

TC-4 300.0

01-06-2020
AD

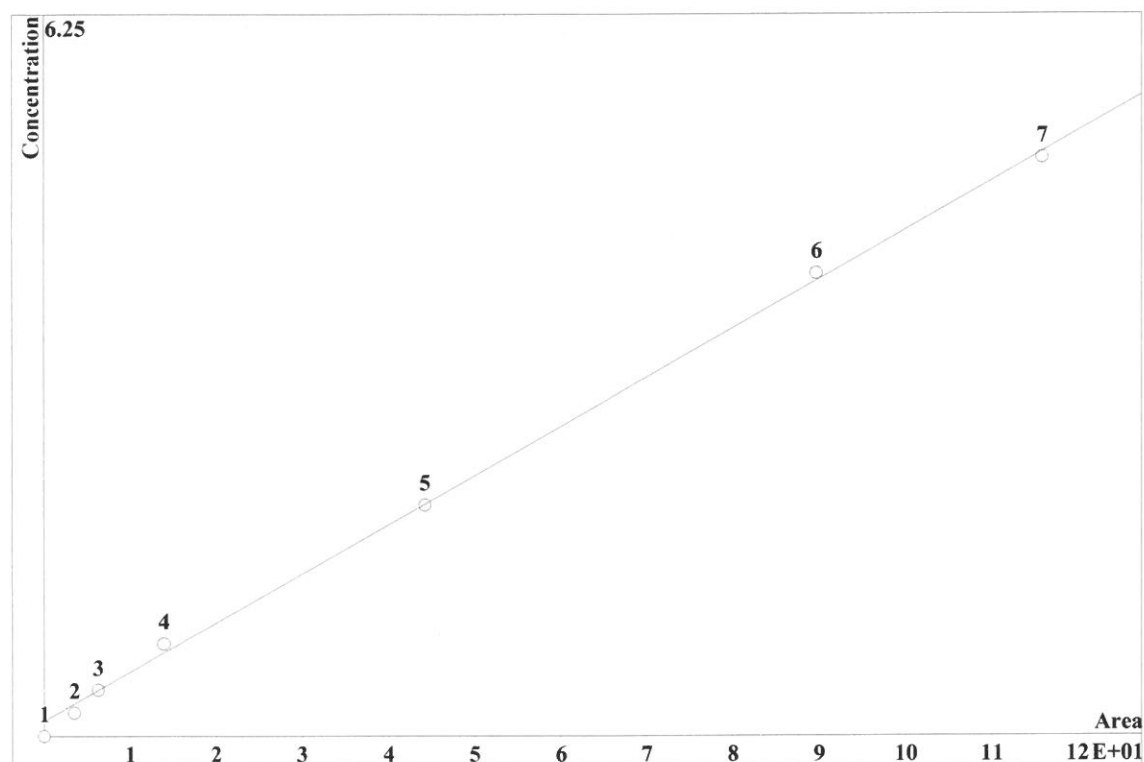
Clear table

ident	concentra tion F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final Vol	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-31_	12/31/19 16:32		AK/AP
STD2	0.2810	0.3870	0.3870	1.3230	0.3280	0.3900	2.0220	2019-12-31_	12/31/19 17:03		AK/AP
STD3	0.3990	0.6510	0.6400	2.1420	0.5370	1.0360	3.2860	2019-12-31_	12/31/19 17:35		AK/AP
STD4	0.7230	1.2120	1.2030	4.0190	1.0000	2.1330	5.9360	2019-12-31_	12/31/19 18:06		AK/AP
STD5	2.0070	2.8350	2.8410	9.3980	2.3510	4.9310	13.9010	2019-12-31_	12/31/19 18:37		AK/AP
STD6	3.9380	5.8500	5.9030	19.6770	4.9360	10.0300	29.9710	2019-12-31_	12/31/19 19:09		AK/AP
STD7	5.0520	7.6650	7.6260	25.4400	6.3480	12.4810	37.8840	2019-12-31_	12/31/19 19:40		AK/AP
ICV	2.0680	2.9280	2.9500	9.8080	2.4330	5.0420	14.4210	2019-12-31_	12/31/19 20:12		AK/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-12-31_	12/31/19 20:43		AK/AP
CCV	2.0000	2.8370	2.7990	9.2950	2.3080	4.4990	13.7510	2020-01-06_	1/6/20 10:37		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-01-06_	1/6/20 11:08		AK/AP
LB107039BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-01-06_	1/6/20 11:39		AK/AP
LB107039BSW	1.9560	2.8110	2.8370	9.3160	2.3120	4.6620	13.7280	2020-01-06_	1/6/20 12:10		AK/AP
L1033-01	0.0000	0.1460	0.0000	0.0000	0.4300	0.0000	0.7630	2020-01-06_	1/6/20 12:42		AK/AP
L1033-02	0.0000	0.2650	0.0000	0.0000	0.2680	0.0000	0.0000	2020-01-06_	1/6/20 13:13		AK/AP
L1035-01	0.3960	603.5280	1.4520	1.0340	0.6800	0.7490	41.7640	2020-01-06_	1/6/20 13:44		AK/AP
L1033-02DUP	0.0000	0.2870	0.0000	0.0000	0.2730	0.0000	0.0000	2020-01-06_	1/6/20 14:15		AK/AP
L1033-02MS	1.9940	2.9700	2.9010	9.5970	2.5710	4.7880	14.1750	2020-01-06_	1/6/20 14:45		AK/AP
L1033-02MSD	1.9560	2.9000	2.8320	9.3630	2.5180	4.5250	13.7890	2020-01-06_	1/6/20 15:16		AK/AP
CCV	1.9740	2.8090	2.8310	9.3670	2.3730	4.8390	13.8700	2020-01-06_	1/6/20 15:47		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2020-01-06_	1/6/20 16:19		AK/AP

IC-1 cal
12-31-2019
no

CALIBRATION OF COMPONENT F-

Method: ANIONS 12-31-19.mtw
Equation: $Q = 0.849336 \cdot A + 2.61321$
RSD: 3.341 %
Correlation coefficient: 0.999528



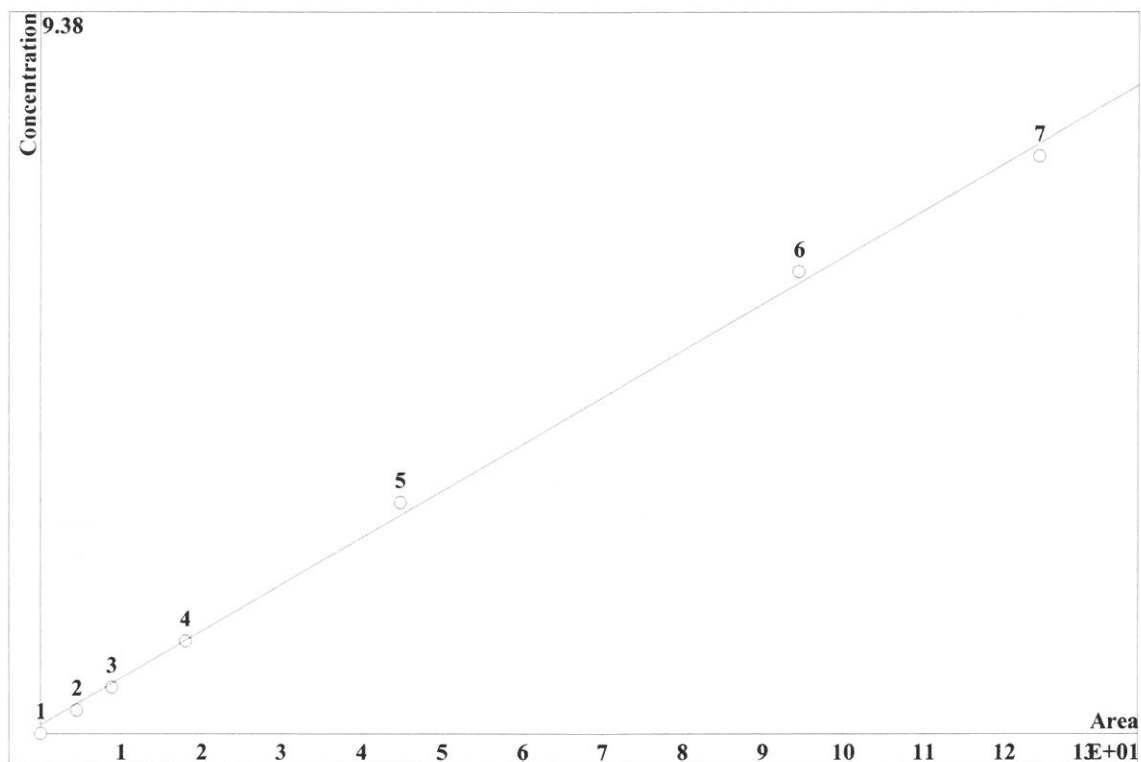
K3 = 0 K2 = 0 K1 = 0.849336 K0 = 2.61321

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	0.1896	3.546	0.2	20	5.773			Yes
3	0.3575	6.311	0.4	20	5.773			Yes
4	0.7865	13.95	0.8	20	5.773			Yes
5	2.217	44.17	2	20	5.773			Yes
6	4.506	89.66	4	20	5.773			Yes
7	5.805	115.9	5	20	5.773			Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 12-31-19.mtw
 Equation: $Q = 1.21528 \cdot A + 2.27388$
 RSD: 4.777 %
 Correlation coefficient: 0.999035



K3 = 0 K2 = 0 K1 = 1.21528 K0 = 2.27388

Base: Area

Ref.channel: Cond

ISTD:

