

Clear table

TC-1 300.0
10-08-19 AD

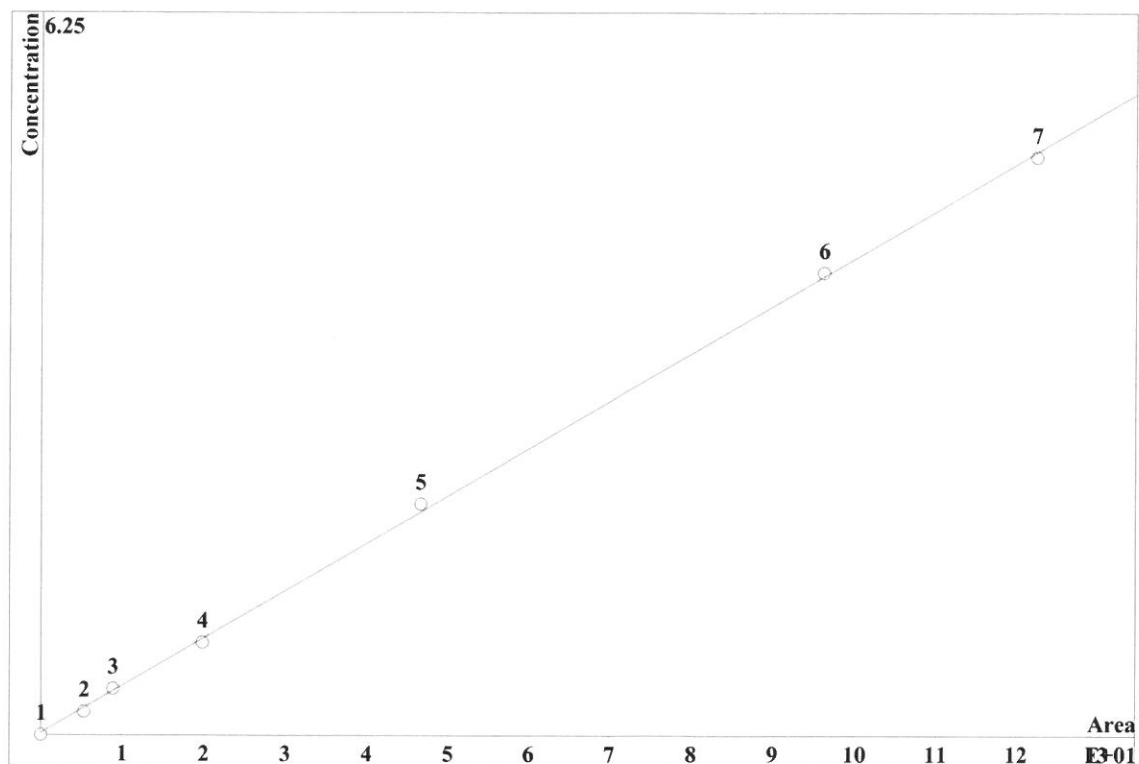
ident	concentra tion F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final Vol	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-09-11_	9/11/19 11:54		AK/AP
STD2	0.2370	0.3870	0.3840	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	1.9410	3.0000	2.8950	9.6160	2.4100	4.7590	14.3710	_2019-10-02_	10/2/19 9:58		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 10:40		AK/AP
LB105422BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 11:11		AK/AP
LB105422BSW	1.9360	2.9250	2.9080	9.5950	2.4020	4.9000	14.3470	_2019-10-02_	10/2/19 11:41		AK/AP
K5127-03	0.2270	919.0960	0.0000	2.2700	0.0000	0.0000	41.0660	_2019-10-02_	10/2/19 12:12		AK/AP
K5127-04	0.0000	914.6100	0.0000	2.2470	0.0000	0.0000	39.7580	_2019-10-02_	10/2/19 12:42		AK/AP
K5154-03	0.5600	857.7170	0.0000	1.7270	0.0000	0.0000	103.0350	_2019-10-02_	10/2/19 13:43		AK/AP
K5154-04	0.9200	998.5420	0.0000	2.3410	1.8710	0.0000	106.8370	_2019-10-02_	10/2/19 14:13		AK/AP
K5154-05	0.0000	4666.2210	0.0000	10.0730	0.0000	0.0000	462.7720	_2019-10-02_	10/2/19 14:44		AK/AP
K5154-06	0.0000	4677.3880	0.0000	10.0040	0.0000	0.0000	460.6940	_2019-10-02_	10/2/19 15:14		AK/AP
K5154-06DUP	0.0000	4628.3420	0.0000	10.0670	0.0000	0.0000	460.5000	_2019-10-02_	10/2/19 15:45		AK/AP
CCV	1.7080	3.1070	2.8880	9.6260	2.4210	4.8440	14.4440	_2019-10-02_	10/2/19 16:15		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 16:45		AK/AP
K5154-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 17:16		AK/AP
K5154-06MS	2.3510	4189.9830	0.6680	19.4540	2.5510	5.0450	437.8080	_2019-10-02_	10/2/19 17:46		AK/AP
K5154-06MSD	2.2610	4247.3270	0.4690	19.3700	2.4760	5.0830	437.1850	_2019-10-02_	10/2/19 18:17		AK/AP
K5127-03DLX200	0.0000	3.2710	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 18:47		AK/AP
K5127-04DLX200	0.0000	3.1870	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 19:17		AK/AP
K5154-03DLX200	0.0000	2.8640	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 19:48		AK/AP
K5154-04DLX200	0.0000	3.3260	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 20:18		AK/AP
K5154-05DLX500	0.0000	6.2400	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 20:49		AK/AP
K5154-06DLX500	0.0000	5.9940	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 21:19		AK/AP
CCV	1.9790	3.0120	2.9550	9.6710	2.4370	4.8390	14.5160	_2019-10-02_	10/2/19 21:50		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2019-10-02_	10/2/19 22:20		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



