

ICD 300.0
09/28/19

Clear table

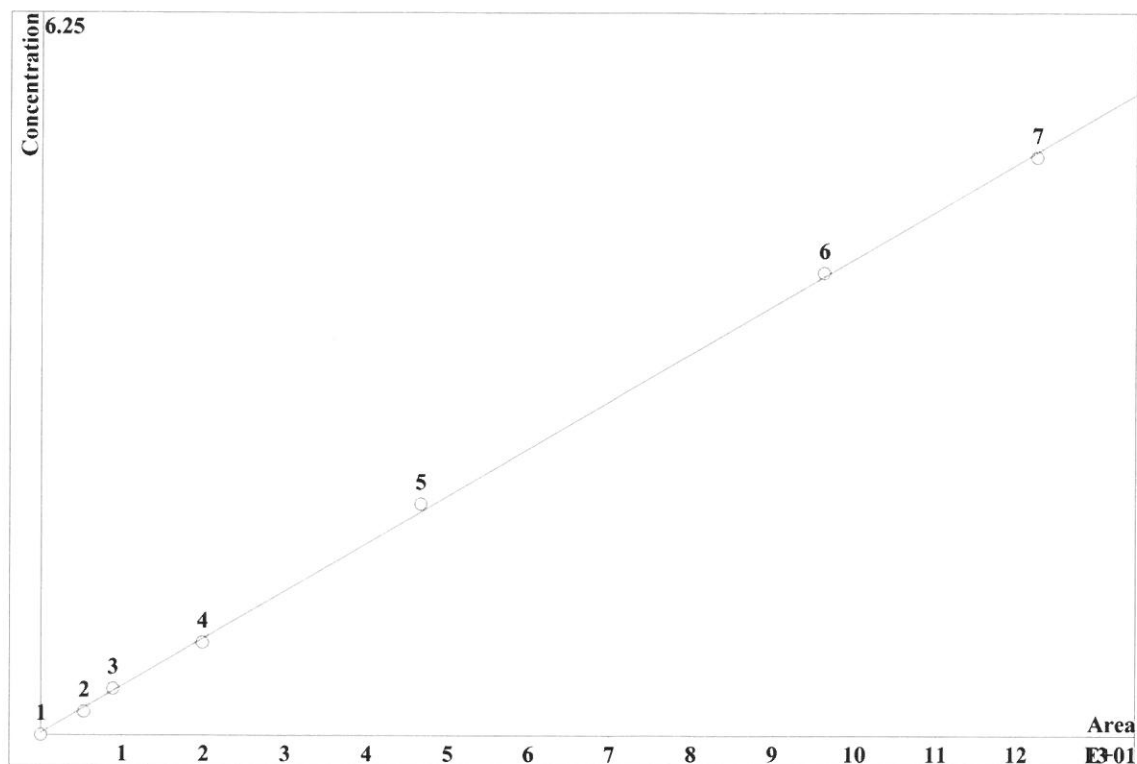
ident	concentra tion F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final Vol	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-11	9/11/19 11:54		AK/AP
STD2	0.2370	0.3870	0.3840	1.3120	0.3250	0.3970	2.0250	2019-09-11	9/11/19 12:24		AK/AP
STD3	0.3840	0.6650	0.6490	2.1980	0.5430	1.0120	3.2650	2019-09-11	9/11/19 12:55		AK/AP
STD4	0.8350	1.1990	1.1920	3.9850	0.9960	2.1480	5.9770	2019-09-11	9/11/19 13:26		AK/AP
STD5	1.9310	2.8310	2.8440	9.3900	2.3630	5.0000	14.1360	2019-09-11	9/11/19 13:57		AK/AP
STD6	3.9680	5.8520	5.9090	19.6520	4.9100	9.8450	29.2610	2019-09-11	9/11/19 14:28		AK/AP
STD7	5.0450	7.6660	7.6210	25.4620	6.3640	12.5980	38.3360	2019-09-11	9/11/19 14:59		AK/AP
ICV	2.0100	2.8810	2.8880	9.5180	2.4230	5.1840	14.6160	2019-09-11	9/11/19 15:30		AK/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-11	9/11/19 16:01		AK/AP
CCV	1.9970	2.8780	2.8810	9.4600	2.3940	4.9790	14.2070	2019-09-24	9/24/19 9:52		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-24	9/24/19 10:23		AK/AP
LB105318BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-24	9/24/19 10:54		AK/AP
LB105318BSW	1.9640	2.9200	2.9280	9.5750	2.4390	5.1480	14.4450	2019-09-24	9/24/19 11:24		AK/AP
K5019-01	0.5380	153.8310	0.0000	0.0000	0.0000	0.0000	230.3030	2019-09-24	9/24/19 15:54		AK/AP
K5019-01DUP	0.5820	152.8440	0.0000	0.0000	0.0000	0.0000	231.4040	2019-09-24	9/24/19 16:25		AK/AP
K5019-01MS	2.9030	141.2210	2.5510	10.5610	2.6770	6.2430	230.8550	2019-09-24	9/24/19 16:55		AK/AP
K5019-01MSD	2.7180	141.9080	2.3510	9.8140	2.4880	5.9100	225.7610	2019-09-24	9/24/19 17:26		AK/AP
K5019-02	0.9790	295.4230	0.0000	1.1550	0.0000	6.7130	234.3330	2019-09-24	9/24/19 17:56		AK/AP
K5019-03	0.8370	711.7400	0.0000	1.8980	0.0000	3.6990	607.0420	2019-09-24	9/24/19 18:27		AK/AP
K5019-04	0.1860	330.2260	0.0000	1.0680	0.0000	1.2920	185.5420	2019-09-24	9/24/19 18:57		AK/AP
CCV	1.4050	2.9640	2.9560	9.7090	2.4460	5.5060	14.6070	2019-09-24	9/24/19 19:27		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-24	9/24/19 19:58		AK/AP
CCV	2.1390	2.9480	2.9730	9.7590	2.4590	5.5800	14.7380	2019-09-25	9/25/19 8:43		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-25	9/25/19 9:13		AK/AP
LB105318BLW2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-25	9/25/19 9:44		AK/AP
LB105318BSW2	2.1420	3.0070	3.0370	9.9750	2.5320	5.8340	15.2850	2019-09-25	9/25/19 10:14		AK/AP
K5019-01DLX10	0.0000	11.8180	0.0000	0.0000	0.0000	0.0000	18.9630	2019-09-25	9/25/19 10:45		AK/AP
K5019-02DLX10	0.0000	23.9620	0.0000	0.0000	0.0000	0.5980	19.0750	2019-09-25	9/25/19 11:15		AK/AP
K5019-03DLX20	0.0000	27.8780	0.0000	0.0000	0.0000	0.0000	22.4910	2019-09-25	9/25/19 11:46		AK/AP
K5019-04DLX10	0.0000	27.0130	0.0000	0.0000	0.0000	0.0000	15.6370	2019-09-25	9/25/19 12:16		AK/AP
CCV	2.0590	2.9560	2.9550	9.8260	2.4860	5.4520	14.7290	2019-09-25	9/25/19 12:46		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-25	9/25/19 13:17		AK/AP

CALIBRATION OF COMPONENT F-

IC-1 cal

Method: ANIONS 09-11-19.mtw
Equation: $Q = 0.821033 \cdot A + 0.364372$
RSD: 2.494 %
Correlation coefficient: 0.999737

9-11-19 AR



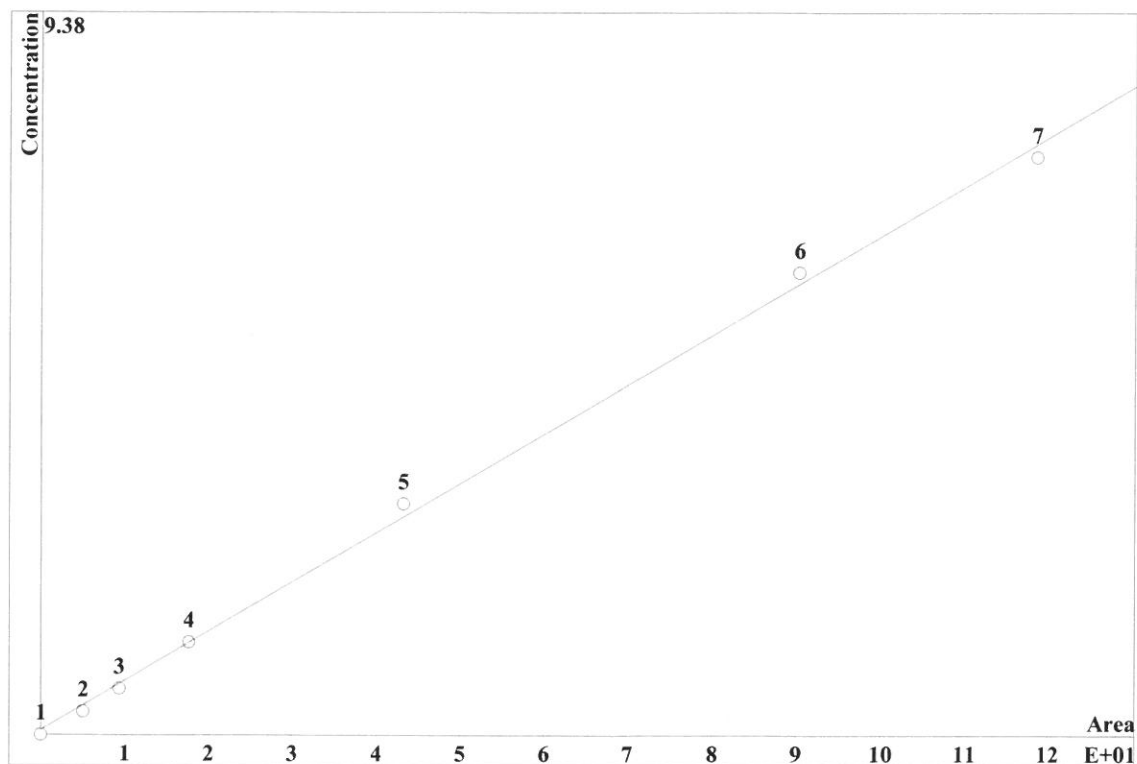
K3 = 0 K2 = 0 K1 = 0.821033 K0 = 0.364372

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	0.2551	5.321	0.2	20	5.943		Yes
3	0.5016	8.91	0.4	20	5.943		Yes
4	1.1	19.9	0.8	20	5.943		Yes
5	3	46.6	2	20	5.943		Yes
6	6.637	96.22	4	20	5.943		Yes
7	8.822	122.5	5	20	5.943		Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 09-11-19.mtw
 Equation: $Q = 1.28218 \cdot A + 1.24047$
 RSD: 4.831 %
 Correlation coefficient: 0.999013



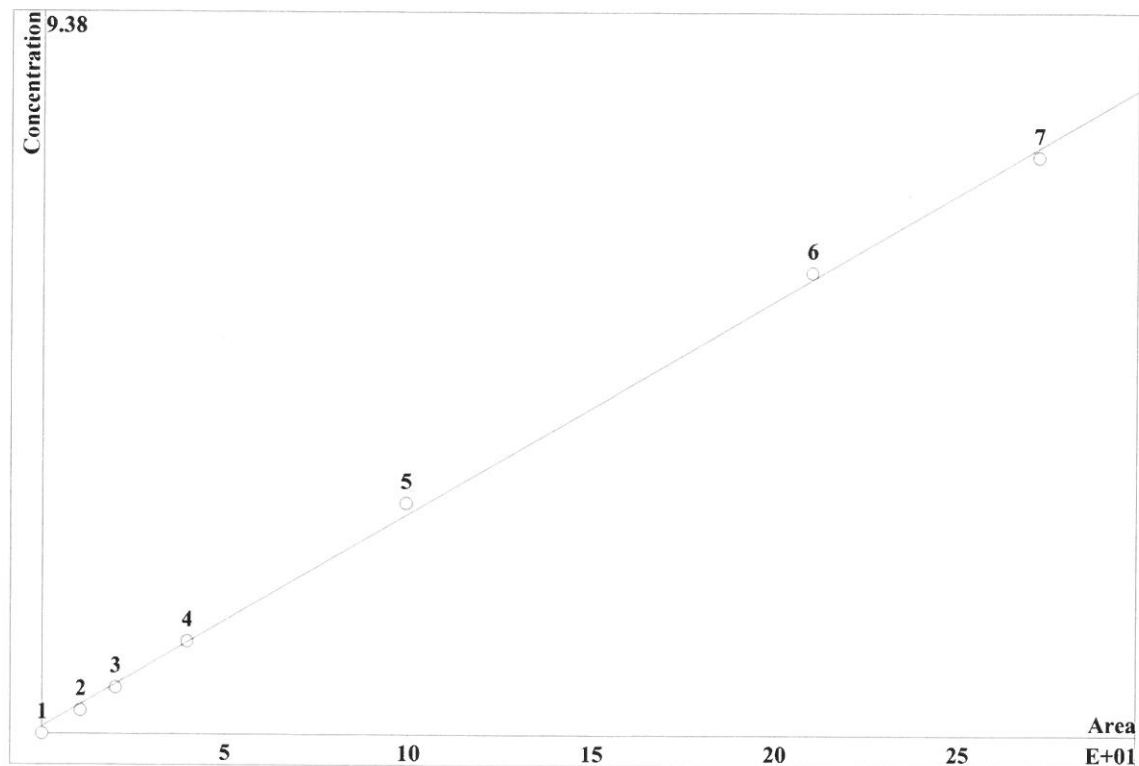
K3 = 0 K2 = 0 K1 = 1.28218 K0 = 1.24047

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	0.3214	5.069	0.3	20	8.829		Yes
3	0.5935	9.405	0.6	20	8.829		Yes
4	1.171	17.74	1.2	20	8.829		Yes
5	2.904	43.2	3	20	8.829		Yes
6	6.207	90.31	6	20	8.829		Yes
7	8.164	118.6	7.5	20	8.829		Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 09-11-19.mtw
 Equation: $Q = 0.554364 \cdot A + 1.90063$
 RSD: 3.841 %
 Correlation coefficient: 0.999376



