

IC-1 9056-SOL LAD/MDL
 All Aliens
 4-17-18 AK

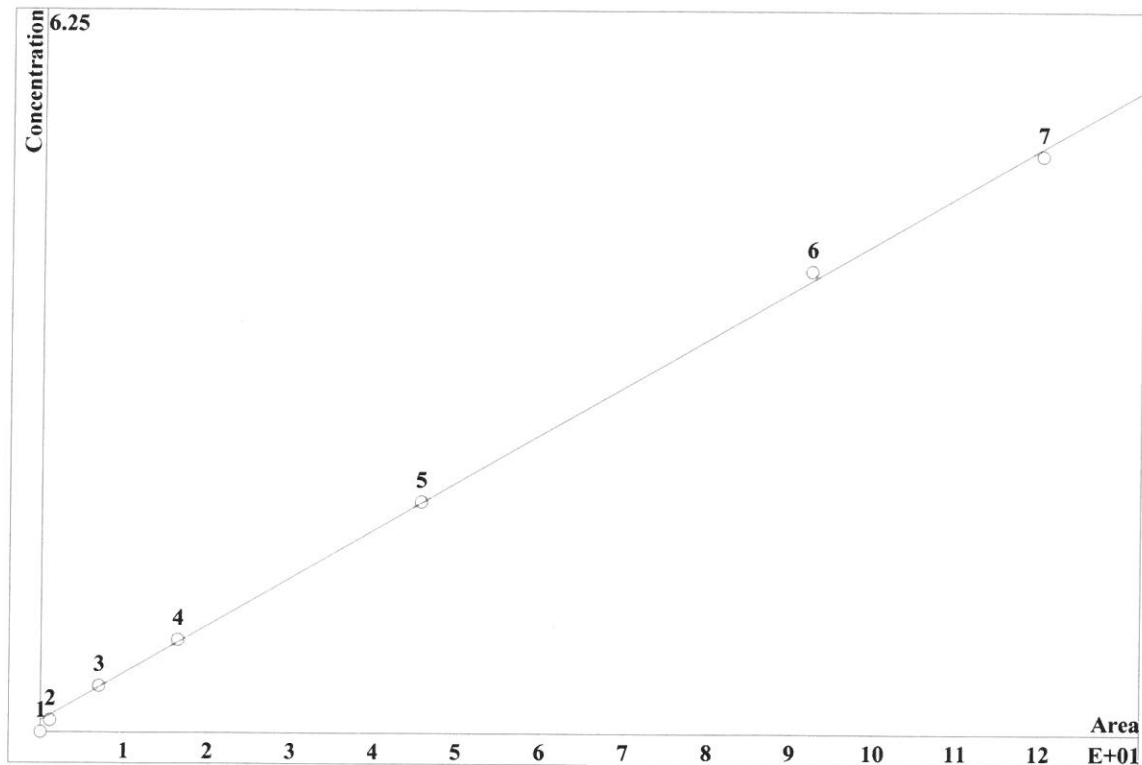
Clear table

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	_2018-03-19_	3/19/18 11:39
STD2	0.1500	0.2550	0.2370	0.8930	0.2300	0.1560	1.3110	_2018-03-19_	3/19/18 12:11
STD3	0.3910	0.6370	0.6410	2.1570	0.5450	0.9160	3.1970	_2018-03-19_	3/19/18 12:43
STD4	0.7810	1.1970	1.1780	3.8990	0.9790	2.0960	5.8990	_2018-03-19_	3/19/18 13:15
STD5	1.9910	2.8560	2.9190	9.4060	2.3260	5.1130	14.1490	_2018-03-19_	3/19/18 13:47
STD6	3.9180	5.8250	5.7830	19.7170	4.9370	10.1390	29.5500	_2018-03-19_	3/19/18 14:19
STD7	5.0690	7.6800	7.6910	25.4270	6.3580	12.3300	38.1440	_2018-03-19_	3/19/18 14:51
ICV	1.9800	2.9080	2.9290	9.6630	2.3880	5.2610	15.2060	_2018-03-19_	3/19/18 16:27
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-03-19_	3/19/18 17:23
CCV	1.8890	2.9500	2.7910	9.6710	2.4440	5.2690	14.7820	_2018-04-16_	4/16/18 17:41
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-04-16_	4/16/18 18:12
LB94663BSS	1.9150	2.9290	2.8950	9.8860	2.4770	5.0530	15.2980	_2018-04-16_	4/16/18 18:43
LB94663BLS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-04-16_	4/16/18 19:14
J2133-01	0.1280	0.1840	0.1870	0.6920	0.1770	-0.0420	1.0500	_2018-04-16_	4/16/18 19:45
J2133-03	0.1290	0.1830	0.1830	0.6980	0.1770	-0.0720	1.0530	_2018-04-16_	4/16/18 20:16
J2133-01	0.1420	0.2420	0.2520	0.9110	0.2300	0.0770	1.3820	_2018-04-16_	4/16/18 20:46
J2133-03	0.1530	0.2490	0.2480	0.9080	0.2290	0.0620	1.3870	_2018-04-16_	4/16/18 21:17
J2133-02	0.1850	0.3770	0.3740	1.3570	0.3340	0.4030	2.0610	_2018-04-16_	4/16/18 21:48
CCV	1.9210	2.9400	2.8030	9.6380	2.3810	4.9750	14.5540	_2018-04-16_	4/16/18 22:19
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2018-04-16_	4/16/18 22:50

IC-1 3-19-18
cal Ak

CALIBRATION OF COMPONENT F-

Method: ANIONS 03-19-18.mtw
Equation: $Q = 0.827175 \cdot A + 2.04637$
RSD: 2.922 %
Correlation coefficient: 0.999651



K3 = 0 K2 = 0 K1 = 0.827175 K0 = 2.04637

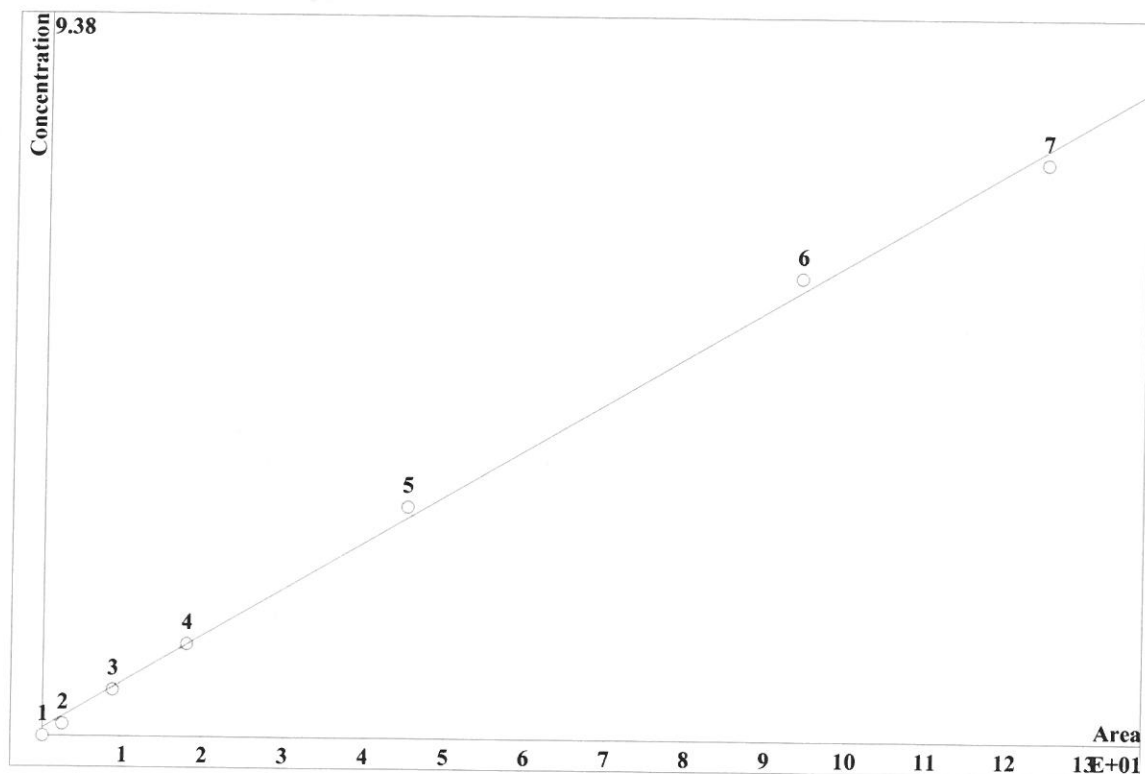
Base: Area
Ref.channel: Cond
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
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1	0	0	0	0	0	No
2	0.04538	1.141	0.1	20	5.921	Yes
3	0.2594	6.989	0.4	20	5.921	Yes
4	0.5635	16.41	0.8	20	5.921	Yes
5	1.518	45.66	2	20	5.921	Yes
6	3.234	92.27	4	20	5.921	Yes
7	4.105	120.1	5	20	5.921	Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 1.21583 \cdot A + 2.13837$
 RSD: 5.049 %
 Correlation coefficient: 0.998959



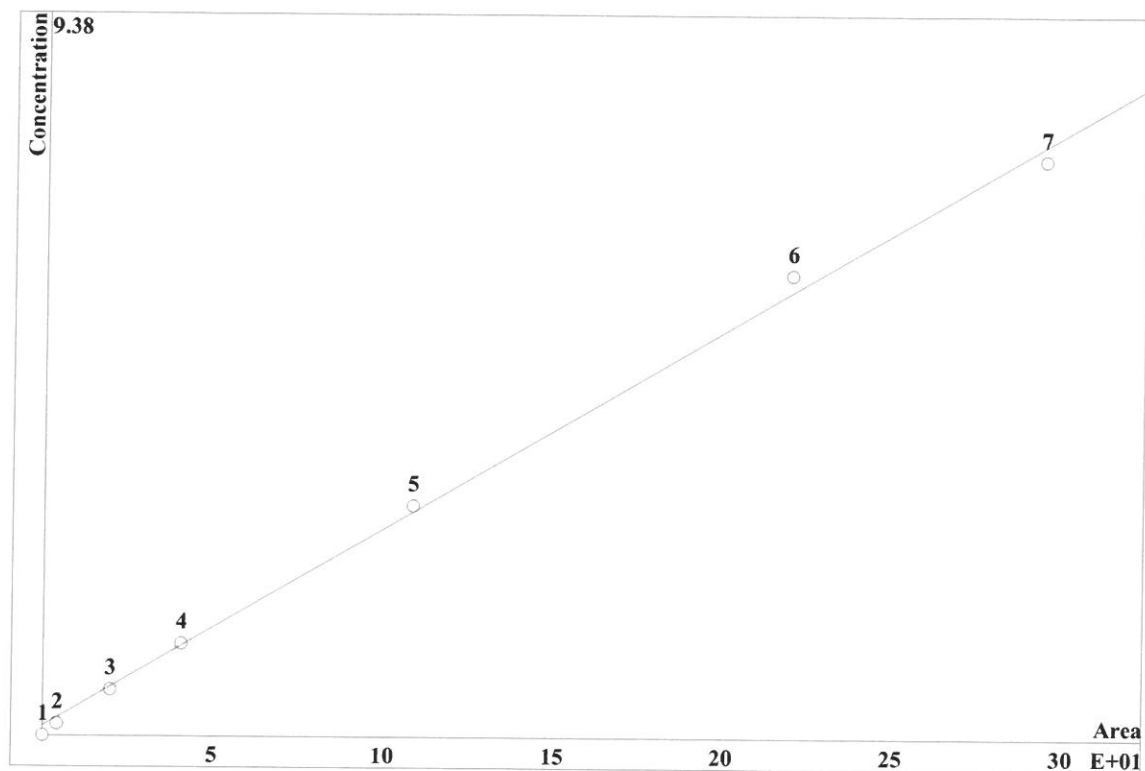
K3 = 0 K2 = 0 K1 = 1.21583 K0 = 2.13837

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	0.1382	2.432	0.15	20	8.982	Yes	
3	0.5252	8.718	0.6	20	8.982	Yes	
4	1.075	17.94	1.2	20	8.982	Yes	
5	2.756	45.22	3	20	8.982	Yes	
6	5.764	94.06	6	20	8.982	Yes	
7	7.49	124.6	7.5	20	8.982	Yes	

