

088206

M9056

IC-1

6-21-17 AK

Clear table

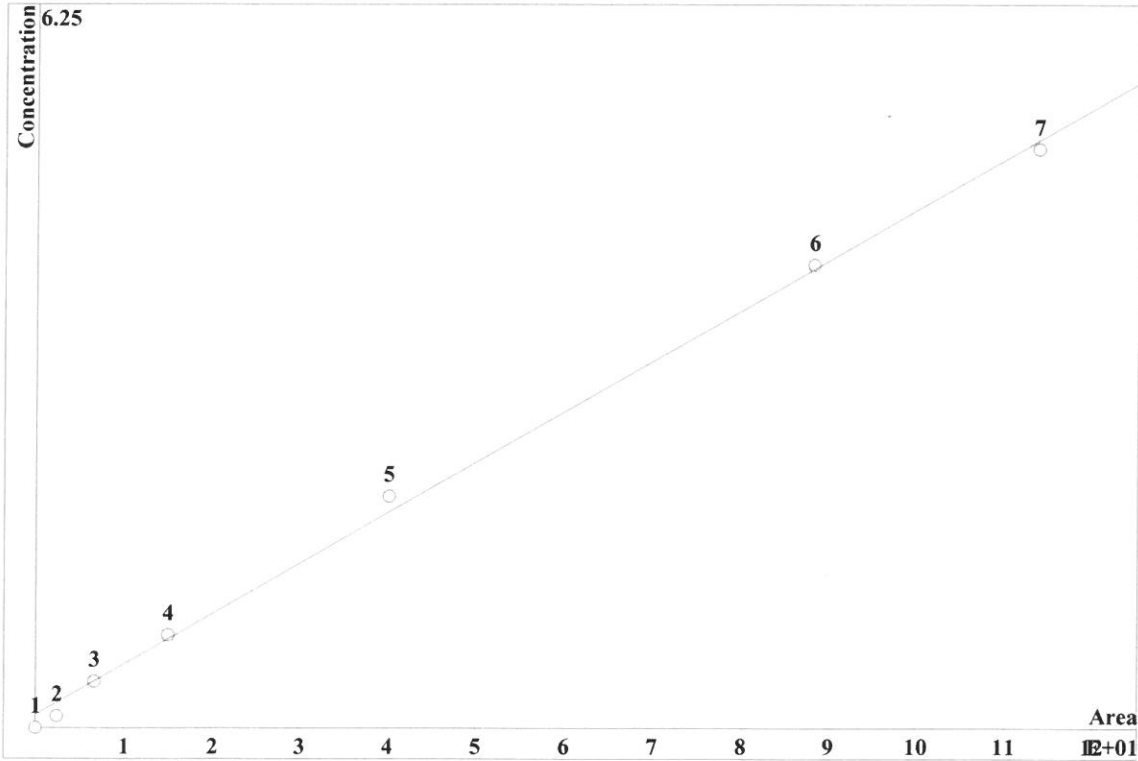
ident	concentrati on F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-06-12_	6/12/17 11:03
STD2	0.2210	0.2020	0.2240	0.6590	0.1900	0.2110	1.2090	_2017-06-12_	6/12/17 11:32
STD3	0.4040	0.6120	0.6190	2.0790	0.5280	1.0010	3.1940	_2017-06-12_	6/12/17 12:01
STD4	0.7680	1.1490	1.1370	3.8090	0.9420	2.0360	5.6490	_2017-06-12_	6/12/17 12:29
STD5	1.8660	2.9940	2.9660	9.9910	2.4430	5.1410	14.5970	_2017-06-12_	6/12/17 12:58
STD6	3.9630	5.9300	5.9310	19.7270	4.9790	9.6770	29.6570	_2017-06-12_	6/12/17 13:27
STD7	5.0770	7.5630	7.5730	25.2350	6.2940	12.6840	37.9440	_2017-06-12_	6/12/17 13:56
ICV	2.1210	2.9490	2.9210	9.8130	2.4090	5.1430	14.5020	_2017-06-12_	6/12/17 16:02
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-06-12_	6/12/17 16:31
CCV	2.1110	2.9340	2.9080	9.9010	2.4010	6.1380	14.7220	_2017-06-12_	6/19/17 15:10
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-06-19_	6/19/17 15:39
LB88206BLS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-06-19_	6/19/17 16:08
LB88206BSS	2.1390	3.0050	2.9870	9.8470	2.4150	6.0540	14.7390	_2017-06-19_	6/19/17 16:37
I3774-01	0.3640	63.6140	0.0000	24.0940	2.4380	0.0000	2.8510	_2017-06-19_	6/19/17 17:06
I3774-02	0.0000	371.0920	0.0000	48.8290	2.6810	0.0000	3.8160	_2017-06-19_	6/19/17 17:36
I3774-03	0.0000	9.6580	0.0000	0.0000	4.3320	0.0000	102.0350	_2017-06-19_	6/19/17 18:05
I3774-01DUP	0.0000	63.9780	0.0000	24.3220	2.4220	0.0000	0.0000	_2017-06-19_	6/19/17 18:34
I3774-01MS	0.3230	61.3240	0.0000	22.4240	4.8500	0.0000	19.0850	_2017-06-19_	6/19/17 19:02
I3774-01MSD	0.0000	61.1050	0.0000	22.4040	4.8400	0.0000	18.0800	_2017-06-19_	6/19/17 19:31
CCV	1.9410	2.9990	3.0330	9.8680	2.4520	5.3400	14.9430	_2017-06-19_	6/19/17 20:58
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-06-19_	6/19/17 21:27
I3774-01DLX10	0.0000	6.3310	0.0000	2.2490	0.3440	0.0000	1.0150	_2017-06-19_	6/19/17 23:52
I3774-02DLX50	0.0000	5.6730	0.0000	0.9130	0.1680	0.0000	0.0000	_2017-06-20_	6/20/17 0:21
I3774-03DLX2	0.0000	4.7010	0.0000	0.0000	2.1460	0.0000	47.6030	_2017-06-20_	6/20/17 0:49
CCV	1.9400	2.9810	2.9620	9.9500	2.4400	5.8010	15.0040	_2017-06-20_	6/20/17 1:18
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-06-20_	6/20/17 1:47

IC-1

6-12-17 AK

CALIBRATION OF COMPONENT F-

Method: ANIONS 06-12-17.mtw
Equation: $Q = 0.872097 \cdot A + 2.29619$
RSD: 4.929 %
Correlation coefficient: 0.999008

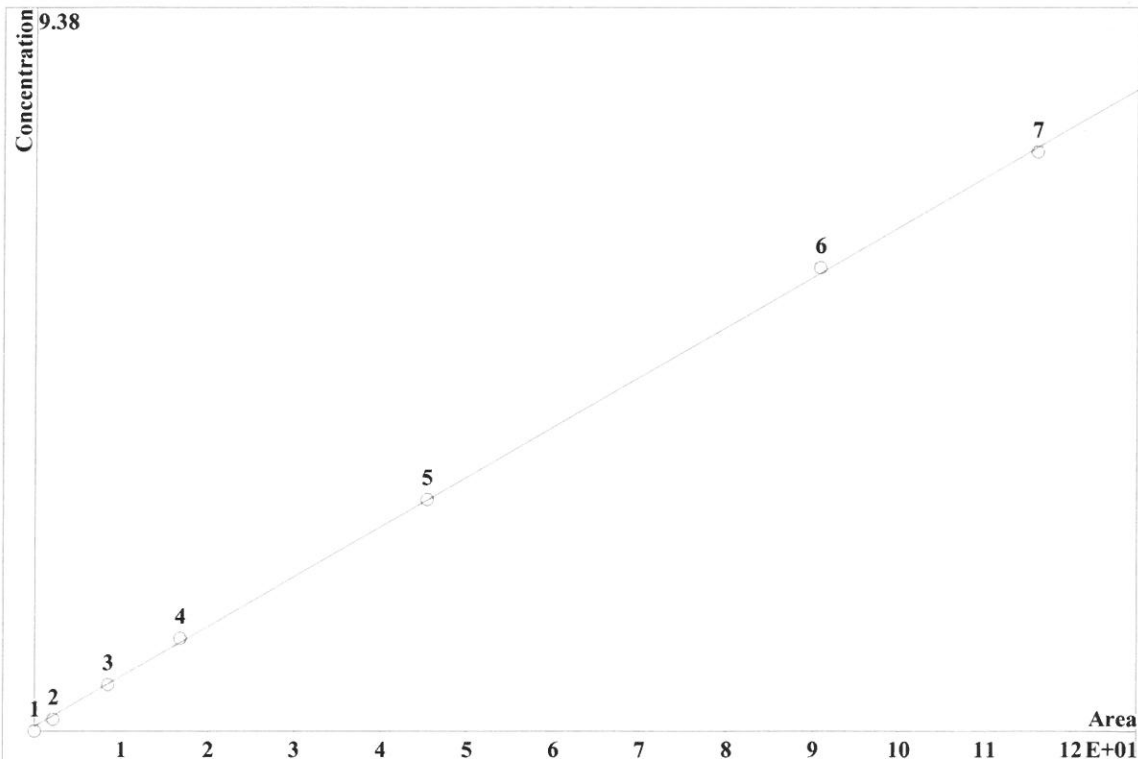


K3 = 0 K2 = 0 K1 = 0.872097 K0 = 2.29619
Base: Area
Ref.channel: Cond
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.07379	2.432	0.1	0.1	20	Yes	5.749	Yes
3	0.3086	6.637	0.4	0.4	20	Yes	5.72	Yes
4	0.6516	14.99	0.8	0.8	20	Yes	5.72	Yes
5	1.921	40.17	2	2	20	Yes	5.72	Yes
6	4.06	88.25	4	4	20	Yes	5.72	Yes
7	5.304	113.8	5	5	20	Yes	5.72	Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 06-12-17.mtw
 Equation: $Q = 1.29292 \cdot A + 1.25546$
 RSD: 1.942 %
 Correlation coefficient: 0.999846