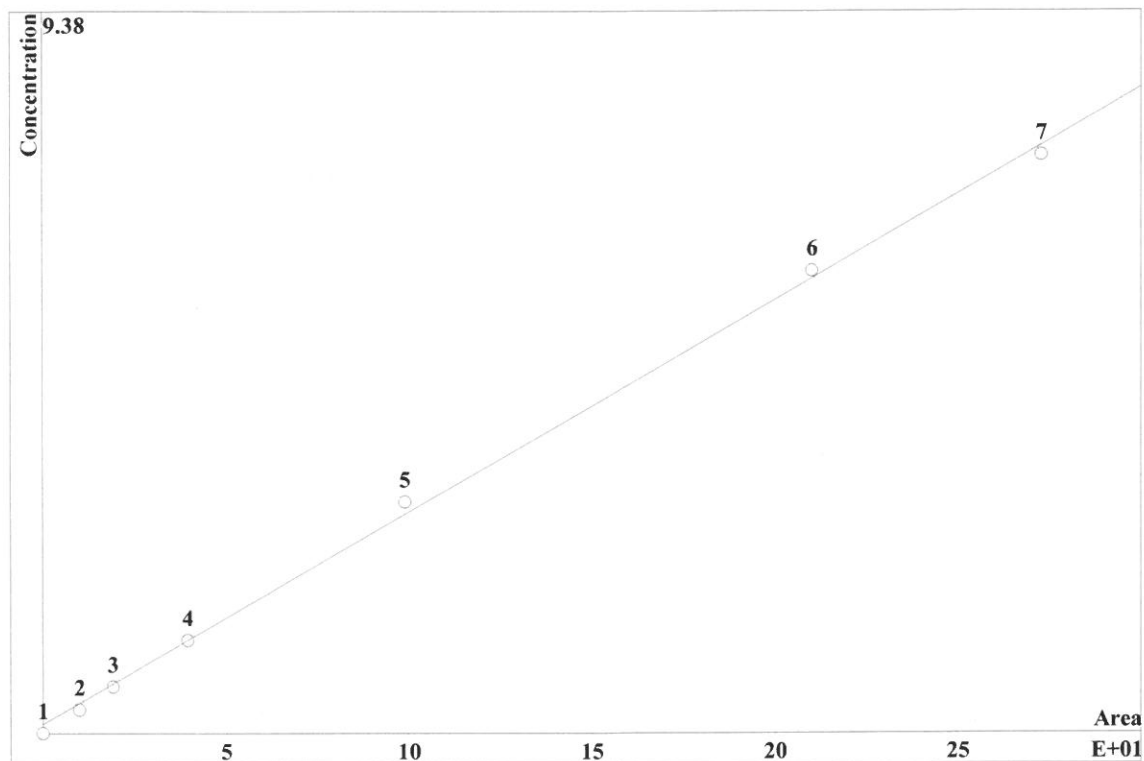
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.4175	4.504	0.3	20	9.479		Yes
3	0.8278	8.847	0.6	20	9.479		Yes
4	1.691	18.07	1.2	20	9.479		Yes
5	4.299	44.78	3	20	9.479		Yes
6	9.271	94.4	6	20	9.479		Yes
7	12.25	124.3	7.5	20	9.479		Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 12-31-19.mtw
 Equation: $Q = 0.550657 \cdot A + 2.33469$
 RSD: 3.952 %
 Correlation coefficient: 0.999340



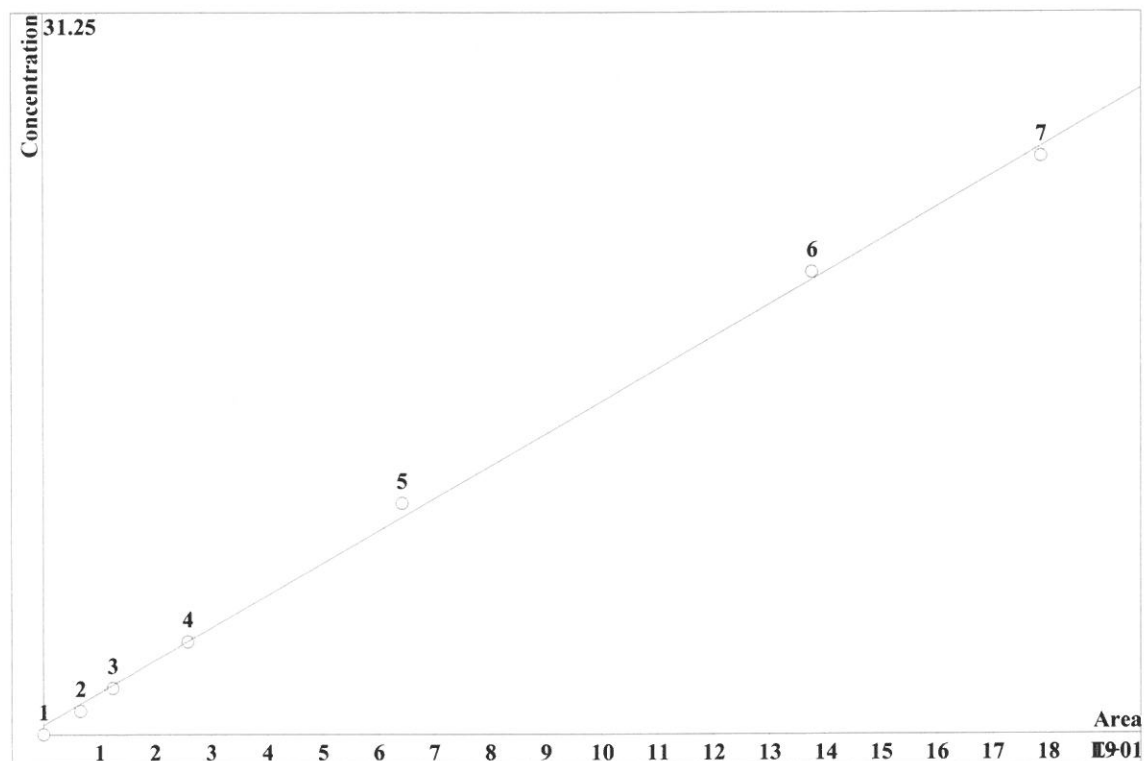
K3 = 0 K2 = 0 K1 = 0.550657 K0 = 2.33469

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	0.676	9.809	0.3	20	12.05	Yes	
3	1.337	19.02	0.6	20	12.05	Yes	
4	2.717	39.46	1.2	20	12.05	Yes	
5	6.63	98.93	3	20	12.05	Yes	
6	13.43	210.1	6	20	12.05	Yes	
7	17.04	272.8	7.5	20	12.05	Yes	

CALIBRATION OF COMPONENT BR-

Method: ANIONS 12-31-19.mtw
 Equation: $Q = 2.80317 \cdot A + 7.95413$
 RSD: 4.288 %
 Correlation coefficient: 0.999223



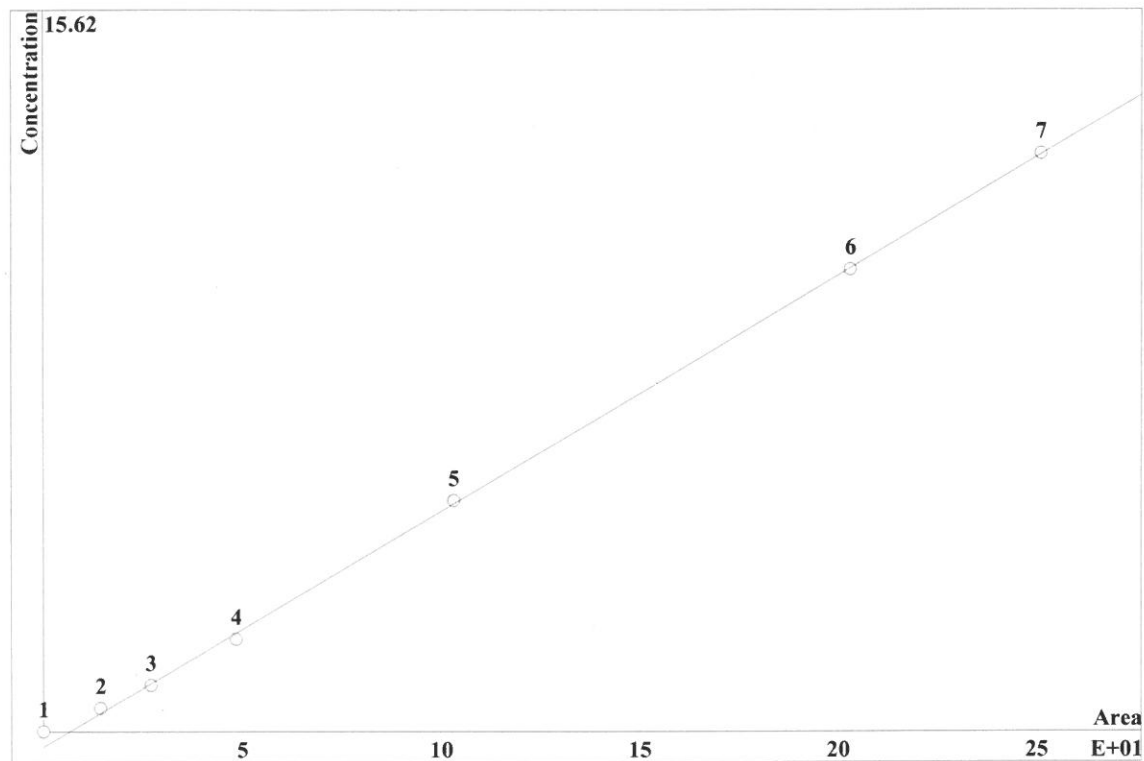
K3 = 0 K2 = 0 K1 = 2.80317 K0 = 7.95413

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	0.3842	6.604	1	20	14.2			Yes
3	0.7716	12.44	2	20	14.2			Yes
4	1.601	25.84	4	20	14.2			Yes
5	4.133	64.22	10	20	14.2			Yes
6	9.046	137.6	20	20	14.2			Yes
7	11.97	178.7	25	20	14.2			Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 12-31-19.mtw
 Equation: $Q = 1.02048 \cdot A - 6.70236$
 RSD: 1.864 %
 Correlation coefficient: 0.999853