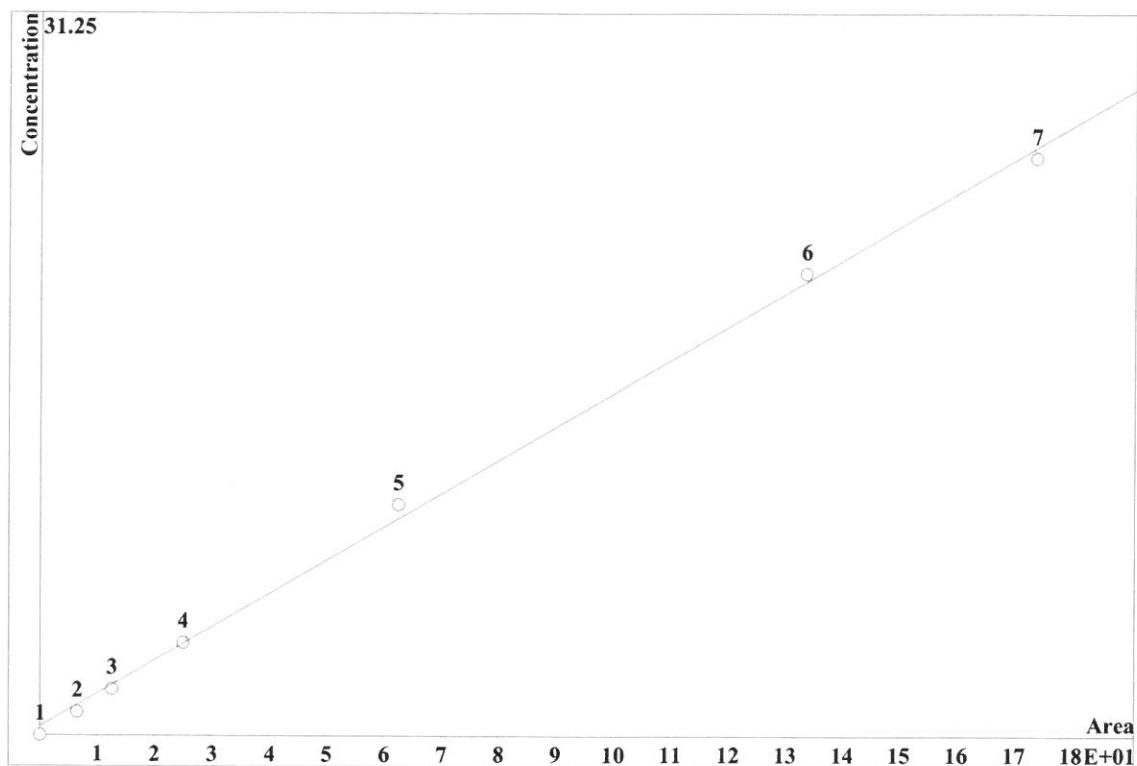
K3 = 0 K2 = 0 K1 = 0.554364 K0 = 1.90063

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	0.5652	10.44	0.3	20	10.66			Yes
3	1.074	19.98	0.6	20	10.66			Yes
4	2.165	39.57	1.2	20	10.66			Yes
5	5.397	99.19	3	20	10.66			Yes
6	11.17	209.8	6	20	10.66			Yes
7	14.37	271.5	7.5	20	10.66			Yes

CALIBRATION OF COMPONENT BR-

Method: ANIONS 09-11-19.mtw
 Equation: $Q = 2.88696 \cdot A + 7.64928$
 RSD: 4.442 %
 Correlation coefficient: 0.999166



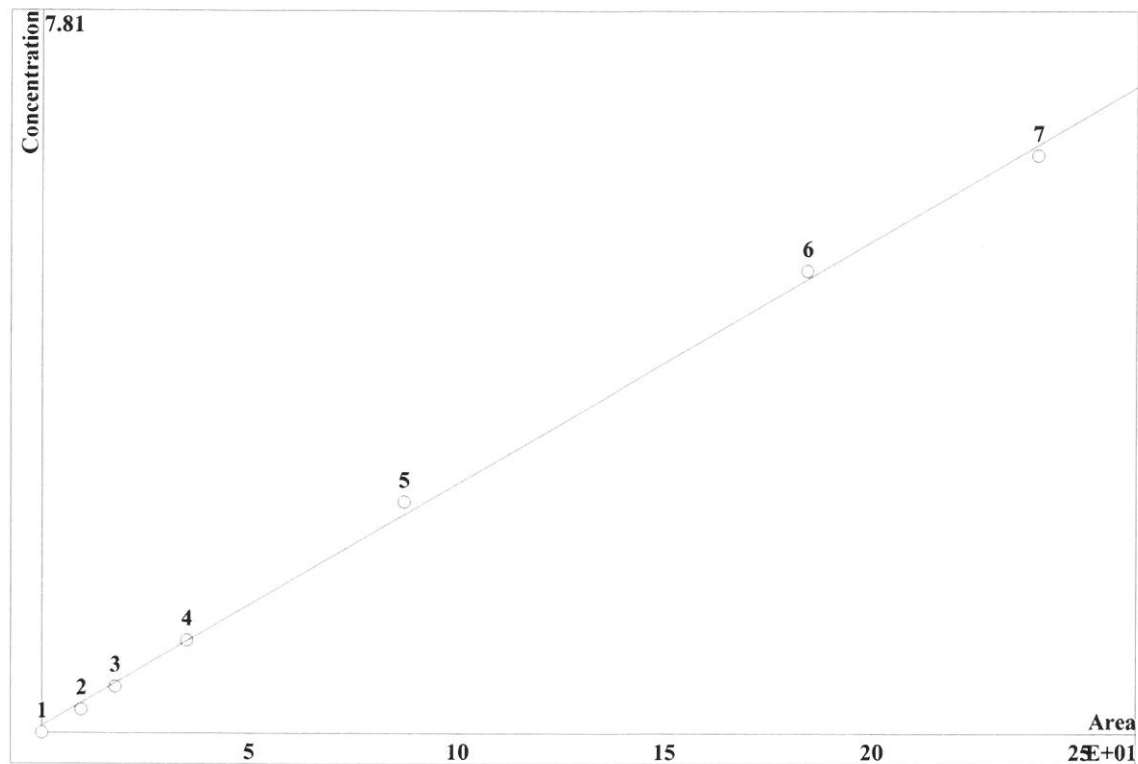
K3 = 0 K2 = 0 K1 = 2.88696 K0 = 7.64928

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	0.2907	6.439	1	20	13.72			Yes
3	0.5549	12.58	2	20	13.72			Yes
4	1.122	24.96	4	20	13.72			Yes
5	2.84	62.4	10	20	13.72			Yes
6	6.118	133.5	20	20	13.72			Yes
7	8.011	173.7	25	20	13.72			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 09-11-19.mtw
 Equation: $Q = 0.524779 \cdot A + 1.52257$
 RSD: 4.212 %
 Correlation coefficient: 0.999250



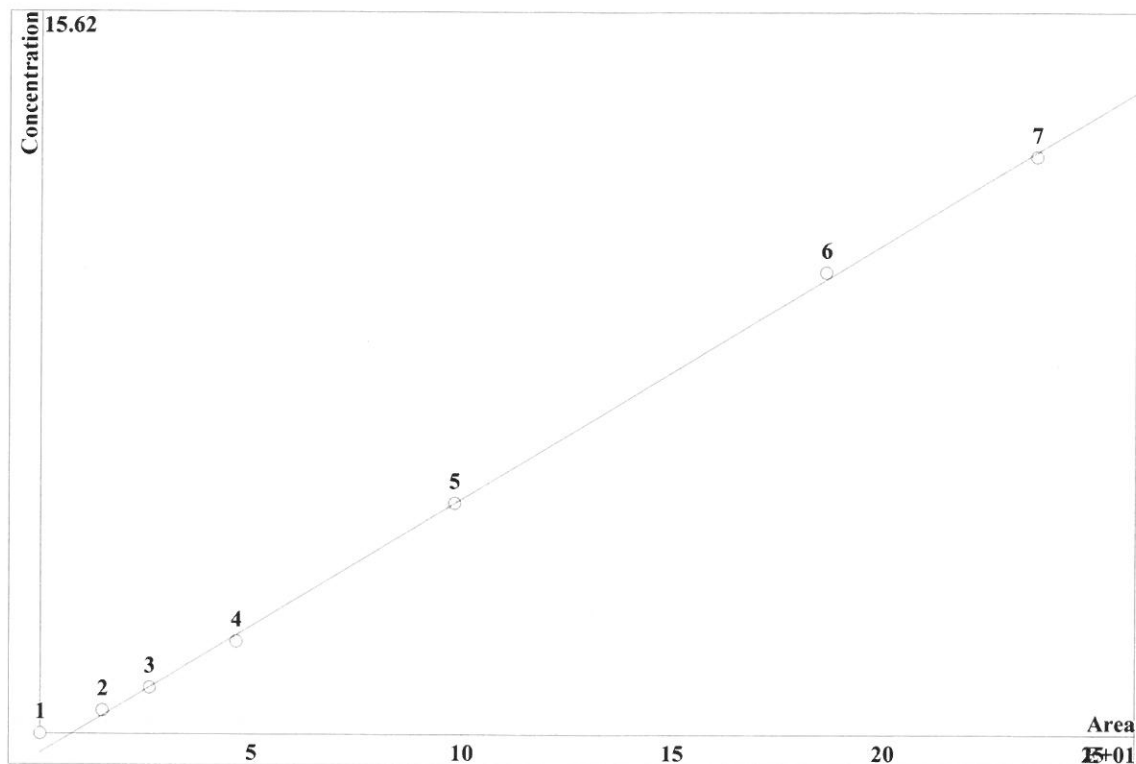
K3 = 0 K2 = 0 K1 = 0.524779 K0 = 1.52257

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	0.3397	9.489	0.25	20	15.85	Yes	
3	0.6435	17.78	0.5	20	15.85	Yes	
4	1.284	35.05	1	20	15.85	Yes	
5	3.191	87.15	2.5	20	15.85	Yes	
6	6.794	184.2	5	20	15.85	Yes	
7	8.907	239.6	6.25	20	15.85	Yes	

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 09-11-19.mtw
 Equation: $Q = 1.1014 \cdot A - 8.20097$
 RSD: 2.490 %
 Correlation coefficient: 0.999738



K3 = 0 K2 = 0 K1 = 1.1014 K0 = -8.20097

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

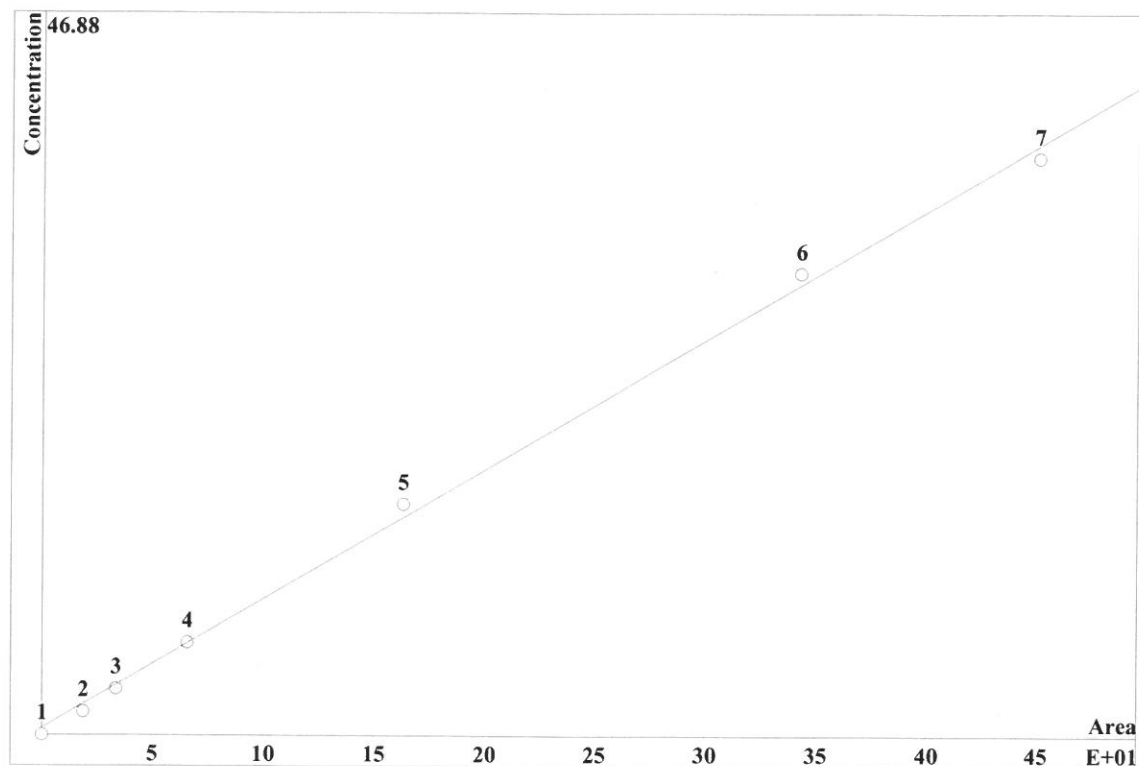
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.3285	14.66	0.5	20	21.46		Yes
3	0.594	25.82	1	20	21.46		Yes
4	1.103	46.45	2	20	21.46		Yes
5	2.428	98.23	5	20	21.46		Yes
6	4.756	186.2	10	20	21.46		Yes
7	6.103	236.2	12.5	20	21.46		Yes