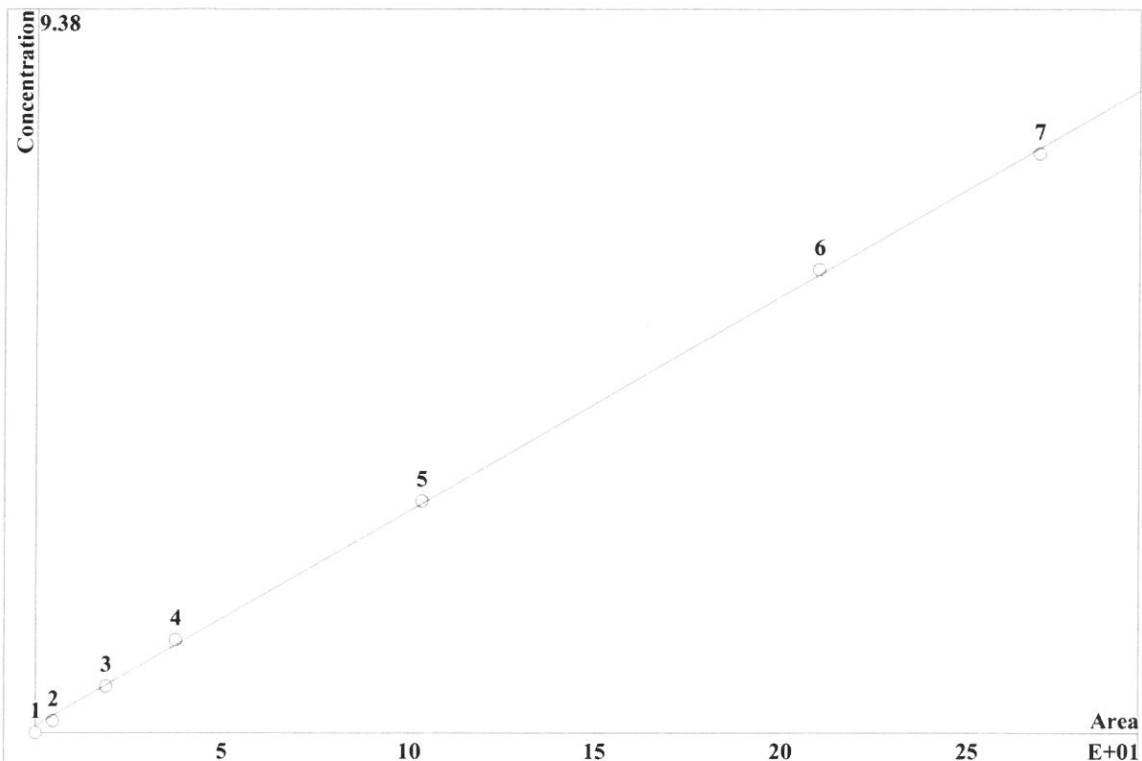


K3 = 0 K2 = 0 K1 = 1.29292 K0 = 1.25546
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.107	2.154	0.15	20	8.479	Yes	8.411	Yes
3	0.4317	8.493	0.6	20	8.411	Yes	8.411	Yes
4	0.8403	16.81	1.2	20	8.411	Yes	8.411	Yes
5	2.308	45.35	3	20	8.411	Yes	8.411	Yes
6	4.698	90.76	6	20	8.411	Yes	8.411	Yes
7	6.047	116	7.5	20	8.411	Yes	8.411	Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 06-12-17.mtw
 Equation: $Q = 0.55604 \cdot A + 1.84345$
 RSD: 2.353 %
 Correlation coefficient: 0.999774



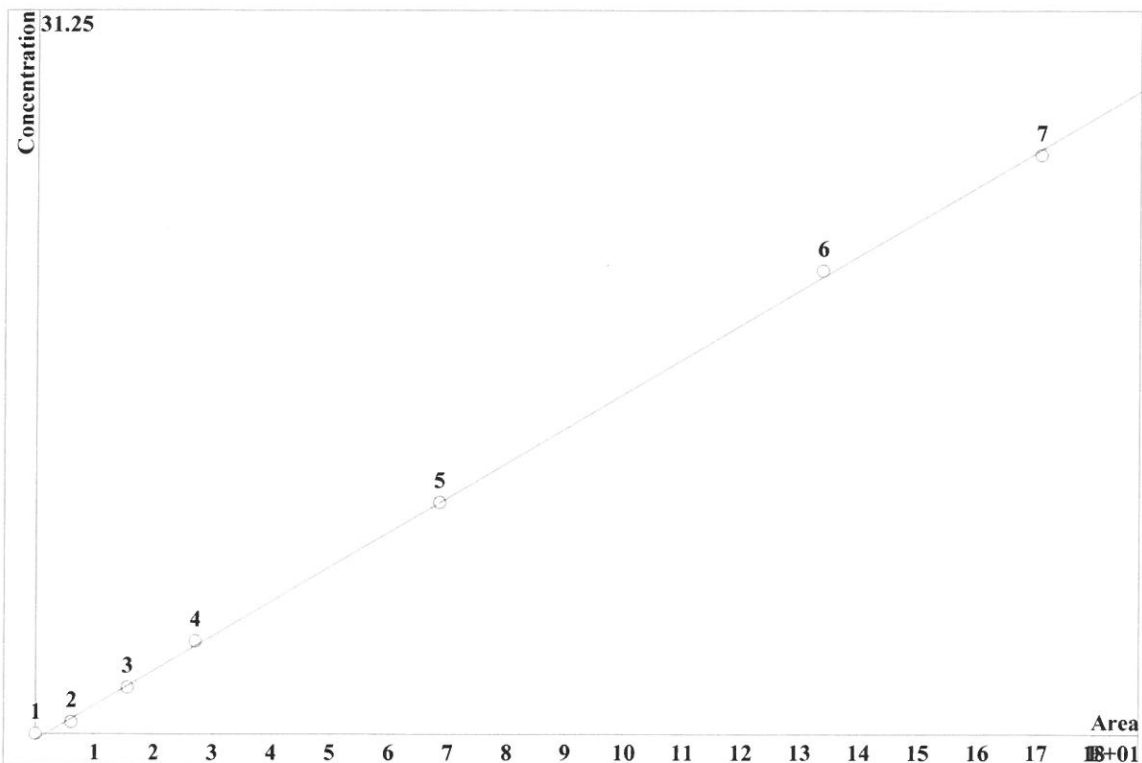
K3 = 0 K2 = 0 K1 = 0.55604 K0 = 1.84345
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.206	4.726	4.726	0.15	20		10.05	Yes
3	0.8694	18.94	18.94	0.6	20		9.95	Yes
4	1.714	37.59	37.59	1.2	20		9.95	Yes
5	4.807	103.4	103.4	3	20		9.95	Yes
6	9.825	210	210	6	20		9.95	Yes
7	12.74	269.1	269.1	7.5	20		9.95	Yes

±:;\$

CALIBRATION OF COMPONENT BR-

Method: ANIONS 06-12-17.mtw
 Equation: $Q = 2.98803 \cdot A - 4.99399$
 RSD: 2.169 %
 Correlation coefficient: 0.999808

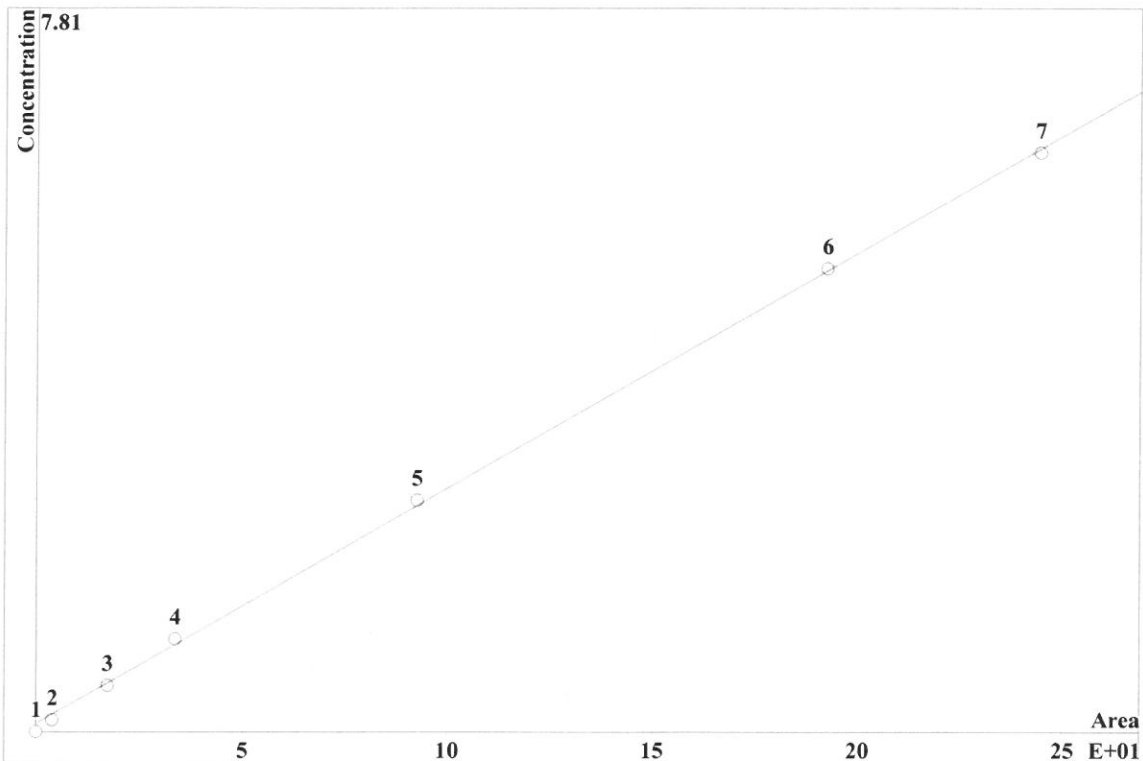


K3 = 0 K2 = 0 K1 = 2.98803 K0 = -4.99399
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.163	6.08	0.5	20	13.31		Yes
3	0.4147	15.59	2	20	12.61		Yes
4	0.701	27.17	4	20	12.61		Yes
5	1.621	68.54	10	20	12.61		Yes
6	2.859	133.7	20	20	12.61		Yes
7	3.451	170.6	25	20	12.61		Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 06-12-17.mtw
 Equation: $Q = 0.507918 \cdot A + 1.79143$
 RSD: 2.315 %
 Correlation coefficient: 0.999781



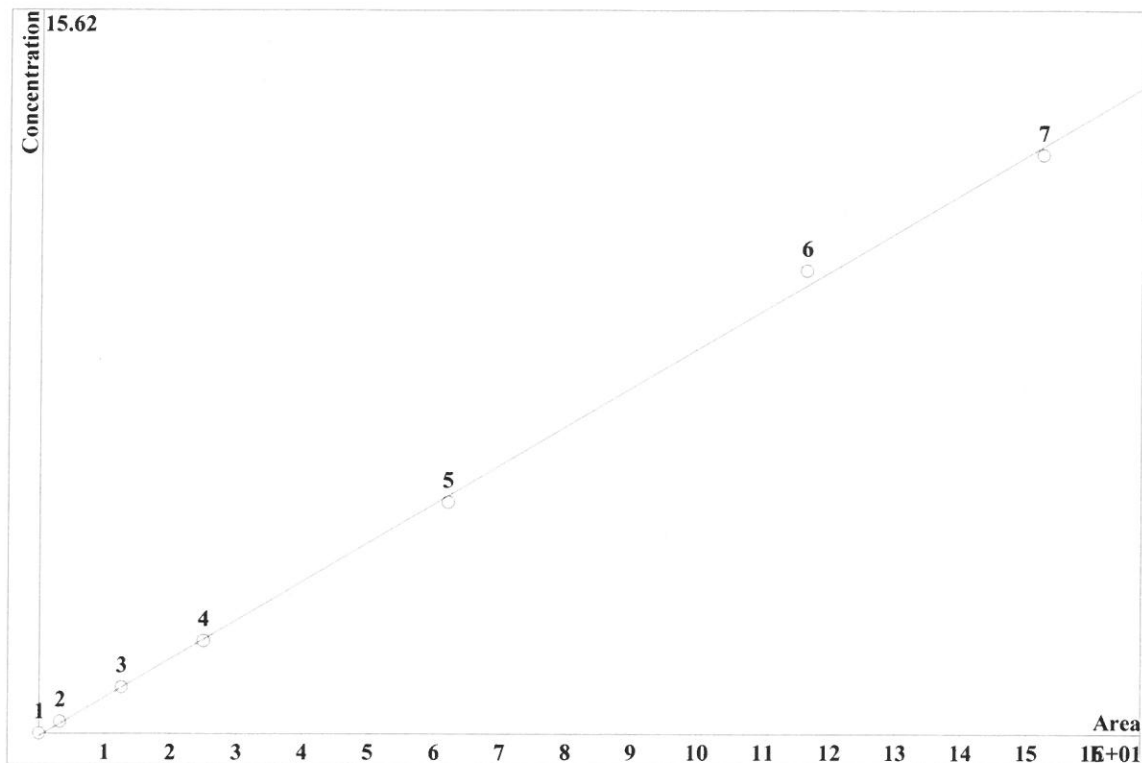
K3 = 0 K2 = 0 K1 = 0.507918 K0 = 1.79143
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.1491	3.965	0.125	0.125	20		14.38	Yes
3	0.6394	17.27	0.5	0.5	20		14.11	Yes
4	1.246	33.56	1	1	20		14.11	Yes
5	3.469	92.65	2.5	2.5	20		14.11	Yes
6	7.122	192.5	5	5	20		14.11	Yes
7	9.177	244.3	6.25	6.25	20		14.11	Yes

