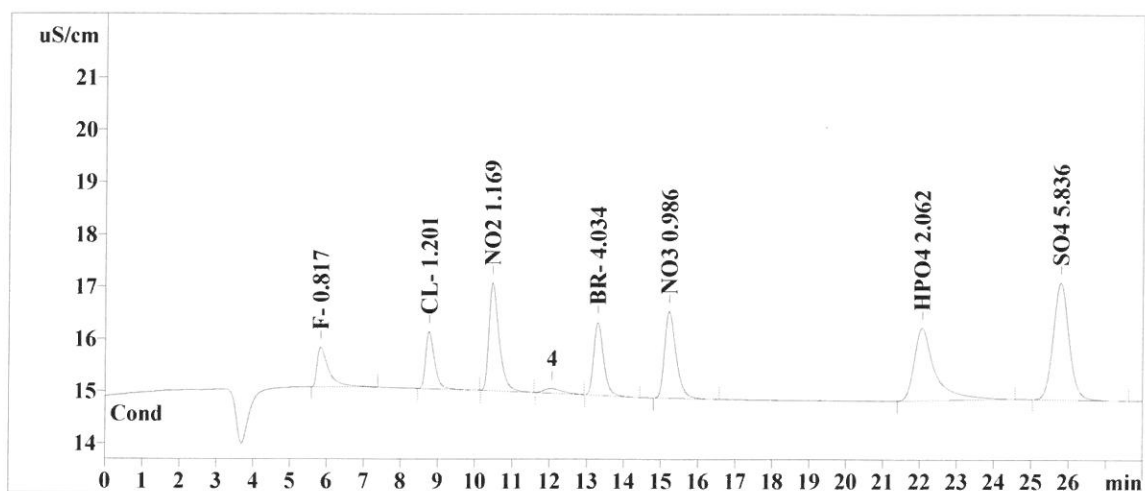
Ident: STD4
Analysis from: 2/19/2018 12:54:36 PM
File: _2018-02-19_

Last save: 2/19/2018 1:22:24 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61048

Last save: 2/19/2018 11:19:12 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.83	0.296	0.75	7.02	16.448	6.30	0.
2	8.76	0.245	1.09	10.22	18.091	6.93	0.
3	10.47	0.284	2.06	19.29	39.474	15.12	0.
4	13.29	0.282	1.39	13.03	26.182	10.03	0.
5	15.21	0.320	1.66	15.54	35.700	13.67	0.
6	22.05	0.515	1.39	13.02	55.280	21.17	0.
7	25.78	0.449	2.24	21.00	66.746	25.57	0.
7	28.00	0.342	10.58	99.12	257.921	98.79	0.

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Report date: 2/19/2018 3:13:09 PM
Printed by: wet

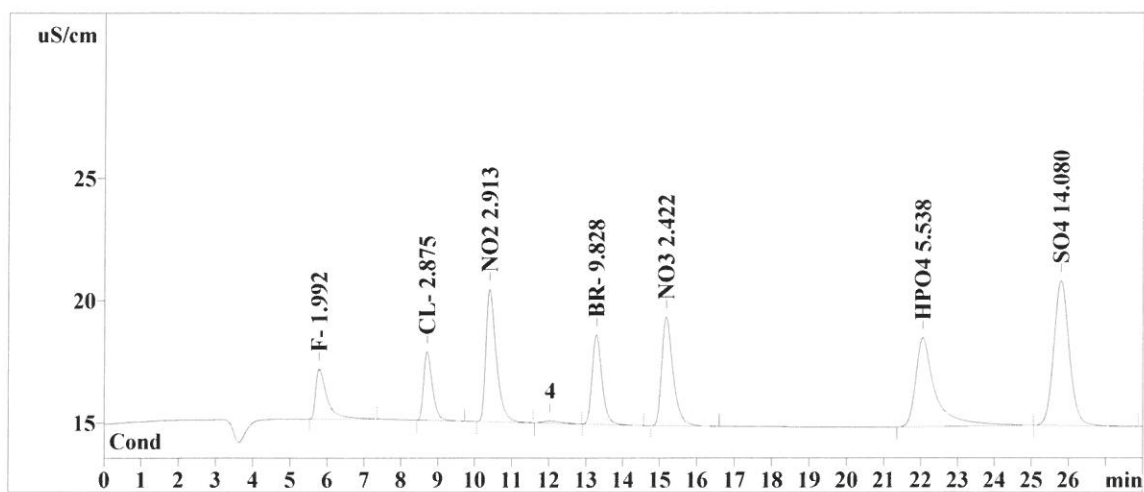
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Analysis from: 2/19/2018 1:25:31 PM
File: _2018-02-19_

Last save: 2/19/2018 1:53:20 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61049

Last save: 2/19/2018 11:19:12 AM

SAMPLE:
: AK/AP
Vial number: 6
Volume: 20.0 μ L
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	5.78	0.287	2.03	7.27	42.888	6.41	0.
2	8.70	0.241	2.79	9.99	45.101	6.74	0.
3	10.40	0.289	5.39	19.31	105.345	15.74	0.
4	13.27	0.281	3.64	13.03	68.182	10.19	0.
5	15.16	0.314	4.44	15.90	94.482	14.12	0.
6	22.05	0.478	3.63	12.99	136.733	20.43	0.
7	25.79	0.442	5.92	21.18	173.287	25.89	0.
7	28.00	0.333	27.84	99.67	666.018	99.52	0.

This report has been created by IC Net
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Report date: 2/19/2018 3:13:17 PM
Printed by: wet

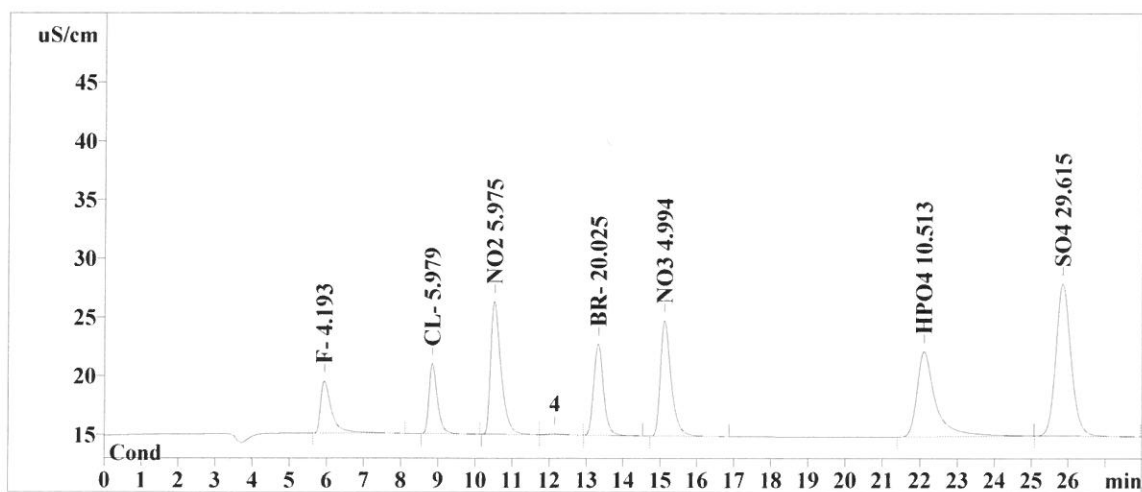
Ident: STD6
Analysis from: 2/19/2018 1:56:25 PM
File: _2018-02-19_

Last save: 2/19/2018 2:24:14 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61050

Last save: 2/19/2018 11:19:12 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.93	0.282	4.41	7.41	92.419	6.69	0.
2	8.84	0.237	5.96	10.01	95.186	6.89	0.
3	10.51	0.290	11.29	18.98	221.014	16.01	0.
4	13.32	0.275	7.75	13.03	142.103	10.29	0.
5	15.10	0.298	9.81	16.47	199.776	14.47	0.
6	22.10	0.456	7.26	12.20	253.325	18.35	0.
7	25.84	0.435	12.94	21.74	374.029	27.09	0.
7	28.00	0.325	59.42	99.85	1377.851	99.79	0.