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CALIBRATION OF COMPONENT SO4

Method: ANIONS 09-11-19.mtw
 Equation: $Q = 1.68205 \cdot A + 8.86802$
 RSD: 4.931 %
 Correlation coefficient: 0.998972



K3 = 0 K2 = 0 K1 = 1.68205 K0 = 8.86802

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	0.5148	18.8	1.5	20	24.69		Yes
3	0.9449	33.55	3	20	24.69		Yes
4	1.879	65.79	6	20	24.69		Yes
5	4.708	162.8	15	20	24.69		Yes
6	10.1	342.7	30	20	24.69		Yes
7	13.2	450.6	37.5	20	24.69		Yes

Report date: 9/16/2019 10:46:39 AM
Printed by: wet

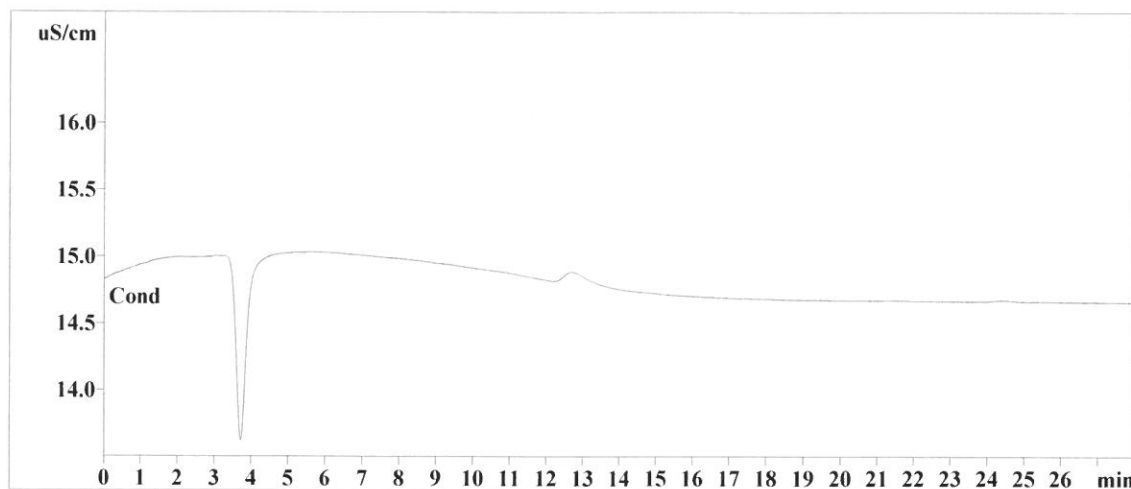
Ident: STD1
Analysis from: 9/11/2019 11:54:00 AM
File: _2019-09-11_

Last save: 9/11/2019 3:39:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68587

Last save: 9/11/2019 12:31:40 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: 9/16/2019 10:46:47 AM
Printed by: wet

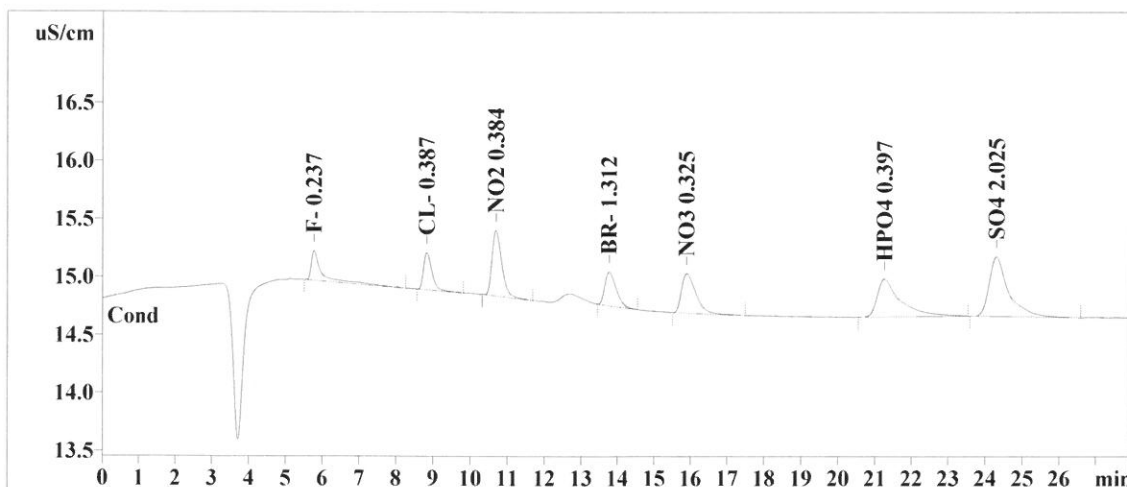
Ident: STD2
Analysis from: 9/11/2019 12:24:55 PM
File: _2019-09-11_

Last save: 9/11/2019 3:39:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68588

Last save: 9/11/2019 12:31:40 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	5.76	0.209	0.25	9.74	5.321	7.58	0.
2	8.83	0.236	0.32	12.26	5.069	7.22	0.
3	10.68	0.277	0.56	21.60	10.439	14.87	0.
4	13.76	0.345	0.29	11.09	6.439	9.17	0.
5	15.89	0.420	0.34	12.97	9.489	13.51	0.
6	21.25	0.562	0.33	12.53	14.663	20.88	0.
7	24.30	0.481	0.51	19.67	18.804	26.78	0.
7	28.00	0.361	2.61	99.86	70.225	100.00	0.

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Report date: 9/16/2019 10:46:56 AM
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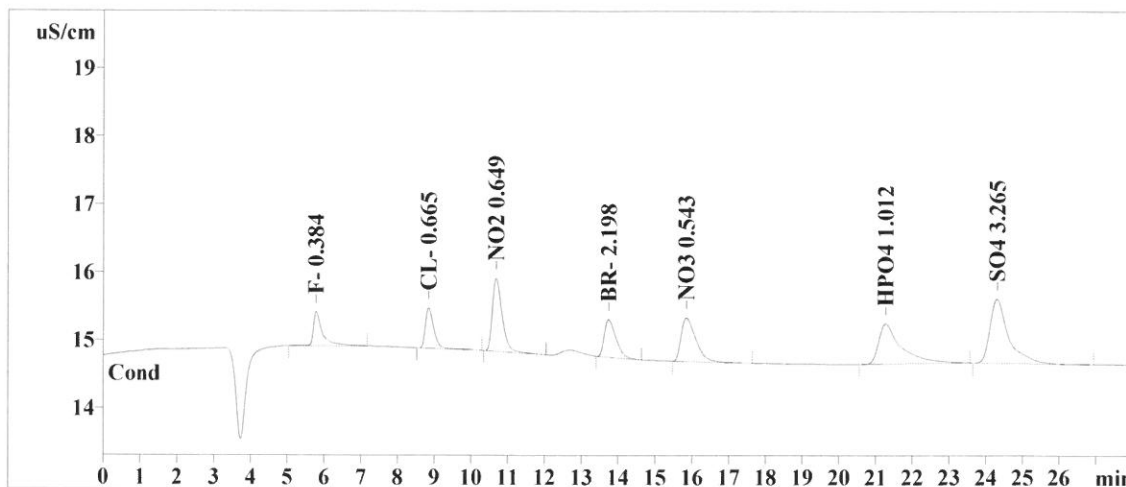
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Analysis from: 9/11/2019 12:55:50 PM
File: _2019-09-11_

Last save: 9/11/2019 3:39:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68589

Last save: 9/11/2019 12:31:40 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	5.78	0.216	0.50	10.22	8.910	6.96	0.
2	8.85	0.230	0.59	12.08	9.405	7.35	0.
3	10.68	0.276	1.07	21.88	19.979	15.61	0.
4	13.73	0.350	0.55	11.31	12.578	9.82	0.
5	15.84	0.421	0.64	13.11	17.783	13.89	0.
6	21.27	0.542	0.59	12.09	25.819	20.17	0.
7	24.30	0.468	0.94	19.25	33.551	26.21	0.
7	28.00	0.358	4.90	99.93	128.026	100.00	0.

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Report date: 9/16/2019 10:47:15 AM
Printed by: wet

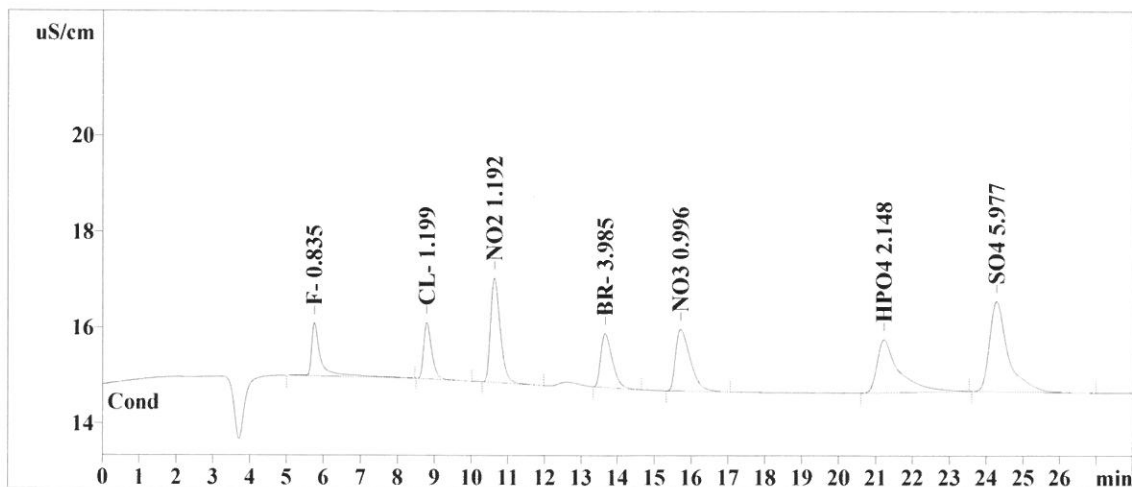
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Last save: 9/11/2019 3:39:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68590

Last save: 9/11/2019 12:31:40 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	5.75	0.204	1.10	11.19	19.896	7.98	0.
2	8.79	0.227	1.17	11.92	17.742	7.11	0.
3	10.62	0.274	2.16	22.03	39.569	15.86	0.
4	13.64	0.342	1.12	11.42	24.957	10.00	0.
5	15.71	0.417	1.28	13.07	35.051	14.05	0.
6	21.22	0.517	1.10	11.22	46.447	18.62	0.
7	24.28	0.463	1.88	19.13	65.793	26.37	0.
7	28.00	0.349	9.82	99.97	249.455	100.00	0.

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Printed by: wet

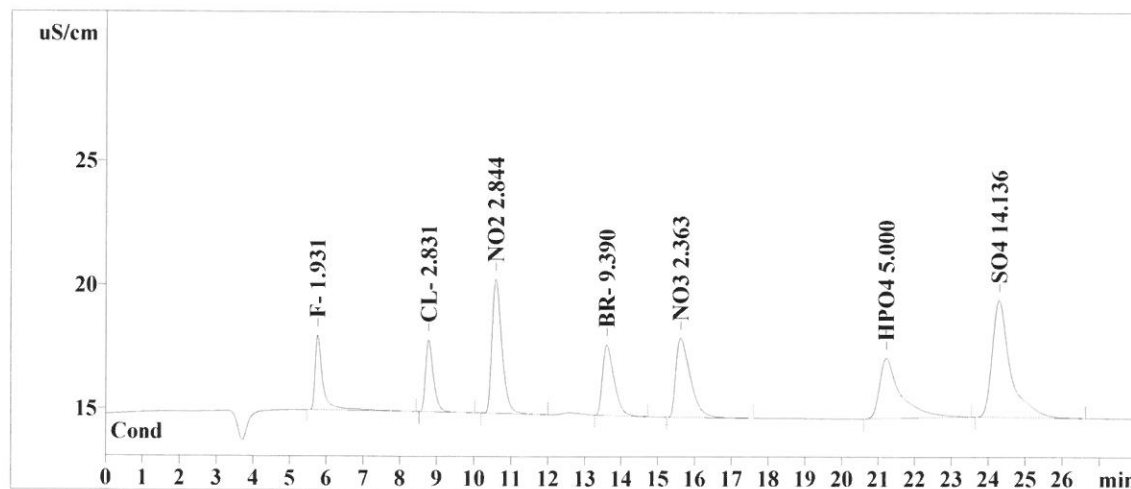
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Analysis from: 9/11/2019 1:57:39 PM
File: _2019-09-11_

Last save: 9/11/2019 3:39:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68591

Last save: 9/11/2019 12:31:40 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	5.76	0.193	3.00	12.26	46.597	7.77	0.
2	8.78	0.222	2.90	11.87	43.198	7.20	0.
3	10.59	0.276	5.40	22.06	99.193	16.54	0.
4	13.59	0.334	2.84	11.60	62.405	10.41	0.
5	15.61	0.417	3.19	13.04	87.148	14.53	0.
6	21.21	0.496	2.43	9.92	98.231	16.38	0.
7	24.28	0.456	4.71	19.24	162.812	27.15	0.
7	28.00	0.342	24.47	100.00	599.583	100.00	0.