CALIBRATION OF COMPONENT NO2

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 0.51376 \cdot A + 2.60348$
 RSD: 5.143 %
 Correlation coefficient: 0.998920



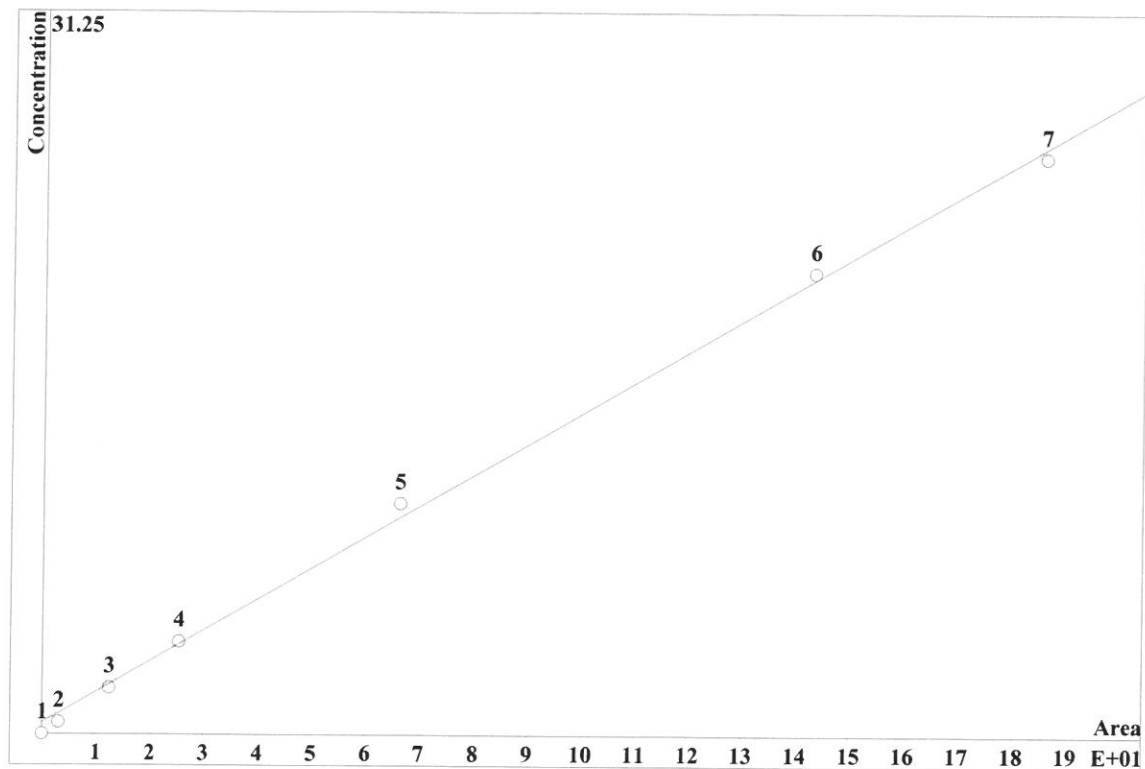
K3 = 0 K2 = 0 K1 = 0.51376 K0 = 2.60348

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	0.21	4.156	0.15	20	10.72	Yes		
3	1.035	19.9	0.6	20	10.72	Yes		
4	2.13	40.8	1.2	20	10.72	Yes		
5	5.487	108.6	3	20	10.72	Yes		
6	11.13	220	6	20	10.72	Yes		
7	14.24	294.3	7.5	20	10.72	Yes		

CALIBRATION OF COMPONENT BR-

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 2.68494 \cdot A + 9.86212$
 RSD: 4.375 %
 Correlation coefficient: 0.999218



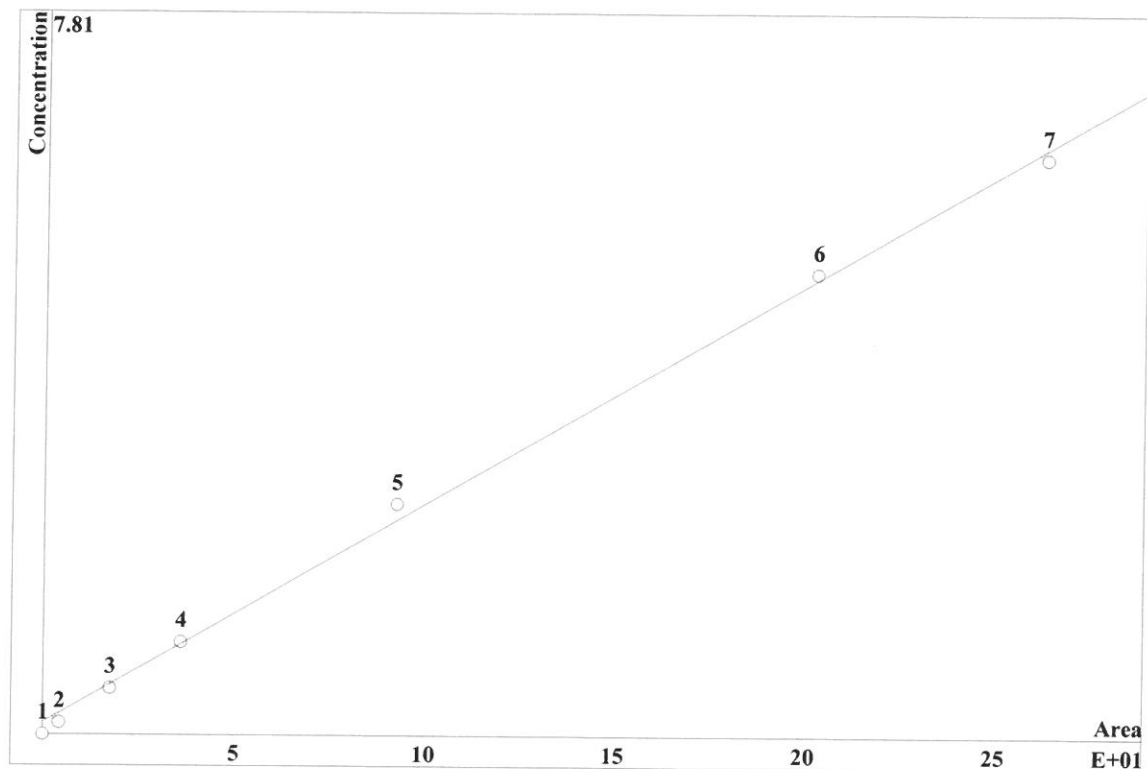
K3 = 0 K2 = 0 K1 = 2.68494 K0 = 9.86212

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	0.1528	2.981	0.5	20	13.6			Yes
3	0.6454	12.39	2	20	13.6			Yes
4	1.339	25.37	4	20	13.6			Yes
5	3.519	66.39	10	20	13.6			Yes
6	7.35	143.2	20	20	13.6			Yes
7	9.434	185.7	25	20	13.6			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 0.473492 \cdot A + 2.64071$
 RSD: 4.760 %
 Correlation coefficient: 0.999075



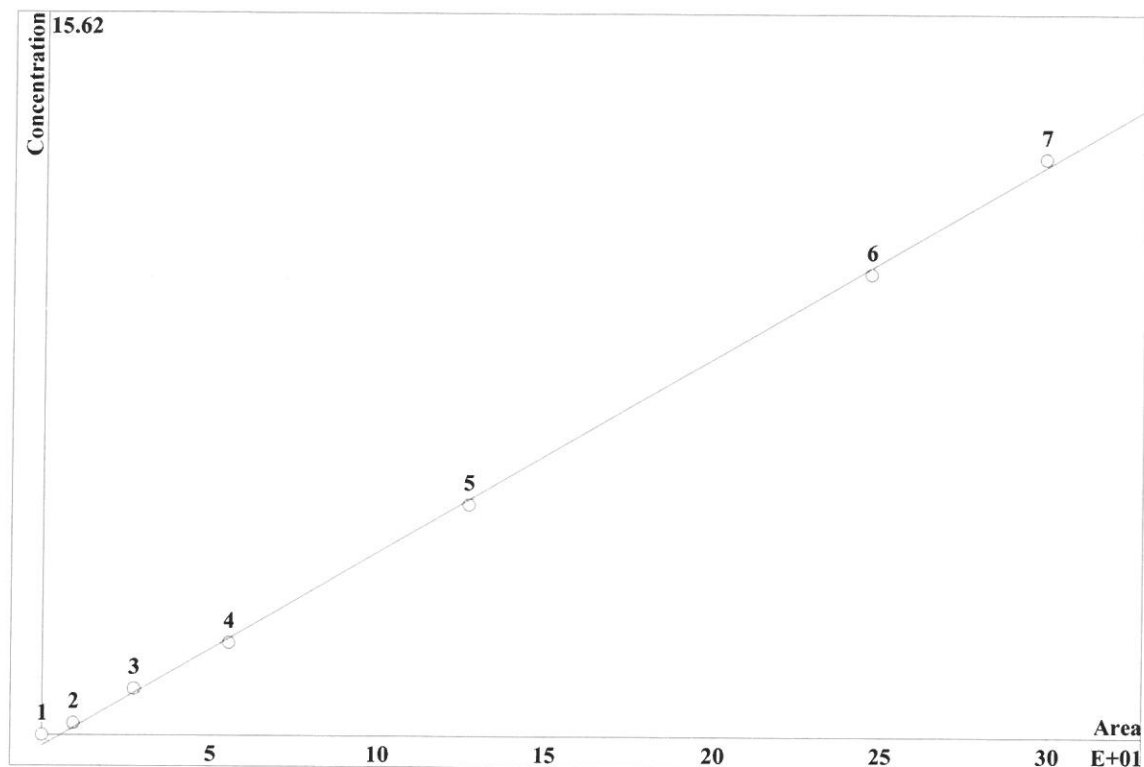
K3 = 0 K2 = 0 K1 = 0.473492 K0 = 2.64071

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	0.1886	4.149	0.125	20	15.49			Yes
3	0.7944	17.44	0.5	20	15.49			Yes
4	1.643	35.76	1	20	15.49			Yes
5	4.336	92.66	2.5	20	15.49			Yes
6	9.344	203	5	20	15.49			Yes
7	12.2	263	6.25	20	15.49			Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 0.841758 \cdot A - 4.5807$
 RSD: 2.868 %
 Correlation coefficient: 0.999664