This report has been created by IC Net
METROHM LTD

Report date: 2/19/2018 3:13:23 PM
Printed by: wet

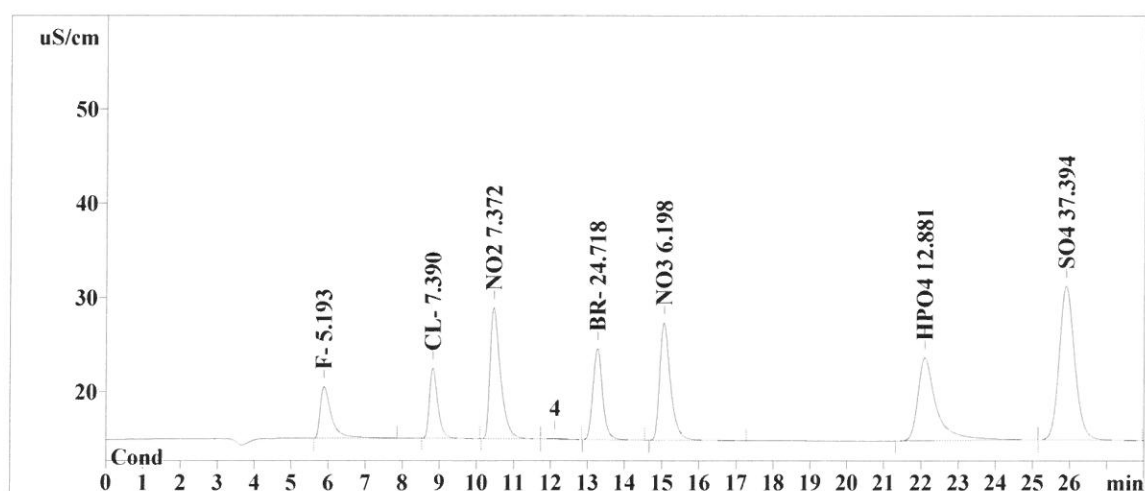
Ident: STD7
Analysis from: 2/19/2018 2:27:19 PM
File: _2018-02-19_

Last save: 2/19/2018 2:55:08 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61051

Last save: 2/19/2018 11:19:12 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	5.88	0.288	5.45	7.36	114.911	6.69	0.
2	8.81	0.235	7.45	10.06	117.960	6.87	0.
3	10.46	0.293	13.89	18.76	273.782	15.94	0.
4	13.27	0.275	9.64	13.02	176.124	10.25	0.
5	15.04	0.293	12.44	16.80	249.057	14.50	0.
6	22.09	0.460	8.79	11.88	308.819	17.98	0.
7	25.90	0.439	16.29	22.00	474.558	27.62	0.
7	28.00	0.326	73.94	99.88	1715.211	99.85	0.

This report has been created by IC Net
METROHM LTD

Report date: 2/20/2018 4:03:22 PM
Printed by: wet

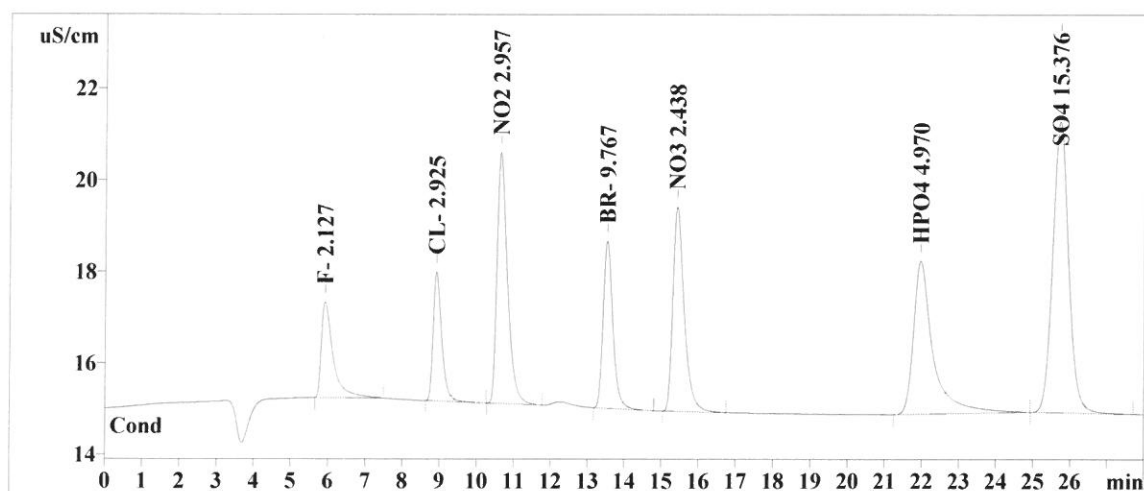
Ident: ICV
Analysis from: 2/20/2018 10:46:38 AM
File: _2018-02-20_

Last save: 2/20/2018 11:25:48 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61063

Last save: 2/19/2018 11:19:12 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.91	0.299	2.09	7.41	45.915	6.80	0.
2	8.91	0.242	2.82	9.99	45.909	6.80	0.
3	10.63	0.289	5.48	19.43	106.996	15.85	0.
4	13.52	0.277	3.65	12.95	67.741	10.03	0.
5	15.41	0.314	4.46	15.82	95.112	14.09	0.
6	21.95	0.473	3.34	11.85	123.442	18.28	0.
7	25.71	0.450	6.36	22.55	190.025	28.15	0.
7	28.00	0.335	28.20	99.99	675.141	100.00	0.

This report has been created by IC Net
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Report date: 2/20/2018 4:03:34 PM
Printed by: wet

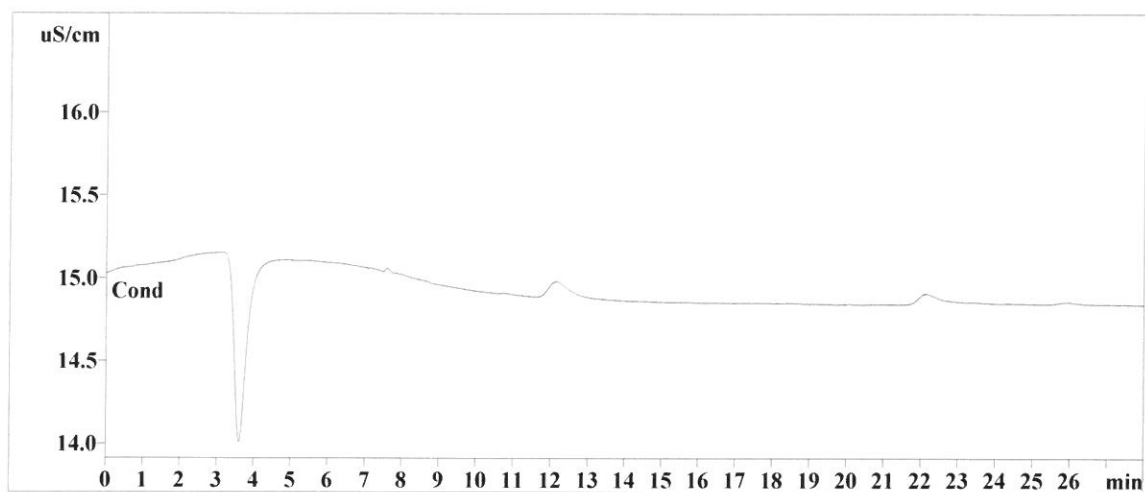
Ident: ICB
Analysis from: 2/20/2018 11:28:17 AM
File: _2018-02-20_

Last save: 2/20/2018 12:11:00 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61064

Last save: 2/19/2018 11:19:12 AM

SAMPLE:
:
Vial number: 4
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: 3/12/2018 10:25:14 AM
Printed by: wet