This report has been created by IC Net
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Report date: 9/16/2019 10:47:34 AM
Printed by: wet

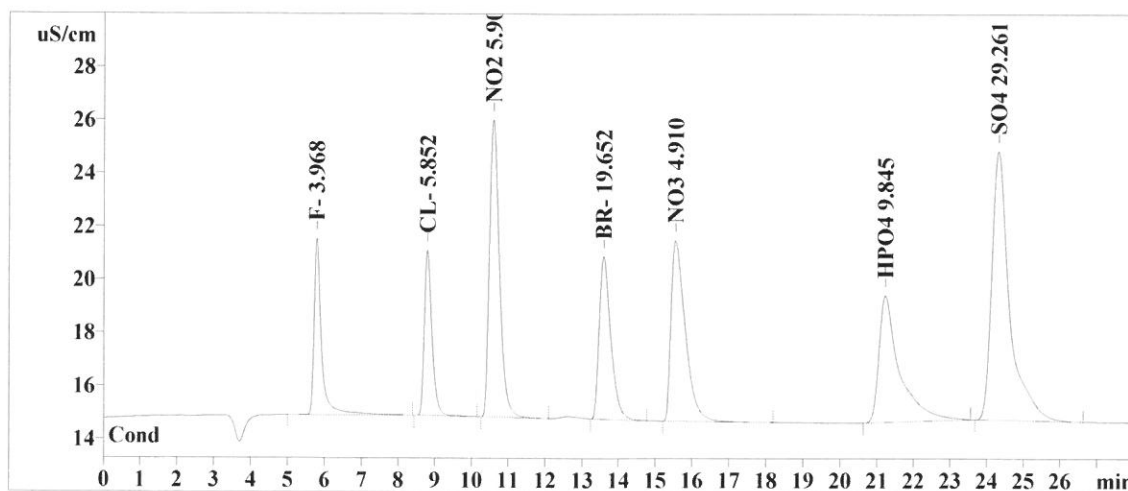
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File: _2019-09-11_

Last save: 9/11/2019 3:39:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68592

Last save: 9/11/2019 12:31:40 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	5.77	0.187	6.64	12.81	96.218	7.74	0.
2	8.79	0.216	6.21	11.99	90.307	7.27	0.
3	10.58	0.284	11.17	21.57	209.761	16.88	0.
4	13.58	0.328	6.12	11.81	133.496	10.74	0.
5	15.55	0.413	6.79	13.12	184.218	14.82	0.
6	21.22	0.482	4.76	9.18	186.219	14.98	0.
7	24.31	0.450	10.10	19.51	342.652	27.57	0.
7	28.00	0.337	51.78	100.00	1242.871	100.00	0.

This report has been created by IC Net
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Report date: 9/16/2019 10:47:42 AM
Printed by: wet

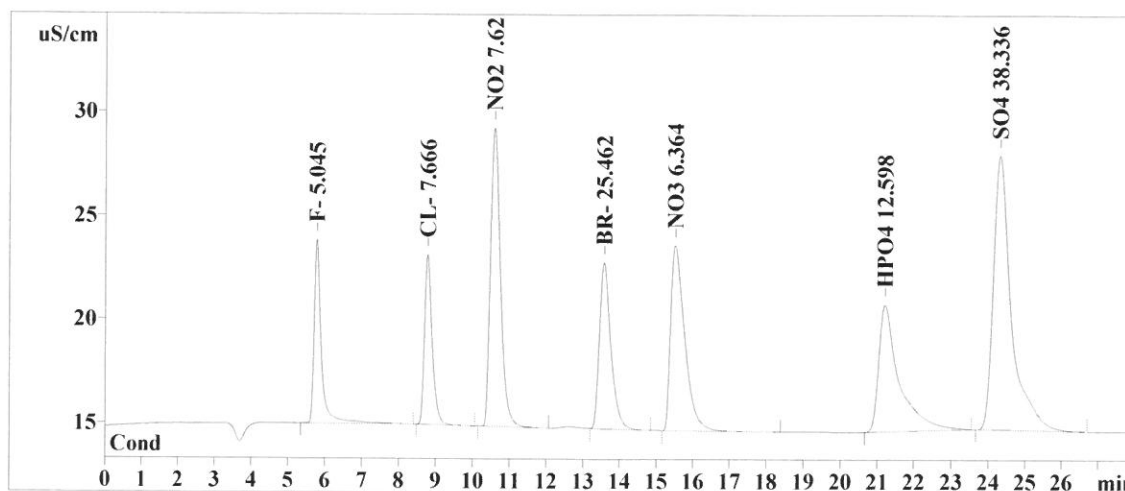
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Analysis from: 9/11/2019 2:59:28 PM
File: _2019-09-11_

Last save: 9/11/2019 3:40:52 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68593

Last save: 9/11/2019 3:40:50 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	5.77	0.181	8.82	13.06	122.454	7.59	0.
2	8.77	0.214	8.16	12.08	118.605	7.35	0.
3	10.57	0.287	14.37	21.26	271.528	16.84	0.
4	13.56	0.322	8.01	11.85	173.746	10.77	0.
5	15.50	0.409	8.91	13.18	239.627	14.86	0.
6	21.20	0.477	6.10	9.03	236.215	14.65	0.
7	24.30	0.455	13.20	19.53	450.551	27.94	0.
7	28.00	0.335	67.57	100.00	1612.725	100.00	0.

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METROHM LTD

Report date: 9/16/2019 10:48:15 AM
Printed by: wet

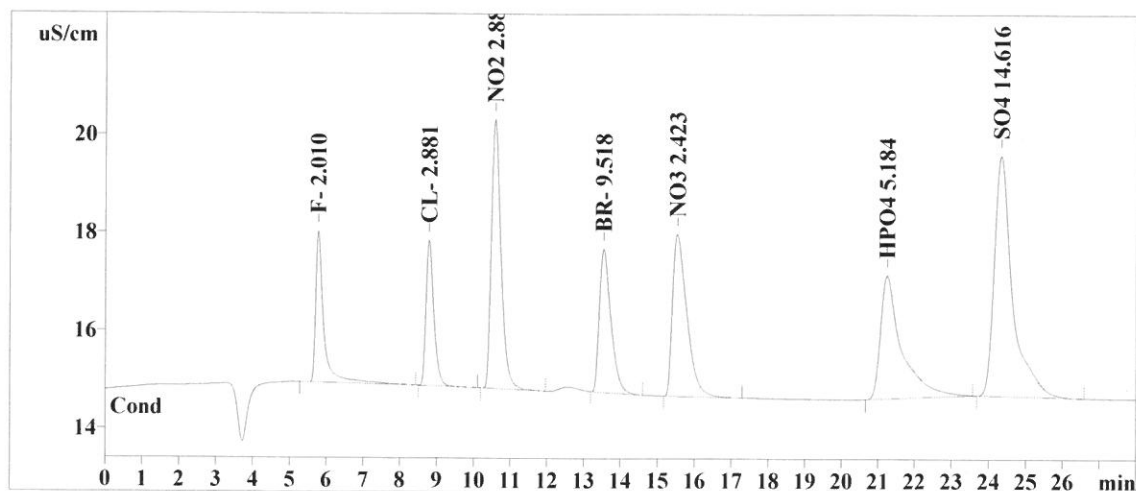
Ident: ICV
Analysis from: 9/11/2019 3:30:23 PM
File: _2019-09-11_

Last save: 9/11/2019 3:58:12 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68594

Last save: 9/11/2019 3:27:18 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	5.77	0.195	3.08	12.25	48.519	7.88	0.
2	8.78	0.221	2.96	11.76	43.968	7.14	0.
3	10.56	0.275	5.48	21.78	100.769	16.36	0.
4	13.53	0.327	2.92	11.61	63.285	10.27	0.
5	15.51	0.412	3.31	13.14	89.452	14.52	0.
6	21.24	0.494	2.51	9.96	101.579	16.49	0.
7	24.32	0.454	4.90	19.49	168.513	27.35	0.
7	28.00	0.340	25.16	99.99	616.085	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/16/2019 10:48:24 AM
Printed by: wet

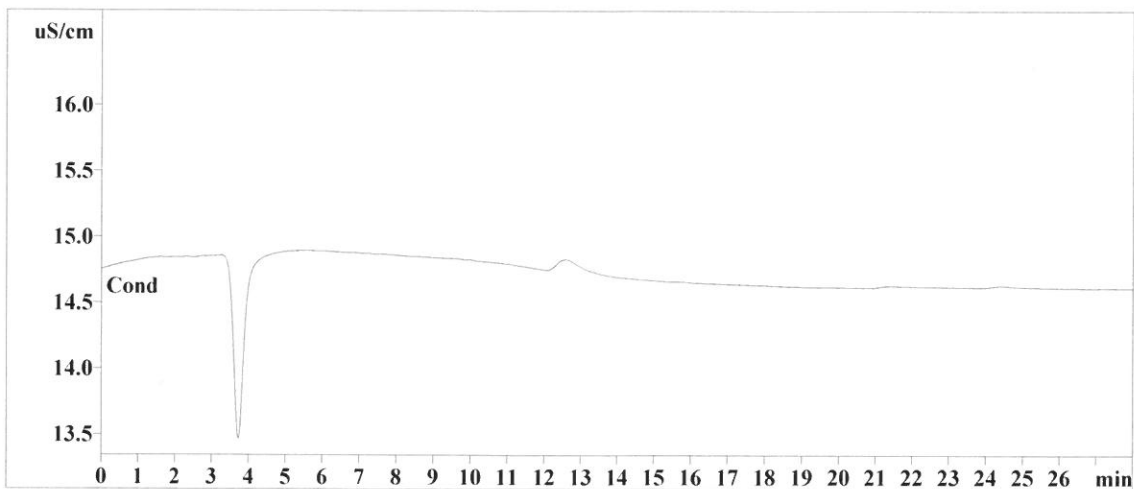
Ident: ICB
Analysis from: 9/11/2019 4:01:17 PM
File: _2019-09-11_

Last save: 9/11/2019 4:29:06 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68595

Last save: 9/11/2019 3:40:50 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: 9/25/2019 1:07:49 PM
 Printed by: wet

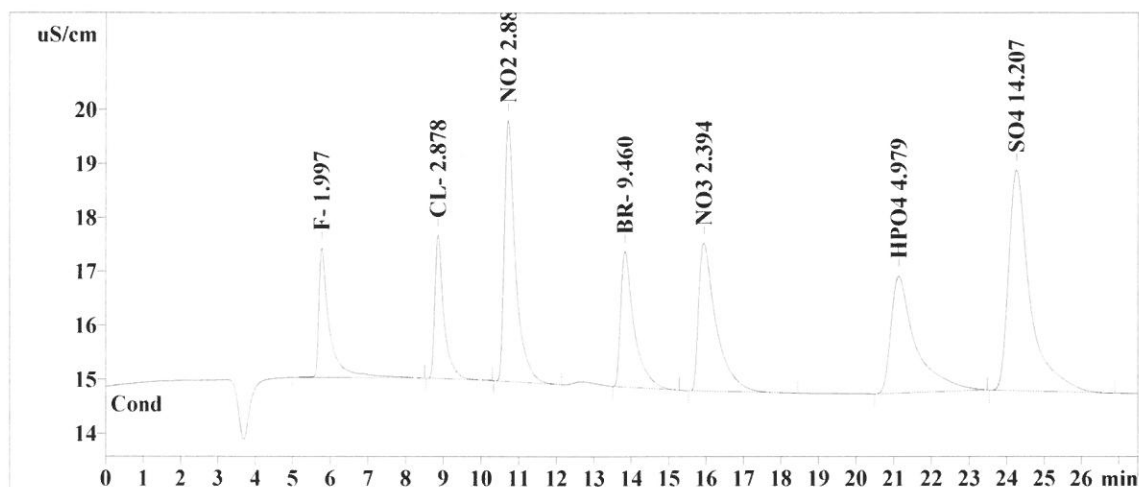
Ident: CCV
 Analysis from: 9/24/2019 9:52:18 AM
 File: _2019-09-24_

Last save: 9/24/2019 10:19:38 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68702