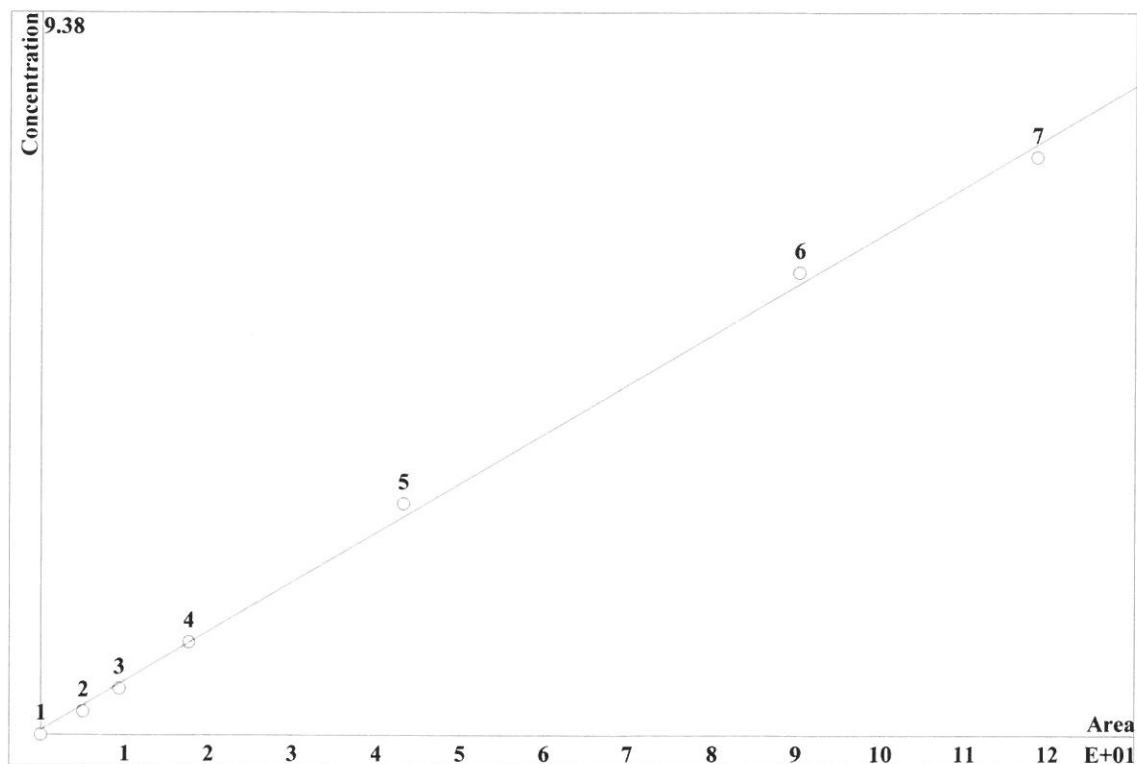
K3 = 0 K2 = 0 K1 = 0.821033 K0 = 0.364372

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:

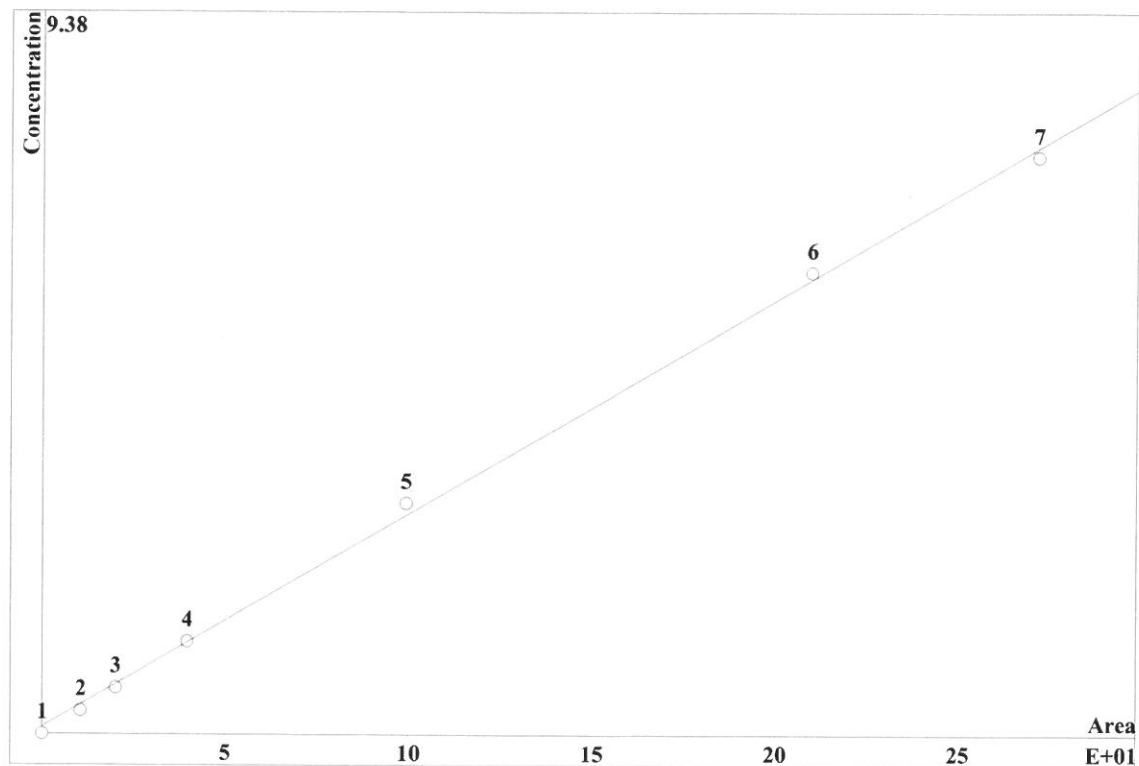
Formula: Linear

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



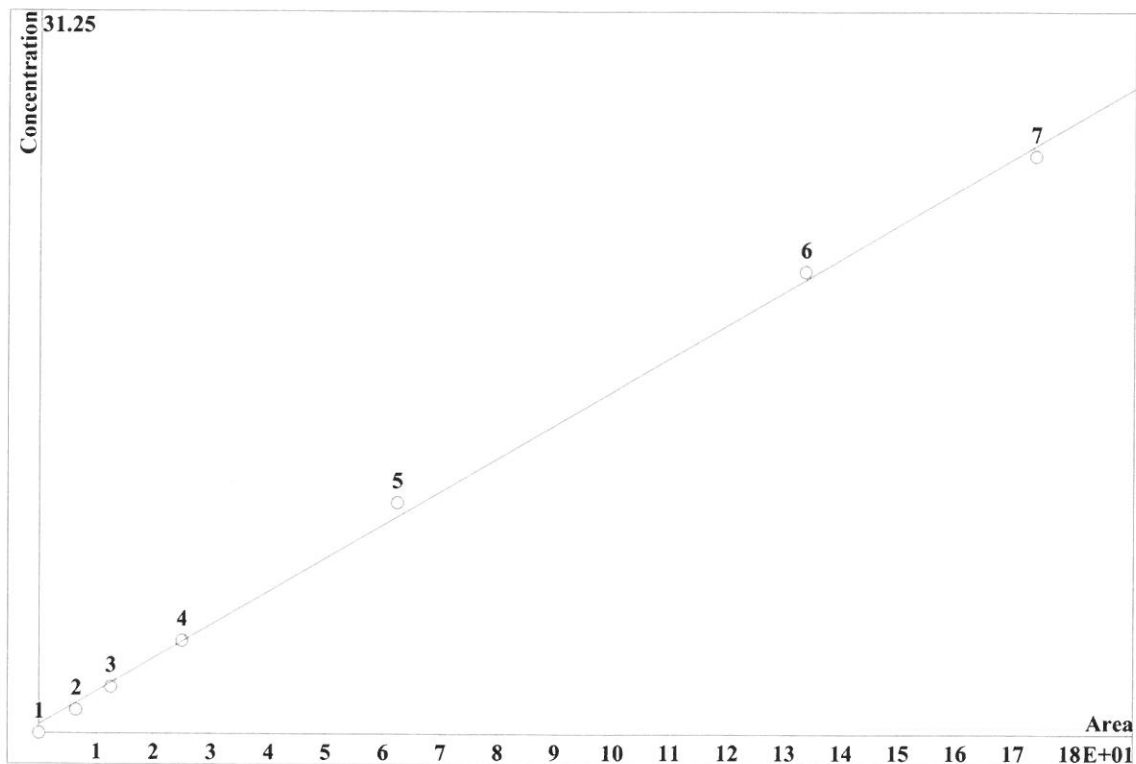
K3 = 0 K2 = 0 K1 = 0.554364 K0 = 1.90063