Ident: CCV
Analysis from: 3/9/2018 10:52:11 AM
File: _2018-03-09_

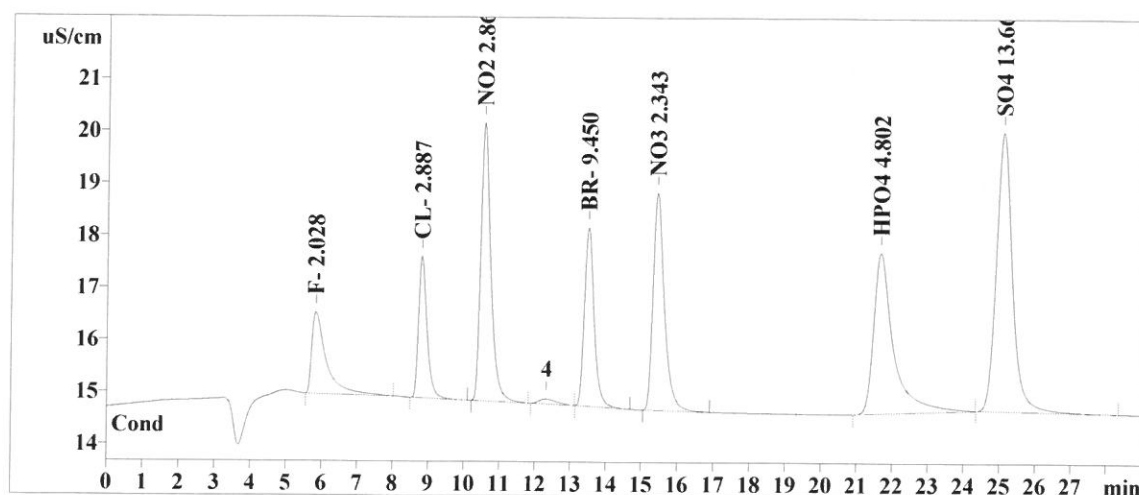
Last save: 3/9/2018 12:21:00 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61313

Last save: 3/6/2018 11:43:22 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.83	0.362	1.56	6.07	43.689	6.83	0.
2	8.80	0.247	2.71	10.55	45.297	7.08	0.
3	10.54	0.286	5.32	20.71	103.533	16.18	0.
4	13.49	0.285	3.42	13.31	65.442	10.23	0.
5	15.41	0.321	4.16	16.18	91.236	14.26	0.
6	21.66	0.498	3.08	11.98	119.499	18.67	0.
7	25.08	0.455	5.35	20.81	167.886	26.23	0.
7	29.00	0.351	25.61	99.61	636.581	99.47	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:25:35 AM
Printed by: wet

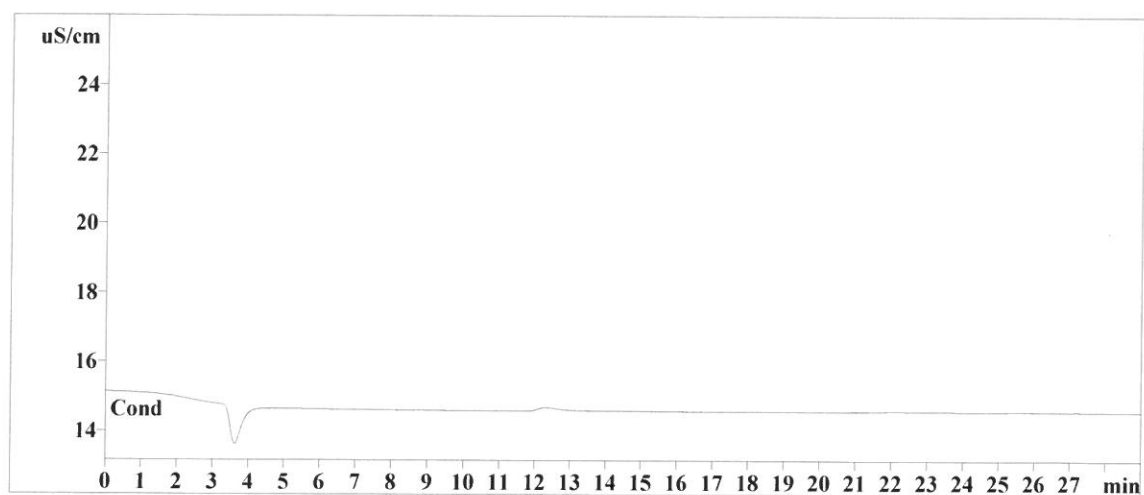
Ident: CCB
Analysis from: 3/9/2018 11:29:54 AM
File: _2018-03-09_

Last save: 3/12/2018 10:25:32 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61314

Last save: 3/6/2018 11:43:22 AM

SAMPLE:
:
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: 3/12/2018 10:25:52 AM
Printed by: wet

Ident: LB93789BLW
Analysis from: 3/9/2018 12:01:48 PM
File: _2018-03-09_

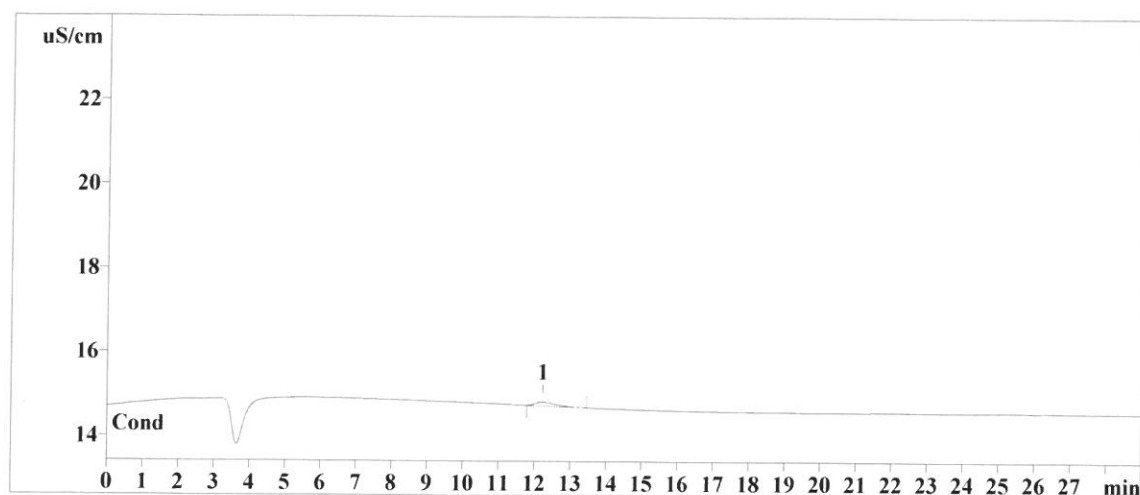
Last save: 3/9/2018 1:30:36 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61315

Last save: 3/6/2018 11:43:22 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	29.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:27:55 AM
 Printed by: wet

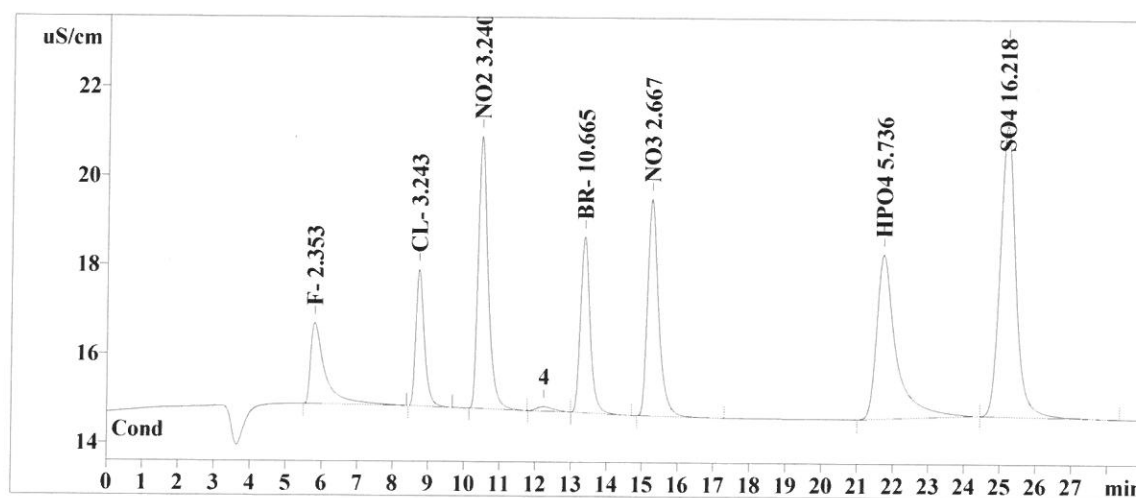
Ident: LB93789BSW
 Analysis from: 3/9/2018 12:33:42 PM
 File: _2018-03-09_

Last save: 3/9/2018 2:02:30 PM

Method: ANIONS 02-19-18.mtw
 Run operator: wet
 Analysis number: 61316

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
 : 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.79	0.355	1.81	6.01	51.014	6.86	0.
2	8.72	0.249	3.06	10.17	51.038	6.86	0.
3	10.46	0.283	6.11	20.31	117.689	15.82	0.
4	13.36	0.281	3.94	13.11	74.252	9.98	0.
5	15.24	0.316	4.86	16.15	104.513	14.04	0.
6	21.72	0.495	3.68	12.24	141.387	19.00	0.
7	25.17	0.450	6.52	21.67	200.907	27.00	0.
7	29.00	0.347	29.98	99.66	740.800	99.55	0.