±:;\$

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 06-12-17.mtw
 Equation: $Q = 1.67333 \cdot A - 1.10242$
 RSD: 3.912 %
 Correlation coefficient: 0.999375

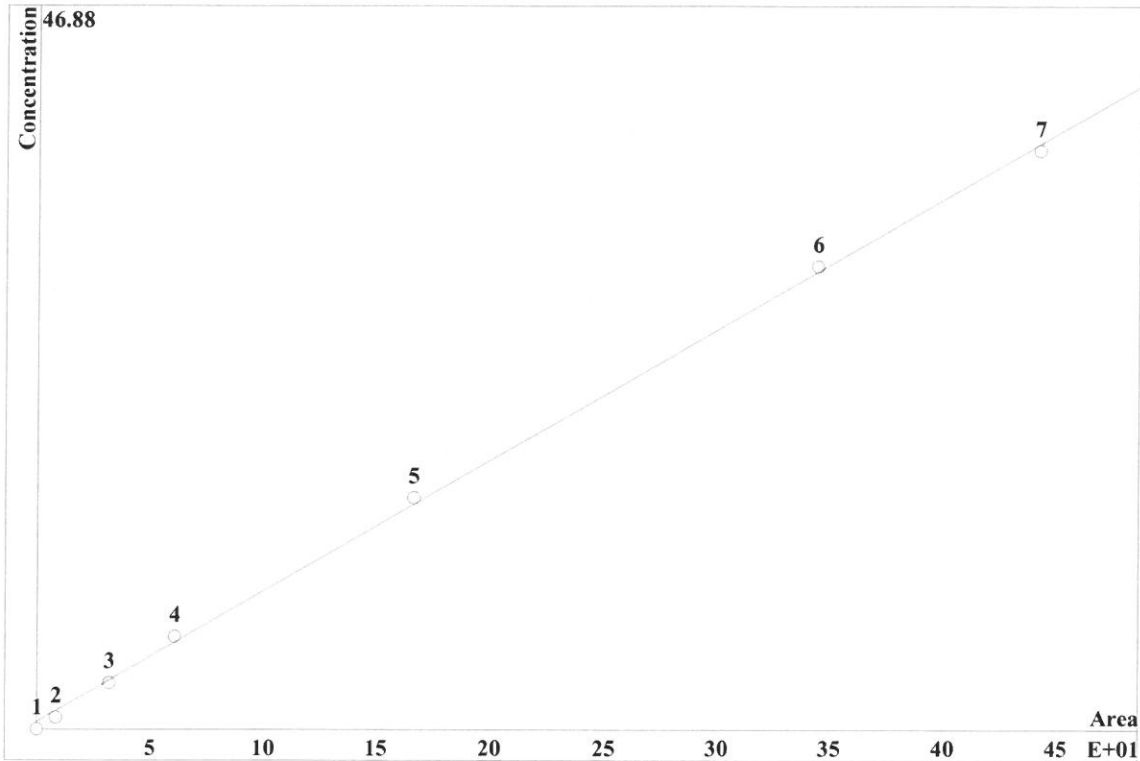


K3 = 0 K2 = 0 K1 = 1.67333 K0 = -1.10242
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0		0	No
2	0.05102	3.183	0.25	1	20		20.62	Yes
3	0.2093	12.62	1	2	20		20.8	Yes
4	0.4198	24.99	2	5	20		20.8	Yes
5	1.095	62.11	5	10	20		20.8	Yes
6	2.121	116.3	10	12.5	20		20.8	Yes
7	2.831	152.3	12.5		20		20.8	Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 06-12-17.mtw
 Equation: $Q = 1.69392 \cdot A + 9.88188$
 RSD: 2.996 %
 Correlation coefficient: 0.999634



K3 = 0 K2 = 0 K1 = 1.69392 K0 = 9.88188
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1		0	0		0		0	No
2	0.1891	8.441		0.75	20		23.2	Yes
3	0.7303	31.87		3	20		23.28	Yes
4	1.401	60.87		6	20		23.28	Yes
5	3.888	166.5		15	20		23.28	Yes
6	8.136	344.3		30	20		23.28	Yes
7	10.55	442.2		37.5	20		23.28	Yes

Report date: 6/12/2017 4:50:16 PM
Printed by: wet

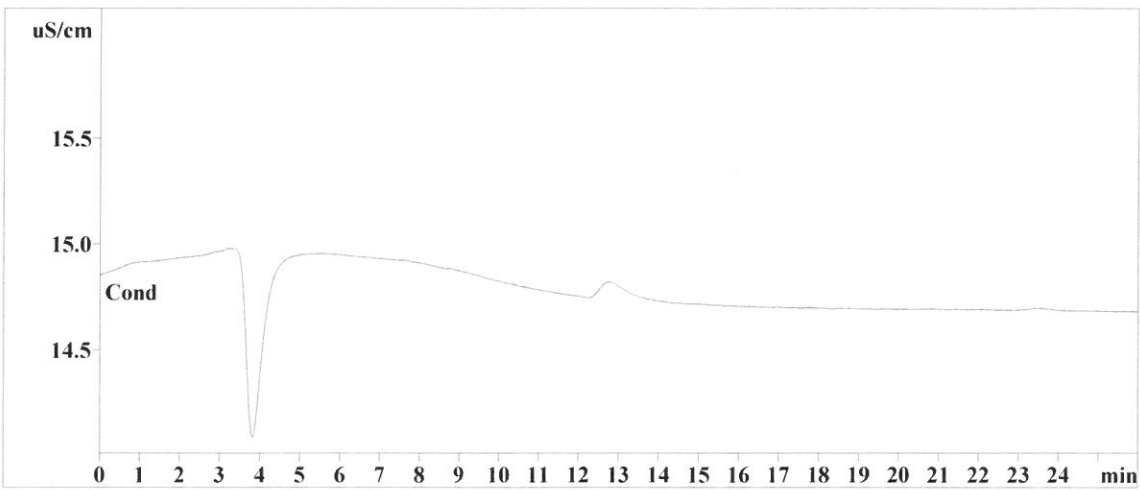
Ident: STD1
Analysis from: 6/12/2017 11:03:13 AM
File: _2017-06-12_

Last save: 6/12/2017 2:28:24 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57867

Last save: 6/12/2017 10:37:08 AM

SAMPLE:
: AP/AK
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: 6/12/2017 4:50:30 PM
Printed by: wet

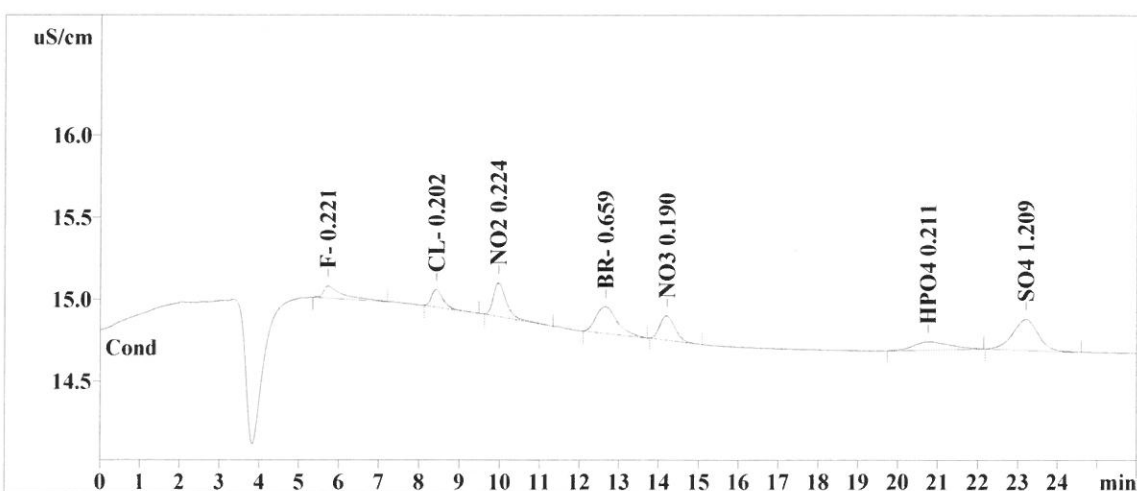
Ident: STD2
Analysis from: 6/12/2017 11:32:08 AM
File: _2017-06-12_

Last save: 6/12/2017 2:28:24 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57868

Last save: 6/12/2017 10:37:08 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	5.73	0.402	0.07	7.80	2.432	7.85	0.
2	8.42	0.297	0.11	11.34	2.154	6.95	0.
3	9.97	0.326	0.21	21.87	4.726	15.25	0.
4	12.65	0.560	0.16	17.28	6.080	19.63	0.
5	14.19	0.411	0.15	15.80	3.965	12.80	0.
6	20.76	0.995	0.05	5.37	3.183	10.27	0.
7	23.20	0.676	0.19	20.09	8.441	27.25	0.
7	26.00	0.524	0.93	99.56	30.981	100.00	0.

This report has been created by IC Net
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Report date: 6/12/2017 4:50:37 PM
Printed by: wet

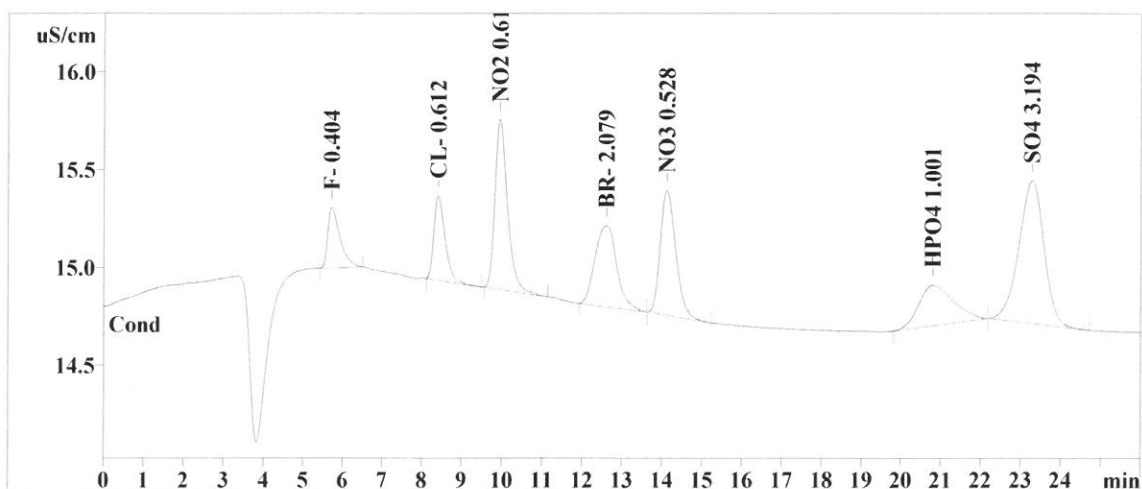
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Analysis from: 6/12/2017 12:01:04 PM
File: _2017-06-12_

Last save: 6/12/2017 2:28:24 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57869

Last save: 6/12/2017 10:37:08 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	0.318	0.31	8.56	6.637	5.96	0.
2	8.41	0.295	0.43	11.96	8.493	7.62	0.
3	9.95	0.321	0.87	24.12	18.944	17.00	0.
4	12.61	0.582	0.41	11.49	15.586	13.99	0.
5	14.11	0.413	0.64	17.73	17.265	15.50	0.
6	20.80	0.942	0.21	5.79	12.622	11.33	0.
7	23.28	0.665	0.73	20.25	31.872	28.61	0.
7	26.00	0.505	3.60	99.90	111.418	100.00	0.