Last save: 9/13/2019 1:05:12 PM

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	5.77	0.238	2.39	11.17	48.195	7.96	0.
2	8.86	0.224	2.66	12.42	43.919	7.26	0.
3	10.71	0.289	4.84	22.60	100.493	16.60	0.
4	13.83	0.345	2.51	11.74	62.887	10.39	0.
5	15.93	0.447	2.75	12.82	88.340	14.59	0.
6	21.13	0.576	2.16	10.11	97.863	16.17	0.
7	24.25	0.533	4.10	19.12	163.657	27.03	0.
7	27.50	0.379	21.41	99.98	605.355	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/25/2019 1:07:58 PM
Printed by: wet

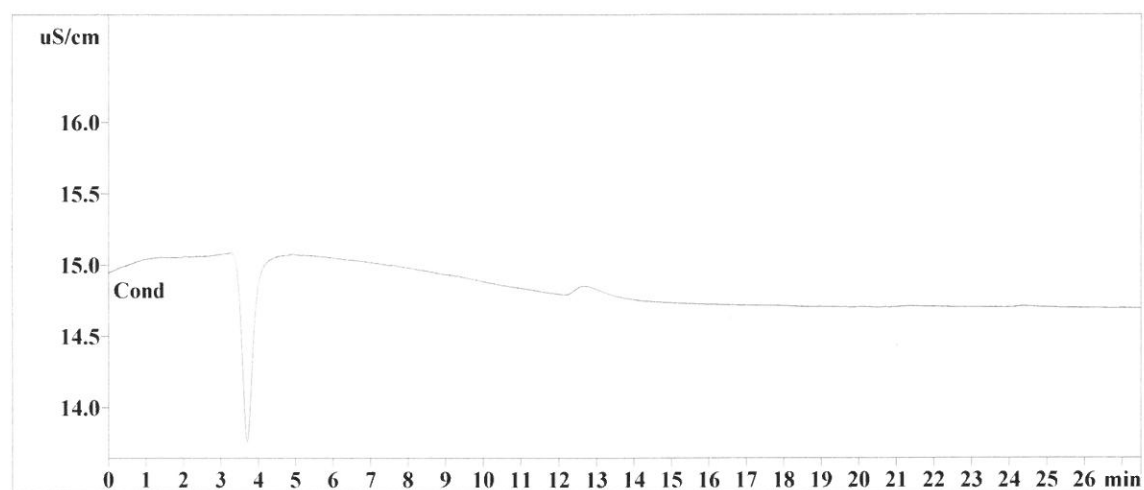
Ident: CCB
Analysis from: 9/24/2019 10:23:41 AM
File: _2019-09-24_

Last save: 9/24/2019 10:51:00 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68703

Last save: 9/13/2019 1:05:12 PM

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: 9/25/2019 1:08:06 PM
Printed by: wet

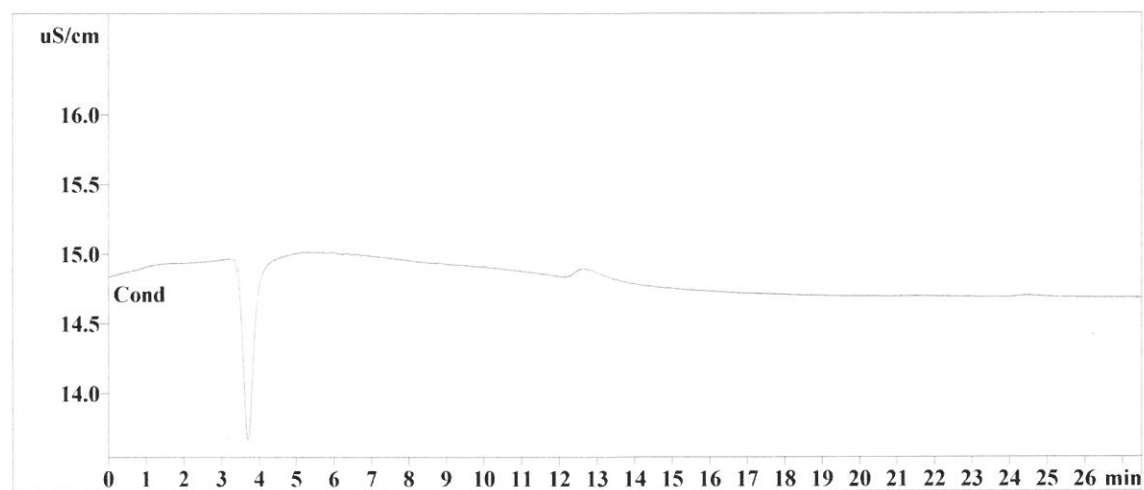
Ident: LB105318BLW
Analysis from: 9/24/2019 10:54:05 AM
File: _2019-09-24_

Last save: 9/25/2019 1:06:52 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68704

Last save: 9/13/2019 1:05:12 PM

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: 9/25/2019 1:08:14 PM
Printed by: wet

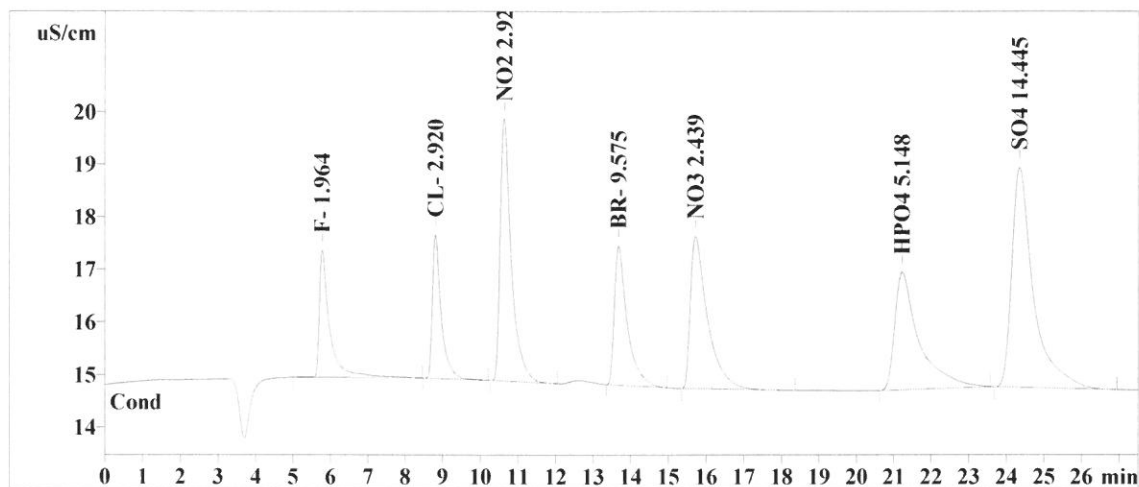
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Analysis from: 9/24/2019 11:24:30 AM
File: _2019-09-24_

Last save: 9/25/2019 1:06:52 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68705

Last save: 9/13/2019 1:05:12 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	5.77	0.236	2.41	10.92	47.397	7.70	0.
2	8.81	0.225	2.73	12.36	44.583	7.25	0.
3	10.62	0.289	4.99	22.60	102.216	16.61	0.
4	13.67	0.337	2.64	11.95	63.686	10.35	0.
5	15.71	0.437	2.89	13.10	90.048	14.63	0.
6	21.22	0.577	2.24	10.13	100.932	16.40	0.
7	24.34	0.534	4.18	18.94	166.478	27.05	0.
7	27.50	0.376	22.08	99.99	615.341	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:08:30 PM
Printed by: wet

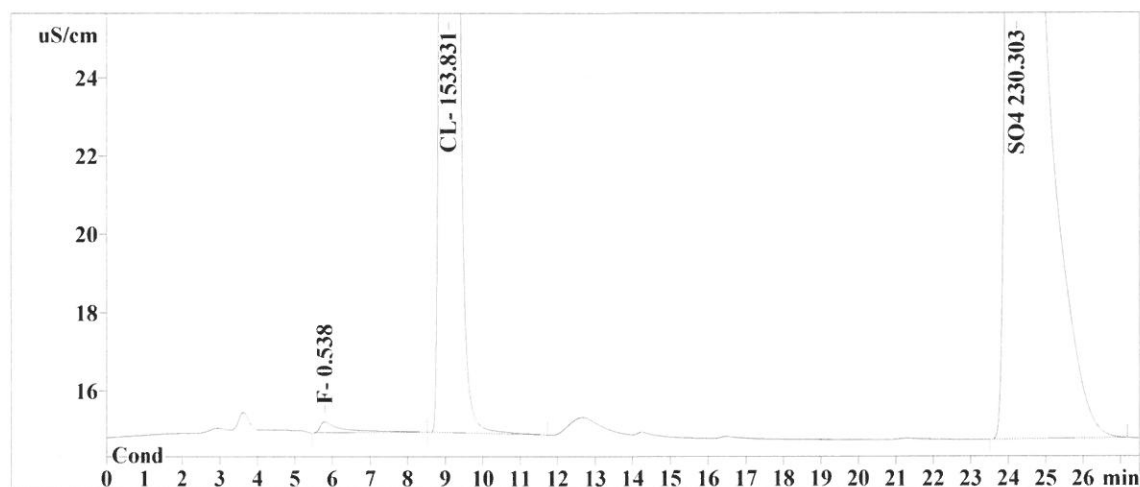
Ident: K5019-01
Analysis from: 9/24/2019 3:54:55 PM
File: _2019-09-24_

Last save: 9/24/2019 4:22:14 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68707

Last save: 9/13/2019 1:05:12 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	5.79	0.448	0.29	0.15	12.652	0.25	0.
2	9.08	0.280	128.08	66.83	2398.547	46.63	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	24.21	0.588	63.29	33.02	2733.092	53.13	0.
7	27.50	0.188	191.65	99.99	5144.292	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:08:42 PM
 Printed by: wet

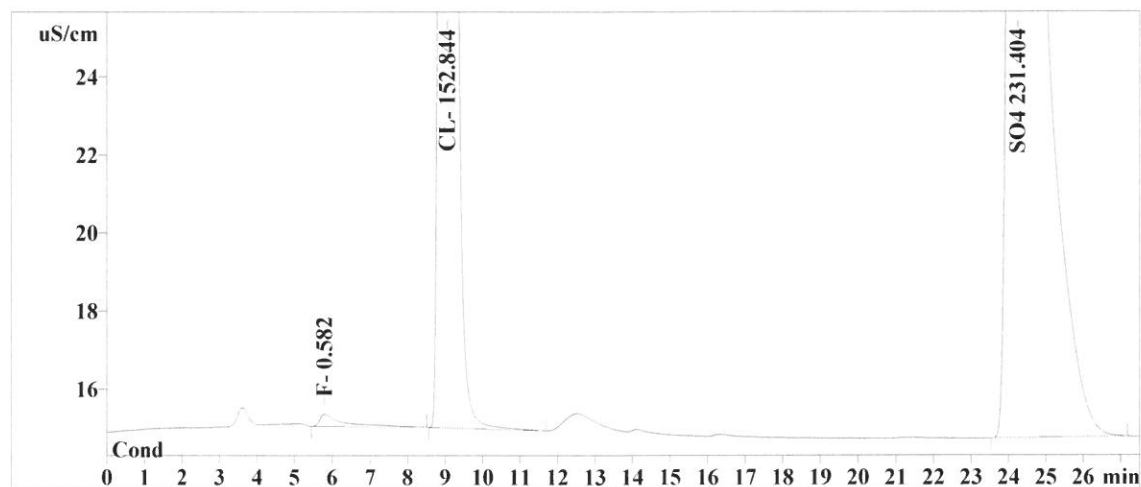
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 Analysis from: 9/24/2019 4:25:20 PM
 File: _2019-09-24_

Last save: 9/24/2019 4:52:40 PM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68708

Last save: 9/13/2019 1:05:12 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	5.80	0.451	0.31	0.16	13.737	0.27	0.
2	9.05	0.279	128.22	67.09	2383.158	46.34	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	24.23	0.601	62.59	32.75	2746.184	53.40	0.
7	27.50	0.190	191.12	100.00	5143.080	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/25/2019 1:09:01 PM
Printed by: wet

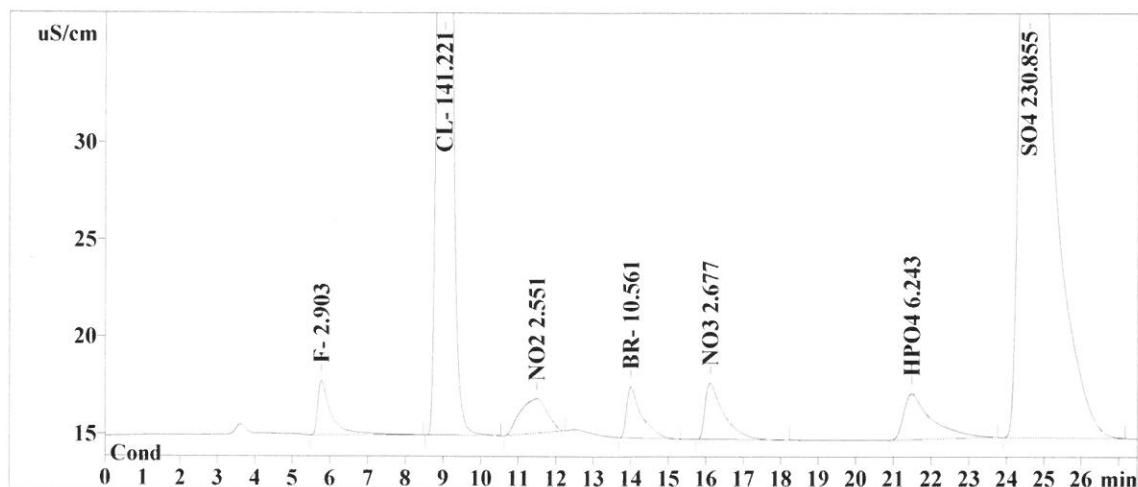
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Analysis from: 9/24/2019 4:55:45 PM
File: _2019-09-24_