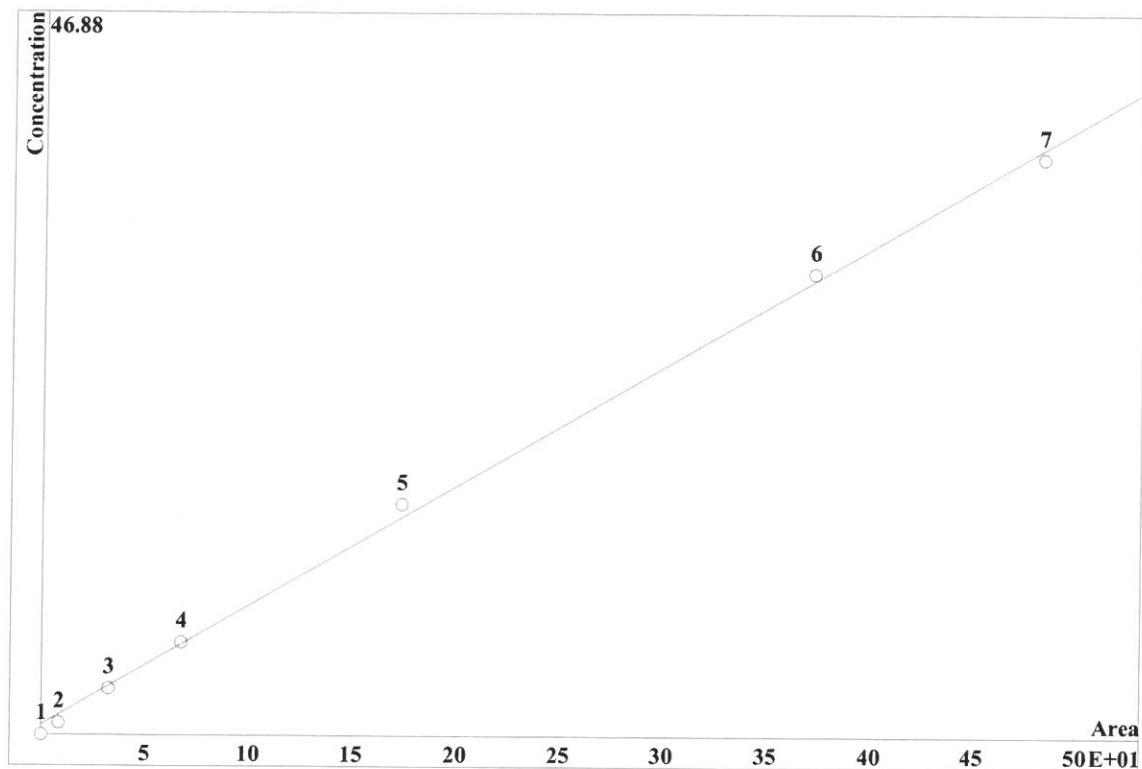
K3 = 0 K2 = 0 K1 = 0.841758 K0 = -4.5807

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	9.149	0.25	20	22.72			Yes
3	0.6954	27.2	1	20	22.72			Yes
4	1.377	55.25	2	20	22.72			Yes
5	3.348	126.9	5	20	22.72			Yes
6	6.804	246.3	10	20	22.72			Yes
7	8.626	298.4	12.5	20	22.72			Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 03-19-18.mtw
 Equation: $Q = 1.55224 \cdot A + 13.2199$
 RSD: 4.247 %
 Correlation coefficient: 0.999263



K3 = 0 K2 = 0 K1 = 1.55224 K0 = 13.2199
 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	0.2644	8.376	0.75	20	25.7		Yes
3	1.07	32.68	3	20	25.7		Yes
4	2.205	67.48	6	20	25.7		Yes
5	5.865	173.8	15	20	25.7		Yes
6	12.67	372.2	30	20	25.7		Yes
7	16.58	483	37.5	20	25.7		Yes

Report date: 3/19/2018 4:51:12 PM
Printed by: wet

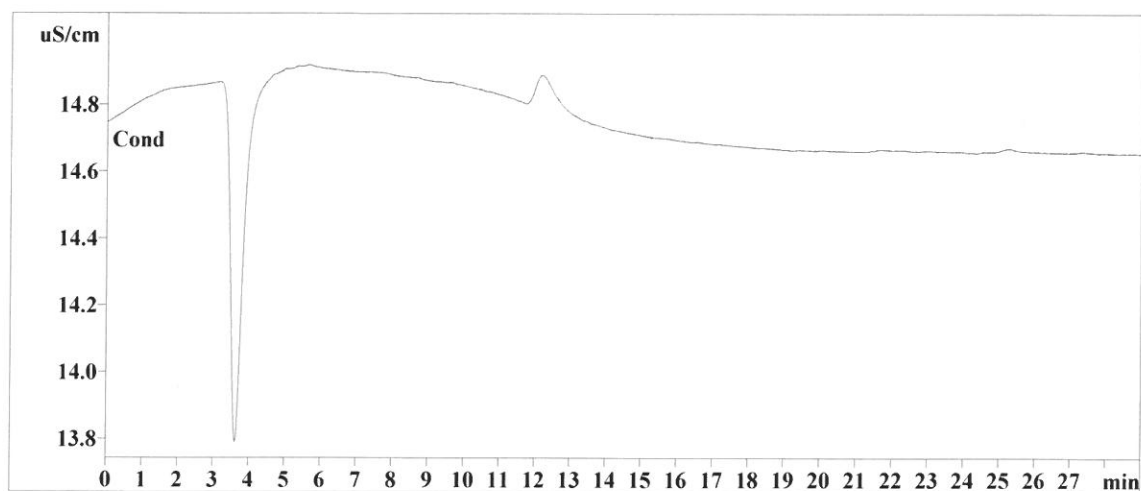
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File: _2018-03-19_

Last save: 3/19/2018 4:49:08 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61448

Last save: 3/19/2018 9:52:10 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: 3/19/2018 4:51:19 PM
Printed by: wet

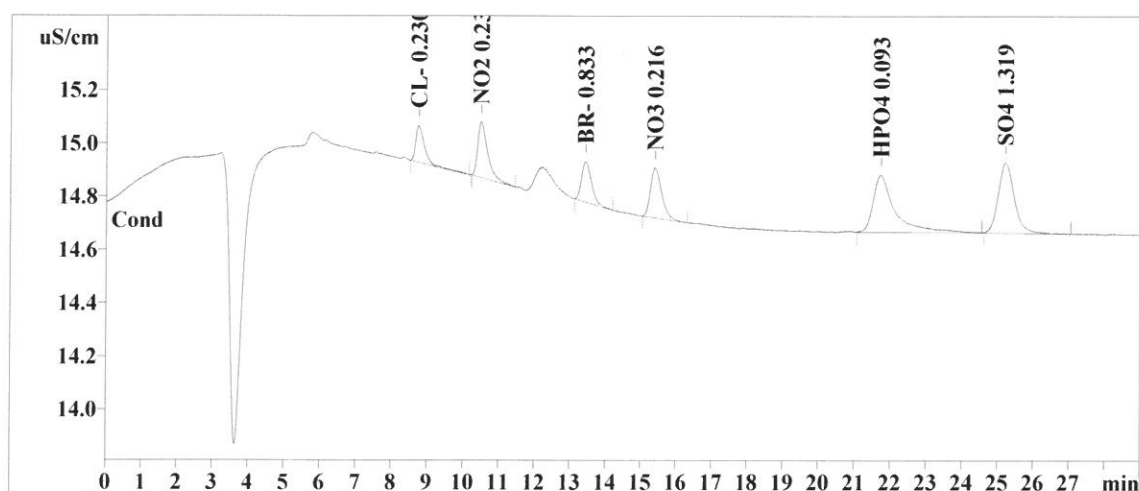
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Analysis from: 3/19/2018 12:11:40 PM
File: _2018-03-19_

Last save: 3/19/2018 4:50:02 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61449

Last save: 3/19/2018 9:52:10 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.74	0.250	0.14	11.78	2.432	7.78	0.
3	10.49	0.286	0.21	17.92	4.156	13.30	0.
4	13.43	0.301	0.15	13.00	2.981	9.54	0.
5	15.38	0.332	0.19	16.07	4.149	13.28	0.
6	21.72	0.523	0.21	18.31	9.149	29.28	0.
7	25.21	0.468	0.26	22.57	8.376	26.81	0.
7	29.00	0.309	1.16	99.65	31.243	100.00	0.

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Report date: 3/19/2018 4:52:13 PM
Printed by: wet

Ident: STD2
Analysis from: 3/19/2018 12:11:40 PM
File: _2018-03-19_

Last save: 3/19/2018 4:52:12 PM

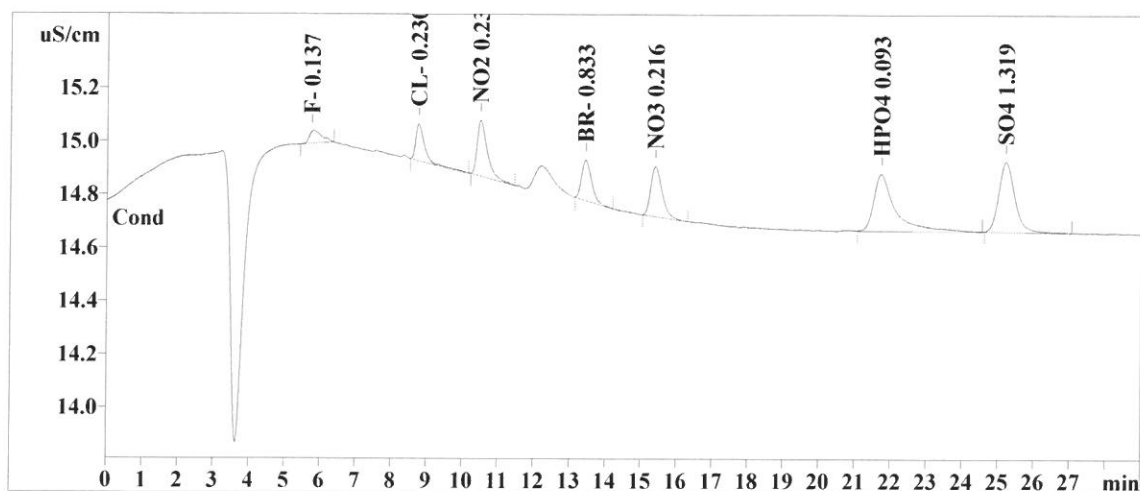
Manual peaks!

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61449

Last save: 3/19/2018 9:52:10 AM

SAMPLE:

: AK/AP
Vial number: 3
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	5.74	0.369	0.05	3.74	1.141	3.52	0.
2	8.74	0.250	0.14	11.34	2.432	7.51	0.
3	10.49	0.286	0.21	17.25	4.156	12.83	0.
4	13.43	0.301	0.15	12.51	2.981	9.20	0.
5	15.38	0.332	0.19	15.47	4.149	12.81	0.
6	21.72	0.523	0.21	17.63	9.149	28.25	0.
7	25.21	0.468	0.26	21.73	8.376	25.86	0.
7	29.00	0.361	1.21	99.67	32.384	100.00	0.