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Report date: 6/12/2017 4:50:45 PM
Printed by: wet

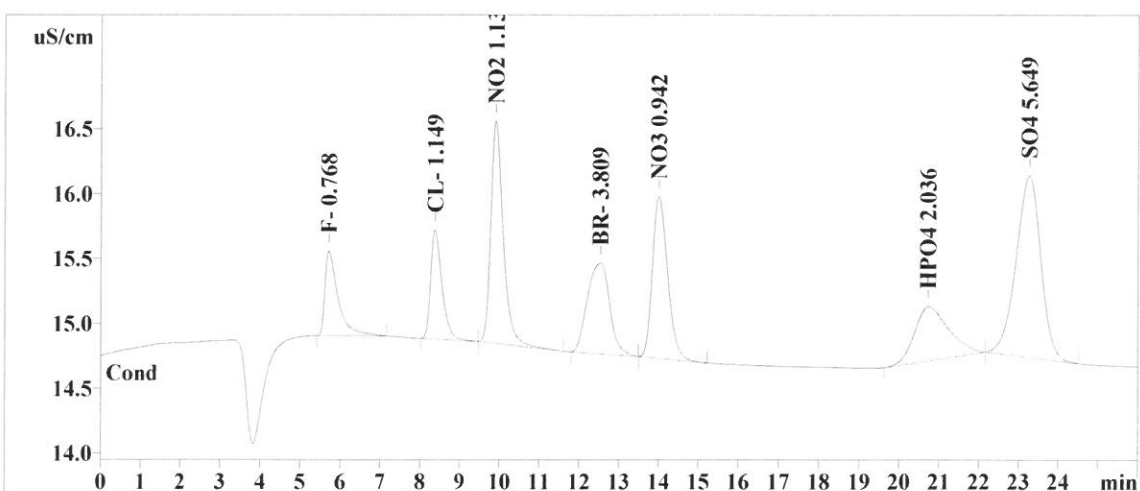
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Analysis from: 6/12/2017 12:29:59 PM
File: _2017-06-12_

Last save: 6/12/2017 2:28:26 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57870

Last save: 6/12/2017 10:37:08 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	0.317	0.65	9.34	14.989	6.94	0.
2	8.38	0.297	0.84	12.05	16.809	7.78	0.
3	9.90	0.319	1.71	24.58	37.595	17.41	0.
4	12.53	0.615	0.70	10.04	27.169	12.58	0.
5	13.99	0.412	1.25	17.87	33.565	15.54	0.
6	20.72	0.914	0.42	6.01	24.991	11.57	0.
7	23.26	0.662	1.40	20.08	60.865	28.18	0.
7	26.00	0.505	6.97	99.96	215.982	100.00	0.

This report has been created by IC Net
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Report date: 6/12/2017 4:50:50 PM
Printed by: wet

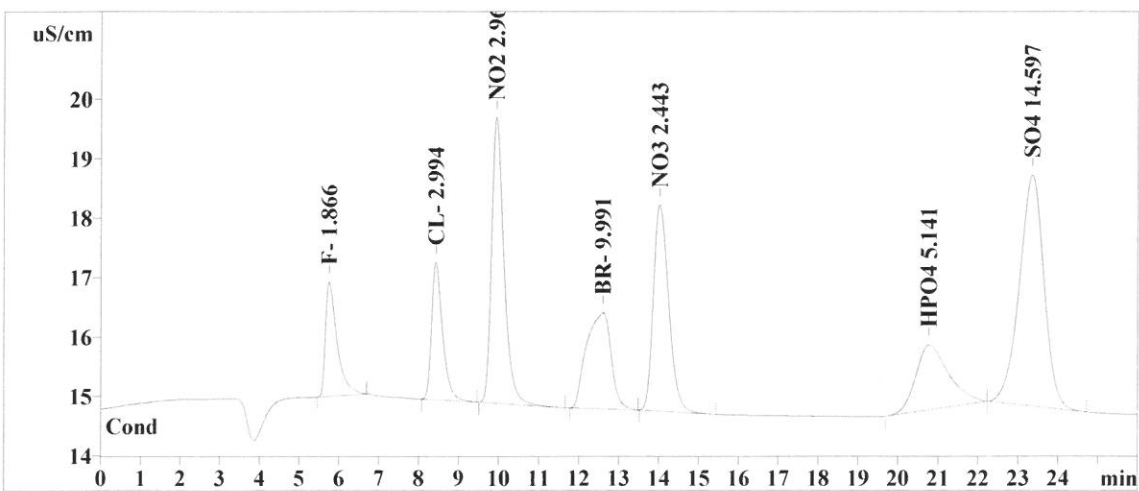
Ident: STD5
Analysis from: 6/12/2017 12:58:55 PM
File: _2017-06-12_

Last save: 6/12/2017 2:28:26 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57871

Last save: 6/12/2017 10:37:08 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	5.75	0.304	1.92	10.05	40.169	6.94	0.
2	8.43	0.292	2.31	12.08	45.346	7.84	0.
3	9.94	0.316	4.81	25.15	103.381	17.86	0.
4	12.61	0.711	1.62	8.48	68.545	11.84	0.
5	14.02	0.408	3.47	18.16	92.652	16.01	0.
6	20.77	0.855	1.09	5.73	62.106	10.73	0.
7	23.35	0.651	3.89	20.35	166.507	28.77	0.
7	26.00	0.505	19.11	99.99	578.706	100.00	0.

This report has been created by IC Net
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Report date: 6/12/2017 4:50:56 PM
Printed by: wet

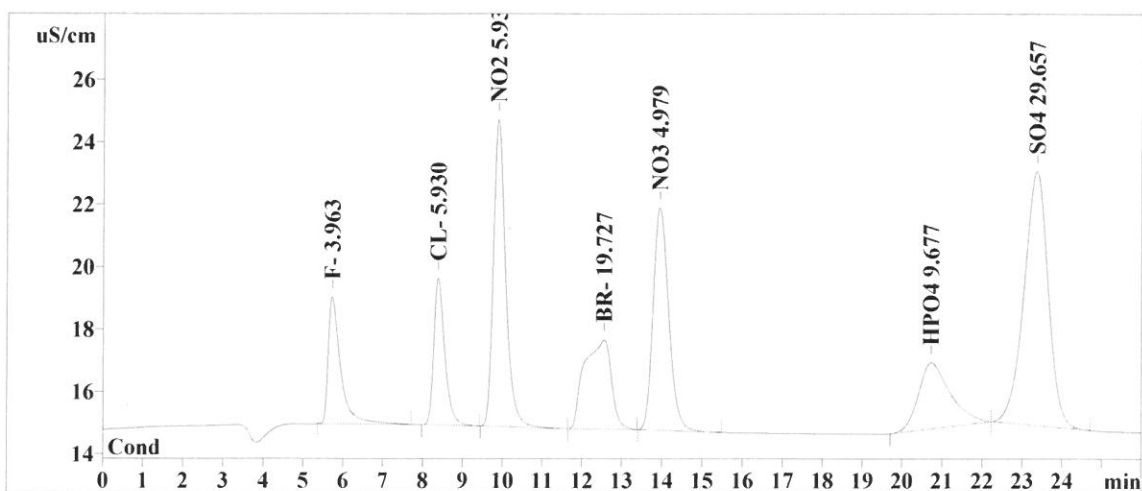
Ident: STD6
Analysis from: 6/12/2017 1:27:50 PM
File: _2017-06-12_

Last save: 6/12/2017 2:28:26 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57872

Last save: 6/12/2017 10:37:08 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	5.73	0.299	4.06	10.46	88.247	7.50	0.
2	8.38	0.286	4.70	12.10	90.759	7.72	0.
3	9.89	0.314	9.82	25.31	210.007	17.86	0.
4	12.55	0.824	2.86	7.36	133.711	11.37	0.
5	13.94	0.413	7.12	18.35	192.511	16.37	0.
6	20.72	0.815	2.12	5.46	116.322	9.89	0.
7	23.35	0.641	8.14	20.96	344.329	29.28	0.
7	26.00	0.513	38.82	99.99	1175.886	100.00	0.

This report has been created by IC Net
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Report date: 6/12/2017 4:51:02 PM
Printed by: wet

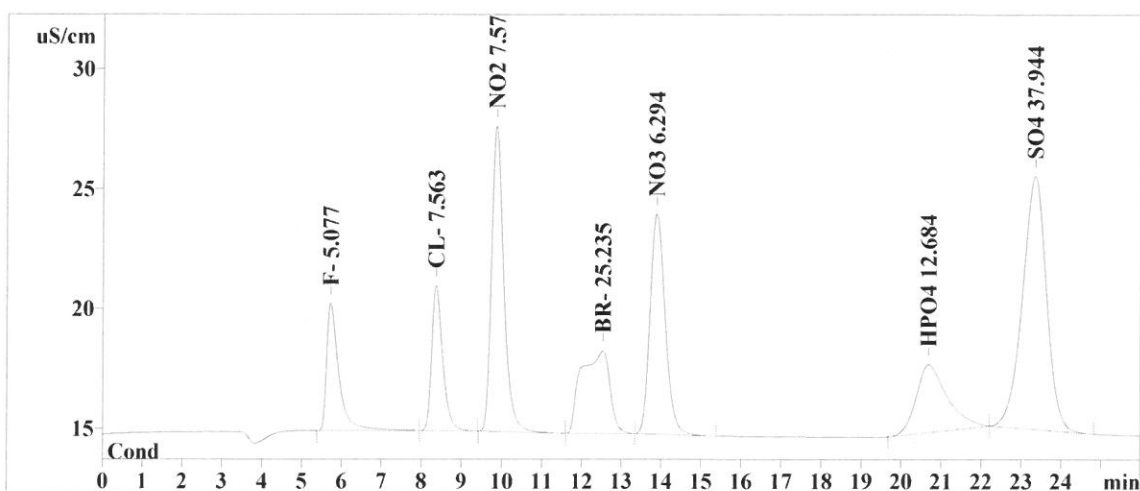
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Analysis from: 6/12/2017 1:56:46 PM
File: _2017-06-12_

Last save: 6/12/2017 2:28:28 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57873

Last save: 6/12/2017 10:37:08 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	5.73	0.297	5.30	10.59	113.806	7.55	0.
2	8.36	0.284	6.05	12.07	116.013	7.69	0.
3	9.86	0.311	12.74	25.43	269.078	17.84	0.
4	12.53	0.885	3.45	6.89	170.580	11.31	0.
5	13.88	0.407	9.18	18.32	244.293	16.20	0.
6	20.68	0.790	2.83	5.65	152.260	10.10	0.
7	23.34	0.635	10.55	21.05	442.171	29.32	0.
7	26.00	0.516	50.10	100.00	1508.202	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/12/2017 4:51:17 PM
Printed by: wet