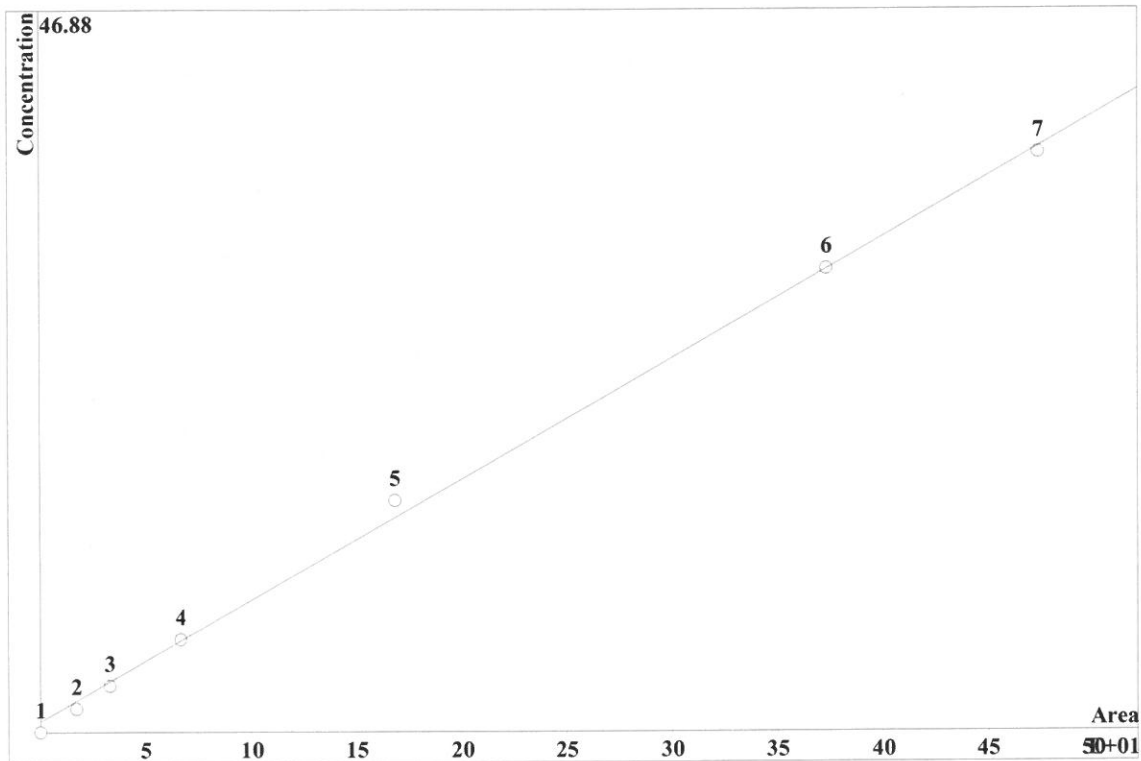
K3 = 0 K2 = 0 K1 = 1.02048 K0 = -6.70236

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	0.4246	14.21	0.5	20	22.65			Yes
3	0.8212	26.87	1	20	22.65			Yes
4	1.561	48.36	2	20	22.65			Yes
5	3.553	103.2	5	20	22.65			Yes
6	7.032	203.1	10	20	22.65			Yes
7	9.06	251.2	12.5	20	22.65			Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 12-31-19.mtw
 Equation: $Q = 1.5696 \cdot A + 13.8003$
 RSD: 4.223 %
 Correlation coefficient: 0.999246



K3 = 0 K2 = 0 K1 = 1.5696 K0 = 13.8003
 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	0.6561	16.98	1.5	20	26.38			Yes
3	1.298	33.08	3	20	26.38			Yes
4	2.651	66.84	6	20	26.38			Yes
5	6.794	168.3	15	20	26.38			Yes
6	14.79	373.1	30	20	26.38			Yes
7	19.4	473.9	37.5	20	26.38			Yes

IC-1 cal

12-31-2019

Report date: 1/2/2020 9:53:48 AM
Printed by: wet

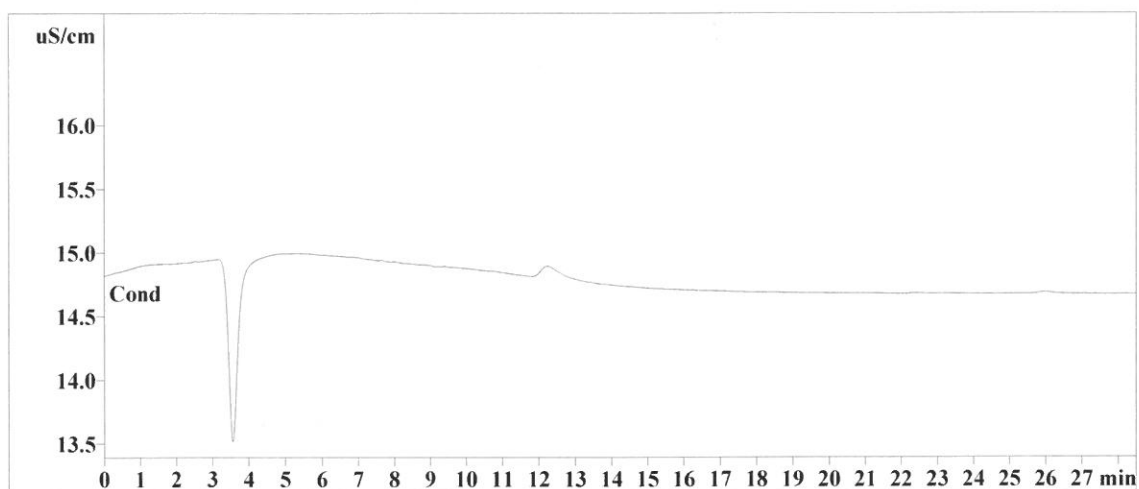
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Analysis from: 12/31/2019 4:32:20 PM
File: _2019-12-31_

Last save: 1/2/2020 8:49:56 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69401

Last save: 12/31/2019 7:37:40 PM

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



Quantitation method: Custom

No peaks

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Report date: 1/2/2020 9:54:02 AM
Printed by: wet

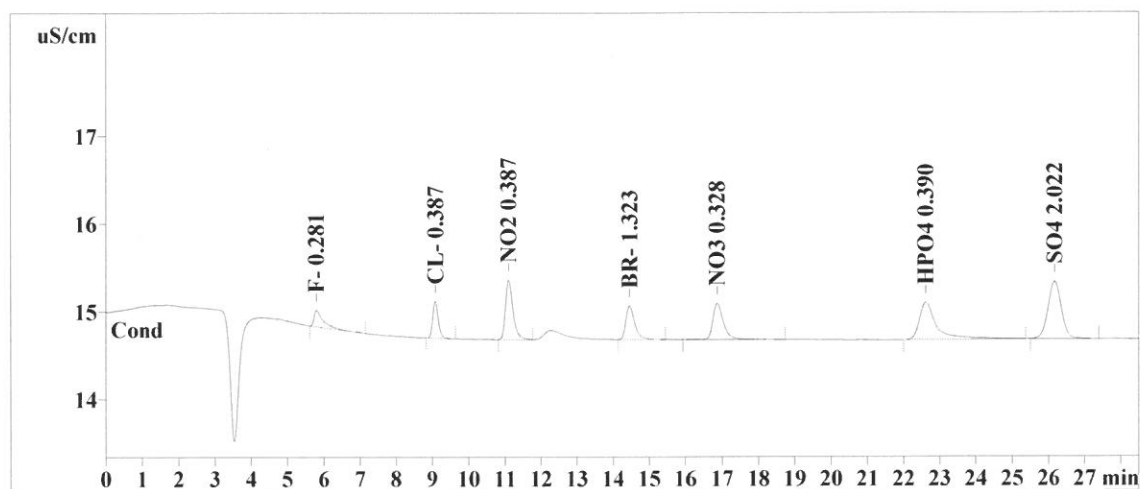
Ident: STD2
Analysis from: 12/31/2019 5:03:45 PM
File: _2019-12-31_

Last save: 1/2/2020 8:49:56 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69402

Last save: 12/31/2019 7:37:40 PM

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	5.79	0.230	0.19	5.99	3.546	5.54	0.
2	9.08	0.161	0.42	13.19	4.504	7.04	0.
3	11.09	0.213	0.68	21.37	9.809	15.33	0.
4	14.46	0.252	0.38	12.16	6.604	10.32	0.
5	16.86	0.288	0.41	13.04	8.335	13.03	0.
6	22.62	0.414	0.42	13.42	14.208	22.21	0.
7	26.17	0.393	0.66	20.75	16.977	26.53	0.
7	28.50	0.279	3.16	99.93	63.984	100.00	0.