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Report date: 3/19/2018 5:16:31 PM
Printed by: wet

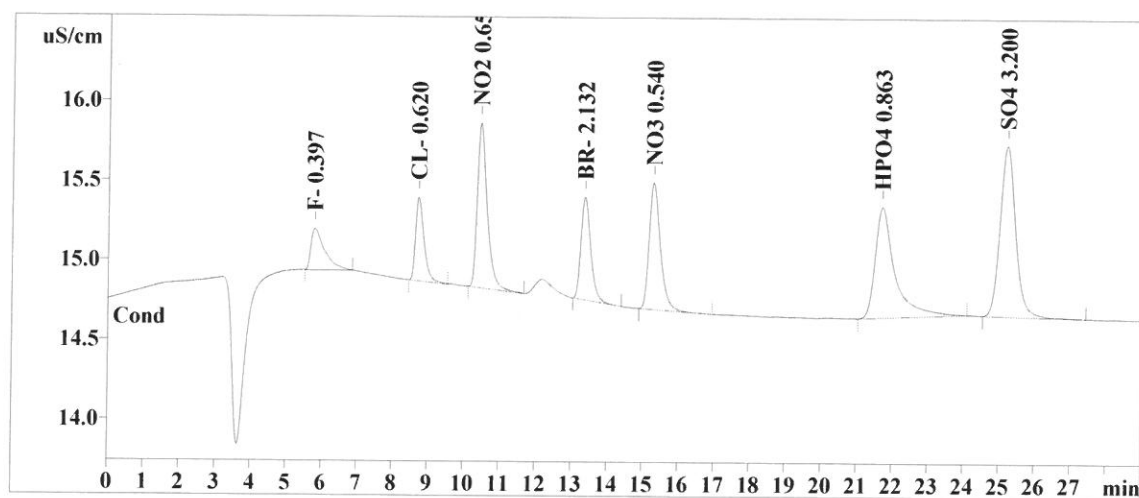
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File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61450

Last save: 3/19/2018 9:52:10 AM

SAMPLE:
:
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	5.79	0.378	0.26	5.15	6.989	5.58	0.
2	8.72	0.248	0.52	10.44	8.718	6.96	0.
3	10.46	0.282	1.03	20.57	19.904	15.88	0.
4	13.36	0.289	0.64	12.83	12.392	9.89	0.
5	15.29	0.326	0.79	15.80	17.438	13.92	0.
6	21.70	0.505	0.70	13.83	27.196	21.70	0.
7	25.21	0.454	1.07	21.29	32.680	26.08	0.
7	29.00	0.355	5.02	99.92	125.316	100.00	0.

This report has been created by IC Net
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Report date: 3/19/2018 5:16:37 PM
Printed by: wet

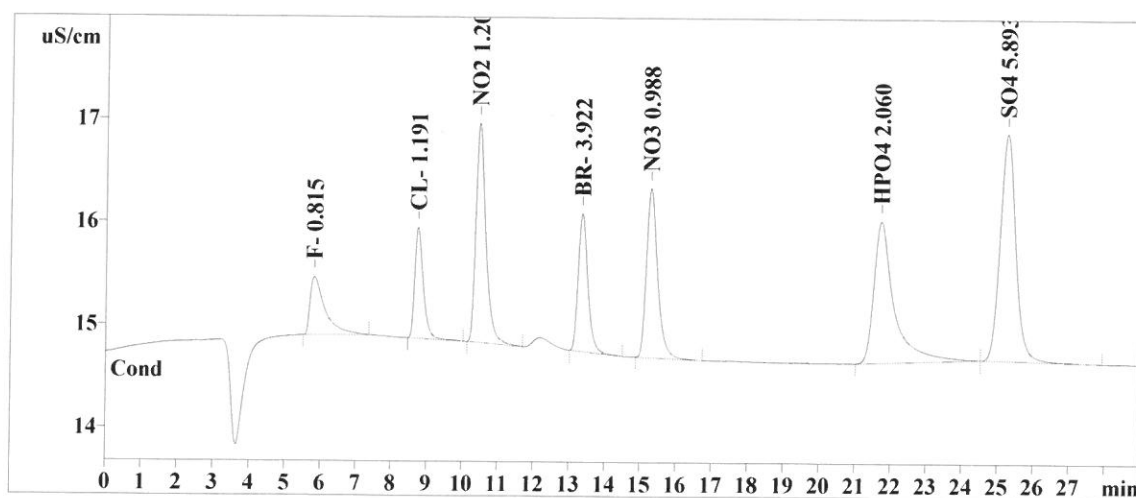
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File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61451

Last save: 3/19/2018 9:52:10 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	5.81	0.391	0.56	5.44	16.409	6.33	0.
2	8.73	0.246	1.08	10.41	17.939	6.93	0.
3	10.45	0.280	2.13	20.61	40.803	15.75	0.
4	13.35	0.285	1.34	12.96	25.373	9.80	0.
5	15.27	0.323	1.64	15.89	35.765	13.81	0.
6	21.71	0.507	1.38	13.32	55.249	21.33	0.
7	25.25	0.458	2.21	21.34	67.485	26.05	0.
7	29.00	0.356	10.33	99.98	259.022	100.00	0.

This report has been created by IC Net
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Report date: 3/19/2018 5:16:44 PM
Printed by: wet

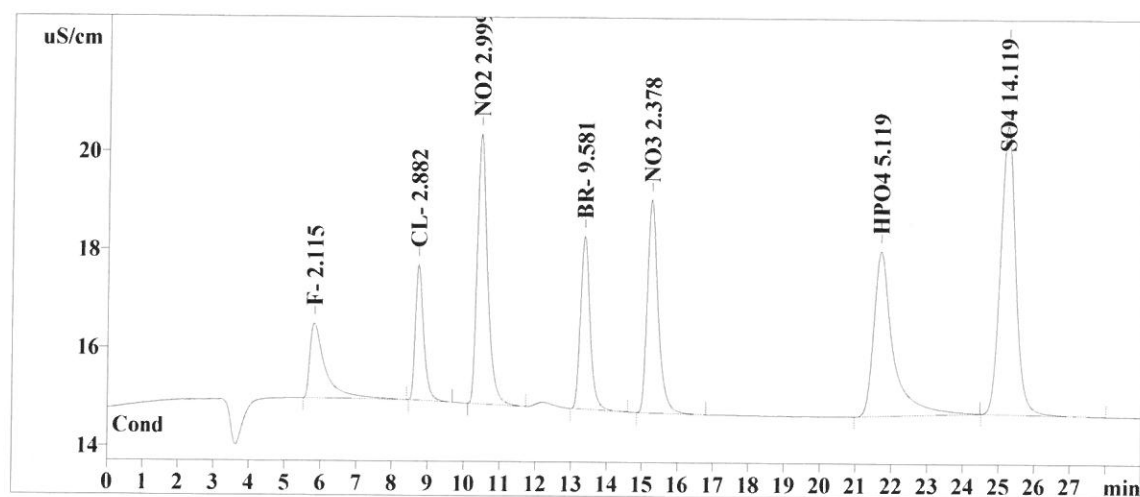
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Analysis from: 3/19/2018 1:47:22 PM
File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61452

Last save: 3/19/2018 9:52:10 AM

SAMPLE:
: 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	5.81	0.382	1.52	5.65	45.665	6.93	0.
2	8.72	0.244	2.76	10.27	45.218	6.86	0.
3	10.44	0.291	5.49	20.45	108.582	16.47	0.
4	13.35	0.283	3.52	13.12	66.393	10.07	0.
5	15.23	0.315	4.34	16.16	92.663	14.06	0.
6	21.68	0.486	3.35	12.48	126.933	19.25	0.
7	25.21	0.443	5.86	21.86	173.784	26.36	0.
7	29.00	0.349	26.83	99.99	659.239	100.00	0.

This report has been created by IC Net
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Report date: 3/19/2018 5:16:51 PM
Printed by: wet

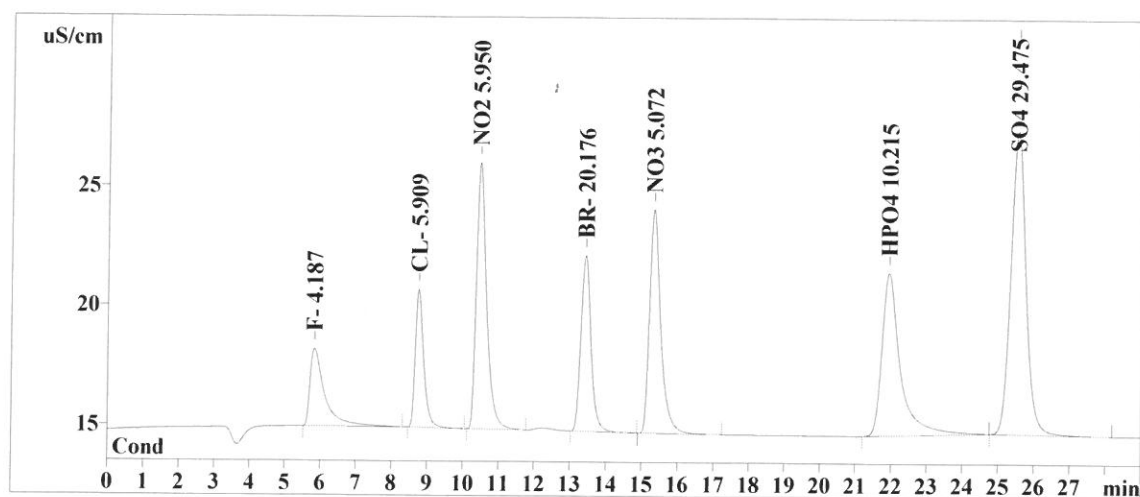
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Analysis from: 3/19/2018 2:19:16 PM
File: _2018-03-19_

Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61453

Last save: 3/19/2018 9:52:10 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	5.83	0.371	3.23	5.74	92.268	6.73	0.
2	8.74	0.241	5.76	10.24	94.056	6.86	0.
3	10.45	0.290	11.13	19.77	220.042	16.05	0.
4	13.42	0.292	7.35	13.06	143.199	10.44	0.
5	15.31	0.316	9.34	16.60	202.969	14.80	0.
6	21.92	0.475	6.80	12.09	246.345	17.97	0.
7	25.51	0.439	12.67	22.50	372.225	27.15	0.
7	29.00	0.346	56.30	100.00	1371.105	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/19/2018 5:16:57 PM
Printed by: wet

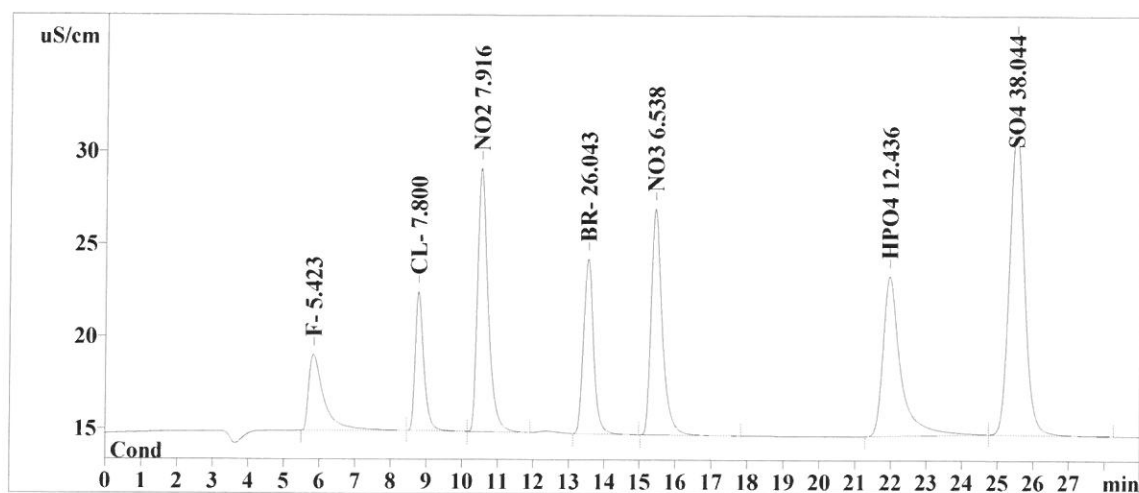
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Last save: 3/19/2018 5:16:16 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61454

Last save: 3/19/2018 9:52:10 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	5.83	0.387	4.10	5.65	120.082	6.79	0.
2	8.77	0.245	7.49	10.31	124.582	7.04	0.
3	10.51	0.304	14.24	19.59	294.341	16.64	0.
4	13.53	0.296	9.43	12.98	185.734	10.50	0.
5	15.41	0.314	12.20	16.79	262.984	14.87	0.
6	21.95	0.457	8.63	11.87	298.393	16.87	0.
7	25.49	0.436	16.58	22.81	482.955	27.30	0.
7	29.00	0.349	72.68	99.99	1769.070	100.00	0.