This report has been created by IC Net
 METROHM LTD

Report date: 3/12/2018 10:55:55 AM
Printed by: wet

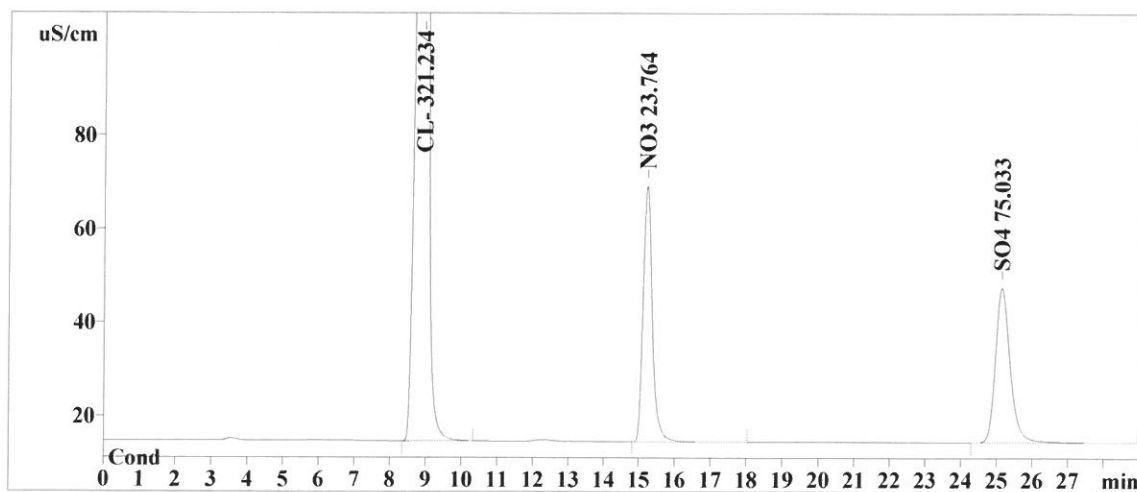
Ident: J1839-01
Analysis from: 3/9/2018 1:09:56 PM
File: _2018-03-09_

Last save: 3/12/2018 10:55:46 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61317

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.93	0.300	270.66	75.55	5182.132	72.87	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.21	0.261	54.60	15.24	968.173	13.61	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.14	0.429	32.99	9.21	960.945	13.51	0.
7	29.00	0.142	358.25	100.00	7111.250	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:34:54 AM
Printed by: wet

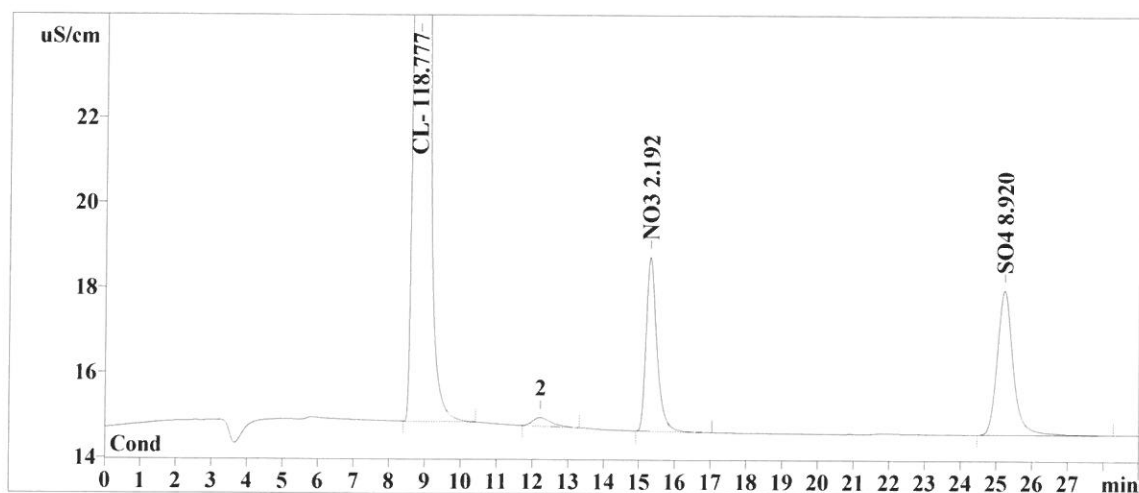
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Analysis from: 3/9/2018 1:41:51 PM
File: _2018-03-09_

Last save: 3/9/2018 3:10:40 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61318

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.82	0.243	118.79	93.92	1915.291	90.59	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.29	0.304	4.09	3.23	85.042	4.02	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.22	0.453	3.39	2.68	106.604	5.04	0.
7	29.00	0.143	126.27	99.84	2106.938	99.65	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:35:12 AM
Printed by: wet

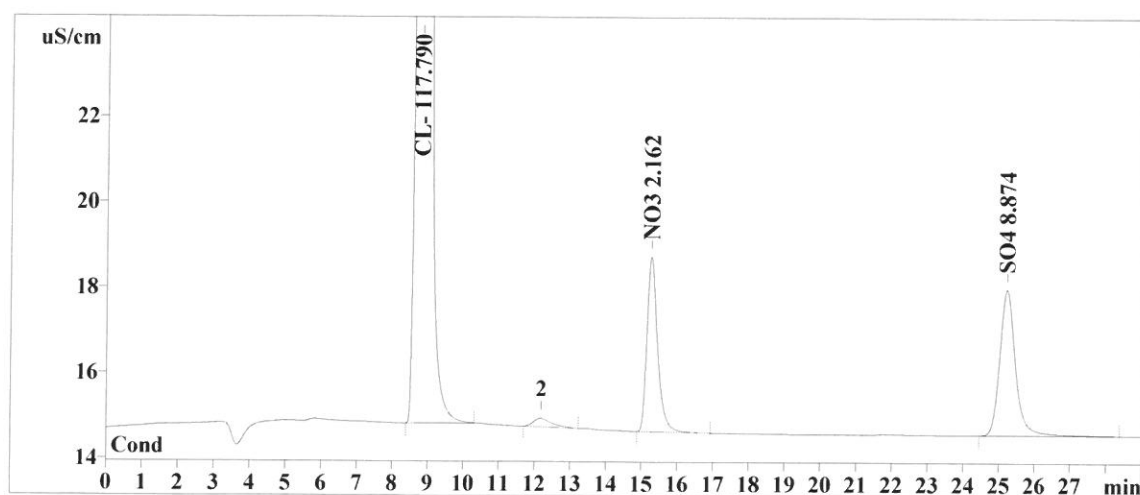
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Analysis from: 3/9/2018 2:13:45 PM
File: _2018-03-09_

Last save: 3/9/2018 3:42:34 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61319

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: AK/AP
Vial number: 8
Volume: 20.0 μ L
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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.80	0.243	118.27	93.89	1899.360	90.61	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.25	0.300	4.09	3.25	83.811	4.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.21	0.447	3.41	2.70	106.003	5.06	0.
7	29.00	0.141	125.76	99.84	2089.173	99.66	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:40:06 AM
Printed by: wet