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



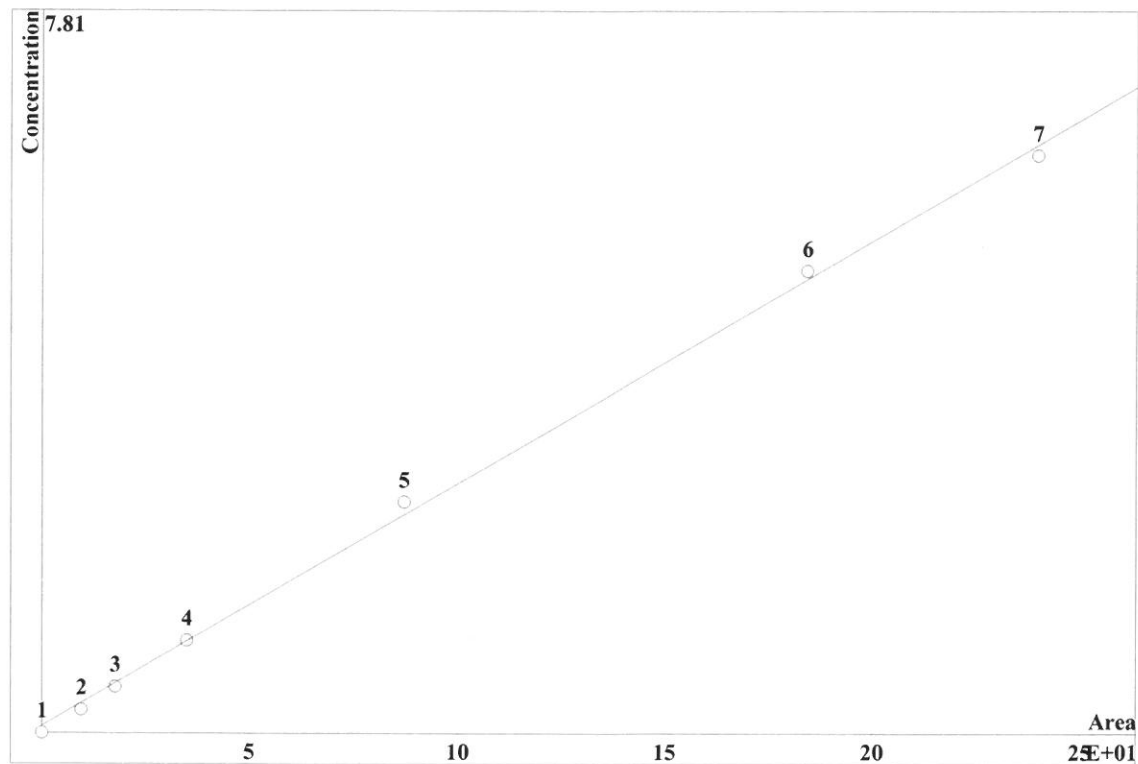
K3 = 0 K2 = 0 K1 = 2.88696 K0 = 7.64928

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



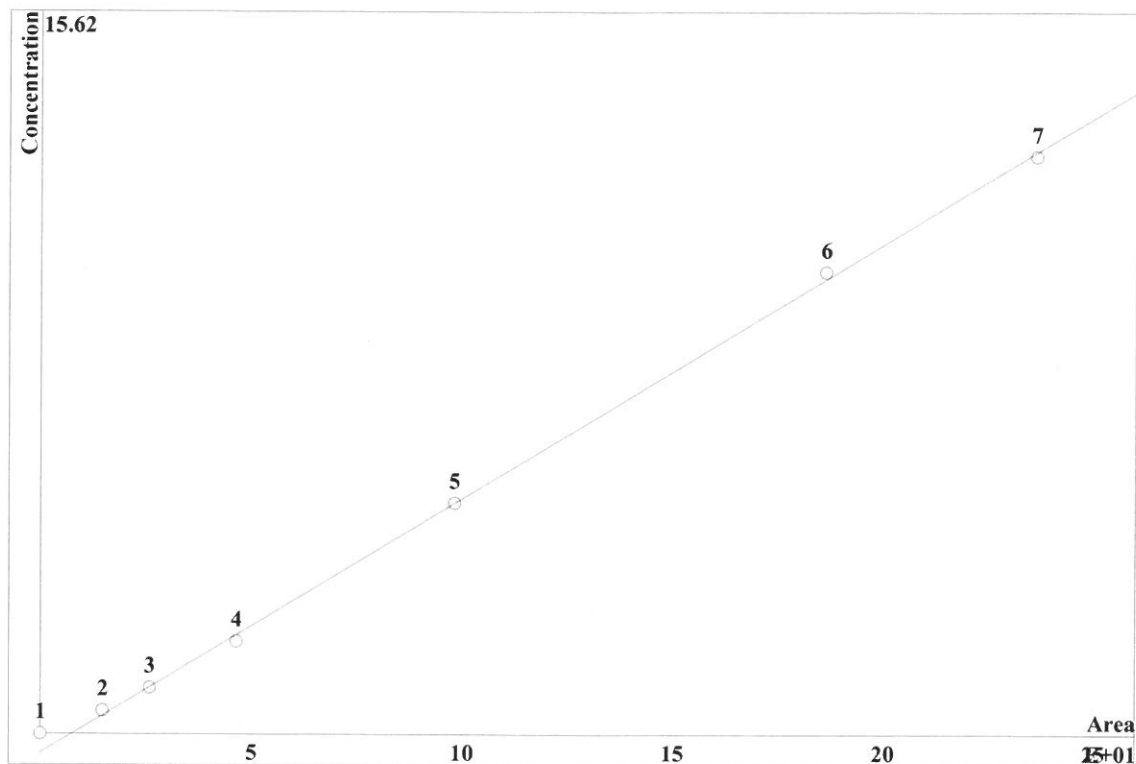
K3 = 0 K2 = 0 K1 = 0.524779 K0 = 1.52257