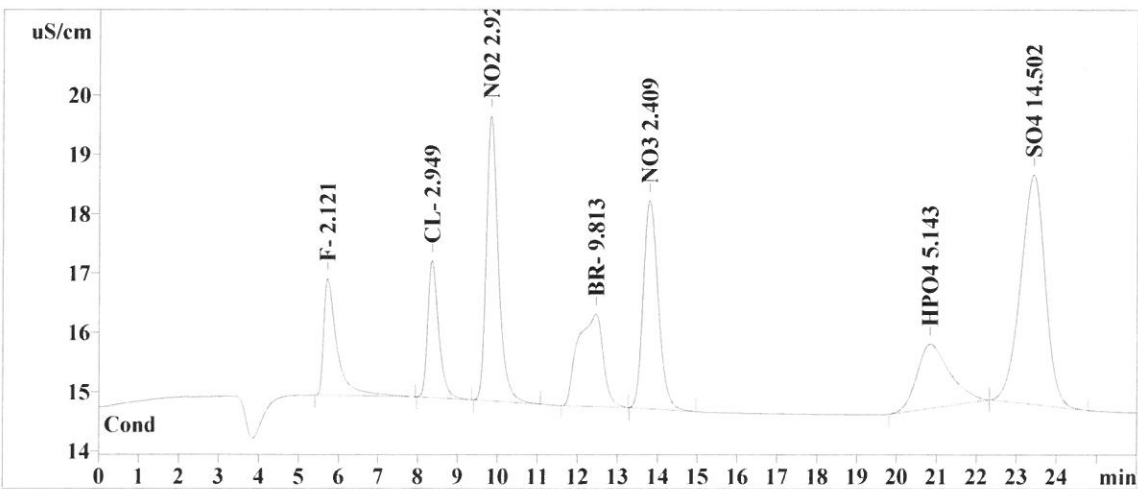
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Analysis from: 6/12/2017 4:02:25 PM
File: _2017-06-12_

Last save: 6/12/2017 4:34:28 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57877

Last save: 6/12/2017 2:28:18 PM

SAMPLE:
: 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	5.72	0.312	1.96	10.26	46.002	7.95	0.
2	8.35	0.288	2.30	12.07	44.648	7.72	0.
3	9.83	0.312	4.80	25.17	101.767	17.59	0.
4	12.46	0.751	1.56	8.17	67.356	11.64	0.
5	13.79	0.400	3.50	18.36	91.342	15.79	0.
6	20.83	0.865	1.08	5.67	62.130	10.74	0.
7	23.42	0.651	3.87	20.28	165.391	28.58	0.
7	26.00	0.511	19.08	99.98	578.636	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/12/2017 4:58:33 PM
Printed by: wet

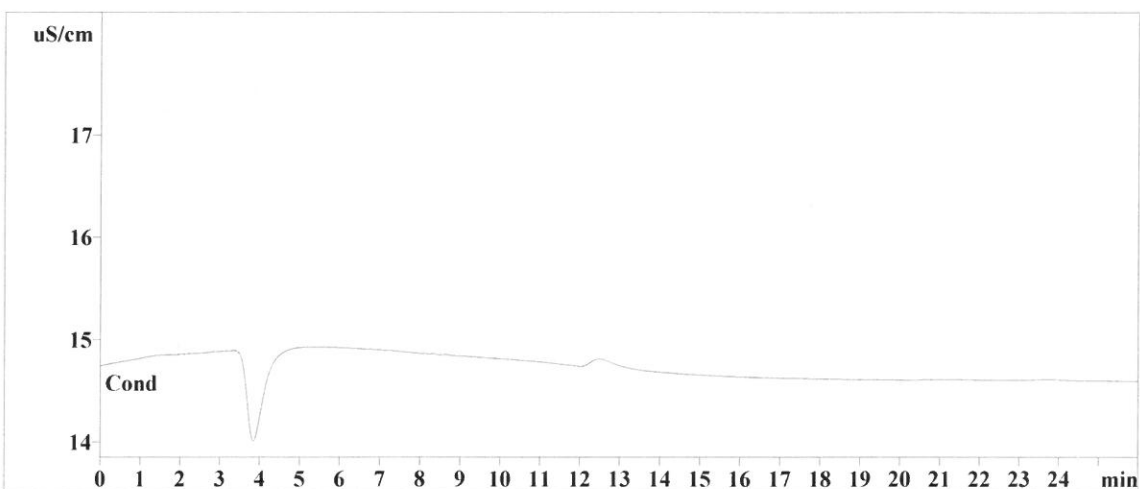
Ident: ICB
Analysis from: 6/12/2017 4:31:20 PM
File: _2017-06-12_

Last save: 6/12/2017 4:58:30 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 57878

Last save: 6/12/2017 2:28:18 PM

SAMPLE:
: AK/AP
Vial number: 11
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: 6/20/2017 3:52:17 PM
Printed by: wet

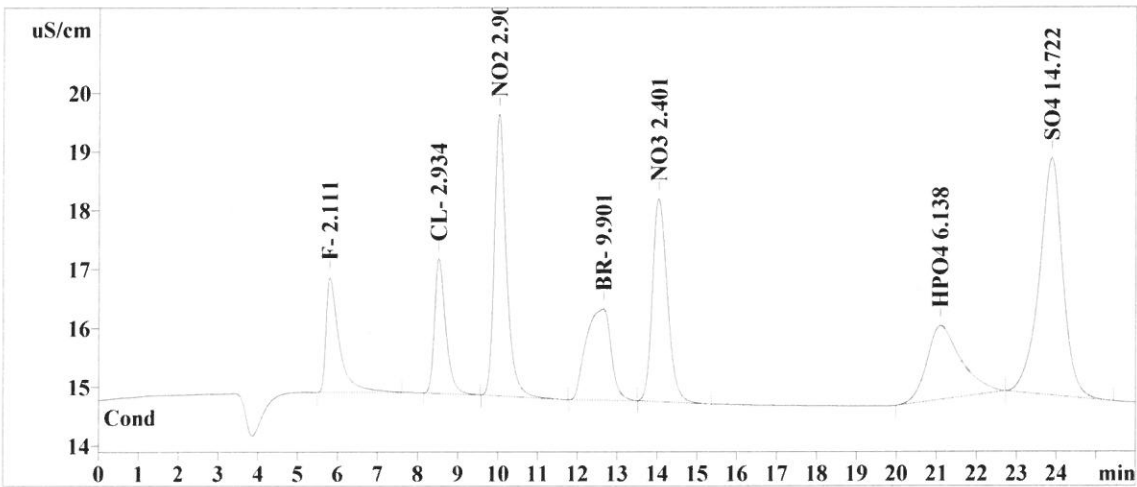
Ident: CCV
Analysis from: 6/19/2017 3:10:07 PM
File: _2017-06-19_

Last save: 6/19/2017 3:35:56 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58043

Last save: 6/14/2017 10:48:22 AM

SAMPLE:
: AP/AK
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	5.80	0.312	1.95	10.08	45.096	7.66	0.
2	8.52	0.282	2.29	11.85	44.203	7.51	0.
3	10.02	0.303	4.79	24.79	100.558	17.09	0.
4	12.65	0.720	1.56	8.05	67.550	11.48	0.
5	14.03	0.399	3.45	17.85	90.309	15.35	0.
6	21.08	0.867	1.26	6.51	74.111	12.60	0.
7	23.88	0.604	4.02	20.85	166.545	28.31	0.
7	26.00	0.498	19.30	99.98	588.372	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 3:52:25 PM
Printed by: wet

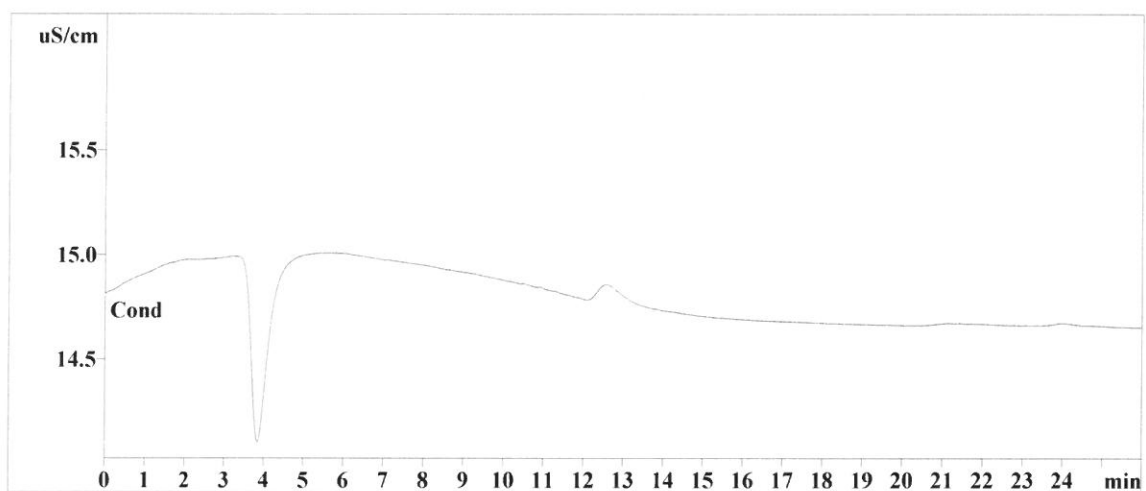
Ident: CCB
Analysis from: 6/19/2017 3:39:18 PM
File: _2017-06-19_

Last save: 6/20/2017 3:46:54 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58044

Last save: 6/14/2017 10:48:22 AM

SAMPLE:
: AP/AK
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: 6/20/2017 3:52:33 PM
Printed by: wet

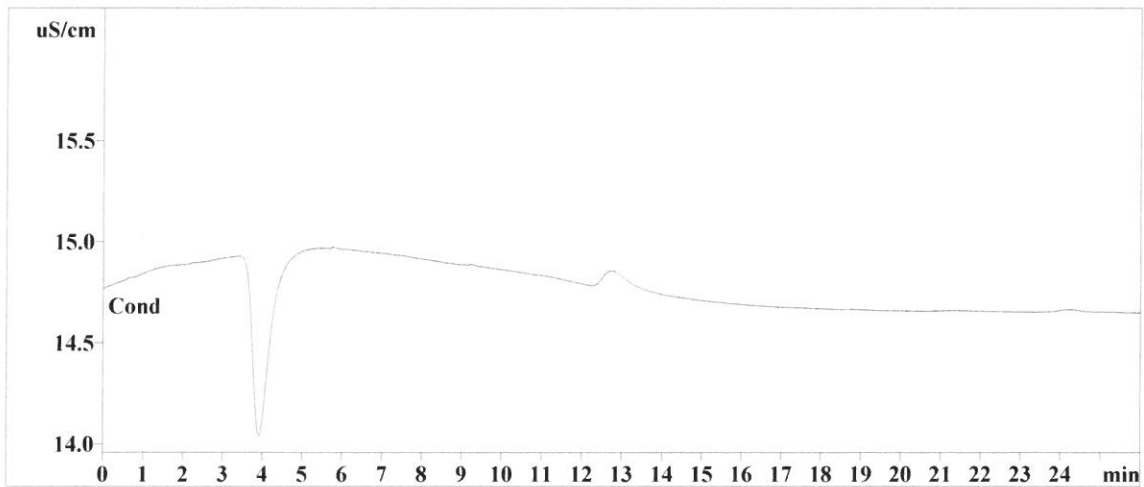
Ident: LB88206BLS
Analysis from: 6/19/2017 4:08:14 PM
File: _2017-06-19_

Last save: 6/20/2017 3:46:54 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58045