This report has been created by IC Net
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Report date: 3/19/2018 6:46:42 PM
Printed by: wet

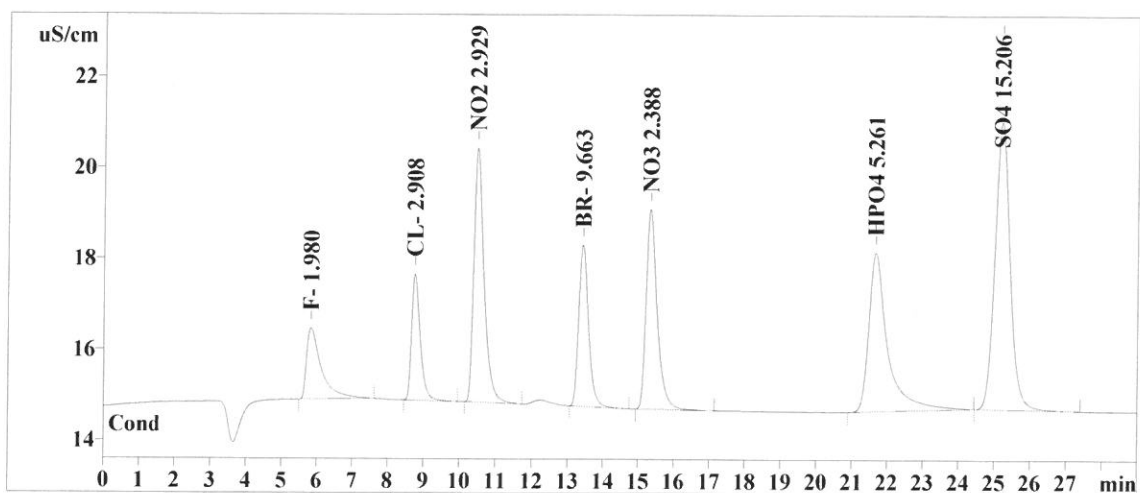
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File: _2018-03-19_

Last save: 3/19/2018 6:46:38 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61457

Last save: 3/19/2018 9:52:10 AM

SAMPLE:
: AK/AP
Vial number: 11
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	5.83	0.389	1.56	5.64	45.402	6.66	0.
2	8.75	0.246	2.78	10.02	46.071	6.76	0.
3	10.48	0.285	5.60	20.21	108.955	15.98	0.
4	13.42	0.288	3.56	12.84	68.309	10.02	0.
5	15.32	0.319	4.39	15.85	95.307	13.98	0.
6	21.66	0.482	3.49	12.60	130.436	19.13	0.
7	25.19	0.443	6.33	22.84	187.404	27.48	0.
7	29.00	0.350	27.70	100.00	681.883	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 3/19/2018 6:46:49 PM
Printed by: wet

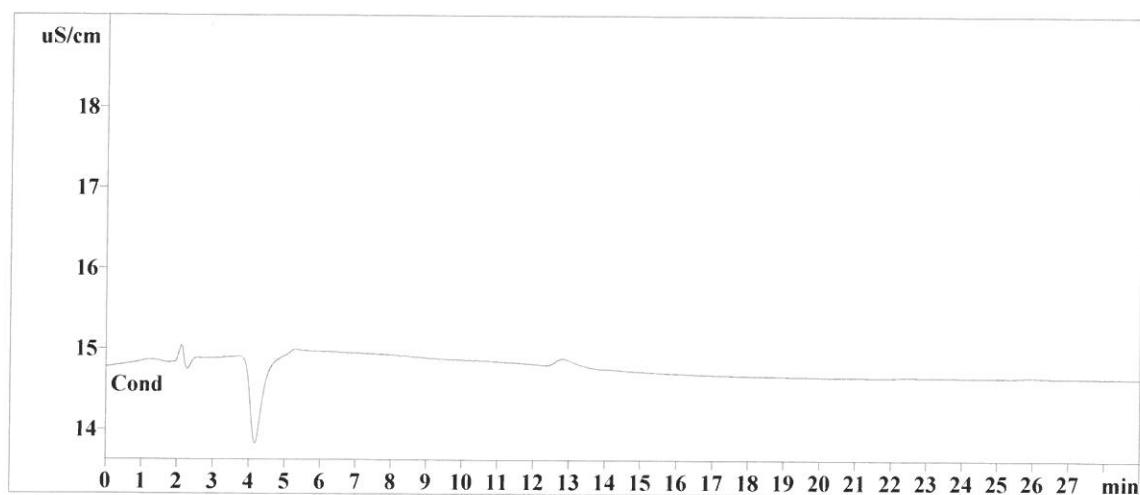
Ident: ICB
Analysis from: 3/19/2018 5:23:20 PM
File: _2018-03-19_

Last save: 3/19/2018 6:46:38 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61459

Last save: 3/19/2018 9:52:10 AM

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

IC-1 9056 -SOIL LOD/MDL
for all anions

Report date: 4/17/2018 9:59:39 AM
Printed by: wet

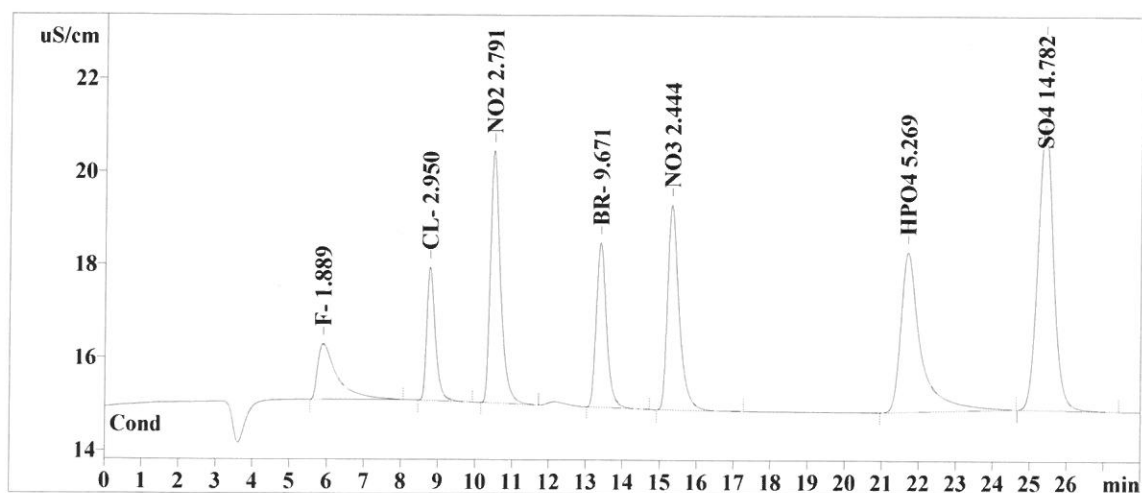
Ident: CCV
Analysis from: 4/16/2018 5:41:31 PM
File: _2018-04-16_

Last save: 4/16/2018 6:09:20 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61924

Last save: 3/28/2018 6:04:32 PM

SAMPLE:
: AK/AP
Vial number: 41
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	5.89	0.482	1.19	4.42	43.192	6.43	0.
2	8.77	0.242	2.86	10.60	46.760	6.96	0.
3	10.48	0.282	5.42	20.10	103.580	15.41	0.
4	13.38	0.290	3.53	13.10	68.366	10.17	0.
5	15.31	0.326	4.40	16.33	97.657	14.53	0.
6	21.69	0.486	3.43	12.70	130.632	19.44	0.
7	25.39	0.446	6.14	22.75	181.938	27.07	0.
7	28.00	0.365	26.98	99.99	672.125	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 9:59:46 AM
Printed by: wet

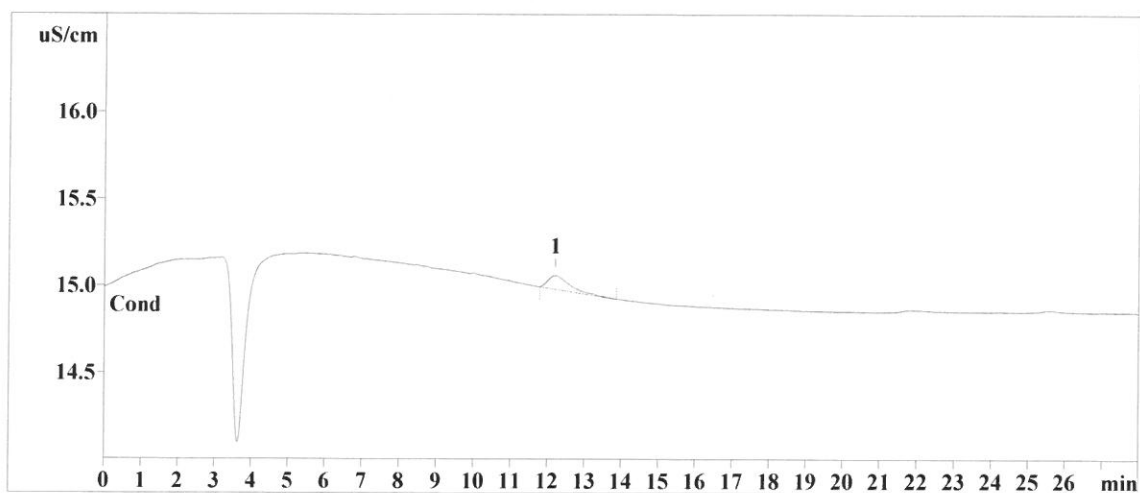
Ident: CCB
Analysis from: 4/16/2018 6:12:25 PM
File: _2018-04-16_

Last save: 4/16/2018 6:40:14 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61925

Last save: 3/28/2018 6:04:32 PM

SAMPLE:
: AK/AP
Vial number: 42
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	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	28.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:01:23 AM
Printed by: wet