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

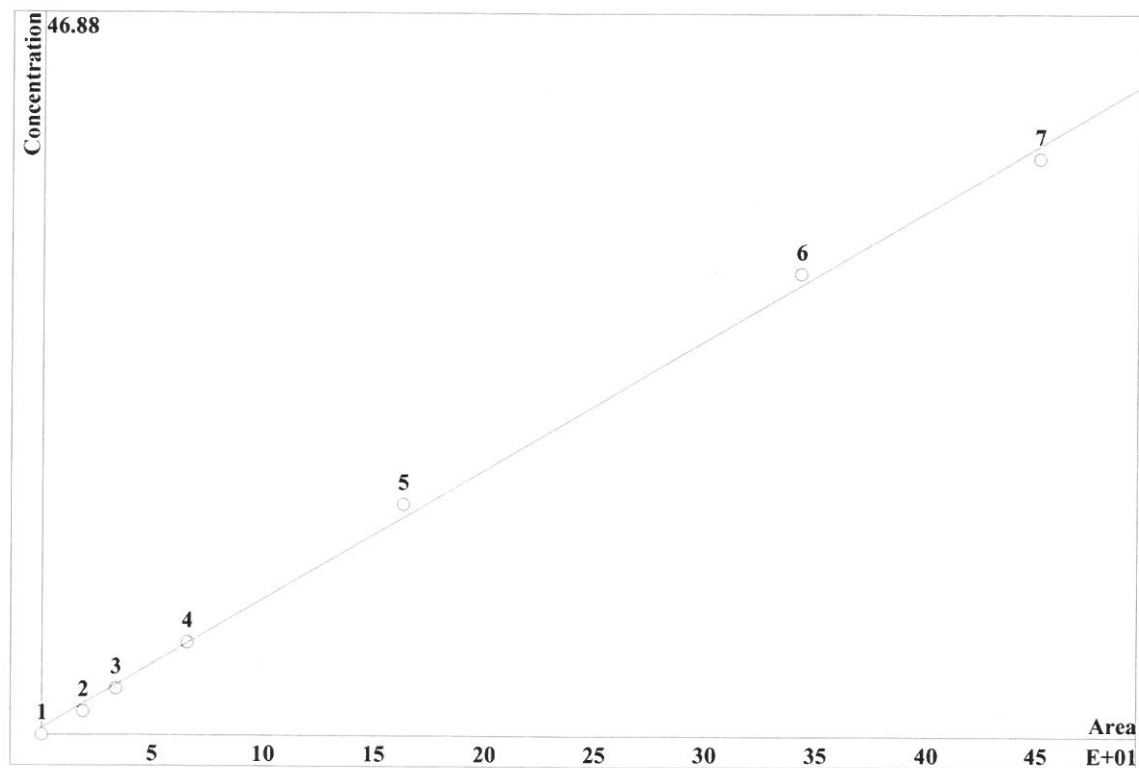
Weight: 1

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

AL

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

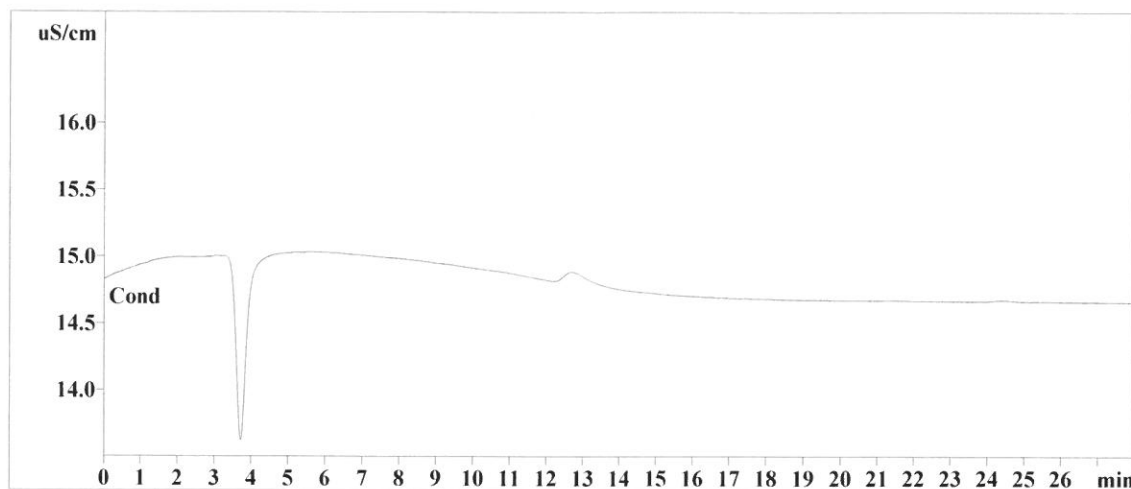
Ident: STD1
Analysis from: 9/11/2019 11:54:00 AM
File: _2019-09-11_