Last save: 9/24/2019 5:23:04 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68709

Last save: 9/13/2019 1:05:12 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	5.78	0.309	2.78	1.37	70.279	1.30	0.
2	9.01	0.256	128.75	63.59	2201.850	40.84	0.
3	11.49	0.859	1.77	0.87	88.604	1.64	0.
4	14.01	0.363	2.60	1.28	70.513	1.31	0.
5	16.11	0.483	2.88	1.42	99.131	1.84	0.
6	21.48	0.658	2.36	1.17	120.813	2.24	0.
7	24.57	0.619	61.32	30.29	2739.662	50.82	0.
7	27.50	0.507	202.47	99.99	5390.851	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:09:12 PM
Printed by: wet

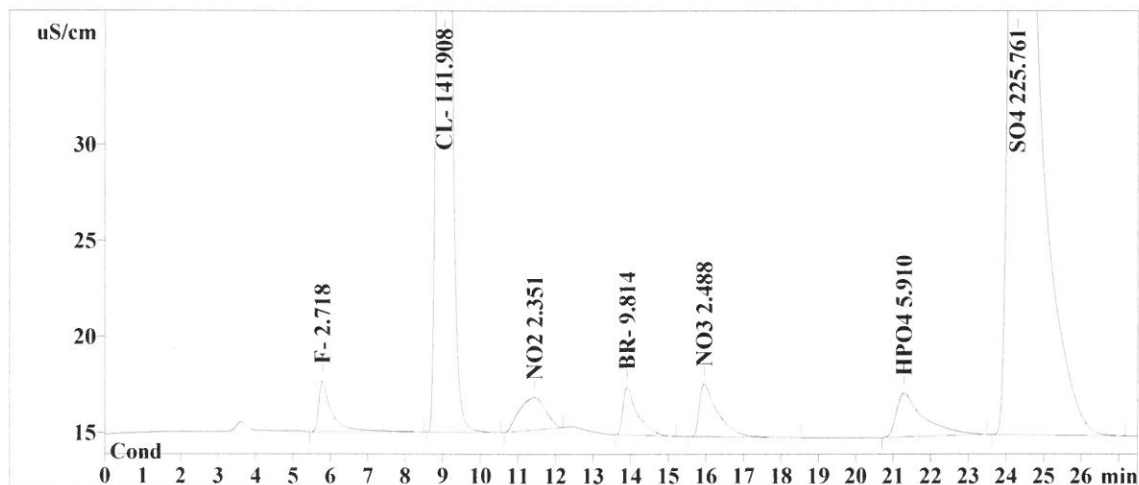
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Analysis from: 9/24/2019 5:26:10 PM
File: _2019-09-24_

Last save: 9/24/2019 5:53:30 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68710

Last save: 9/13/2019 1:05:12 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	5.79	0.304	2.61	1.29	65.769	1.24	0.
2	9.02	0.254	130.32	64.23	2212.566	41.66	0.
3	11.44	0.819	1.69	0.83	81.394	1.53	0.
4	13.91	0.355	2.48	1.22	65.342	1.23	0.
5	15.95	0.468	2.75	1.36	91.902	1.73	0.
6	21.29	0.654	2.27	1.12	114.759	2.16	0.
7	24.29	0.611	60.76	29.94	2679.092	50.45	0.
7	27.50	0.495	202.89	99.99	5310.824	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:09:28 PM
Printed by: wet

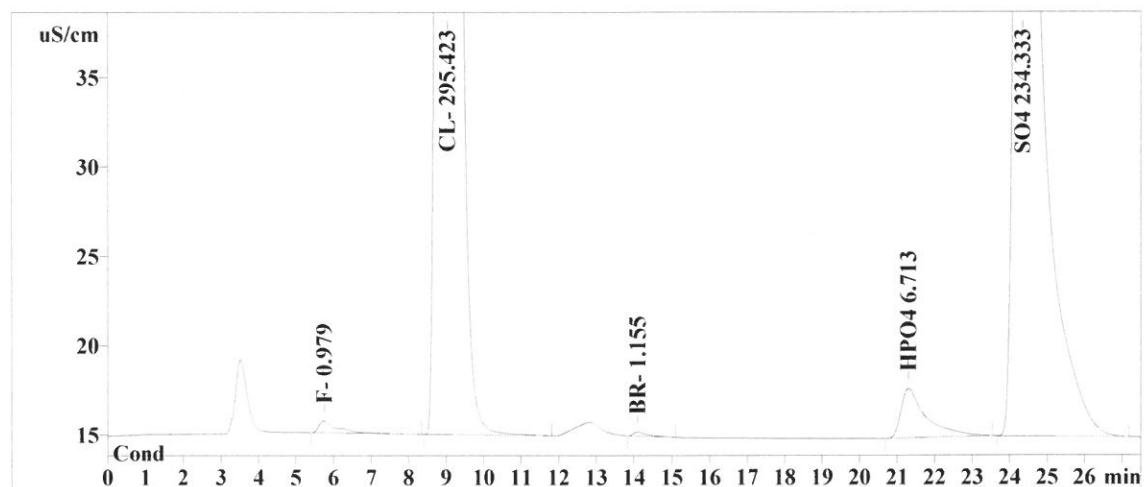
Ident: K5019-02
Analysis from: 9/24/2019 5:56:35 PM
File: _2019-09-24_

Last save: 9/24/2019 6:23:54 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68711

Last save: 9/13/2019 1:05:12 PM

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	5.75	0.401	0.66	0.32	23.397	0.31	0.
2	9.03	0.529	140.29	67.74	4607.156	61.05	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	14.10	0.328	0.22	0.11	5.350	0.07	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	21.30	0.593	2.77	1.34	129.344	1.71	0.
7	24.34	0.609	63.15	30.49	2781.015	36.85	0.
7	27.50	0.351	207.09	100.00	7546.261	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:10:00 PM
 Printed by: wet

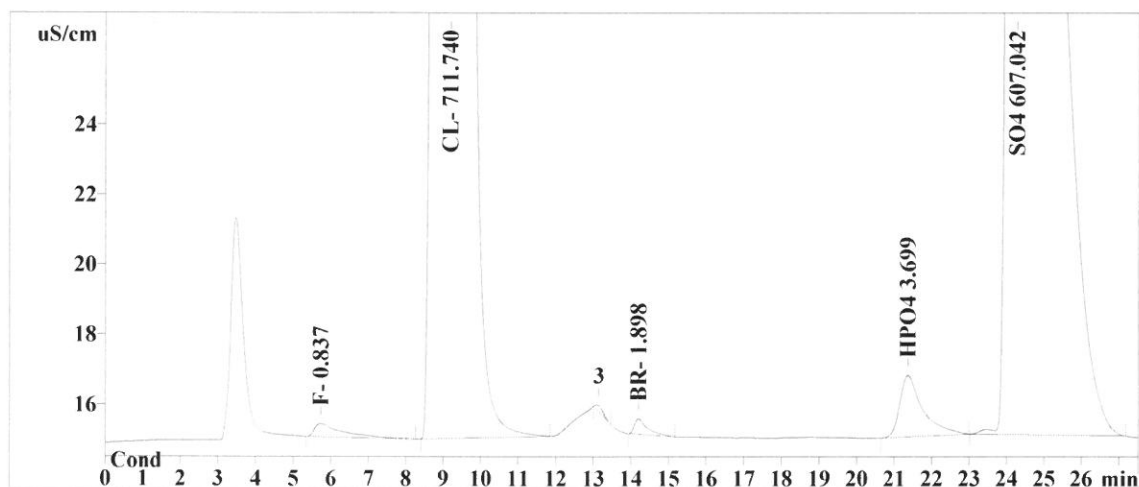
Ident: K5019-03
 Analysis from: 9/24/2019 6:27:00 PM
 File: _2019-09-24_

Last save: 9/25/2019 1:09:58 PM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68712

Last save: 9/13/2019 1:05:12 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.72	0.675	0.38	0.09	19.952	0.11	0.
2	9.17	0.615	286.97	65.55	11101.044	60.26	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	14.20	0.320	0.44	0.10	10.502	0.06	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	21.36	0.569	1.76	0.40	74.618	0.41	0.
7	24.26	0.691	148.08	33.82	7212.628	39.15	0.
7	27.50	0.410	437.62	99.96	18418.745	99.99	0.

This report has been created by IC Net
 METROHM LTD

Report date: 9/25/2019 1:11:59 PM
Printed by: wet

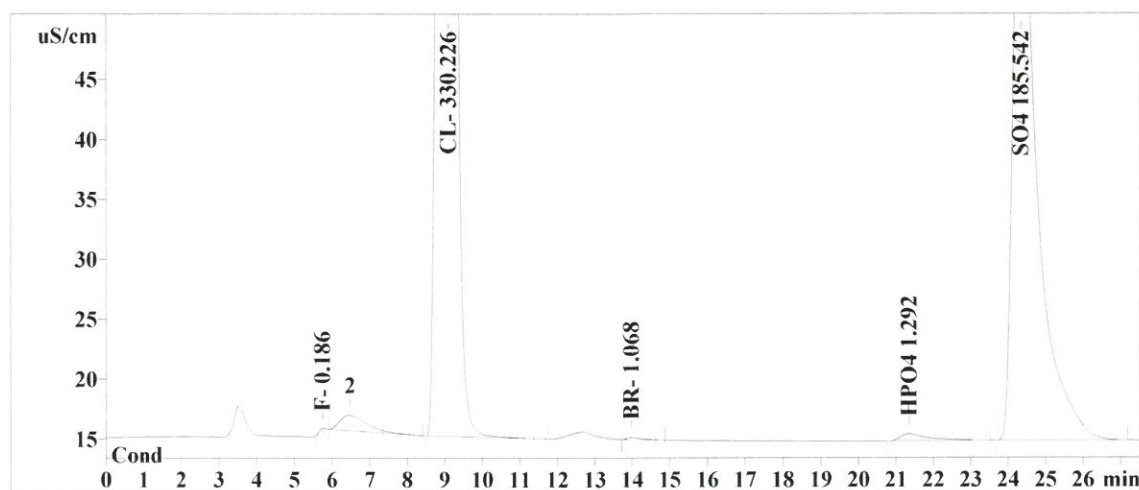
Ident: K5019-04
Analysis from: 9/24/2019 6:57:25 PM
File: _2019-09-24_

Last save: 9/25/2019 1:11:44 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68713

Last save: 9/13/2019 1:05:12 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	5.73	0.202	0.34	0.13	4.080	0.05	0.
2	9.08	0.383	209.13	79.78	5150.037	69.09	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.97	0.340	0.19	0.07	4.748	0.06	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	21.34	0.688	0.59	0.23	30.902	0.41	0.
7	24.33	0.602	50.57	19.29	2200.872	29.52	0.
7	27.50	0.316	260.83	99.50	7390.639	99.14	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:12:09 PM
Printed by: wet

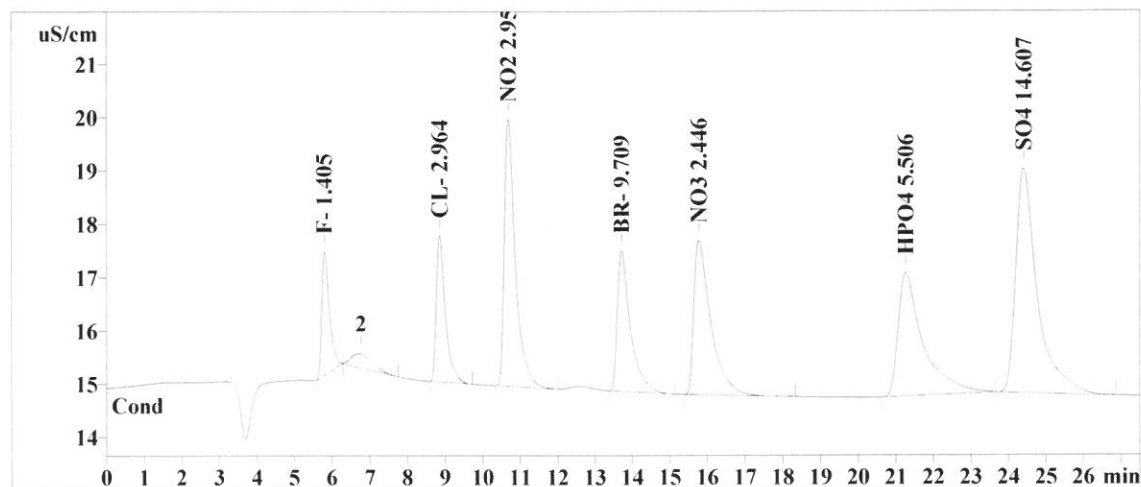
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Analysis from: 9/24/2019 7:27:49 PM
File: _2019-09-24_