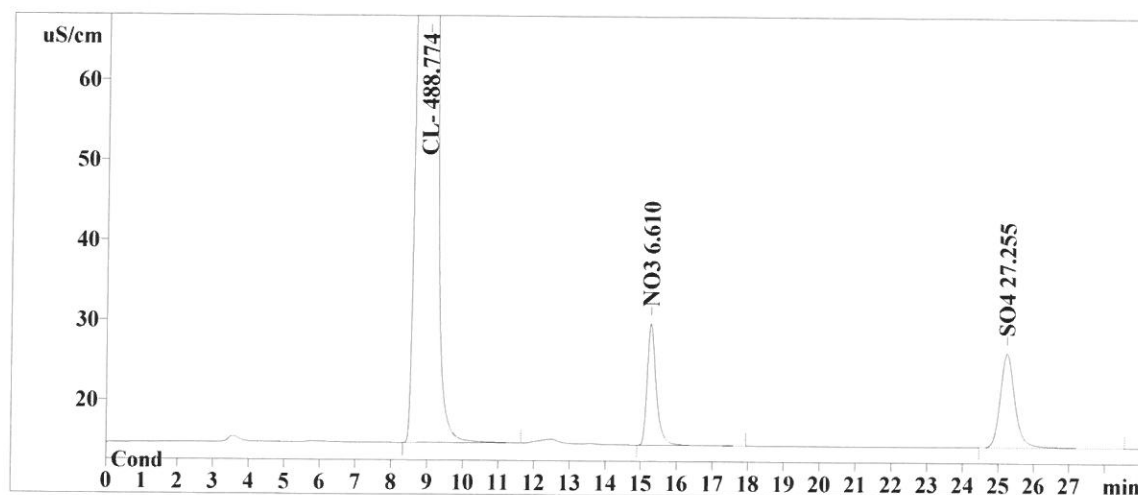
Ident: J1839-04
Analysis from: 3/9/2018 2:45:39 PM
File: _2018-03-09_

Last save: 3/12/2018 10:39:56 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61320

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.00	0.397	316.66	92.18	7885.540	92.83	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.26	0.253	15.14	4.41	265.931	3.13	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.23	0.426	11.74	3.42	343.537	4.04	0.
7	29.00	0.154	343.54	100.00	8495.007	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:43:05 AM
Printed by: wet

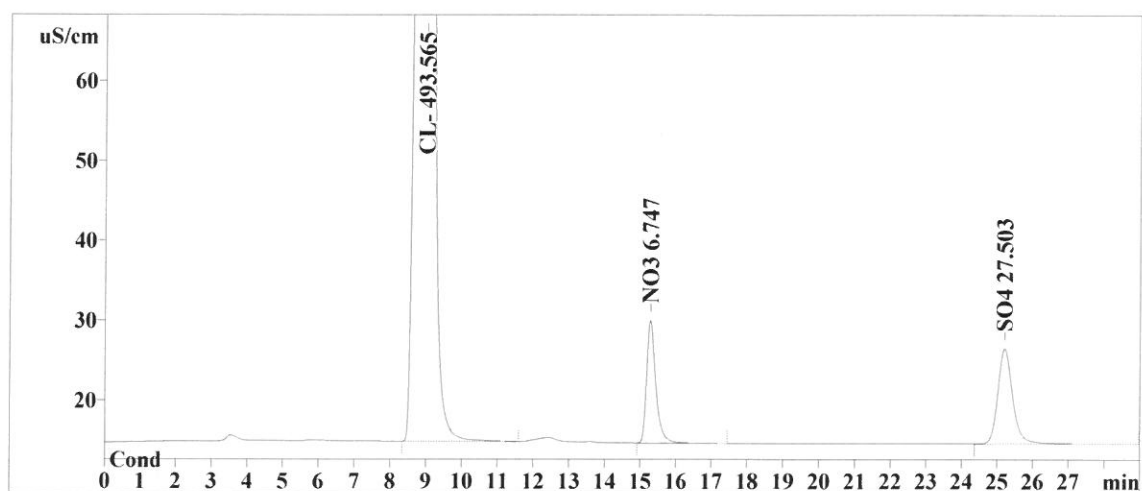
Ident: J1839-04DUP
Analysis from: 3/9/2018 3:17:33 PM
File: _2018-03-09_

Last save: 3/12/2018 10:41:40 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61321

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: AK/AP
Vial number: 10
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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.01	0.401	317.31	92.10	7962.852	92.80	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.27	0.256	15.33	4.45	271.516	3.16	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.21	0.424	11.89	3.45	346.734	4.04	0.
7	29.00	0.154	344.53	100.00	8581.102	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:46:30 AM
Printed by: wet

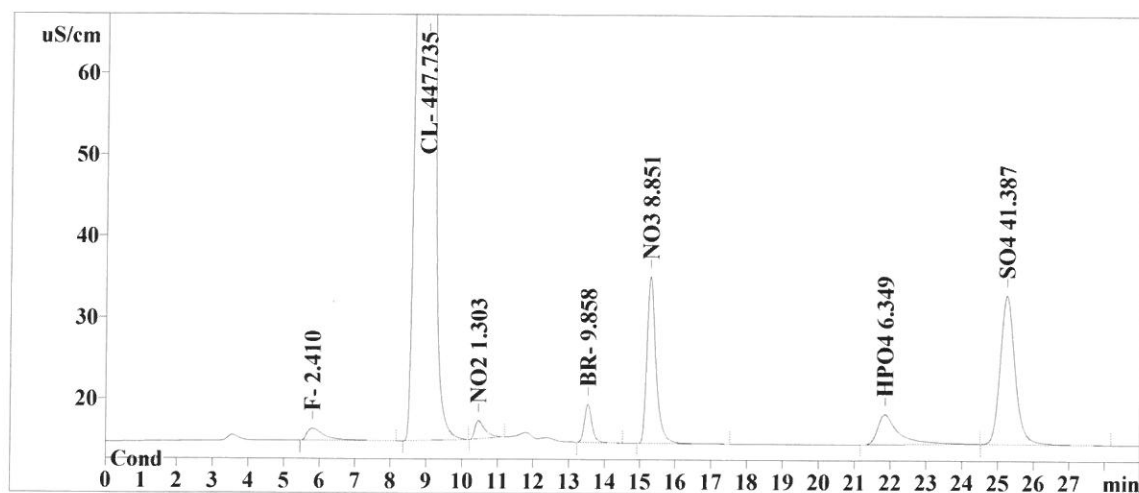
Ident: J1839-04MS
Analysis from: 3/9/2018 3:49:28 PM
File: _2018-03-09_

Last save: 3/12/2018 10:46:26 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61322

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: 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	5.81	0.474	1.46	0.40	52.295	0.62	0.
2	9.00	0.370	311.26	85.97	7223.343	85.70	0.
3	10.46	0.293	2.22	0.61	44.536	0.53	0.
4	13.53	0.218	4.68	1.29	68.402	0.81	0.
5	15.28	0.252	20.46	5.65	357.677	4.24	0.
6	21.84	0.520	3.70	1.02	155.745	1.85	0.
7	25.23	0.427	18.22	5.03	526.160	6.24	0.
7	29.00	0.365	362.01	99.98	8428.158	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:47:10 AM
Printed by: wet

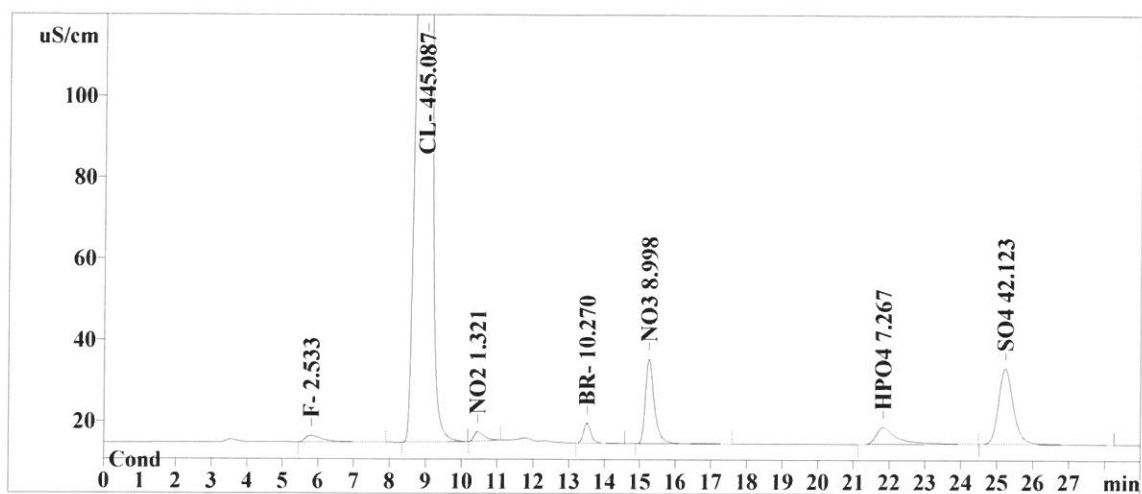
Ident: J1839-04MSD
Analysis from: 3/9/2018 4:21:21 PM
File: _2018-03-09_

Last save: 3/12/2018 10:47:08 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61323