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

This report has been created by IC Net
METROHM LTD

Report date: 9/16/2019 10:46:47 AM
Printed by: wet

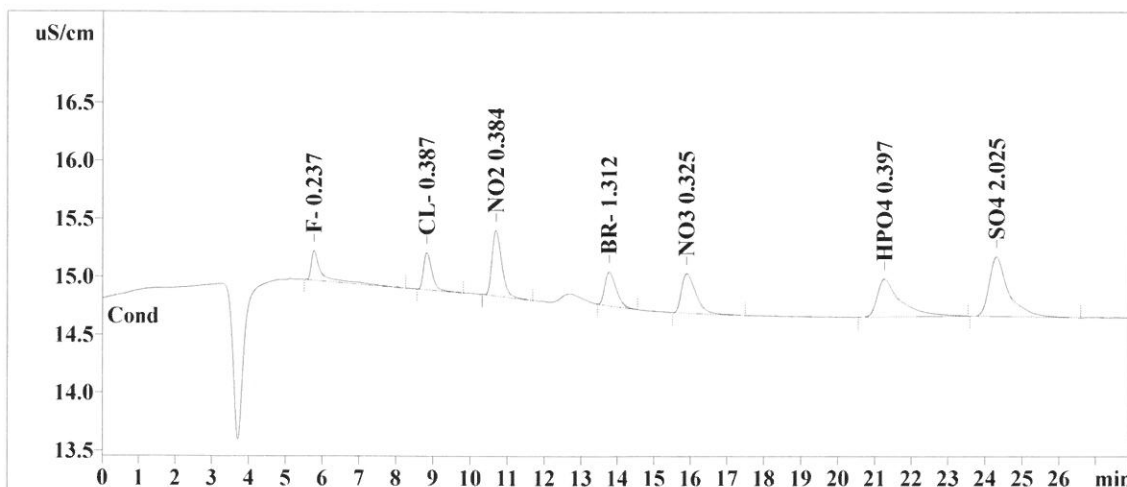
Ident: STD2
Analysis from: 9/11/2019 12:24:55 PM
File: _2019-09-11_

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.

This report has been created by IC Net
METROHM LTD

Report date: 9/16/2019 10:46:56 AM
Printed by: wet

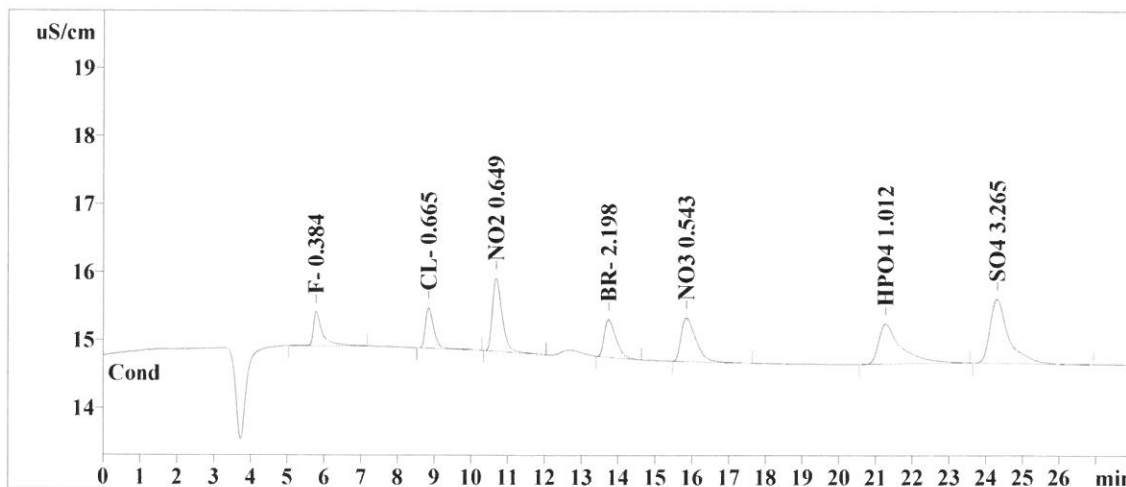
Ident: STD3
Analysis from: 9/11/2019 12:55:50 PM
File: _2019-09-11_

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.

This report has been created by IC Net
METROHM LTD

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

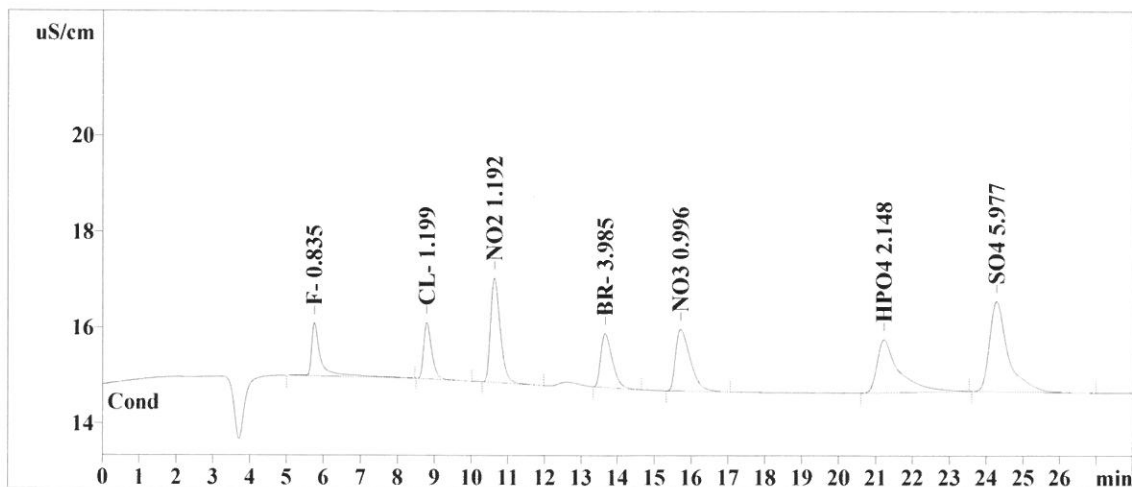
Ident: STD4
Analysis from: 9/11/2019 1:26:44 PM
File: _2019-09-11_