Last save: 9/24/2019 7:55:08 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68714

Last save: 9/13/2019 1:05:12 PM

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	5.80	0.215	2.32	10.37	33.783	5.42	0.
2	8.85	0.233	2.75	12.27	45.270	7.26	0.
3	10.67	0.294	5.00	22.32	103.217	16.56	0.
4	13.71	0.347	2.63	11.74	64.611	10.36	0.
5	15.77	0.445	2.90	12.92	90.324	14.49	0.
6	21.27	0.598	2.33	10.38	107.426	17.23	0.
7	24.40	0.542	4.21	18.80	168.409	27.01	0.
7	27.50	0.382	22.14	98.79	613.039	98.34	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:12:17 PM
Printed by: wet

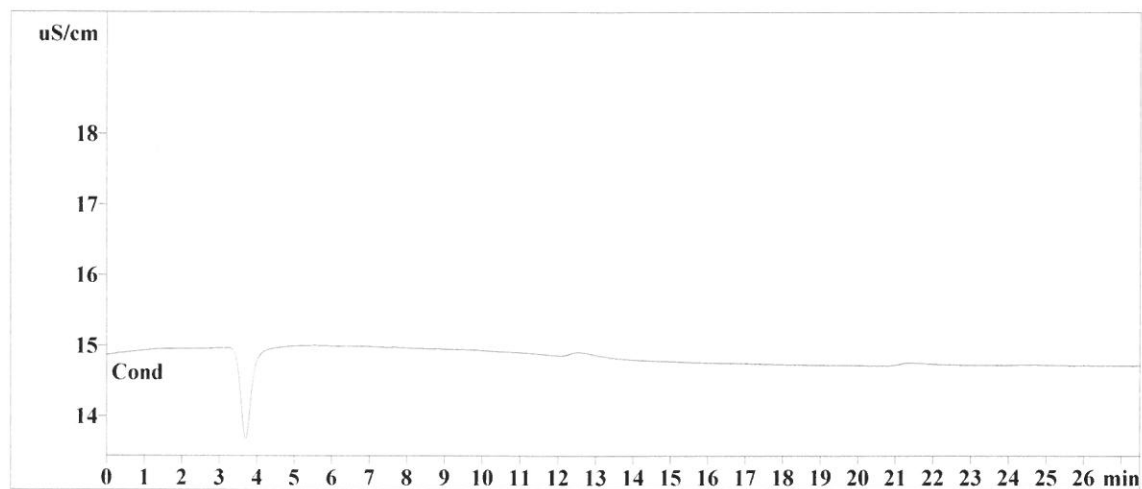
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Analysis from: 9/24/2019 7:58:14 PM
File: _2019-09-24_

Last save: 9/24/2019 8:25:34 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68715

Last save: 9/13/2019 1:05:12 PM

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: 9/25/2019 1:12:26 PM
Printed by: wet

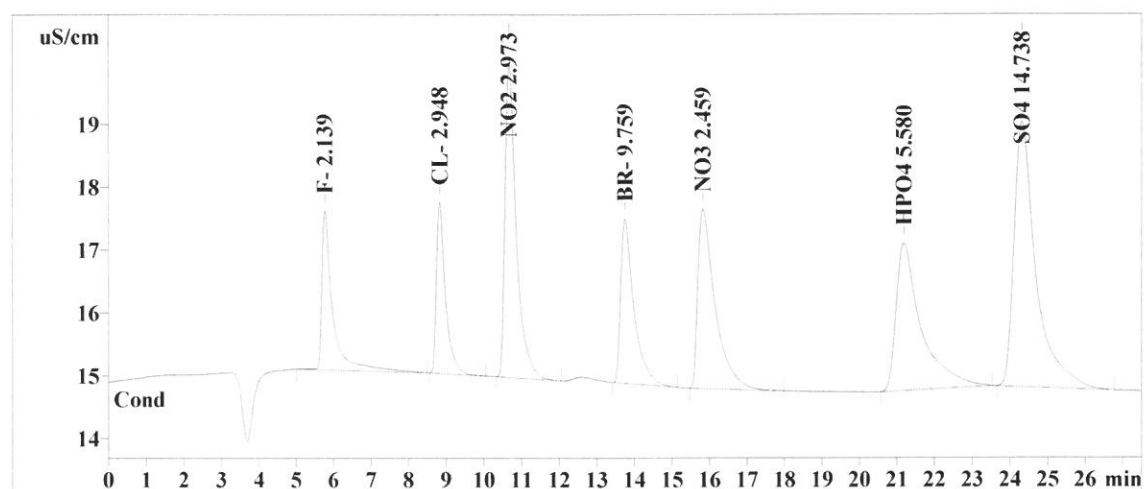
Ident: CCV
Analysis from: 9/25/2019 8:43:34 AM
File: _2019-09-25_

Last save: 9/25/2019 9:10:54 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68719

Last save: 9/13/2019 1:05:12 PM

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	5.77	0.238	2.52	11.34	51.664	8.14	0.
2	8.83	0.231	2.72	12.24	45.011	7.09	0.
3	10.66	0.298	4.97	22.35	103.821	16.35	0.
4	13.75	0.351	2.61	11.74	64.957	10.23	0.
5	15.82	0.453	2.85	12.80	90.808	14.30	0.
6	21.19	0.601	2.34	10.54	108.766	17.13	0.
7	24.32	0.545	4.22	18.98	169.971	26.77	0.
7	27.50	0.388	22.25	99.99	634.999	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:12:34 PM
Printed by: wet

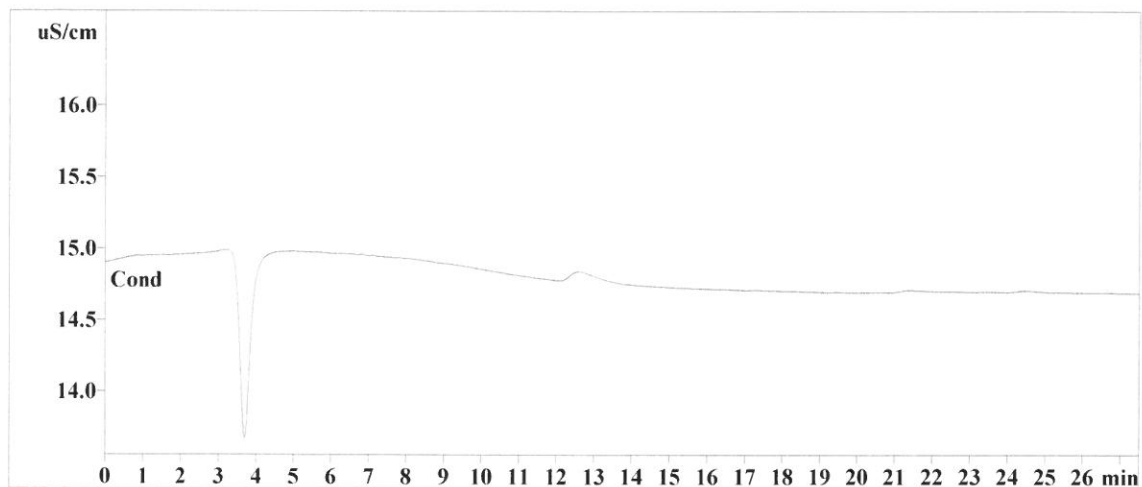
Ident: CCB
Analysis from: 9/25/2019 9:13:59 AM
File: _2019-09-25_

Last save: 9/25/2019 9:41:18 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68720

Last save: 9/13/2019 1:05:12 PM

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: 9/25/2019 1:12:42 PM
Printed by: wet

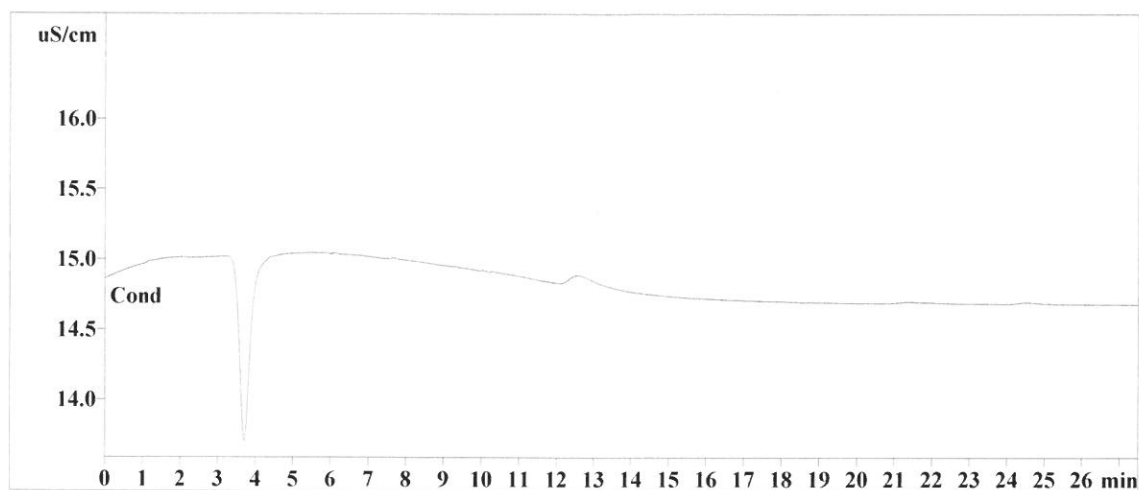
Ident: LB105318BLW2
Analysis from: 9/25/2019 9:44:24 AM
File: _2019-09-25_

Last save: 9/25/2019 1:07:20 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68721

Last save: 9/13/2019 1:05:12 PM

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
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Report date: 9/25/2019 1:12:52 PM
Printed by: wet

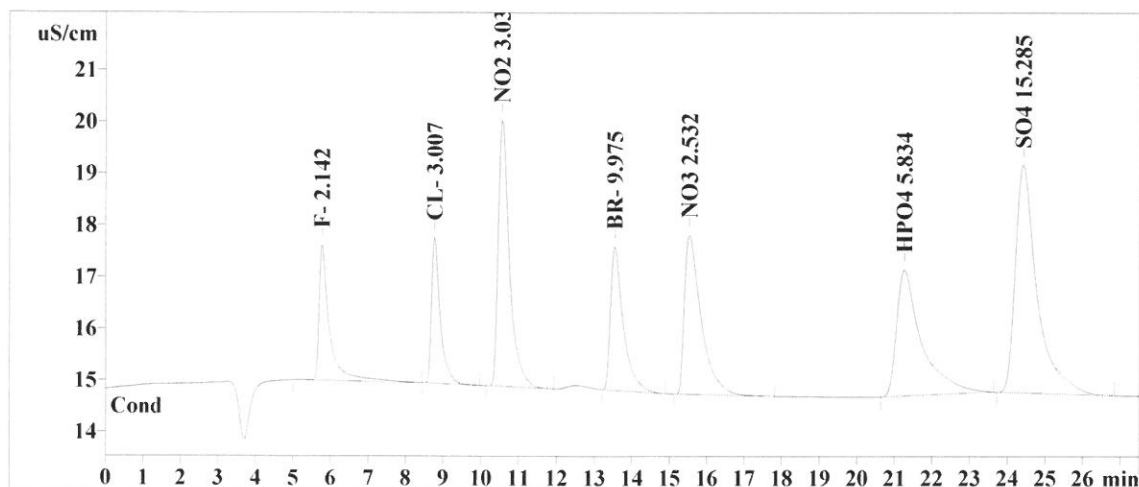
Ident: LB105318BSW2
Analysis from: 9/25/2019 10:14:49 AM
File: _2019-09-25_

Last save: 9/25/2019 1:07:20 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68722

Last save: 9/13/2019 1:05:12 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	5.77	0.238	2.60	11.20	51.729	7.91	0.
2	8.77	0.230	2.81	12.09	45.936	7.03	0.
3	10.55	0.297	5.14	22.11	106.144	16.24	0.
4	13.53	0.339	2.77	11.93	66.452	10.17	0.
5	15.53	0.437	3.08	13.24	93.612	14.32	0.
6	21.25	0.605	2.44	10.49	113.380	17.34	0.
7	24.41	0.547	4.40	18.93	176.470	26.99	0.
7	27.50	0.385	23.23	99.99	653.724	100.00	0.