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.01g
: AP/AK
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: 6/20/2017 3:52:40 PM
 Printed by: wet

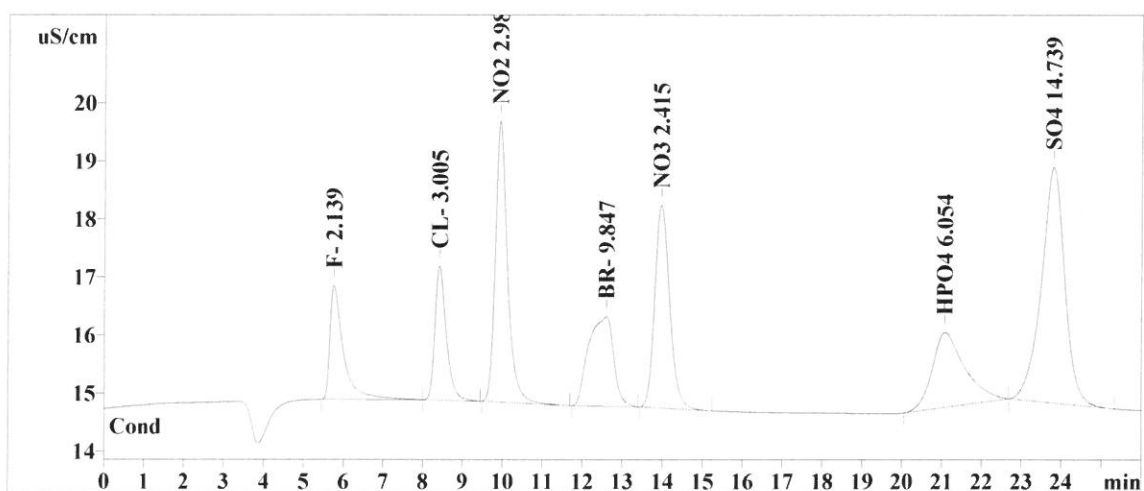
Ident: LB88206BSS
 Analysis from: 6/19/2017 4:37:16 PM
 File: _2017-06-19_

Last save: 6/20/2017 10:53:58 AM

Method: ANIONS 06-12-17.mtw
 Run operator: wet
 Analysis number: 58046

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.02g
 : 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	5.76	0.307	1.96	10.03	45.746	7.72	0.
2	8.41	0.287	2.31	11.85	45.301	7.65	0.
3	9.93	0.308	4.84	24.82	103.418	17.46	0.
4	12.60	0.732	1.55	7.93	67.192	11.34	0.
5	13.95	0.396	3.49	17.91	90.851	15.34	0.
6	21.07	0.826	1.29	6.62	73.106	12.34	0.
7	23.80	0.603	4.06	20.83	166.742	28.15	0.
7	26.00	0.494	19.49	100.00	592.356	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/20/2017 3:56:28 PM
Printed by: wet

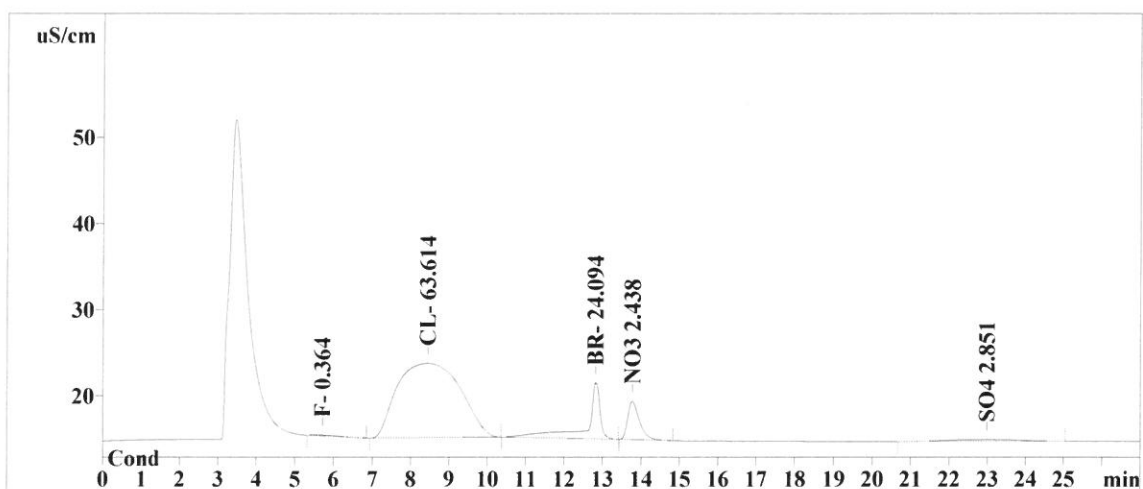
Ident: I3774-01
Analysis from: 6/19/2017 5:06:11 PM
File: _2017-06-19_

Last save: 6/20/2017 3:56:28 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58047

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.07g
: AP/AK
Vial number: 48
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	0.690	0.10	0.51	4.392	0.35	0.
2	8.43	1.969	8.62	43.59	987.500	77.63	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.82	0.206	6.46	32.65	163.154	12.83	0.
5	13.78	0.311	4.40	22.28	91.793	7.22	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	22.97	2.173	0.19	0.96	25.172	1.98	0.
7	27.00	0.764	19.77	99.98	1272.012	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 3:56:49 PM
Printed by: wet

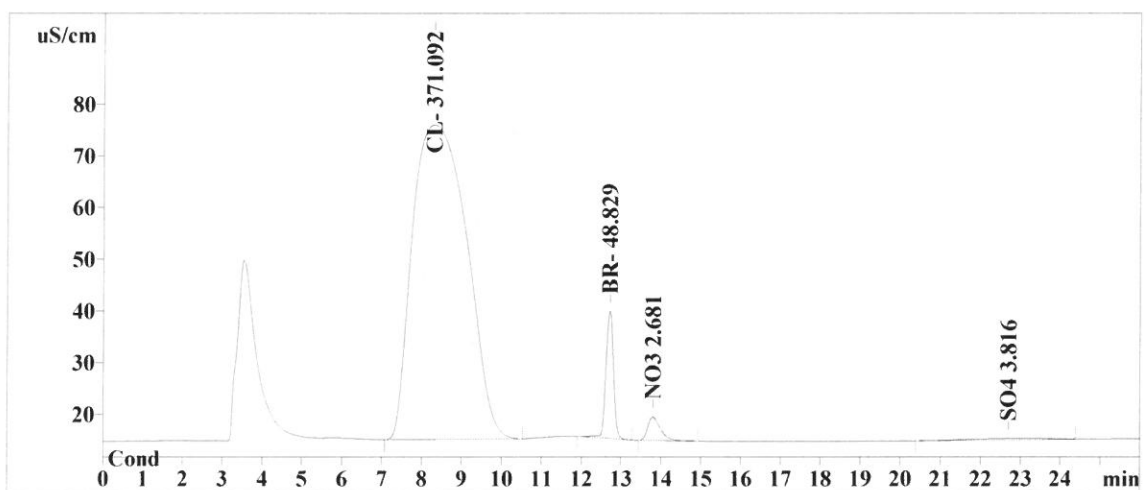
Ident: I3774-02
Analysis from: 6/19/2017 5:36:05 PM
File: _2017-06-19_

Last save: 6/20/2017 3:56:50 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58048

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.43g
: AP/AK
Vial number: 52
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	8.31	1.607	60.84	67.41	5767.377	92.50	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.71	0.207	24.58	27.23	329.756	5.29	0.
5	13.79	0.330	4.57	5.07	101.431	1.63	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	22.70	2.279	0.27	0.30	36.672	0.59	0.
7	26.00	0.632	90.26	100.00	6235.237	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 3:54:16 PM
Printed by: wet

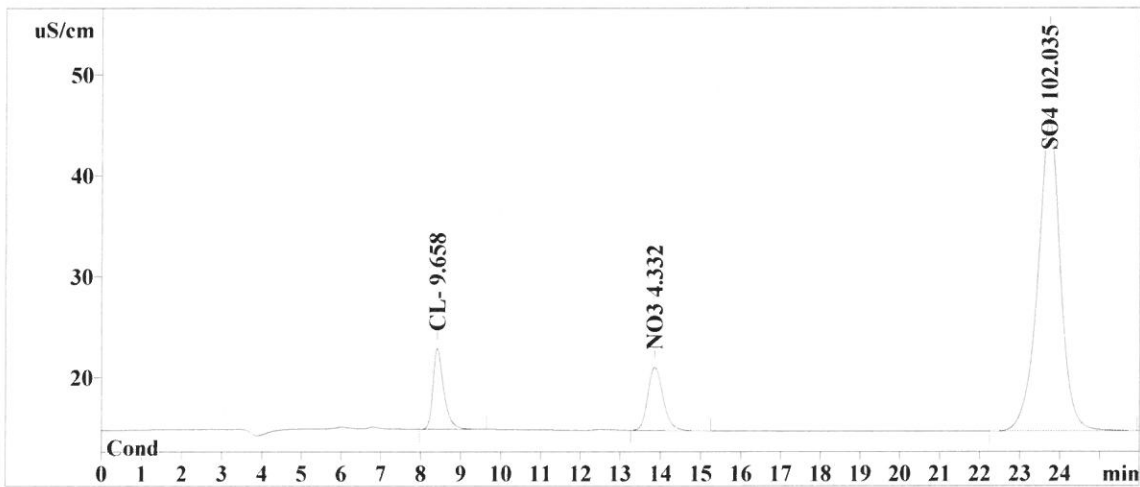
Ident: I3774-03
Analysis from: 6/19/2017 6:05:06 PM
File: _2017-06-19_

Last save: 6/20/2017 3:53:18 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58049

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 0.41g
: AP/AK
Vial number: 53
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	8.41	0.271	7.97	17.70	148.720	9.77	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	13.85	0.408	6.23	13.84	166.899	10.97	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.72	0.568	30.81	68.45	1206.287	79.26	0.
7	26.00	0.178	45.02	99.99	1521.906	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 3:54:24 PM
Printed by: wet

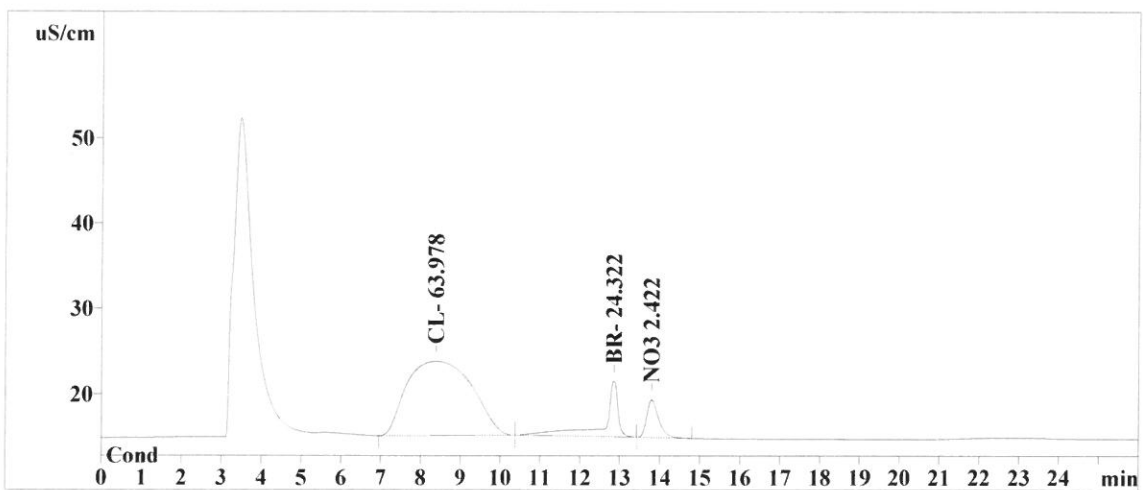
Ident: I3774-01DUP
Analysis from: 6/19/2017 6:34:01 PM
File: _2017-06-19_