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: AK/AP
Vial number: 12
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	5.81	0.473	1.59	0.44	55.069	0.65	0.
2	8.99	0.368	311.52	85.62	7180.609	85.19	0.
3	10.46	0.291	2.31	0.64	45.204	0.54	0.
4	13.51	0.217	4.90	1.35	71.388	0.85	0.
5	15.25	0.254	20.69	5.69	363.667	4.31	0.
6	21.82	0.525	4.18	1.15	177.266	2.10	0.
7	25.23	0.427	18.61	5.12	535.667	6.36	0.
7	29.00	0.365	363.81	99.99	8428.870	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:48:10 AM
Printed by: wet

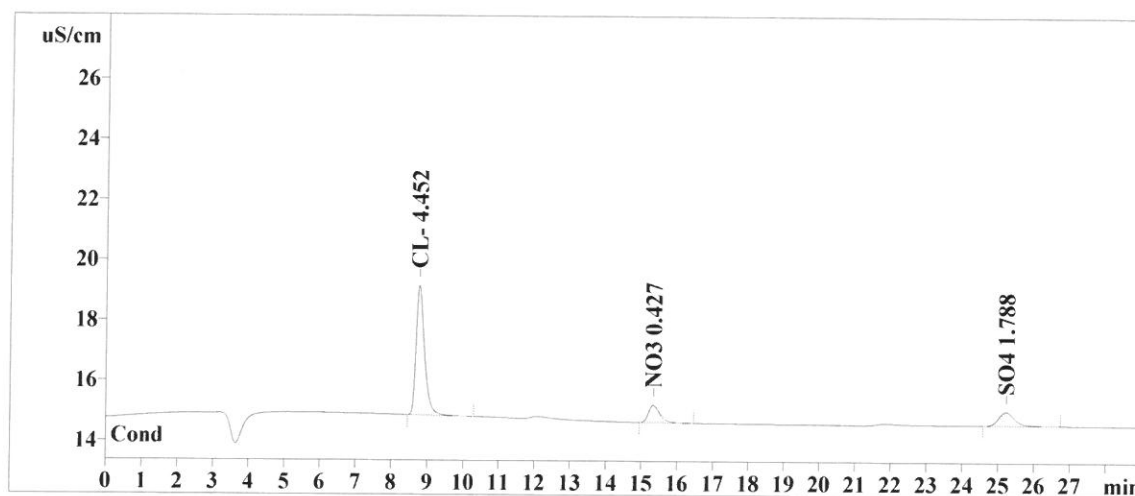
Ident: J1839-01DLX50
Analysis from: 3/9/2018 4:53:15 PM
File: _2018-03-09_

Last save: 3/12/2018 10:48:06 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61324

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: AK/AP
Vial number: 13
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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.76	0.243	4.29	80.52	70.557	72.16	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.33	0.331	0.58	10.82	12.780	13.07	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.22	0.461	0.46	8.65	14.436	14.76	0.
7	29.00	0.148	5.32	99.99	97.773	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:48:37 AM
Printed by: wet

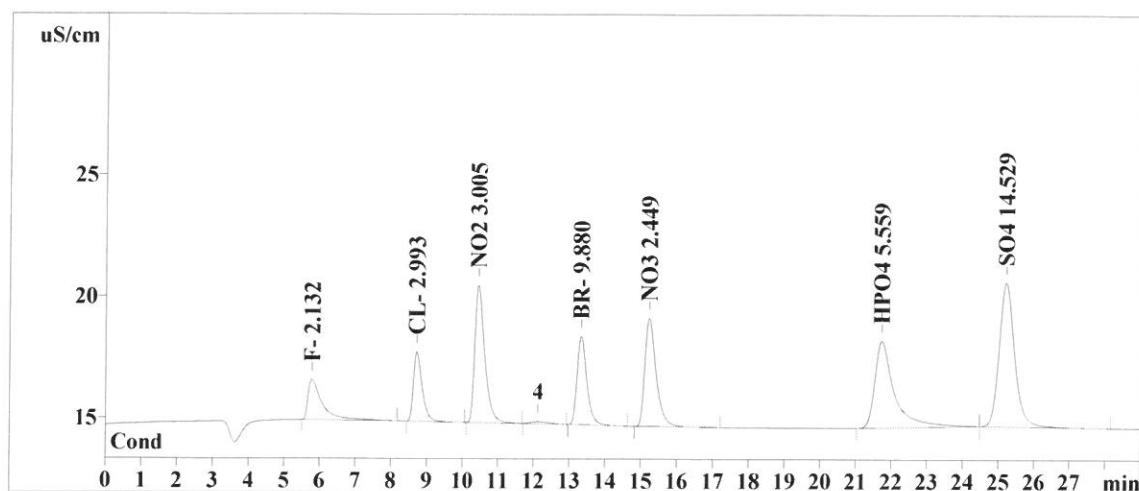
Ident: CCV
Analysis from: 3/9/2018 5:25:09 PM
File: _2018-03-09_

Last save: 3/9/2018 6:53:58 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61325

Last save: 3/6/2018 11:43:22 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.79	0.353	1.65	5.95	46.043	6.72	0.
2	8.72	0.244	2.84	10.23	47.007	6.86	0.
3	10.44	0.284	5.65	20.33	108.817	15.87	0.
4	13.33	0.282	3.62	13.04	68.564	10.00	0.
5	15.22	0.315	4.45	16.01	95.560	13.94	0.
6	21.73	0.493	3.57	12.83	137.238	20.02	0.
7	25.21	0.448	5.91	21.27	179.085	26.12	0.
7	29.00	0.345	27.70	99.65	682.313	99.53	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 10:49:00 AM
Printed by: wet

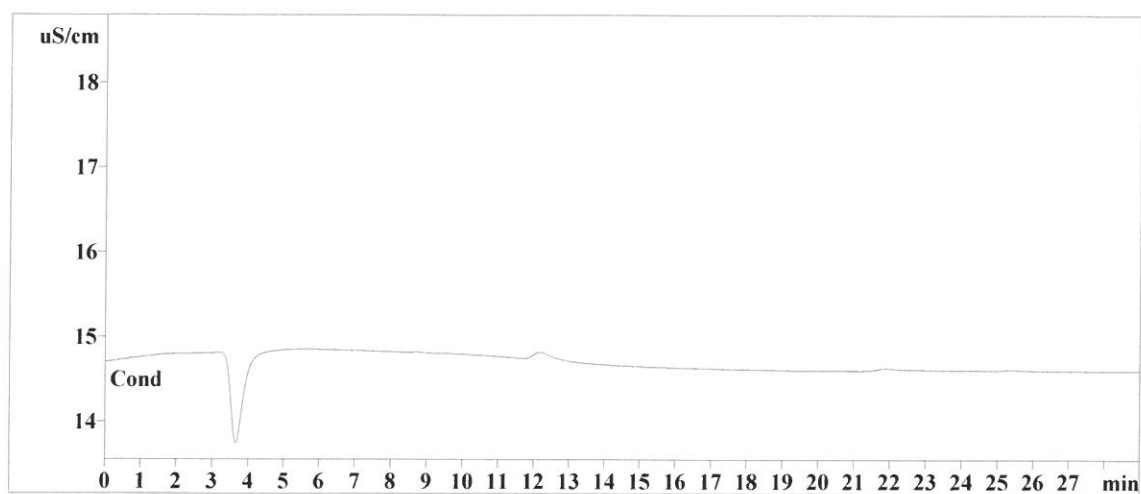
Ident: CCB
Analysis from: 3/9/2018 5:57:03 PM
File: _2018-03-09_

Last save: 3/12/2018 10:49:00 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61326

Last save: 3/6/2018 11:43:22 AM

SAMPLE:
: AK/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: 3/12/2018 10:52:40 AM
Printed by: wet