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Report date: 9/25/2019 1:13:46 PM
Printed by: wet

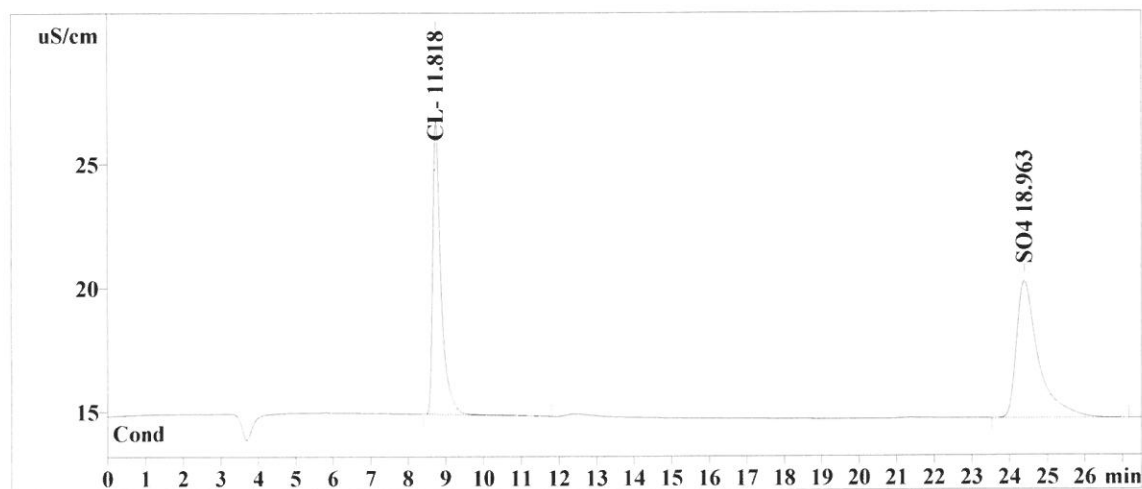
Ident: K5019-01DLX10
Analysis from: 9/25/2019 10:45:14 AM
File: _2019-09-25_

Last save: 9/25/2019 11:12:34 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68723

Last save: 9/13/2019 1:05:12 PM

SAMPLE:
: 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	8.75	0.214	11.84	68.22	183.370	45.44	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	24.39	0.541	5.52	31.78	220.201	54.56	0.
7	27.50	0.108	17.36	100.00	403.571	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 9/25/2019 1:15:16 PM
Printed by: wet

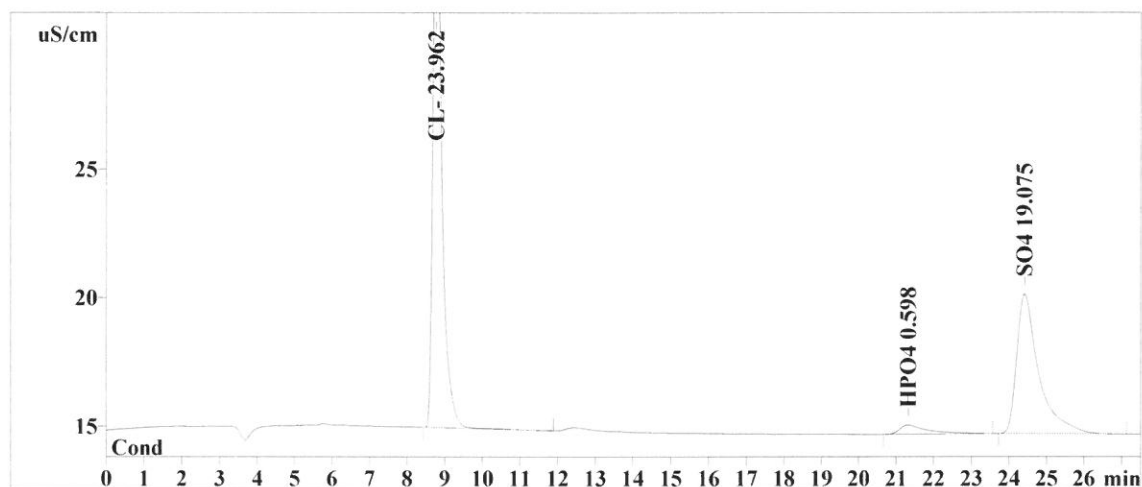
Ident: K5019-02DLX10
Analysis from: 9/25/2019 11:15:39 AM
File: _2019-09-25_

Last save: 9/25/2019 11:42:58 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68724

Last save: 9/13/2019 1:05:12 PM

SAMPLE:
: AK/AP
Vial number: 14
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.77	0.214	24.37	80.82	372.803	60.85	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	21.32	0.678	0.36	1.18	18.301	2.99	0.
7	24.41	0.552	5.43	18.00	221.534	36.16	0.
7	27.50	0.206	30.15	99.99	612.638	100.00	0.

This report has been created by IC Net
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Report date: 9/25/2019 1:15:47 PM
Printed by: wet

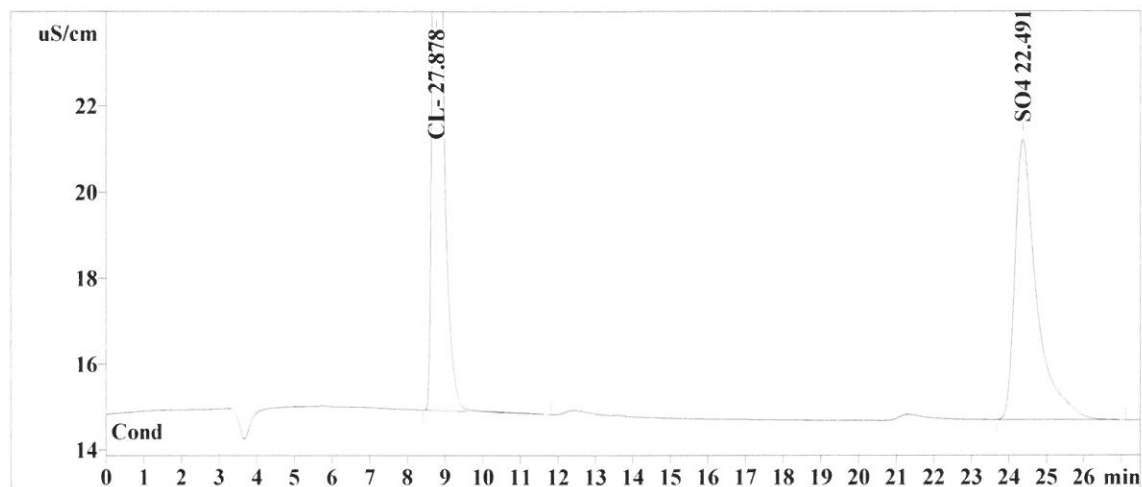
Ident: K5019-03DLX20
Analysis from: 9/25/2019 11:46:04 AM
File: _2019-09-25_

Last save: 9/25/2019 1:15:46 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68725

Last save: 9/13/2019 1:05:12 PM

SAMPLE:
: 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	8.76	0.208	29.10	81.71	433.891	62.34	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	24.36	0.546	6.51	18.29	262.147	37.66	0.
7	27.50	0.108	35.61	99.99	696.038	100.00	0.

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Report date: 9/25/2019 1:16:27 PM
Printed by: wet

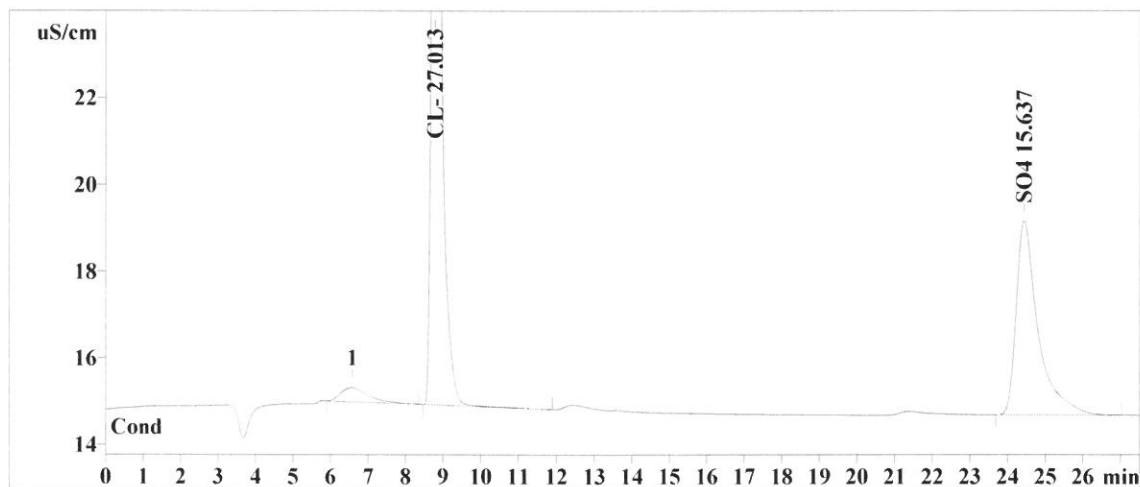
Ident: K5019-04DLX10
Analysis from: 9/25/2019 12:16:29 PM
File: _2019-09-25_

Last save: 9/25/2019 1:16:24 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68726

Last save: 9/13/2019 1:05:12 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height 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	0.208	28.22	85.42	420.385	68.00	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	24.43	0.547	4.48	13.57	180.661	29.22	0.
7	27.50	0.108	32.70	98.99	601.046	97.22	0.

This report has been created by IC Net
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Report date: 9/25/2019 1:16:36 PM
 Printed by: wet

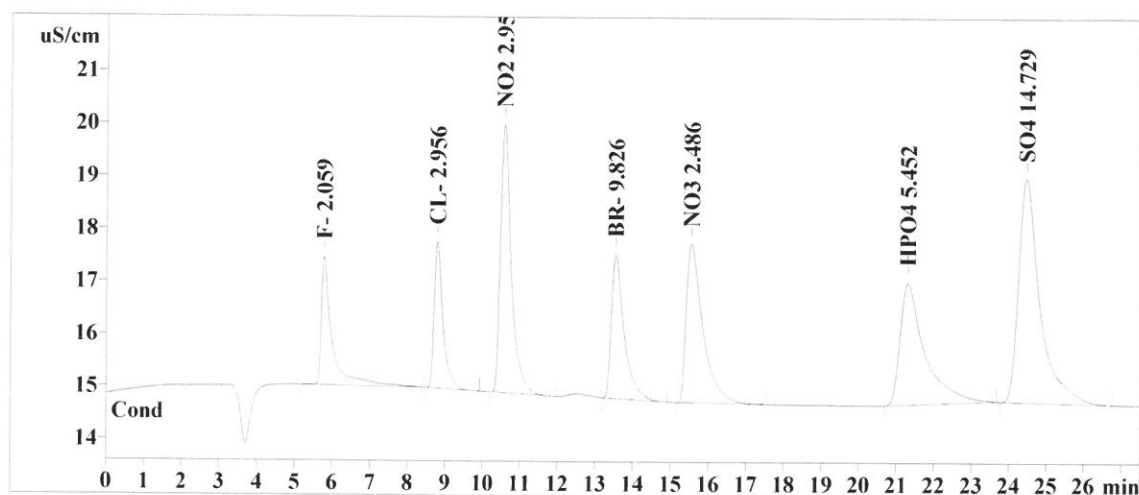
Ident: CCV
 Analysis from: 9/25/2019 12:46:53 PM
 File: _2019-09-25_

Last save: 9/25/2019 1:14:12 PM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68727

Last save: 9/13/2019 1:05:12 PM

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	5.78	0.232	2.43	10.75	49.704	7.87	0.
2	8.78	0.229	2.78	12.30	45.142	7.15	0.
3	10.56	0.291	5.10	22.51	103.178	16.34	0.
4	13.53	0.339	2.74	12.10	65.422	10.36	0.
5	15.54	0.437	3.02	13.32	91.861	14.54	0.
6	21.30	0.598	2.32	10.23	106.449	16.85	0.
7	24.45	0.545	4.25	18.78	169.855	26.89	0.
7	27.50	0.382	22.64	99.99	631.611	100.00	0.

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Report date: 9/25/2019 1:46:26 PM
Printed by: wet

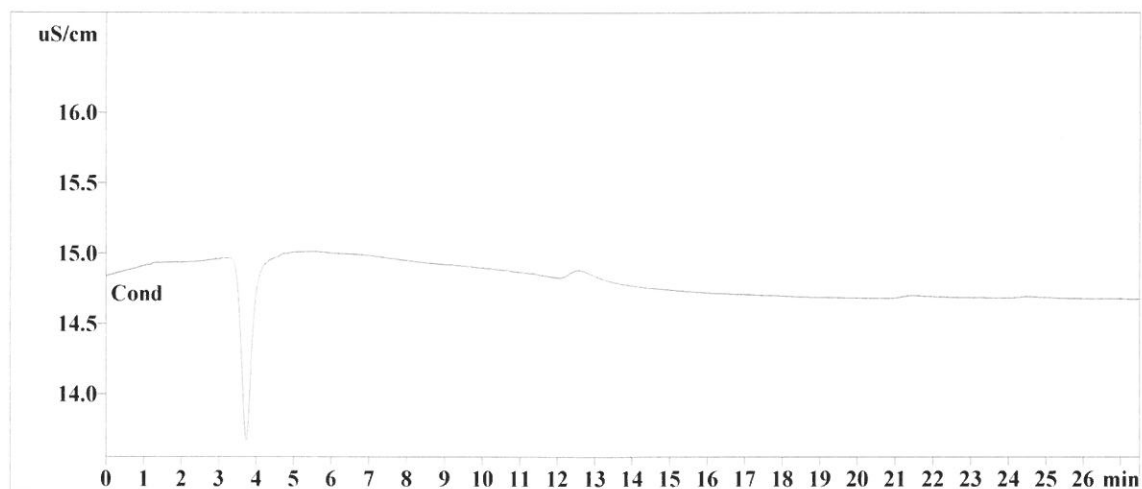
Ident: CCB
Analysis from: 9/25/2019 1:17:18 PM
File: _2019-09-25_

Last save: 9/25/2019 1:44:38 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68728

Last save: 9/13/2019 1:05:12 PM

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



Quantitation method: Custom

No peaks

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METROHM LTD