Last save: 6/20/2017 3:53:18 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58050

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.06g
: AP/AK
Vial number: 49
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	8.38	1.976	8.68	44.42	993.159	79.52	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.85	0.209	6.47	33.11	164.688	13.19	0.
5	13.79	0.310	4.39	22.47	91.148	7.30	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	26.00	0.356	19.53	100.00	1248.995	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 3:57:16 PM
Printed by: wet

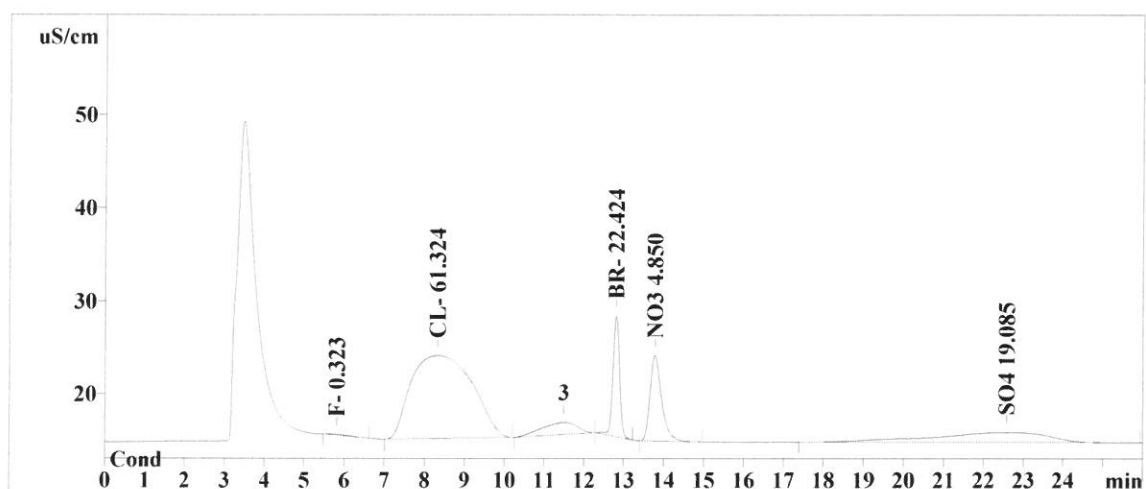
Ident: I3774-01MS
Analysis from: 6/19/2017 7:02:56 PM
File: _2017-06-19_

Last save: 6/20/2017 3:57:10 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58051

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.08g
: AP/AK
Vial number: 50
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	0.569	0.10	0.29	3.440	0.22	0.
2	8.32	1.838	8.93	26.66	951.897	59.72	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.81	0.179	12.93	38.60	151.904	9.53	0.
5	13.77	0.303	9.17	27.37	187.445	11.76	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	22.58	3.005	1.08	3.22	218.500	13.71	0.
7	26.00	0.842	32.21	96.13	1513.185	94.94	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 3:57:45 PM
Printed by: wet

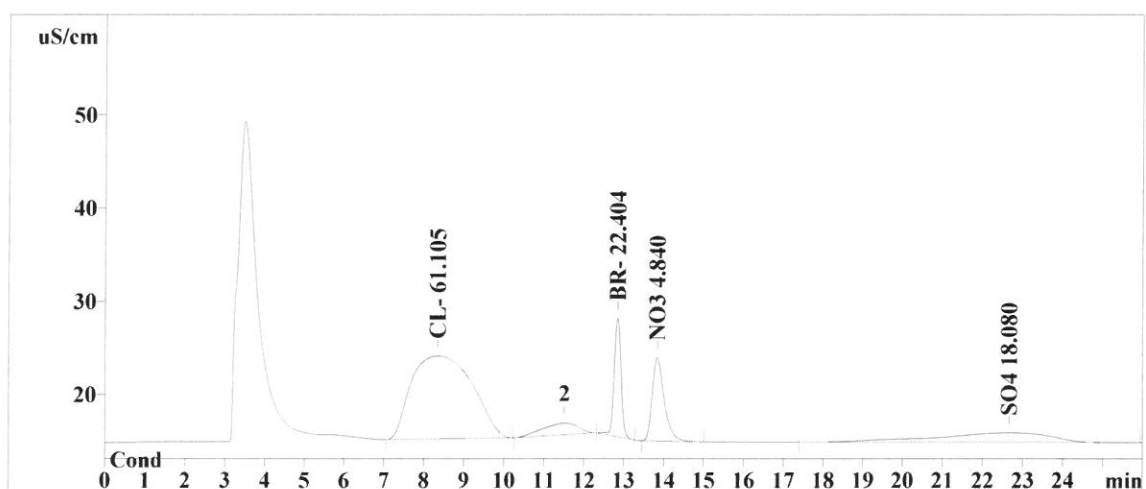
Ident: I3774-01MSD
Analysis from: 6/19/2017 7:31:52 PM
File: _2017-06-19_

Last save: 6/20/2017 3:57:46 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58052

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.06g
: AP/AK
Vial number: 51
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	8.35	1.832	8.92	27.10	948.498	60.33	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.85	0.181	12.77	38.77	151.766	9.65	0.
5	13.83	0.309	8.96	27.21	187.052	11.90	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	22.66	2.954	1.03	3.13	206.529	13.14	0.
7	26.00	0.754	31.68	96.21	1493.846	95.02	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 4:12:49 PM
 Printed by: wet

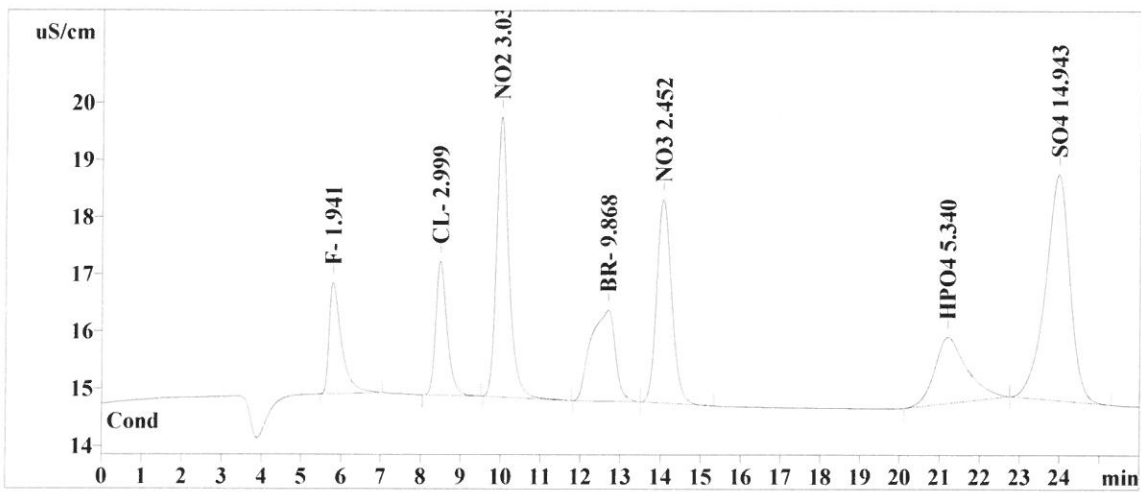
Ident: CCV
 Analysis from: 6/19/2017 8:58:37 PM
 File: _2017-06-19_

Last save: 6/19/2017 9:24:28 PM

Method: ANIONS 06-12-17.mtw
 Run operator: wet
 Analysis number: 58055

Last save: 6/14/2017 10:48:22 AM

SAMPLE: AP/AK
 :
 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	0.297	1.94	9.99	41.130	7.03	0.
2	8.48	0.283	2.34	12.03	45.212	7.73	0.
3	10.00	0.310	4.90	25.20	105.089	17.97	0.
4	12.69	0.729	1.59	8.17	67.333	11.51	0.
5	14.05	0.396	3.56	18.31	92.317	15.78	0.
6	21.19	0.815	1.15	5.94	64.602	11.05	0.
7	23.97	0.634	3.95	20.34	169.176	28.93	0.
7	26.00	0.495	19.43	99.99	584.858	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 6/20/2017 4:12:58 PM
Printed by: wet

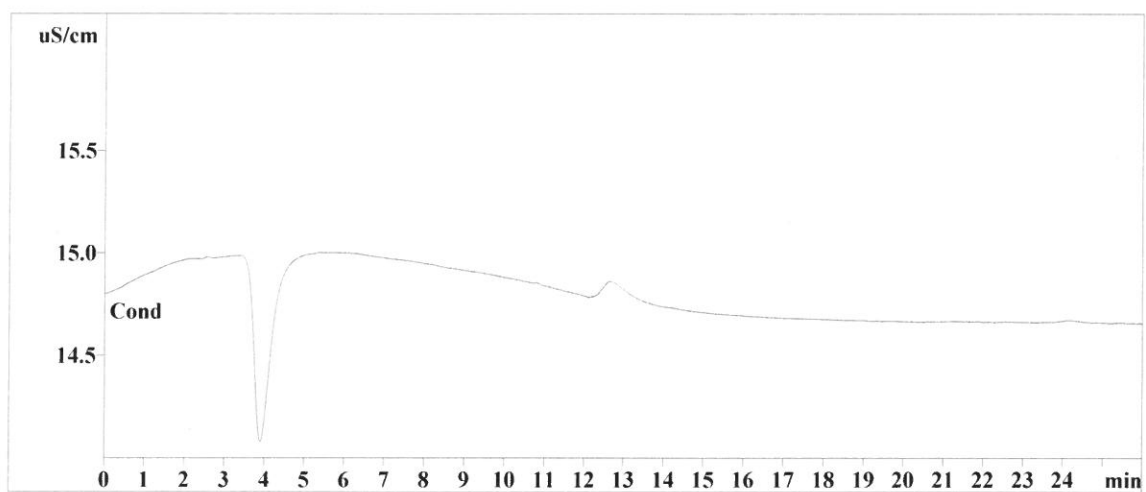
Ident: CCB
Analysis from: 6/19/2017 9:27:33 PM
File: _2017-06-19_

Last save: 6/20/2017 3:46:54 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58056

Last save: 6/14/2017 10:48:22 AM

SAMPLE:
: AP/AK
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: 6/20/2017 4:24:23 PM
 Printed by: wet