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

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

This report has been created by IC Net
METROHM LTD

Report date: 9/16/2019 10:47:25 AM
Printed by: wet

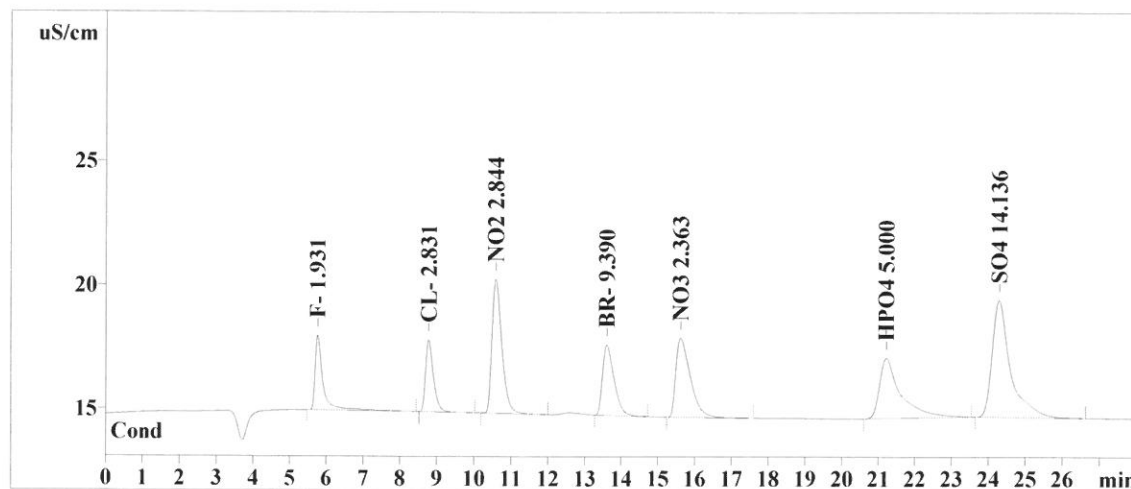
Ident: STD5
Analysis from: 9/11/2019 1:57:39 PM
File: _2019-09-11_

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
METROHM LTD

Report date: 9/16/2019 10:47:34 AM
Printed by: wet

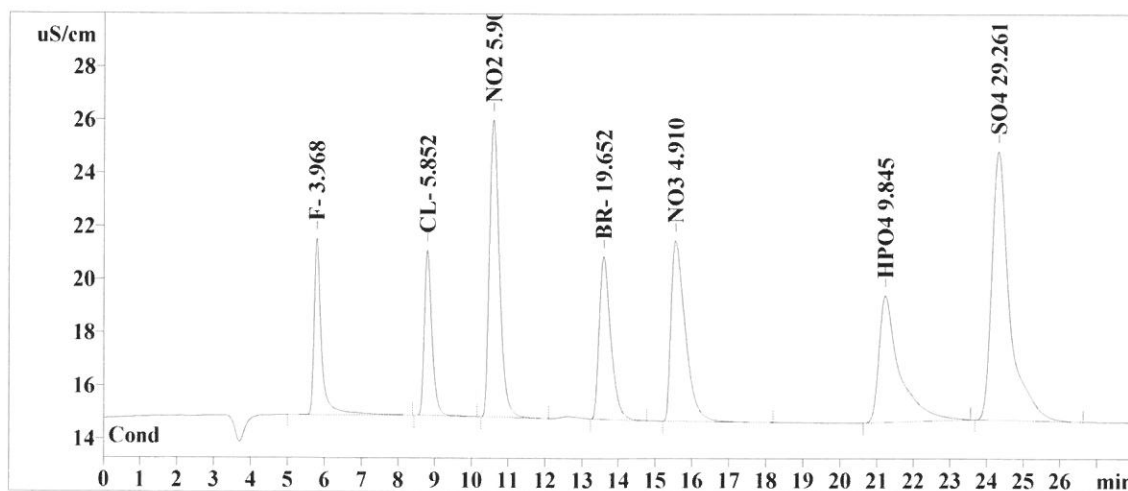
Ident: STD6
Analysis from: 9/11/2019 2:28:34 PM
File: _2019-09-11_