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Report date: 1/2/2020 9:54:09 AM
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Ident: STD3
Analysis from: 12/31/2019 5:35:09 PM
File: _2019-12-31_

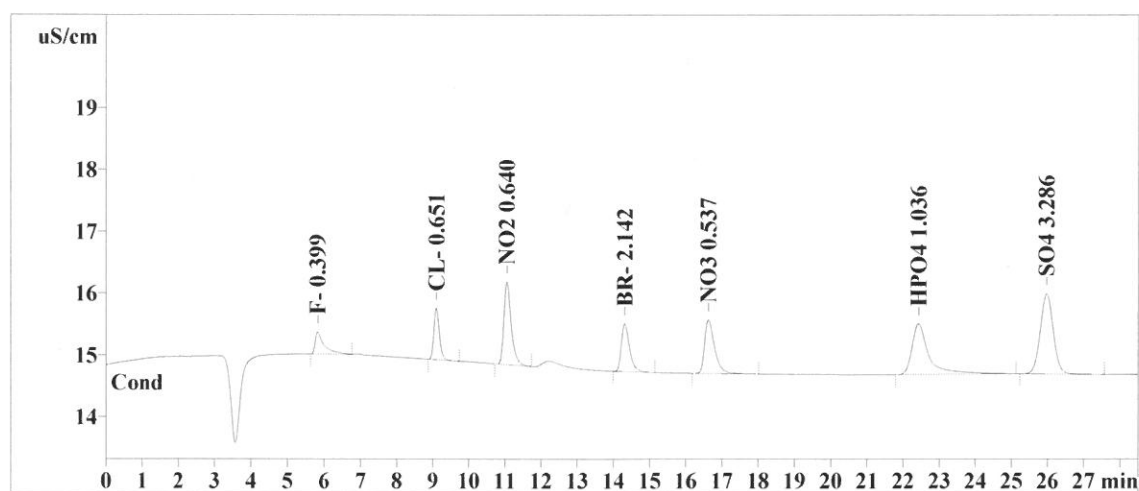
Last save: 1/2/2020 8:49:58 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69403

Last save: 12/31/2019 7:37:40 PM

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	5.82	0.216	0.36	5.68	6.311	5.12	0.
2	9.09	0.159	0.83	13.18	8.847	7.17	0.
3	11.05	0.207	1.34	21.27	19.020	15.42	0.
4	14.31	0.239	0.77	12.29	12.443	10.09	0.
5	16.62	0.283	0.87	13.80	16.780	13.60	0.
6	22.42	0.414	0.82	13.08	26.867	21.78	0.
7	25.98	0.388	1.30	20.66	33.079	26.82	0.
7	28.50	0.272	6.28	99.95	123.346	100.00	0.

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Report date: 1/2/2020 9:54:16 AM
Printed by: wet

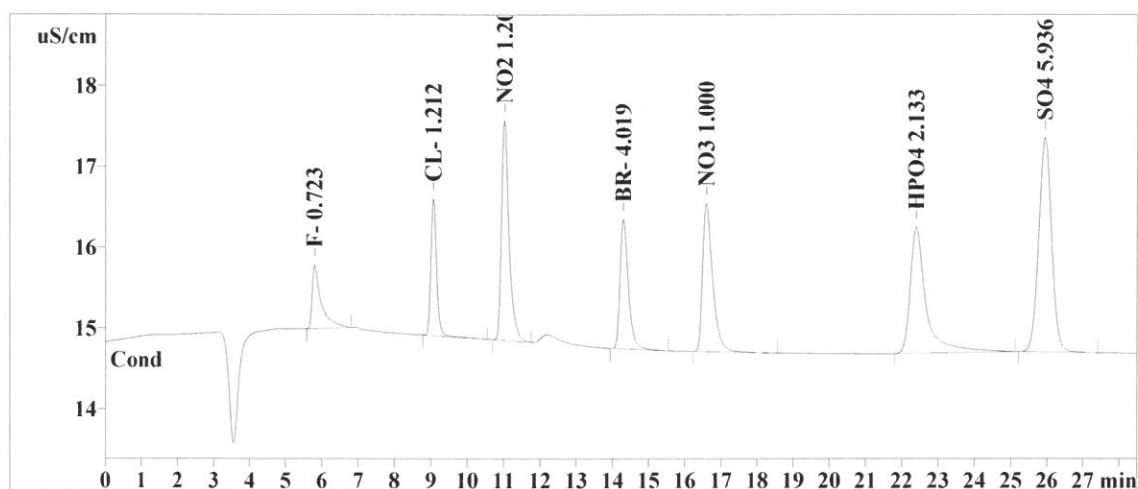
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Analysis from: 12/31/2019 6:06:33 PM
File: _2019-12-31_

Last save: 1/2/2020 8:49:58 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69404

Last save: 12/31/2019 7:37:40 PM

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	5.79	0.219	0.79	6.13	13.951	5.63	0.
2	9.06	0.157	1.69	13.18	18.073	7.29	0.
3	11.01	0.209	2.72	21.16	39.456	15.91	0.
4	14.30	0.237	1.60	12.47	25.841	10.42	0.
5	16.59	0.283	1.83	14.25	35.435	14.29	0.
6	22.40	0.393	1.56	12.16	48.364	19.50	0.
7	25.94	0.385	2.65	20.65	66.843	26.96	0.
7	28.50	0.269	12.84	99.99	247.962	100.00	0.

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Report date: 1/2/2020 9:54:24 AM
Printed by: wet

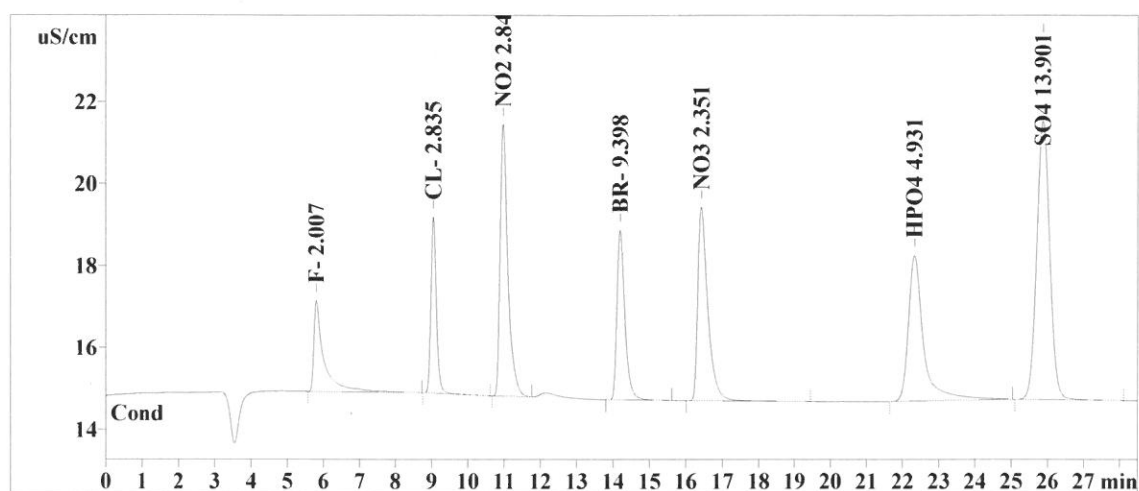
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Analysis from: 12/31/2019 6:37:58 PM
File: _2019-12-31_

Last save: 1/2/2020 8:49:58 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69405

Last save: 12/31/2019 7:37:40 PM

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	5.80	0.217	2.22	6.85	44.174	7.20	0.
2	9.05	0.154	4.30	13.29	44.777	7.30	0.
3	10.96	0.213	6.63	20.50	98.933	16.12	0.
4	14.19	0.229	4.13	12.78	64.217	10.47	0.
5	16.42	0.276	4.72	14.59	89.970	14.66	0.
6	22.32	0.378	3.55	10.99	103.200	16.82	0.
7	25.87	0.377	6.79	21.00	168.339	27.43	0.
7	28.50	0.263	32.34	100.00	613.610	100.00	0.

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Report date: 1/2/2020 9:54:32 AM
Printed by: wet

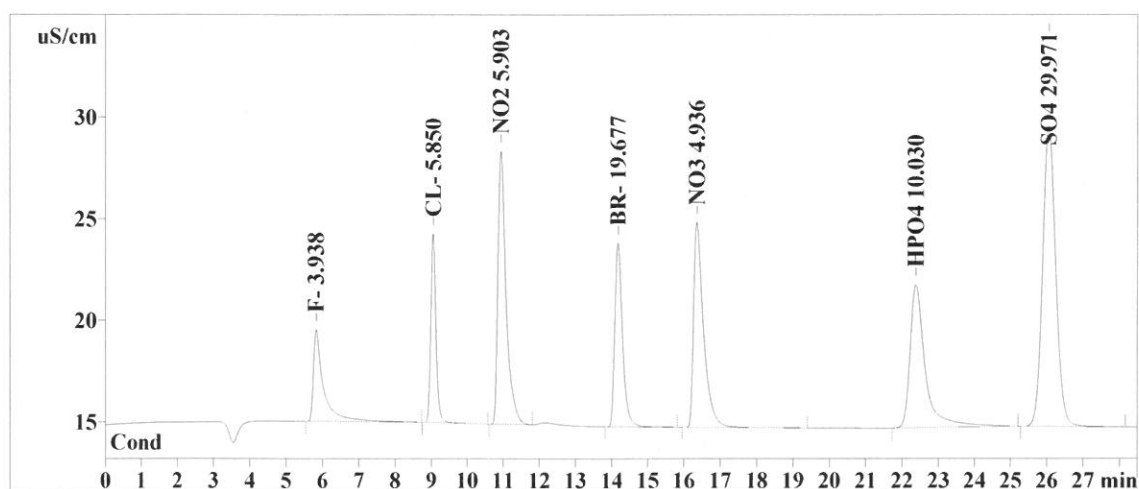
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File: _2019-12-31_

Last save: 1/2/2020 8:49:58 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69406

Last save: 12/31/2019 7:37:40 PM

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	5.82	0.225	4.51	6.61	89.663	6.89	0.
2	9.05	0.151	9.27	13.60	94.397	7.25	0.
3	10.93	0.223	13.43	19.70	210.145	16.14	0.
4	14.17	0.224	9.05	13.27	137.552	10.56	0.
5	16.35	0.276	10.09	14.80	194.245	14.92	0.
6	22.38	0.379	7.03	10.32	203.149	15.60	0.
7	26.05	0.383	14.79	21.70	373.099	28.65	0.
7	28.50	0.266	68.16	100.00	1302.249	100.00	0.