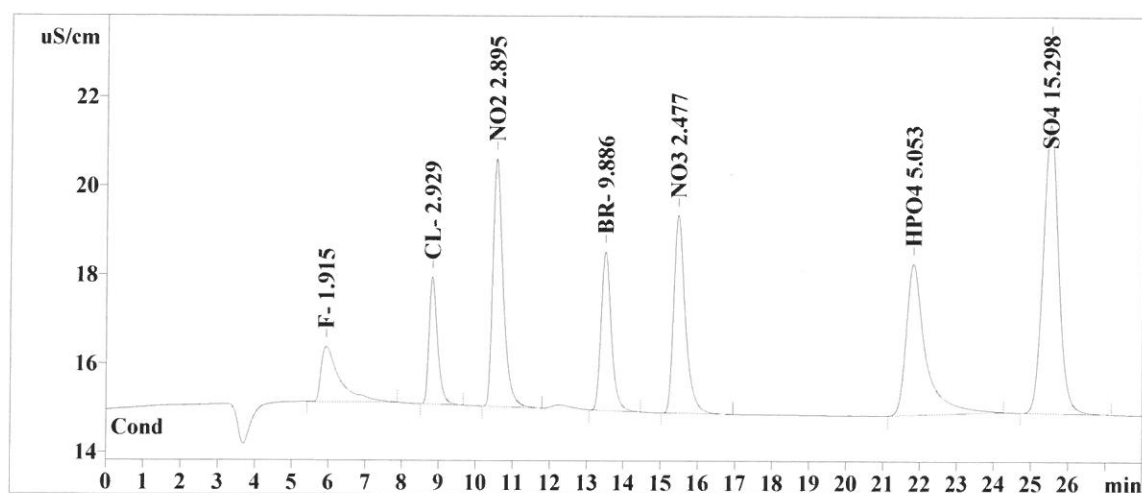
Ident: LB94663BSS
Analysis from: 4/16/2018 6:43:19 PM
File: _2018-04-16_

Last save: 4/17/2018 10:01:22 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61926

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.00g
AK/AP
Vial number: 26
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	0.461	1.24	4.50	43.818	6.43	0.
2	8.81	0.242	2.86	10.38	46.418	6.82	0.
3	10.54	0.285	5.57	20.19	107.638	15.81	0.
4	13.49	0.294	3.57	12.95	69.965	10.27	0.
5	15.45	0.329	4.45	16.13	99.034	14.54	0.
6	21.81	0.481	3.40	12.32	125.495	18.43	0.
7	25.50	0.438	6.49	23.51	188.587	27.69	0.
7	28.00	0.361	27.58	99.99	680.956	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:01:34 AM
Printed by: wet

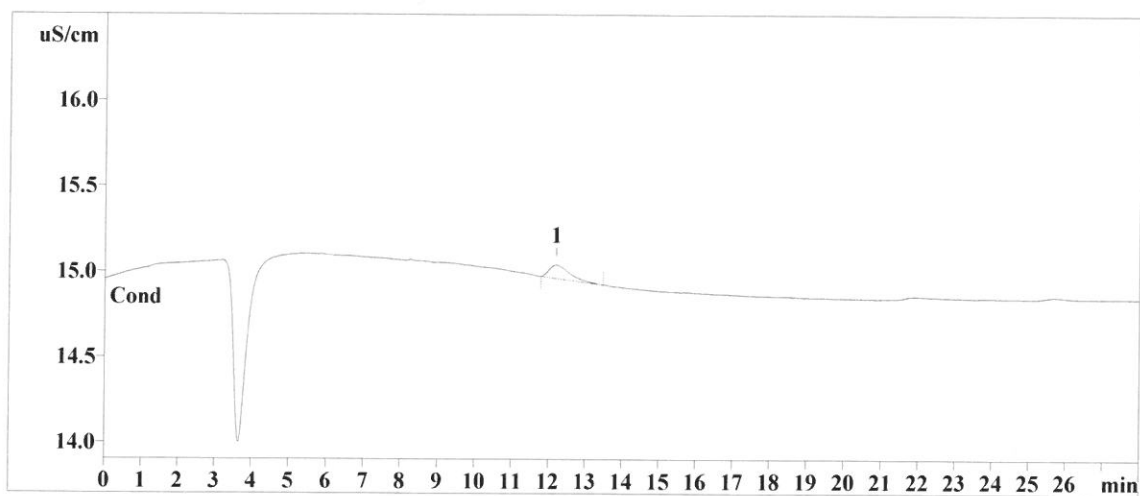
Ident: LB94663BLS
Analysis from: 4/16/2018 7:14:14 PM
File: _2018-04-16_

Last save: 4/17/2018 9:57:44 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61927

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.01g
: AK/AP
Vial number: 27
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	28.00	0.000	0.00	0.00	0.000	0.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 9:53:03 AM
Printed by: wet

Ident: J2133-01 ~~Q-25~~
Analysis from: 4/16/2018 7:45:08 PM
File: _2018-04-16_

Last save: 4/16/2018 8:12:58 PM

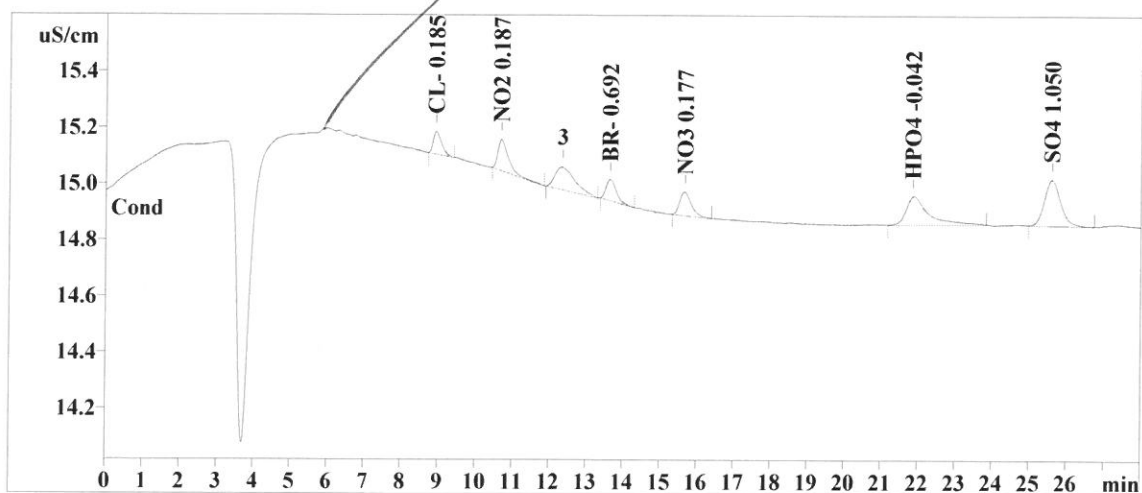
Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61928

Last save: 3/28/2018 6:04:32 PM

SAMPLE:

: AK/AP
Vial number: 28
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before Peak was not integrated by software for F.
AK 4-17-18 AK



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	0.242	0.08	11.53	1.276	6.60	0.
3	10.69	0.291	0.11	15.74	2.216	11.45	0.
4	13.64	0.296	0.08	10.86	1.483	7.67	0.
5	15.65	0.337	0.08	12.03	1.891	9.77	0.
6	21.88	0.536	0.10	14.52	4.436	22.92	0.
7	25.60	0.461	0.16	23.28	5.013	25.91	0.
7	28.00	0.309	0.62	87.96	16.316	84.31	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 9:54:52 AM
Printed by: wet

Ident: J2133-01 0.25
Analysis from: 4/16/2018 7:45:08 PM
File: _2018-04-16_

Last save: 4/17/2018 9:54:44 AM

Manual peaks!

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61928

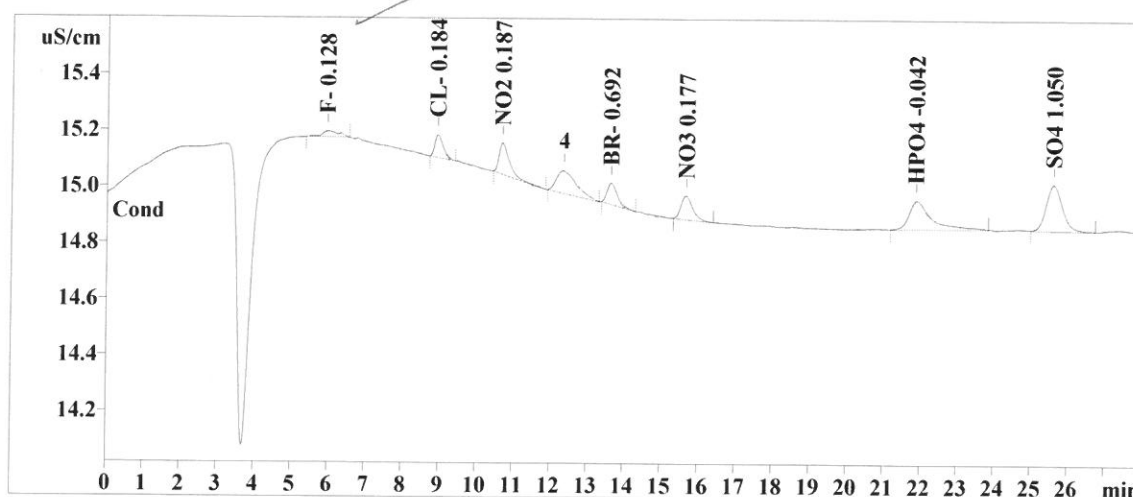
Last save: 3/28/2018 6:04:32 PM

SAMPLE:

: AK/AP
Vial number: 28
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

After

AD
4-17-18 AD



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.95	0.567	0.02	2.80	0.633	3.17	0.
2	8.93	0.242	0.08	11.22	1.276	6.38	0.
3	10.69	0.291	0.11	15.31	2.216	11.09	0.
4	13.64	0.296	0.08	10.57	1.483	7.42	0.
5	15.65	0.337	0.08	11.71	1.891	9.46	0.
6	21.88	0.536	0.10	14.13	4.436	22.20	0.
7	25.60	0.461	0.16	22.65	5.013	25.09	0.
7	28.00	0.390	0.64	88.40	16.948	84.83	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:02:39 AM
Printed by: wet

Ident: J2133-03
Analysis from: 4/16/2018 8:16:03 PM
File: _2018-04-16_

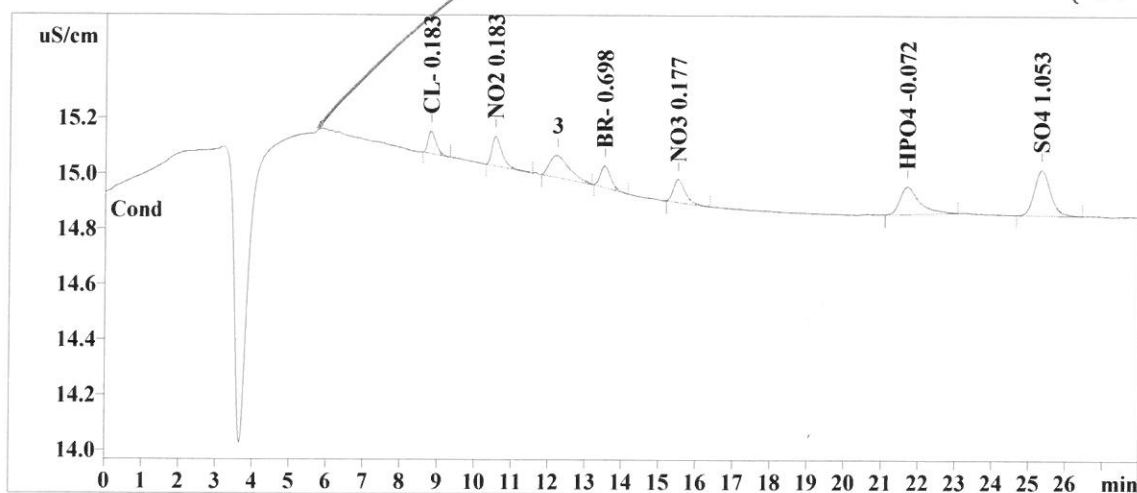
Last save: 4/17/2018 9:59:20 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61929