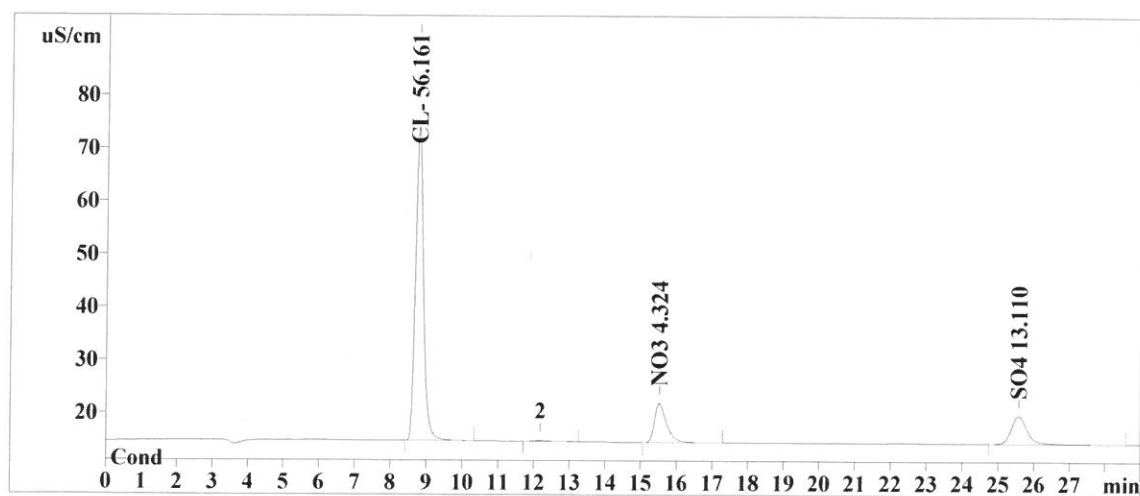
Ident: J1839-01^{DLX5}
Analysis from: 3/9/2018 6:28:57 PM
File: _2018-03-09_

Last save: 3/12/2018 10:52:28 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61327

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.76	0.228	59.15	82.30	904.933	72.83	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.51	0.343	7.37	10.26	172.349	13.87	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.57	0.451	5.23	7.27	160.743	12.94	0.
7	29.00	0.146	71.75	99.83	1238.024	99.64	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 11:00:04 AM
Printed by: wet

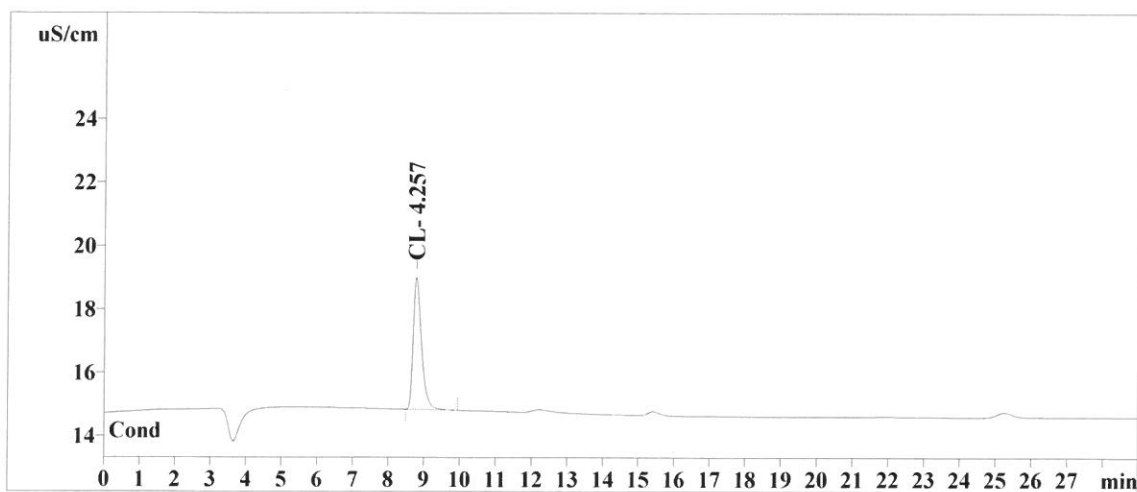
Ident: J1839-02DLX20
Analysis from: 3/9/2018 7:00:52 PM
File: _2018-03-09_

Last save: 3/12/2018 10:59:50 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61328

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: AK/AP
Vial number: 15
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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.78	0.239	4.17	99.99	67.410	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	29.00	0.034	4.17	99.99	67.410	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 11:01:04 AM
Printed by: wet

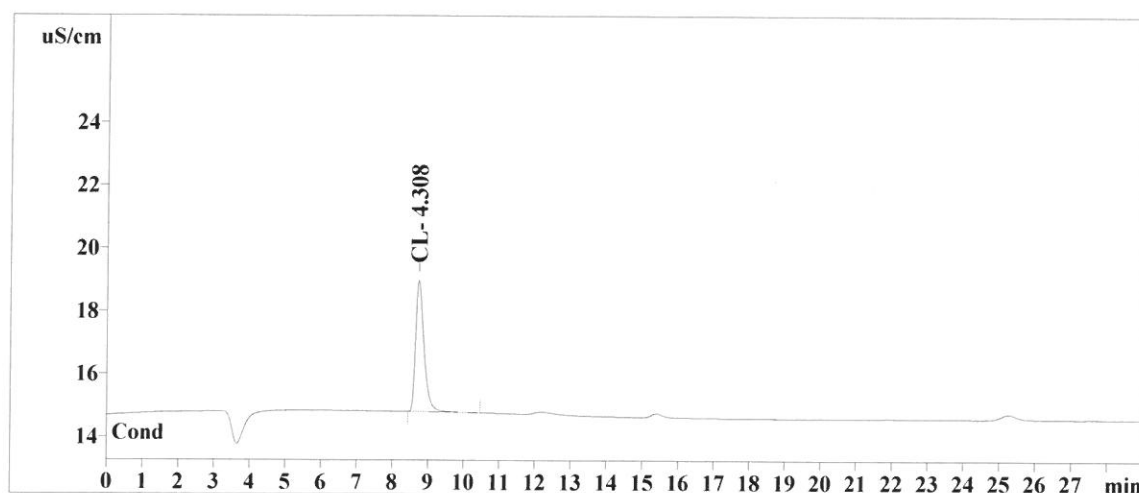
Ident: J1839-03DLX20
Analysis from: 3/9/2018 7:32:46 PM
File: _2018-03-09_

Last save: 3/12/2018 11:01:02 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61329

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.73	0.240	4.18	99.98	68.235	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	29.00	0.034	4.18	99.98	68.235	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 11:03:04 AM
 Printed by: wet

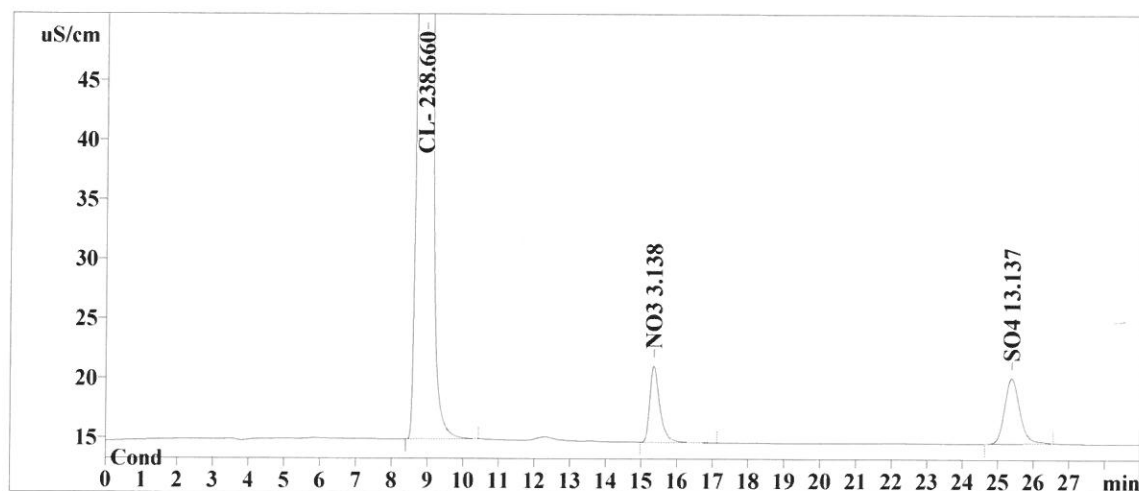
Ident: J1839-04DLX2
 Analysis from: 3/9/2018 8:04:40 PM
 File: _2018-03-09_

Last save: 3/12/2018 11:02:56 AM

Method: ANIONS 02-19-18.mtw
 Run operator: wet
 Analysis number: 61330

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
 : 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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.91	0.280	212.71	94.70	3849.713	93.11	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	15.34	0.281	6.39	2.85	123.768	2.99	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.38	0.435	5.49	2.44	161.095	3.90	0.
7	29.00	0.142	224.58	99.98	4134.577	100.00	0.