This report has been created by IC Net
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Report date: 1/2/2020 9:54:40 AM
Printed by: wet

Ident: STD7
Analysis from: 12/31/2019 7:40:46 PM
File: _2019-12-31_

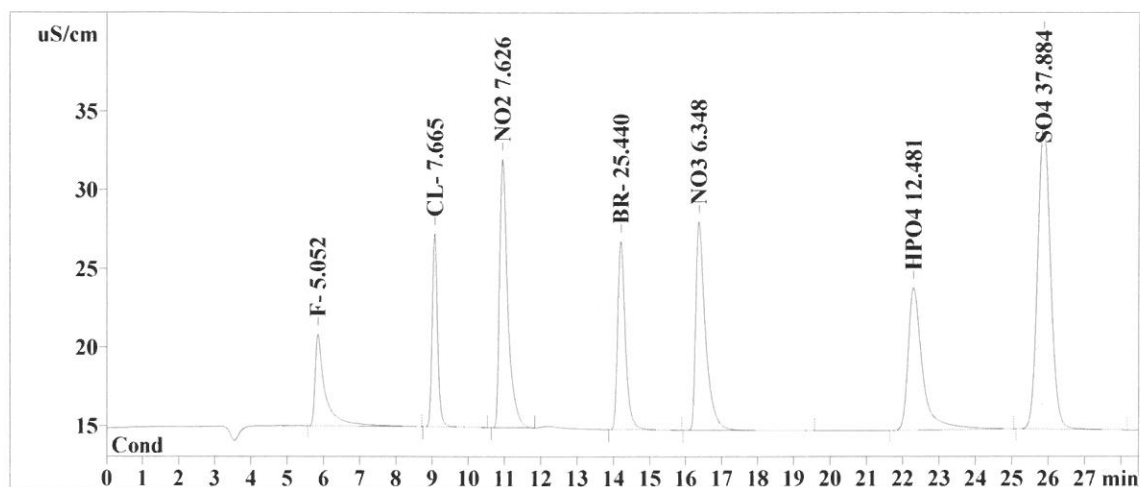
Last save: 1/2/2020 8:51:12 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69407

Last save: 12/31/2019 7:37:40 PM

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	5.84	0.231	5.80	6.54	115.887	6.95	0.
2	9.07	0.150	12.25	13.80	124.277	7.45	0.
3	10.93	0.228	17.04	19.20	272.755	16.35	0.
4	14.20	0.220	11.97	13.48	178.674	10.71	0.
5	16.36	0.272	13.23	14.91	251.240	15.06	0.
6	22.29	0.368	9.06	10.21	251.174	15.06	0.
7	25.86	0.371	19.39	21.85	473.923	28.41	0.
7	28.50	0.263	88.75	100.00	1667.929	100.00	0.

This report has been created by IC Net
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Report date: 1/2/2020 9:54:47 AM
Printed by: wet

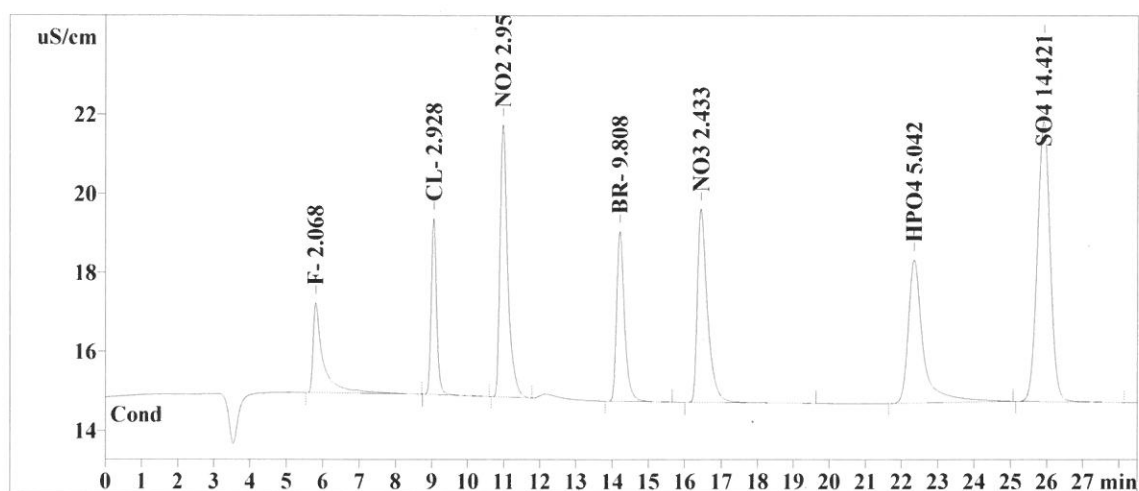
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Analysis from: 12/31/2019 8:12:11 PM
File: _2019-12-31_

Last save: 1/2/2020 8:51:12 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69408

Last save: 12/31/2019 7:37:40 PM

SAMPLE:
: AK/AP
Vial number: 9
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.80	0.220	2.27	6.79	45.625	7.18	0.
2	9.05	0.153	4.45	13.28	46.313	7.29	0.
3	10.96	0.213	6.89	20.55	102.919	16.19	0.
4	14.20	0.230	4.30	12.84	67.143	10.56	0.
5	16.43	0.276	4.89	14.58	93.274	14.67	0.
6	22.34	0.376	3.63	10.82	105.392	16.58	0.
7	25.90	0.376	7.08	21.14	174.960	27.53	0.
7	28.50	0.263	33.51	100.00	635.625	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/2/2020 9:54:55 AM
Printed by: wet

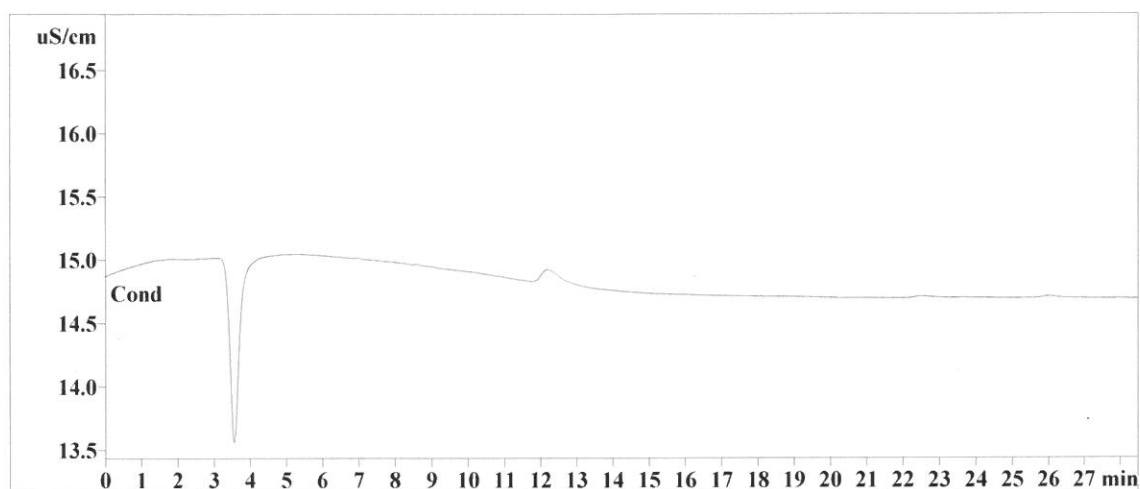
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File: _2019-12-31_

Last save: 1/2/2020 8:51:12 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69409

Last save: 12/31/2019 7:37:40 PM

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



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 1/6/2020 5:04:37 PM
Printed by: wet