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.00g
: AK/AP
Vial number: 28
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before a peak was not integrated by software
AK
4-17-18 AK



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	8.79	0.238	0.08	11.68	1.258	6.80	0.
3	10.55	0.277	0.11	15.36	2.041	11.02	0.
4	13.51	0.302	0.08	11.07	1.523	8.23	0.
5	15.50	0.340	0.08	12.02	1.905	10.29	0.
6	21.68	0.518	0.10	14.27	3.732	20.16	0.
7	25.33	0.462	0.16	23.58	5.055	27.30	0.
7	28.00	0.305	0.61	87.96	15.515	83.79	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:03:19 AM
Printed by: wet

Ident: J2133-03
Analysis from: 4/16/2018 8:16:03 PM
File: _2018-04-16_

Last save: 4/17/2018 10:03:12 AM

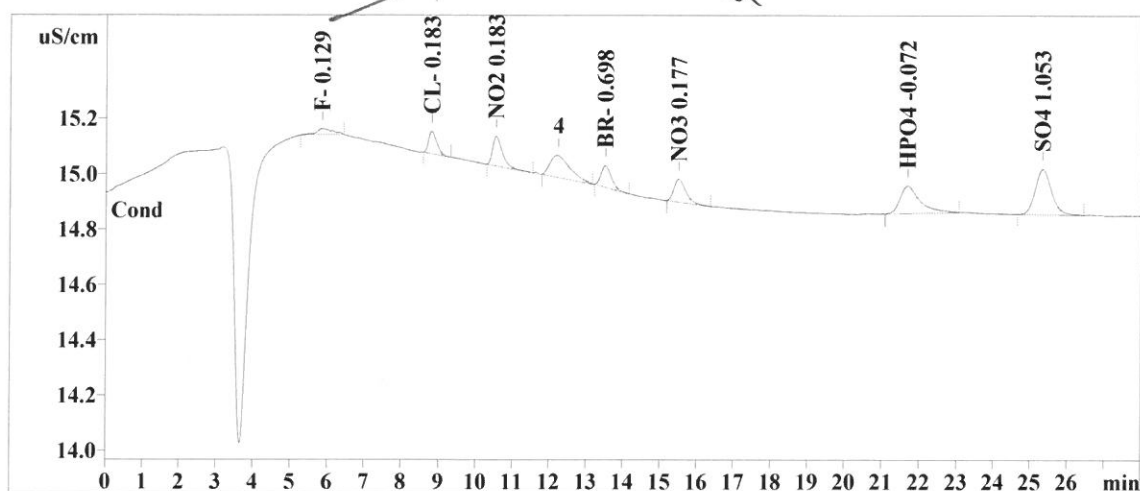
Manual peaks!

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61929

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.00g
AK/AP
Vial number: 28
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

After AG 4-17-18 AG



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.83	0.454	0.02	2.97	0.639	3.34	0.
2	8.79	0.238	0.08	11.33	1.258	6.57	0.
3	10.55	0.277	0.11	14.90	2.041	10.65	0.
4	13.51	0.302	0.08	10.74	1.523	7.95	0.
5	15.50	0.340	0.08	11.66	1.905	9.95	0.
6	21.68	0.518	0.10	13.84	3.732	19.49	0.
7	25.33	0.462	0.16	22.87	5.055	26.39	0.
7	28.00	0.370	0.63	88.30	16.154	84.33	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:03:38 AM
Printed by: wet

Ident: J2133-01
Analysis from: 4/16/2018 8:46:57 PM
File: _2018-04-16_

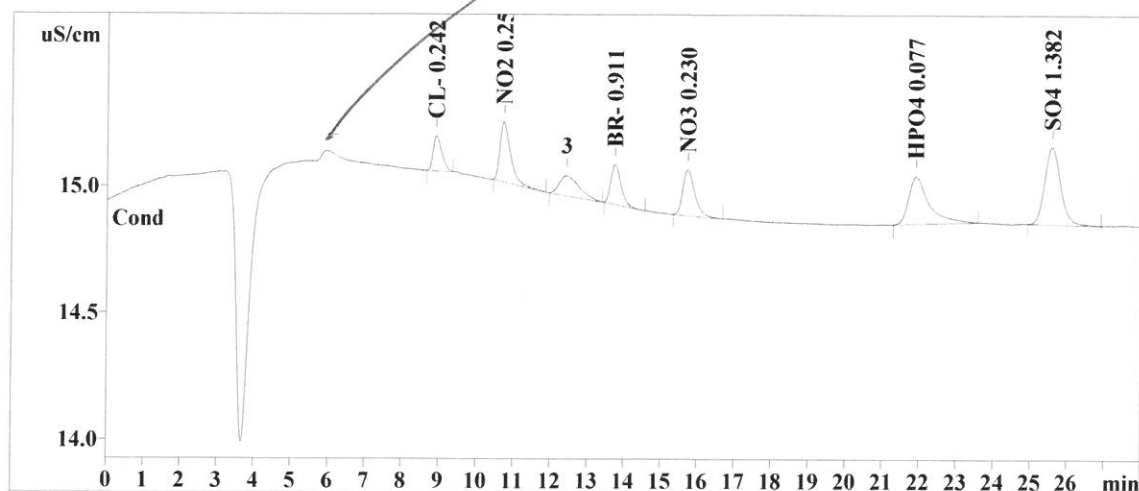
Last save: 4/17/2018 9:59:20 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61930

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.02g
AK/AP
Vial number: 29
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before F peak was not integrated by software.
AK 4-17-18



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	0.248	0.14	10.65	2.224	6.57	0.
3	10.72	0.288	0.24	18.34	4.740	14.01	0.
4	13.73	0.300	0.16	12.19	3.112	9.20	0.
5	15.72	0.341	0.18	14.03	4.131	12.21	0.
6	21.90	0.518	0.19	14.58	7.282	21.53	0.
7	25.57	0.457	0.30	23.61	9.288	27.46	0.
7	28.00	0.308	1.20	93.41	30.777	90.98	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:04:02 AM
Printed by: wet

Ident: J2133-01
Analysis from: 4/16/2018 8:46:57 PM
File: _2018-04-16_

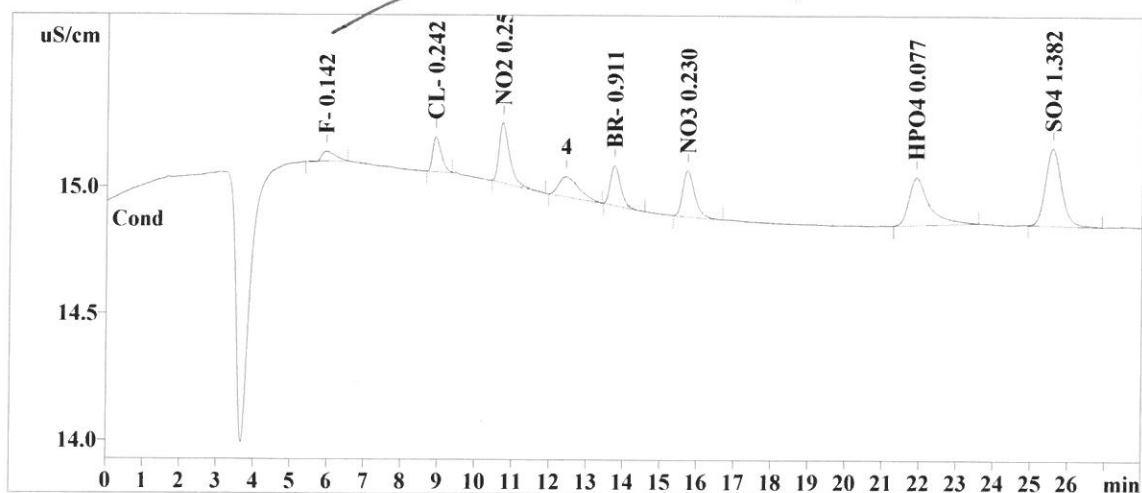
Last save: 4/17/2018 10:03:58 AM

Manual peaks!

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61930

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.02g
AK/AP
Vial number: 29
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	5.94	0.416	0.04	2.88	0.959	2.76	0.
2	8.91	0.248	0.14	10.35	2.224	6.39	0.
3	10.72	0.288	0.24	17.82	4.740	13.63	0.
4	13.73	0.300	0.16	11.84	3.112	8.95	0.
5	15.72	0.341	0.18	13.63	4.131	11.88	0.
6	21.90	0.518	0.19	14.17	7.282	20.93	0.
7	25.57	0.457	0.30	22.94	9.288	26.70	0.
7	28.00	0.367	1.24	93.64	31.736	91.23	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:04:32 AM
Printed by: wet

Ident: J2133-03
Analysis from: 4/16/2018 9:17:51 PM
File: _2018-04-16_

Last save: 4/17/2018 9:59:20 AM

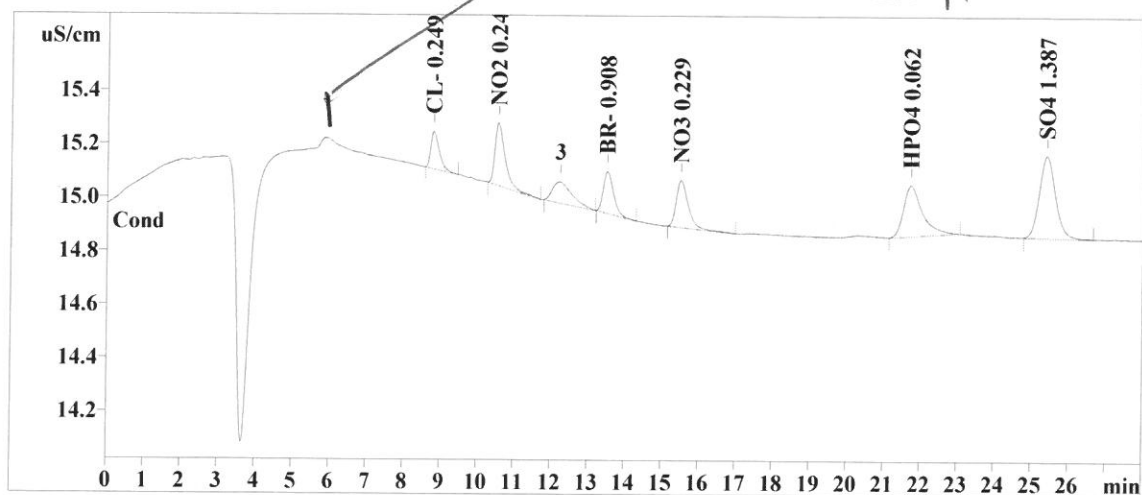
Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61931

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.03g
AK/AP
Vial number: 29
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

Before F peak was not integrated by software

AK
4-17-18 AK



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	8.79	0.248	0.14	10.94	2.332	7.00	0.
3	10.55	0.281	0.23	18.15	4.575	13.74	0.
4	13.52	0.300	0.16	12.11	3.090	9.28	0.
5	15.50	0.342	0.18	13.67	4.107	12.33	0.
6	21.73	0.507	0.19	14.81	6.916	20.77	0.
7	25.40	0.459	0.31	23.84	9.357	28.10	0.
7	28.00	0.305	1.21	93.52	30.376	91.22	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:05:00 AM
Printed by: wet

Ident: J2133-03
Analysis from: 4/16/2018 9:17:51 PM
File: _2018-04-16_

Last save: 4/17/2018 10:04:48 AM

Manual peaks!