This report has been created by IC Net
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Report date: 3/12/2018 11:04:01 AM
Printed by: wet

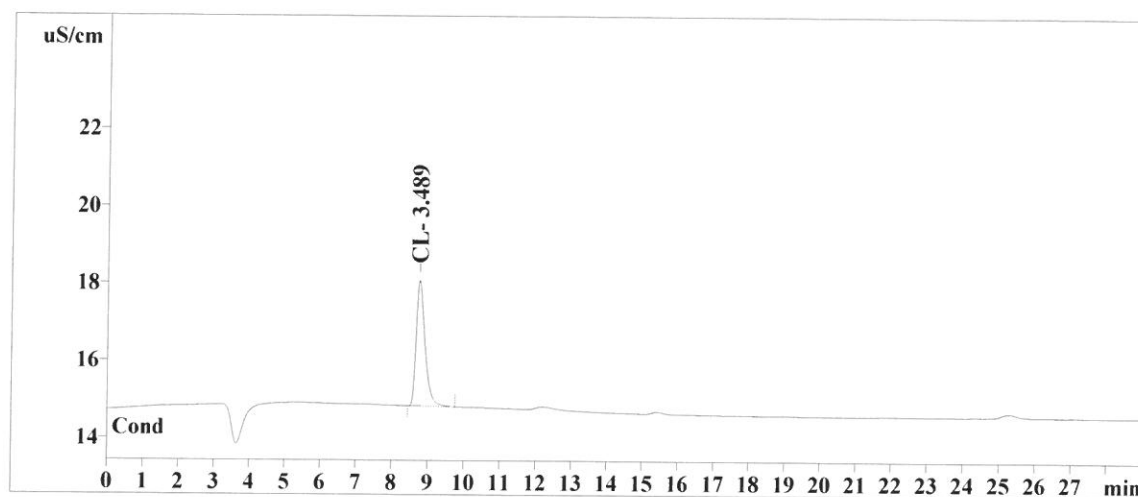
Ident: J1839-04DLX100
Analysis from: 3/9/2018 8:36:34 PM
File: _2018-03-09_

Last save: 3/12/2018 11:04:00 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61331

Last save: 3/6/2018 11:43:22 AM

SAMPLE: 5.01g
: AK/AP
Vial number: 18
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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.76	0.251	3.25	100.00	55.009	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	29.00	0.036	3.25	100.00	55.009	100.00	0.

This report has been created by IC Net
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Report date: 3/12/2018 11:04:13 AM
Printed by: wet

Ident: CCV
Analysis from: 3/9/2018 9:08:28 PM
File: _2018-03-09_

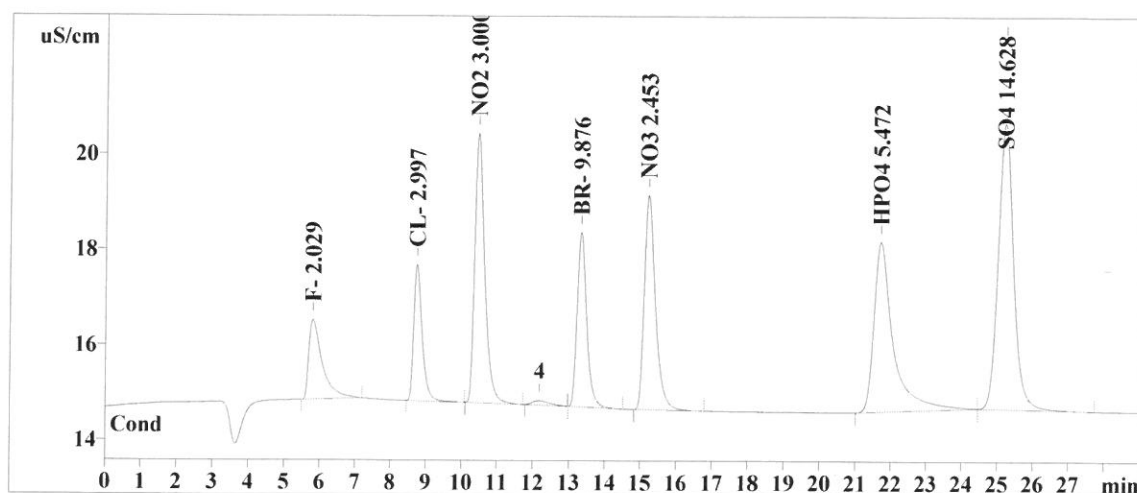
Last save: 3/9/2018 10:37:16 PM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61332

Last save: 3/6/2018 11:43:22 AM

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 uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.81	0.361	1.67	5.96	43.714	6.41	0.
2	8.73	0.244	2.85	10.22	47.076	6.90	0.
3	10.45	0.283	5.64	20.19	108.615	15.92	0.
4	13.33	0.280	3.65	13.07	68.535	10.04	0.
5	15.21	0.313	4.49	16.07	95.729	14.03	0.
6	21.70	0.487	3.55	12.71	135.200	19.81	0.
7	25.20	0.447	5.99	21.43	180.365	26.43	0.
7	29.00	0.345	27.84	99.65	679.234	99.54	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/12/2018 11:04:38 AM
Printed by: wet

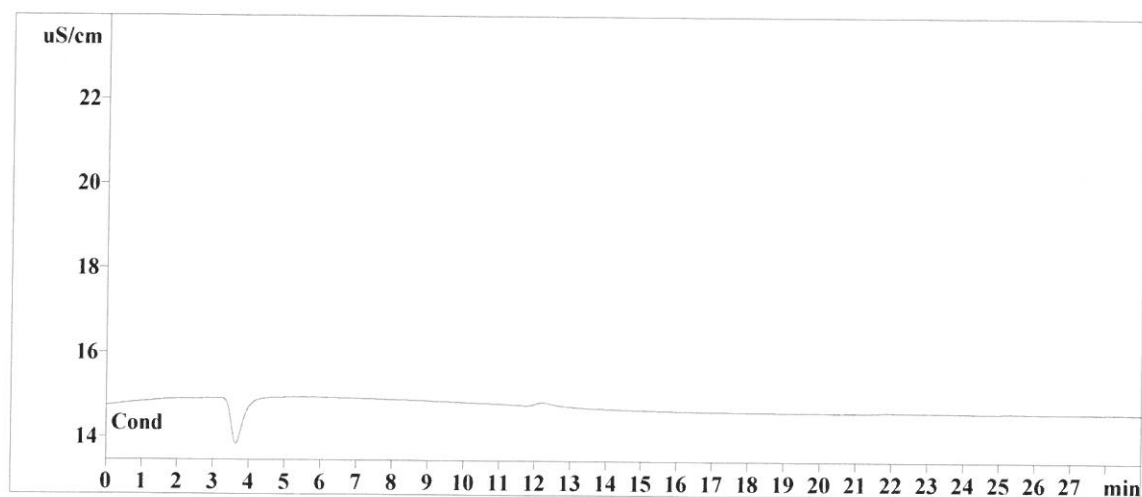
Ident: CCB
Analysis from: 3/9/2018 9:40:22 PM
File: _2018-03-09_

Last save: 3/12/2018 11:04:36 AM

Method: ANIONS 02-19-18.mtw
Run operator: wet
Analysis number: 61333

Last save: 3/6/2018 11:43:22 AM

SAMPLE:
: AK/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

LB 93789

WORKLIST(Hardcopy Internal Chain)

WorkList Name : anions030918 WorkList ID : 109428 Date : 3/9/2018 10:15:43 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/08/2018	Water	J1839-01	Anions Group1	Cool 4 deg C	LOCK01	H62	MW-1	03/06/2018	300.0
03/08/2018	Water	J1839-02	Anions Group1	Cool 4 deg C	LOCK01	H62	MW-3	03/06/2018	300.0
03/08/2018	Water	J1839-03	Anions Group1	Cool 4 deg C	LOCK01	H62	MW-4	03/06/2018	300.0
03/08/2018	Water	J1839-04	Anions Group1	Cool 4 deg C	LOCK01	H62	MW-2	03/06/2018	300.0

Date/Time 3-9-18 12:00
Received by: AK
Relinquished by: GP

Date/Time 3-9-18 12:45
Received by: GP
Relinquished by: AK