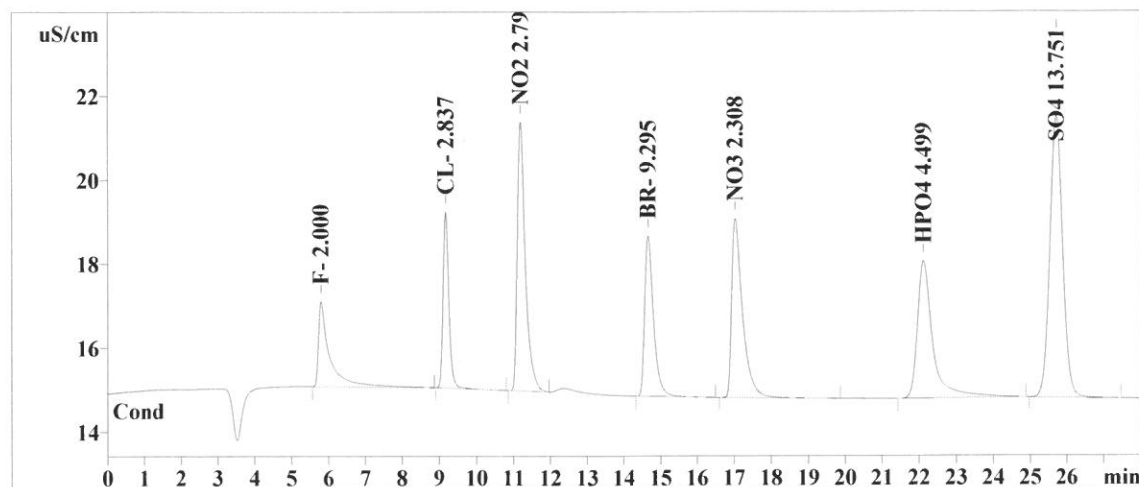
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Analysis from: 1/6/2020 10:37:28 AM
File: _2020-01-06_

Last save: 1/6/2020 11:05:16 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69426

Last save: 1/2/2020 10:05:12 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	0.232	2.02	6.58	44.021	7.35	0.
2	9.17	0.158	4.19	13.66	44.809	7.48	0.
3	11.18	0.219	6.40	20.88	97.438	16.26	0.
4	14.65	0.243	3.81	12.44	63.480	10.59	0.
5	17.03	0.297	4.26	13.90	88.243	14.73	0.
6	22.12	0.380	3.27	10.66	94.744	15.81	0.
7	25.70	0.378	6.71	21.88	166.426	27.78	0.
7	28.00	0.272	30.66	100.01	599.161	100.00	0.

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Report date: 1/6/2020 5:04:47 PM
Printed by: wet

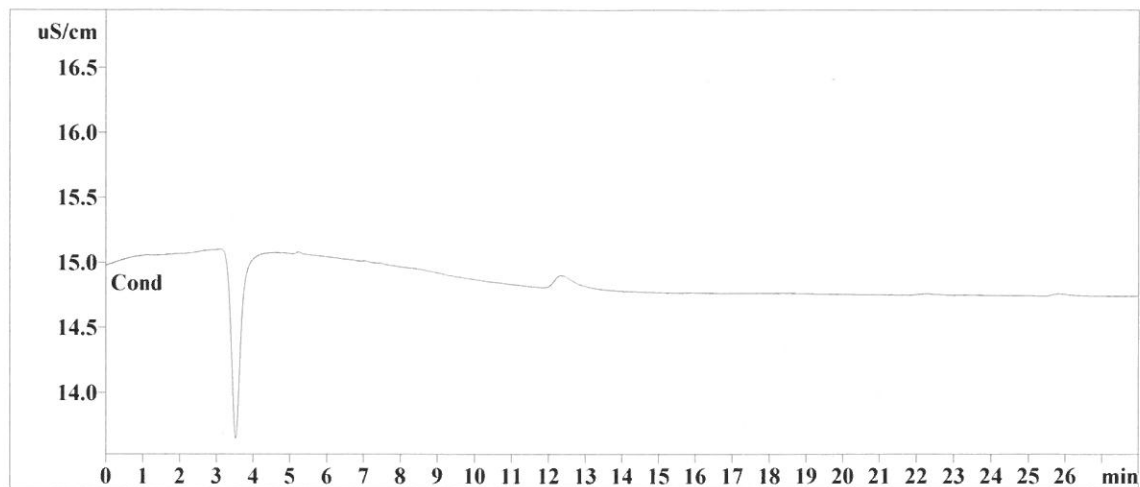
Ident: CCB
Analysis from: 1/6/2020 11:08:22 AM
File: _2020-01-06_

Last save: 1/6/2020 11:36:12 AM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69427

Last save: 1/2/2020 10:05:12 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: 1/6/2020 5:04:56 PM
Printed by: wet

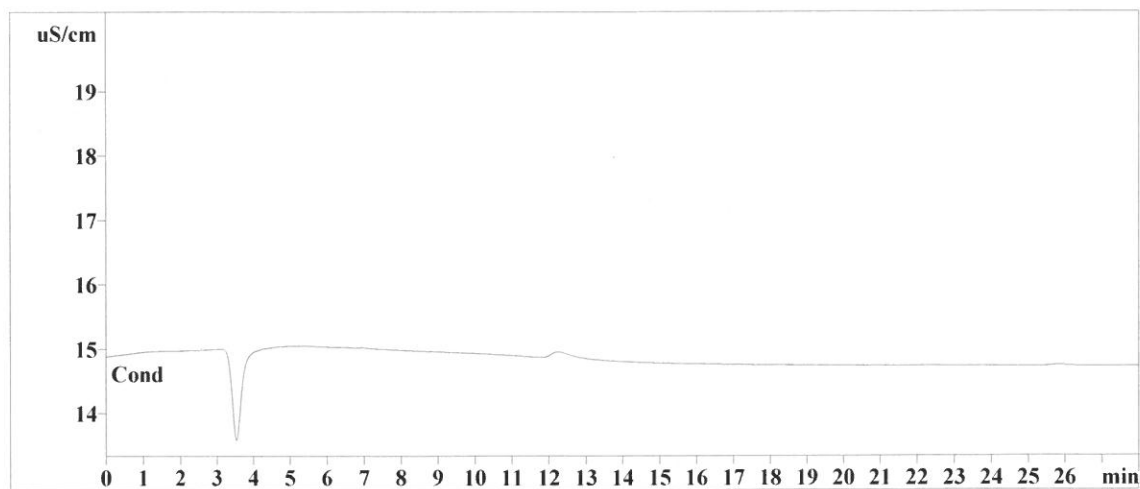
Ident: LB107039BLW
Analysis from: 1/6/2020 11:39:17 AM
File: _2020-01-06_

Last save: 1/6/2020 2:04:44 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69428

Last save: 1/2/2020 10:05:12 AM

SAMPLE:
: AK/AP
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: 1/6/2020 5:05:02 PM
Printed by: wet

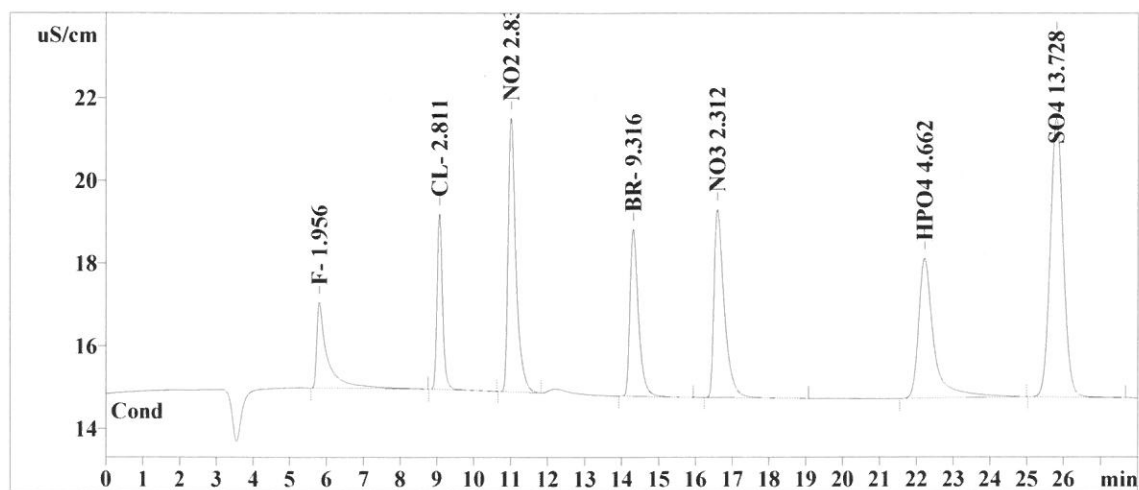
Ident: LB107039BSW
Analysis from: 1/6/2020 12:10:12 PM
File: _2020-01-06_

Last save: 1/6/2020 2:04:44 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69429

Last save: 1/2/2020 10:05:12 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	5.80	0.225	2.07	6.55	42.973	7.14	0.
2	9.07	0.155	4.24	13.40	44.385	7.37	0.
3	11.01	0.215	6.61	20.91	98.797	16.41	0.
4	14.31	0.232	4.03	12.75	63.631	10.57	0.
5	16.59	0.281	4.55	14.39	88.374	14.67	0.
6	22.22	0.378	3.38	10.69	97.943	16.26	0.
7	25.81	0.376	6.73	21.31	166.129	27.59	0.
7	28.00	0.266	31.60	100.00	602.231	100.00	0.