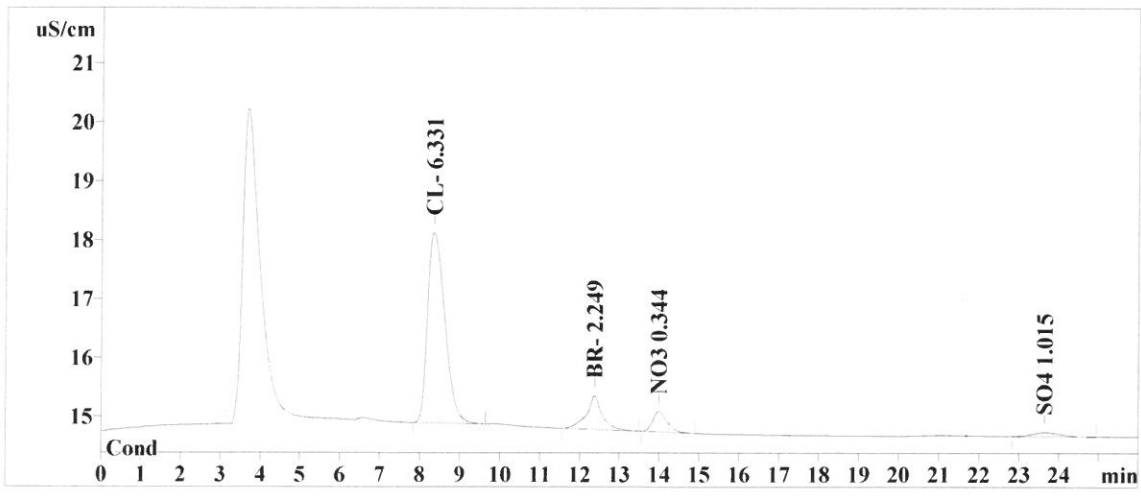
Ident: I3774-01DLX10
 Analysis from: 6/19/2017 11:52:09 PM
 File: _2017-06-19_

Last save: 6/20/2017 12:17:58 AM

Method: ANIONS 06-12-17.mtw
 Run operator: wet
 Analysis number: 58061

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.07g
 : AP/AK
 Vial number: 56
 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
2	8.35	0.467	3.23	76.54	96.998	77.58
3	0.00	0.000	0.00	0.00	0.000	0.00
4	12.38	0.337	0.57	13.57	16.013	12.81
5	13.99	0.377	0.35	8.20	8.714	6.97
6	0.00	0.000	0.00	0.00	0.000	0.00
7	23.64	0.744	0.07	1.64	3.309	2.65
7	26.00	0.275	4.22	99.96	125.034	100.00

This report has been created by IC Net
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Report date: 6/20/2017 4:24:36 PM
Printed by: wet

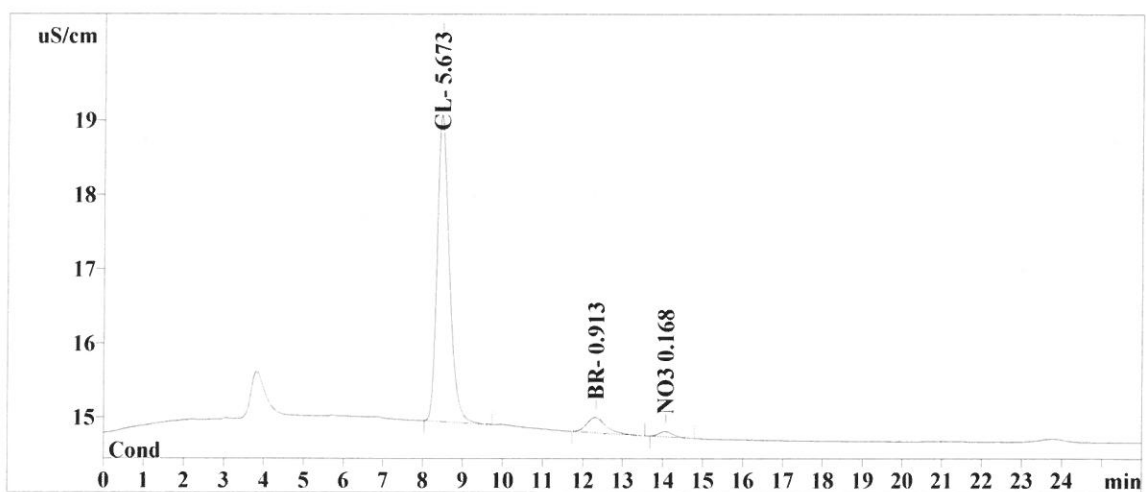
Ident: I3774-02DLX50
Analysis from: 6/20/2017 12:21:04 AM
File: _2017-06-20_

Last save: 6/20/2017 12:46:54 AM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58062

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 5.43g
: AP/AK
Vial number: 57
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	8.46	0.312	4.13	93.65	86.774	90.84	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.32	0.489	0.21	4.72	7.011	7.34	0.
5	14.06	0.374	0.07	1.60	1.739	1.82	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	26.00	0.168	4.41	99.97	95.524	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 4:25:44 PM
Printed by: wet

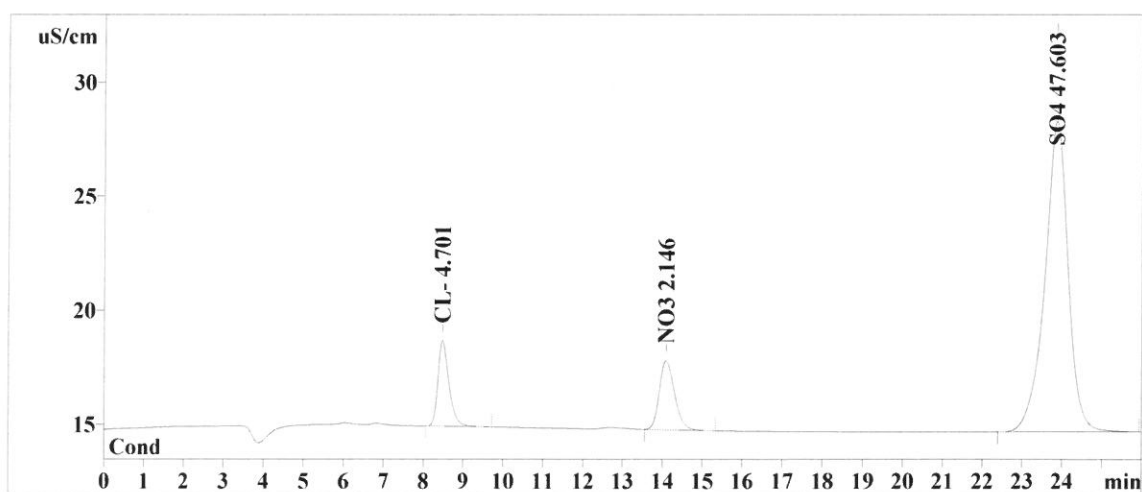
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Analysis from: 6/20/2017 12:49:59 AM
File: _2017-06-20_

Last save: 6/20/2017 4:25:40 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58063

Last save: 6/14/2017 10:48:22 AM

SAMPLE: 0.41g
: AP/AK
Vial number: 58
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	8.48	0.279	3.75	18.41	71.664	10.09	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	14.09	0.404	3.02	14.81	80.208	11.30	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.87	0.596	13.61	66.78	558.099	78.61	0.
7	26.00	0.183	20.38	100.00	709.971	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 6/20/2017 4:25:57 PM
 Printed by: wet

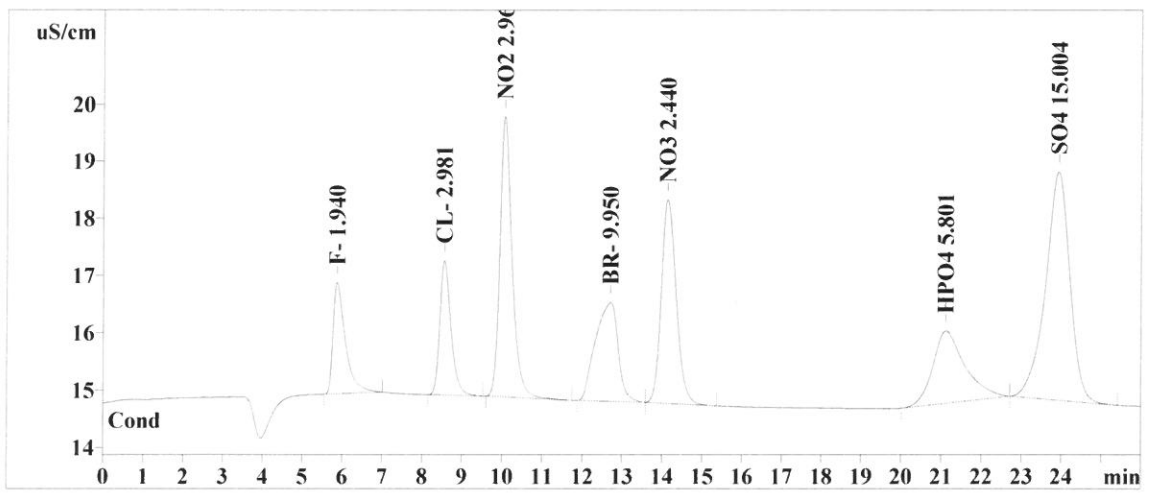
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 File: _2017-06-20_

Last save: 6/20/2017 1:44:44 AM

Method: ANIONS 06-12-17.mtw
 Run operator: wet
 Analysis number: 58064

Last save: 6/14/2017 10:48:22 AM

SAMPLE: AP/AK
 :
 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	5.87	0.301	1.94	9.83	41.124	6.99	0.
2	8.55	0.282	2.34	11.88	44.926	7.64	0.
3	10.06	0.303	4.90	24.86	102.514	17.43	0.
4	12.71	0.648	1.73	8.76	67.882	11.54	0.
5	14.13	0.393	3.55	18.02	91.876	15.62	0.
6	21.11	0.802	1.26	6.39	70.096	11.91	0.
7	23.93	0.630	3.99	20.25	169.895	28.88	0.
7	26.00	0.480	19.70	99.99	588.314	100.00	0.

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Report date: 6/20/2017 4:26:05 PM
Printed by: wet

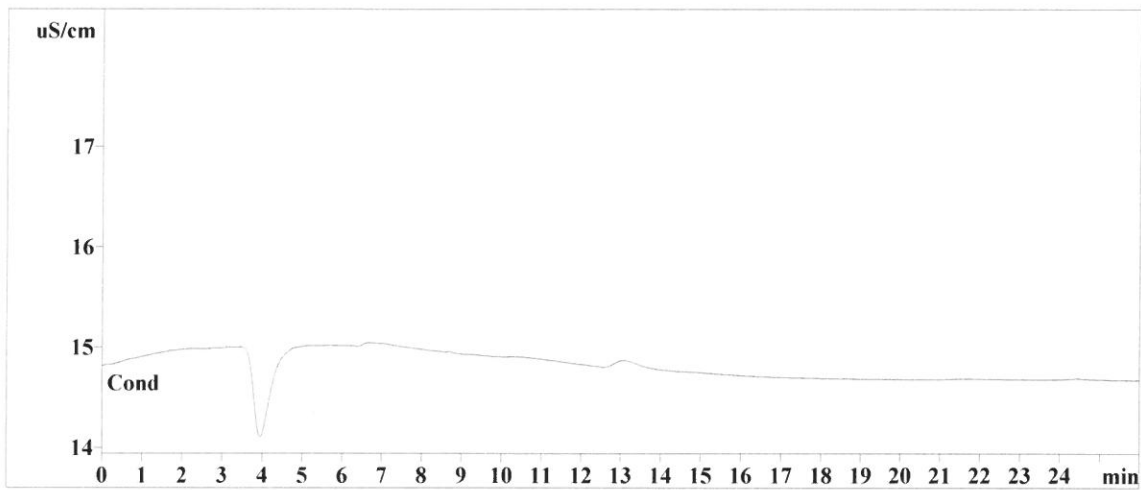
Ident: CCB
Analysis from: 6/20/2017 1:47:50 AM
File: _2017-06-20_

Last save: 6/20/2017 3:46:54 PM

Method: ANIONS 06-12-17.mtw
Run operator: wet
Analysis number: 58065

Last save: 6/14/2017 10:48:22 AM

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



Quantitation method: Custom

No peaks

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