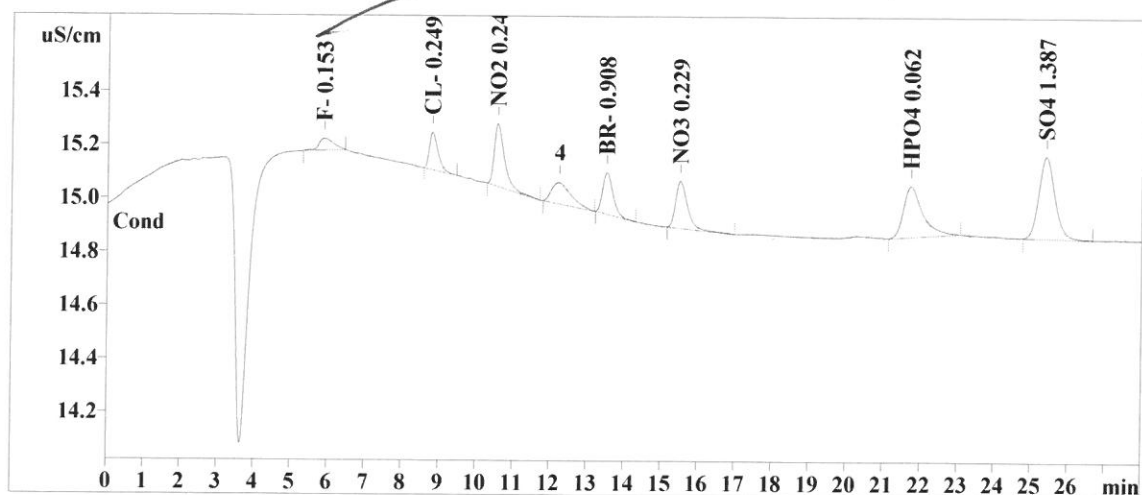
Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61931

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.03g
AK/AP
Vial number: 29
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000

After

Ab
4-17-18



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.89	0.426	0.04	3.29	1.229	3.56	0.
2	8.79	0.248	0.14	10.58	2.332	6.75	0.
3	10.55	0.281	0.23	17.56	4.575	13.25	0.
4	13.52	0.300	0.16	11.71	3.090	8.95	0.
5	15.50	0.342	0.18	13.22	4.107	11.89	0.
6	21.73	0.507	0.19	14.32	6.916	20.03	0.
7	25.40	0.459	0.31	23.06	9.357	27.10	0.
7	28.00	0.366	1.25	93.74	31.605	91.53	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:05:14 AM
Printed by: wet

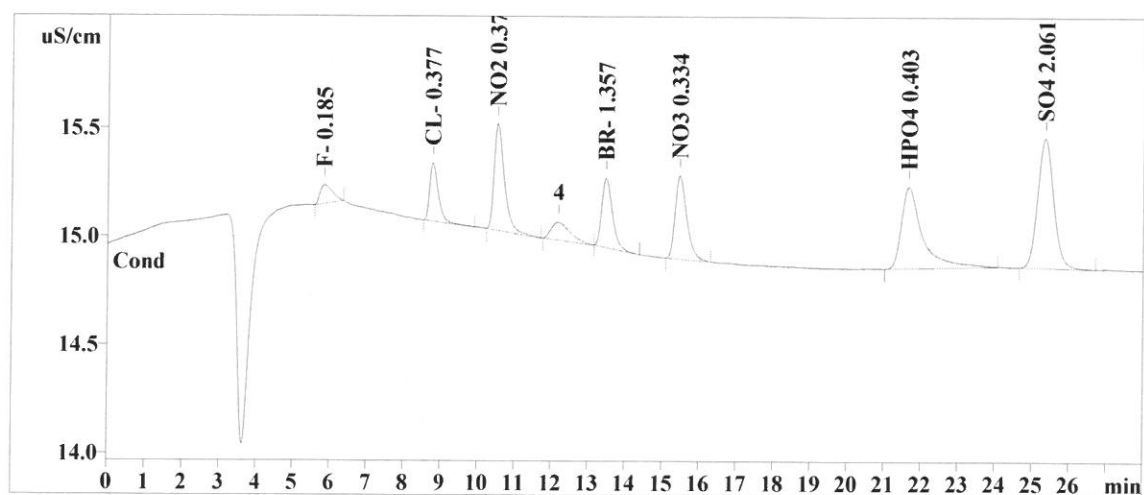
Ident: J2133-02
Analysis from: 4/16/2018 9:48:46 PM
File: _2018-04-16_

Last save: 4/17/2018 9:59:20 AM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61932

Last save: 3/28/2018 6:04:32 PM

SAMPLE: 5.00g
: AK/AP
Vial number: 30
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	0.380	0.09	3.27	1.999	2.99	0.
2	8.77	0.246	0.27	10.26	4.442	6.64	0.
3	10.53	0.281	0.49	18.77	9.493	14.19	0.
4	13.47	0.305	0.32	12.28	6.438	9.62	0.
5	15.46	0.334	0.38	14.72	8.548	12.78	0.
6	21.66	0.508	0.38	14.40	15.014	22.44	0.
7	25.33	0.456	0.60	22.96	18.039	26.96	0.
7	28.00	0.359	2.52	96.65	63.973	95.62	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:05:27 AM
Printed by: wet

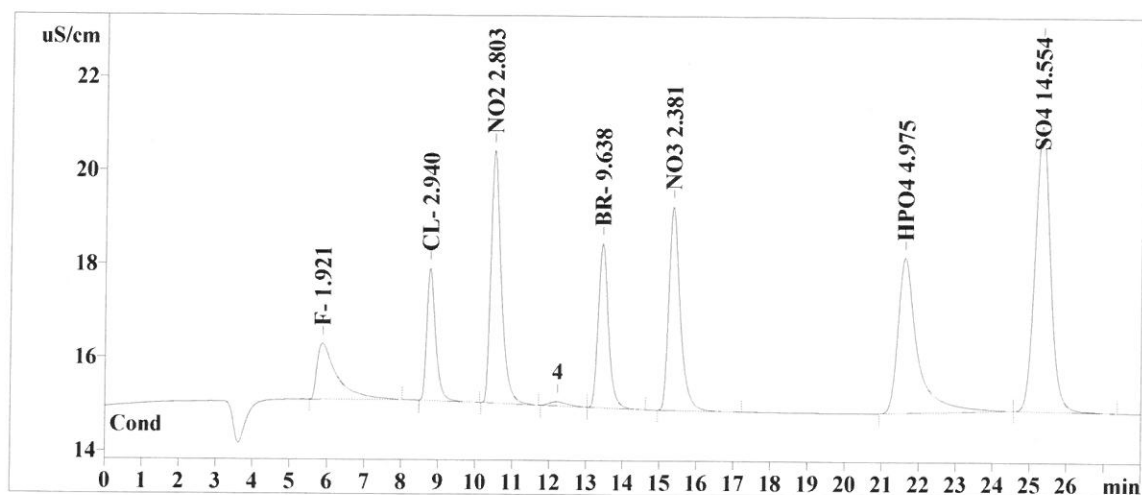
Ident: CCV
Analysis from: 4/16/2018 10:19:40 PM
File: _2018-04-16_

Last save: 4/16/2018 10:47:30 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61933

Last save: 3/28/2018 6:04:32 PM

SAMPLE:
: AK/AP
Vial number: 41
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	0.488	1.19	4.46	43.981	6.63	0.
2	8.76	0.243	2.82	10.55	46.605	7.02	0.
3	10.49	0.284	5.40	20.15	104.063	15.69	0.
4	13.42	0.291	3.51	13.09	68.117	10.27	0.
5	15.34	0.321	4.34	16.23	94.983	14.32	0.
6	21.61	0.476	3.32	12.40	123.649	18.64	0.
7	25.31	0.441	6.10	22.78	179.008	26.98	0.
7	28.00	0.364	26.68	99.66	660.406	99.54	0.

This report has been created by IC Net
METROHM LTD

Report date: 4/17/2018 10:05:37 AM
Printed by: wet

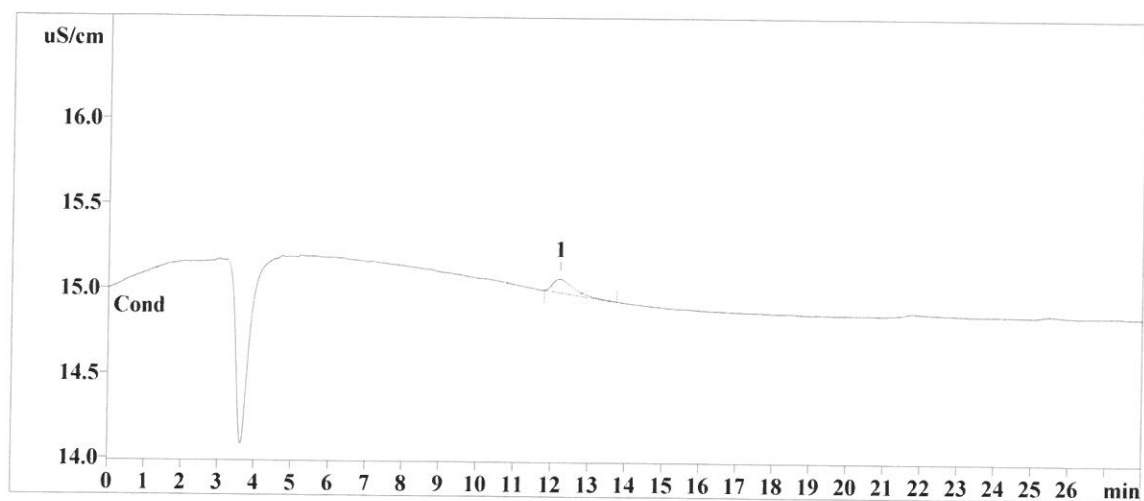
Ident: CCB
Analysis from: 4/16/2018 10:50:36 PM
File: _2018-04-16_

Last save: 4/16/2018 11:18:24 PM

Method: ANIONS 03-19-18.mtw
Run operator: wet
Analysis number: 61934

Last save: 3/28/2018 6:04:32 PM

SAMPLE:
: AK/AP
Vial number: 42
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	28.00	0.000	0.00	0.00	0.000	0.00	0.

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