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Report date: 1/6/2020 5:06:38 PM
Printed by: wet

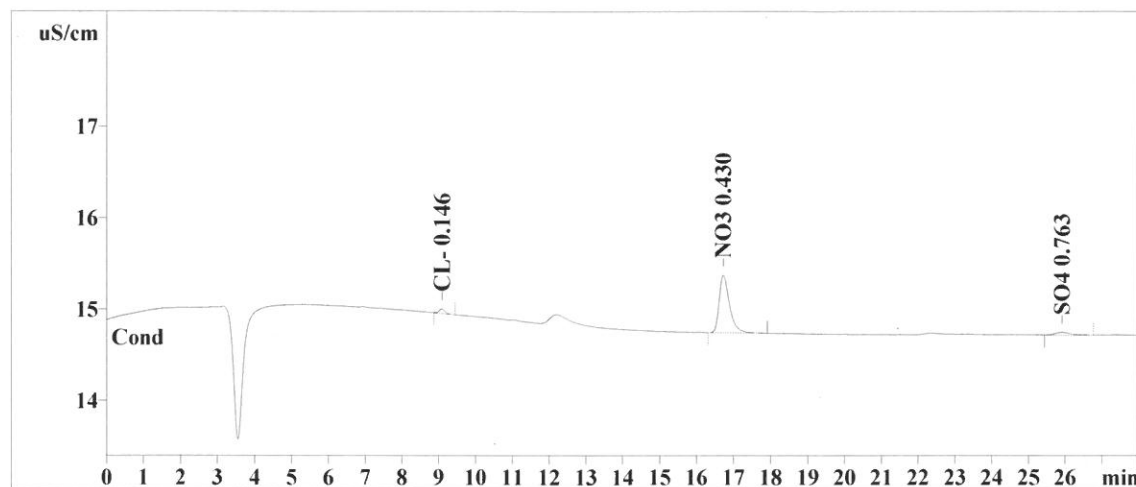
Ident: L1033-01
Analysis from: 1/6/2020 12:42:15 PM
File: _2020-01-06_

Last save: 1/6/2020 5:06:38 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69430

Last save: 1/2/2020 10:05:12 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.08	0.159	0.05	7.05	0.539	3.88	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	16.71	0.291	0.63	88.32	12.437	89.45	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	25.91	0.426	0.03	4.38	0.927	6.67	0.
7	28.00	0.125	0.71	99.74	13.903	100.00	0.

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Report date: 1/6/2020 5:06:49 PM
Printed by: wet

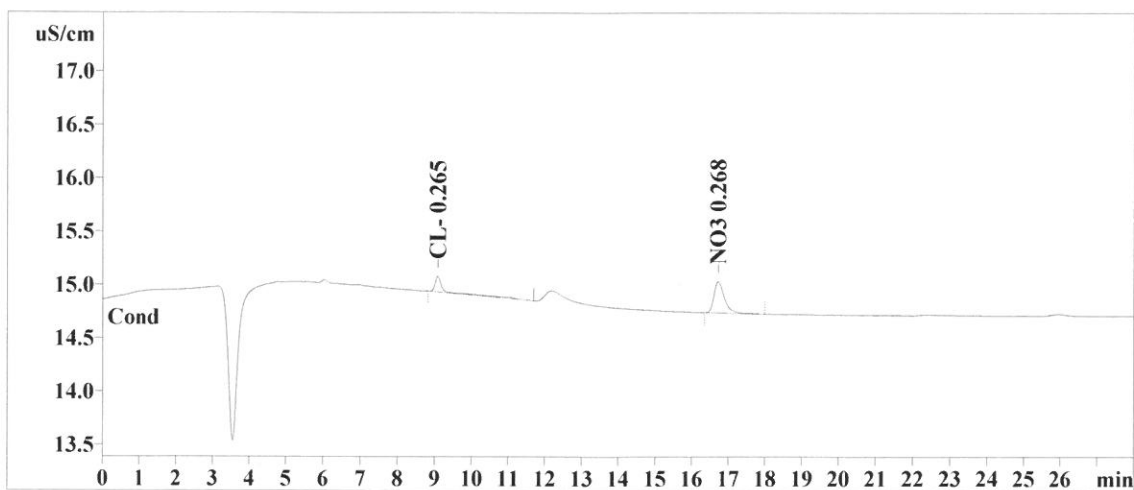
Ident: L1033-02
Analysis from: 1/6/2020 1:13:10 PM
File: _2020-01-06_

Last save: 1/6/2020 2:49:54 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69431

Last save: 1/2/2020 10:05:12 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.08	0.162	0.14	32.95	2.486	29.59	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	16.72	0.292	0.29	66.82	5.915	70.41	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	0.065	0.44	99.77	8.402	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/6/2020 5:07:06 PM
Printed by: wet

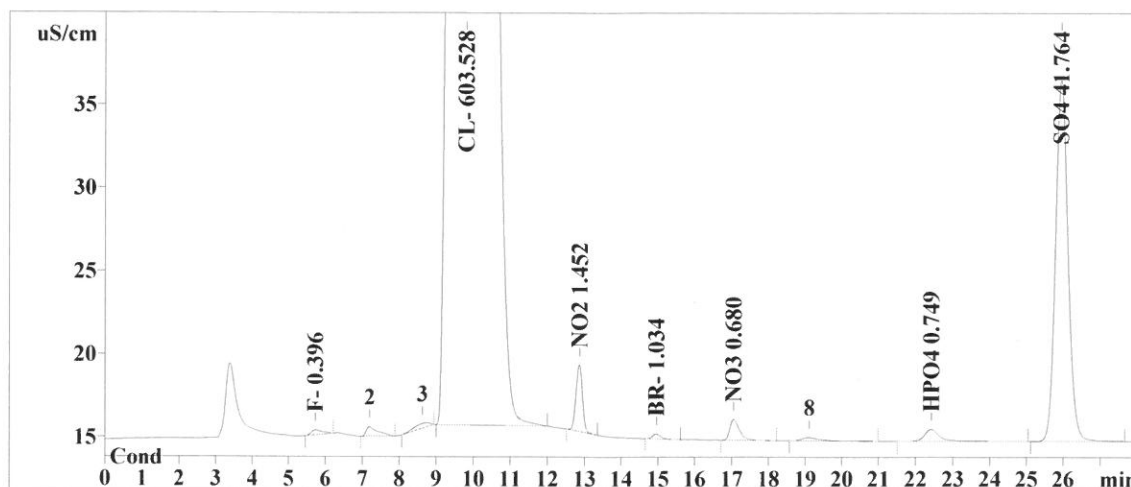
Ident: L1035-01
Analysis from: 1/6/2020 1:44:05 PM
File: _2020-01-06_

Last save: 1/6/2020 2:11:54 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69432

Last save: 1/2/2020 10:05:12 AM

SAMPLE:
: AK/AP
Vial number: 11
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.72	0.334	0.30	0.16	6.248	0.06	0.
2	9.79	1.086	152.00	83.83	9930.436	93.82	0.
3	12.86	0.189	3.99	2.20	48.492	0.46	0.
4	14.95	0.232	0.29	0.16	4.541	0.04	0.
5	17.05	0.269	1.24	0.68	22.537	0.21	0.
6	22.42	0.381	0.72	0.40	21.238	0.20	0.
7	25.93	0.367	21.74	11.99	523.366	4.94	0.
7	28.00	0.408	180.29	99.43	10556.857	99.74	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/6/2020 5:07:17 PM
Printed by: wet

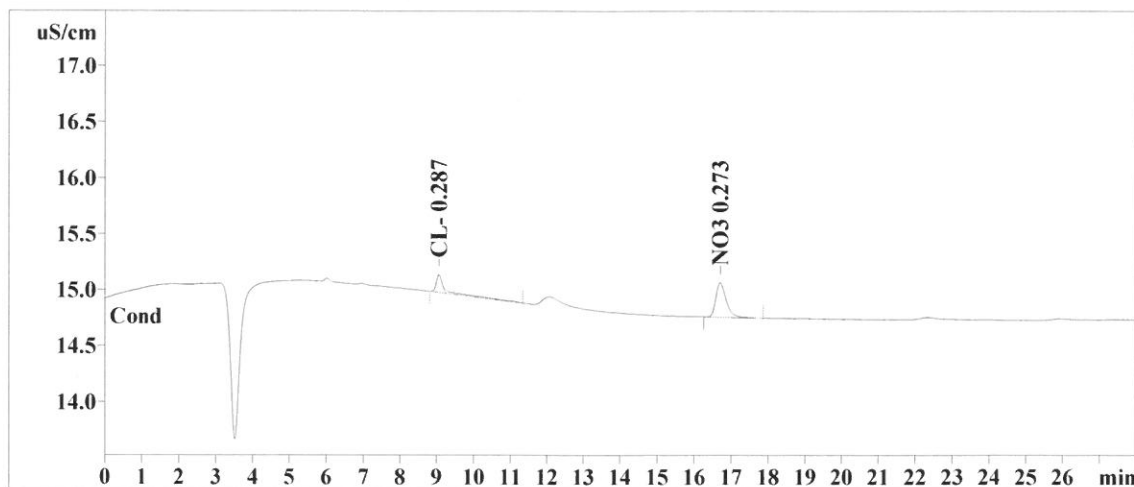
Ident: L1033-02DUP
Analysis from: 1/6/2020 2:15:00 PM
File: _2020-01-06_

Last save: 1/6/2020 2:42:48 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69433

Last save: 1/2/2020 10:05:12 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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.06	0.166	0.16	33.51	2.854	31.78	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	16.69	0.291	0.31	66.20	6.129	68.22	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	0.065	0.46	99.71	8.983	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/6/2020 5:07:25 PM
Printed by: wet

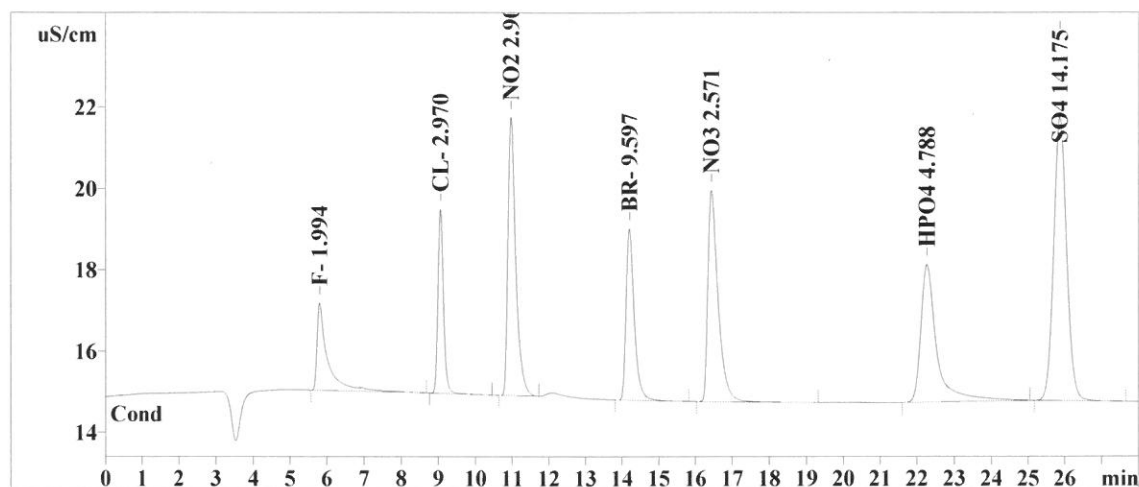
Ident: L1033-02MS
Analysis from: 1/6/2020 2:45:55 PM
File: _2020-01-06_

Last save: 1/6/2020 3:13:44 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69434

Last save: 1/2/2020 10:05:12 AM

SAMPLE:
: AK/AP
Vial number: 9
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.80	0.225	2.14	6.44	43.866	6.98	0.
2	9.05	0.154	4.53	13.61	47.008	7.48	0.
3	10.96	0.215	6.84	20.56	101.134	16.09	0.
4	14.20	0.229	4.21	12.67	65.636	10.44	0.
5	16.43	0.276	5.19	15.60	98.837	15.72	0.
6	22.26	0.380	3.38	10.17	100.414	15.97	0.
7	25.86	0.376	6.97	20.96	171.822	27.33	0.
7	28.00	0.265	33.26	100.00	628.718	100.00	0.

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METROHM LTD

Report date: 1/6/2020 5:08:35 PM
Printed by: wet

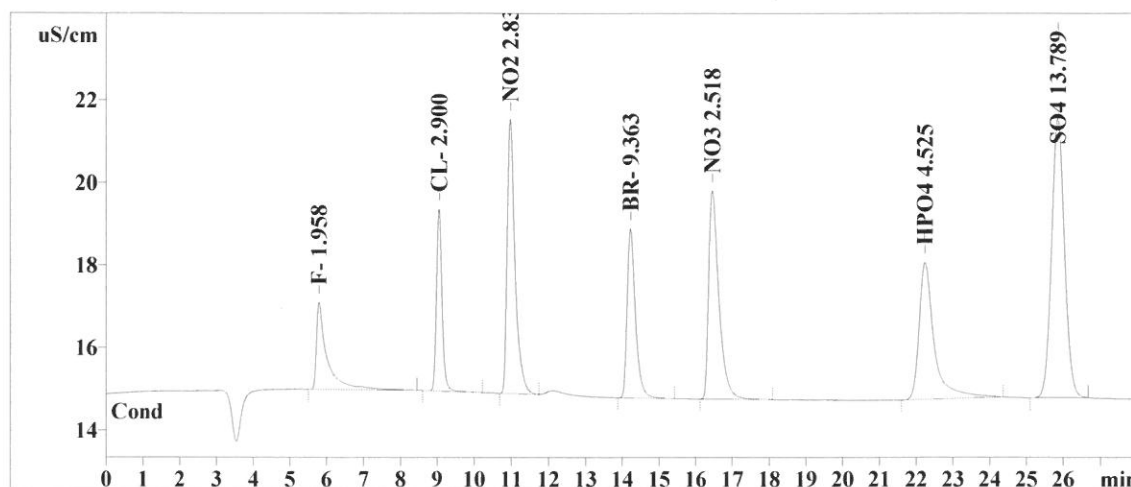
Ident: L1033-02MSD
Analysis from: 1/6/2020 3:16:50 PM
File: _2020-01-06_

Last save: 1/6/2020 5:08:36 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69435

Last save: 1/2/2020 10:05:12 AM

SAMPLE:
: 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	5.79	0.226	2.11	6.50	43.039	7.05	0.
2	9.04	0.154	4.40	13.59	45.850	7.51	0.
3	10.96	0.215	6.65	20.51	98.624	16.16	0.
4	14.21	0.230	4.10	12.65	63.967	10.48	0.
5	16.44	0.278	5.05	15.58	96.718	15.85	0.
6	22.24	0.379	3.32	10.24	95.242	15.60	0.
7	25.84	0.378	6.78	20.92	166.911	27.35	0.
7	28.00	0.266	32.40	100.00	610.350	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/6/2020 5:08:50 PM
Printed by: wet

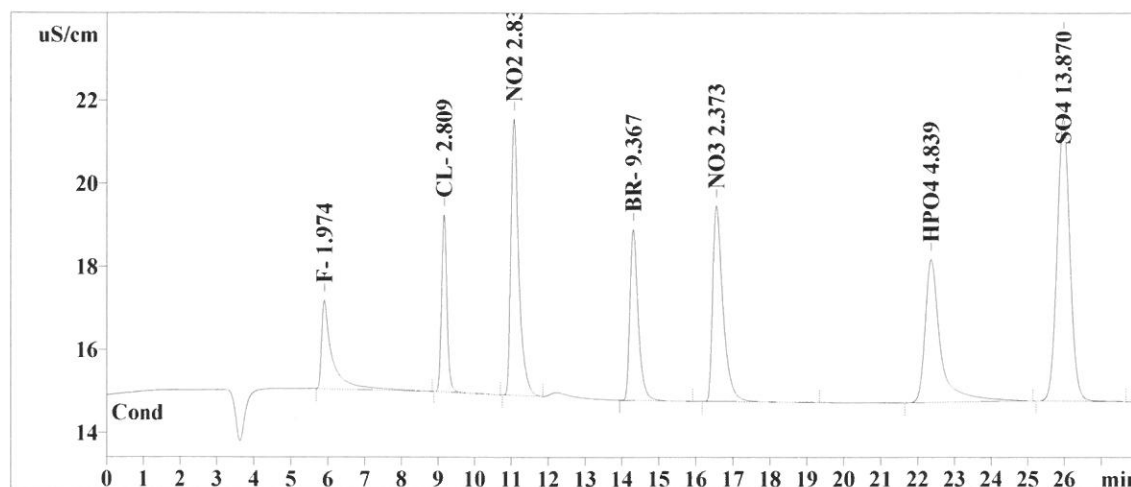
Ident: CCV
Analysis from: 1/6/2020 3:47:45 PM
File: _2020-01-06_

Last save: 1/6/2020 4:15:34 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69436

Last save: 1/2/2020 10:05:12 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	5.90	0.224	2.13	6.62	43.400	7.11	0.
2	9.15	0.154	4.26	13.26	44.359	7.27	0.
3	11.06	0.214	6.64	20.70	98.600	16.15	0.
4	14.30	0.229	4.11	12.82	63.991	10.48	0.
5	16.54	0.280	4.71	14.66	90.863	14.88	0.
6	22.36	0.379	3.43	10.70	101.399	16.61	0.
7	25.96	0.376	6.81	21.22	167.934	27.51	0.
7	28.00	0.265	32.09	99.99	610.545	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/6/2020 5:09:01 PM
Printed by: wet

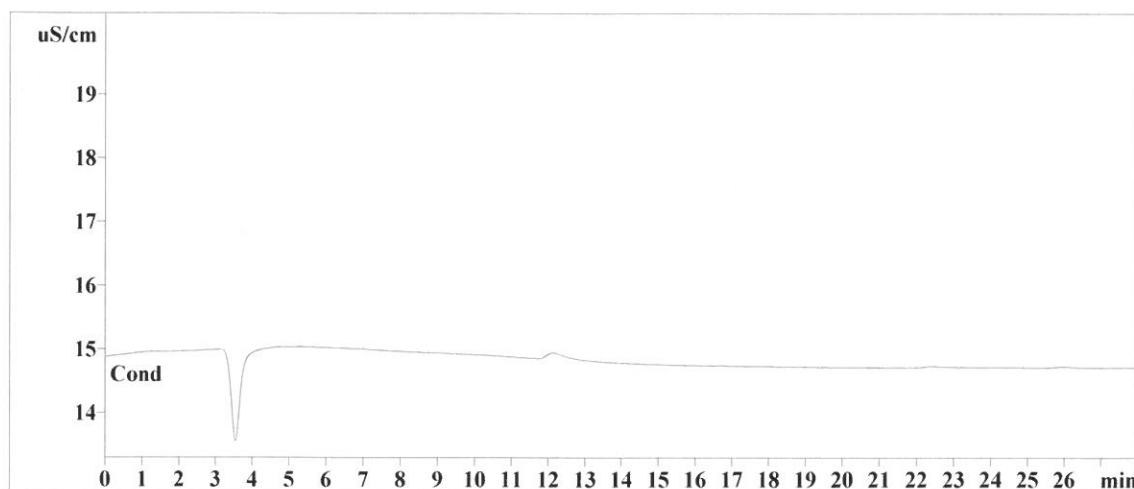
Ident: CCB
Analysis from: 1/6/2020 4:19:08 PM
File: _2020-01-06_

Last save: 1/6/2020 4:46:56 PM

Method: ANIONS 12-31-19.mtw
Run operator: wet
Analysis number: 69437

Last save: 1/2/2020 10:05:12 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
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