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

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

Report date: 9/16/2019 10:47:42 AM
Printed by: wet

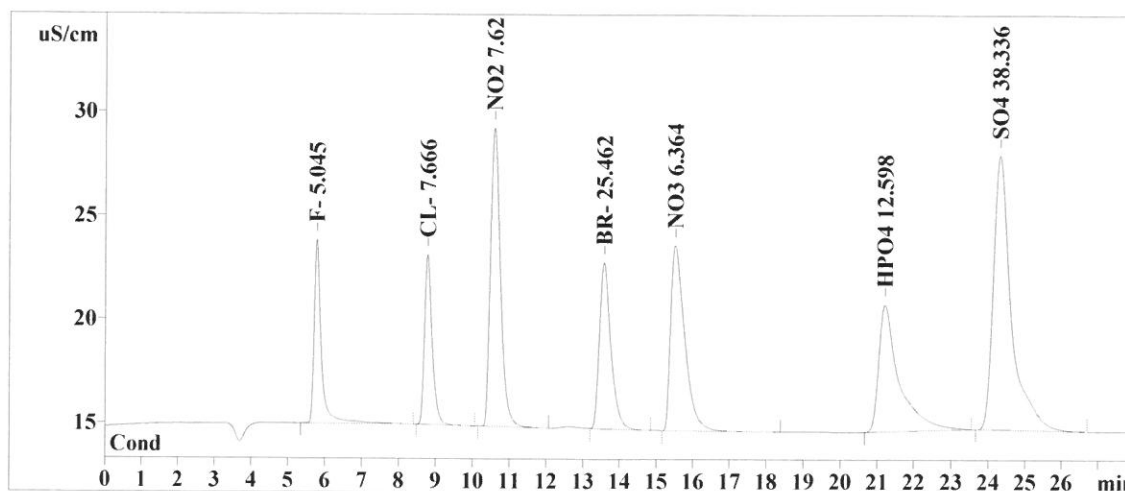
Ident: STD7
Analysis from: 9/11/2019 2:59:28 PM
File: _2019-09-11_

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.

This report has been created by IC Net
METROHM LTD

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

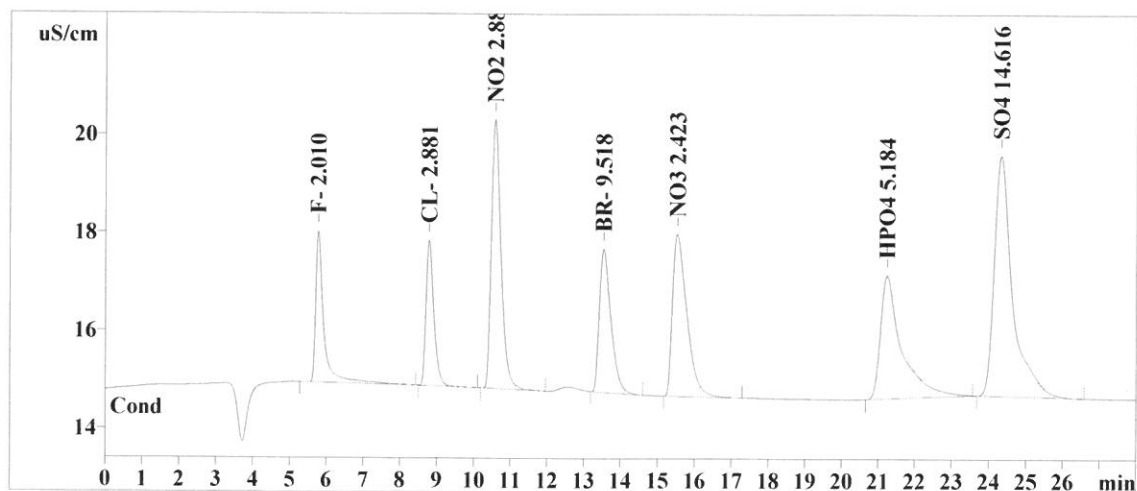
Ident: ICV
Analysis from: 9/11/2019 3:30:23 PM
File: _2019-09-11_

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

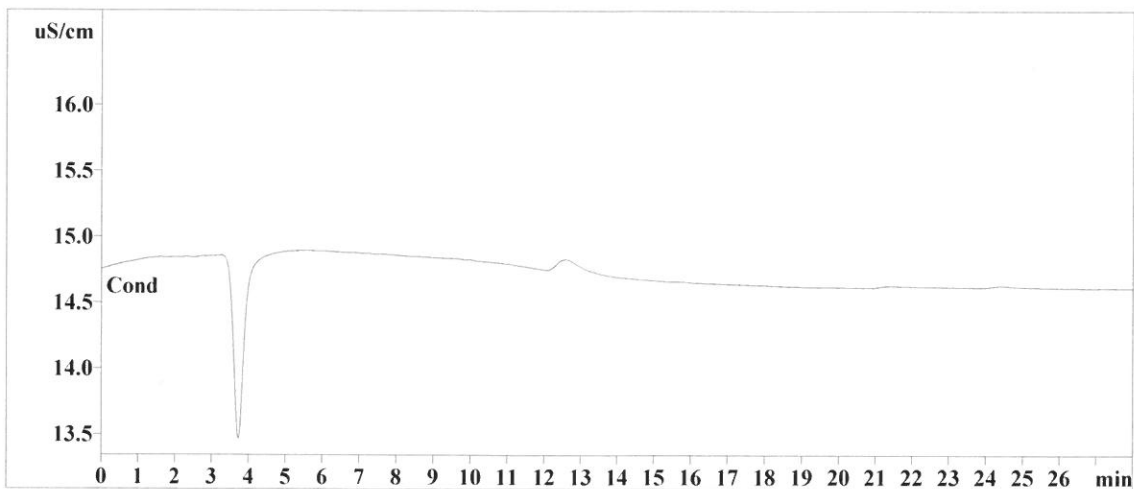
Ident: ICB
Analysis from: 9/11/2019 4:01:17 PM
File: _2019-09-11_

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: 10/3/2019 11:35:46 AM
Printed by: wet

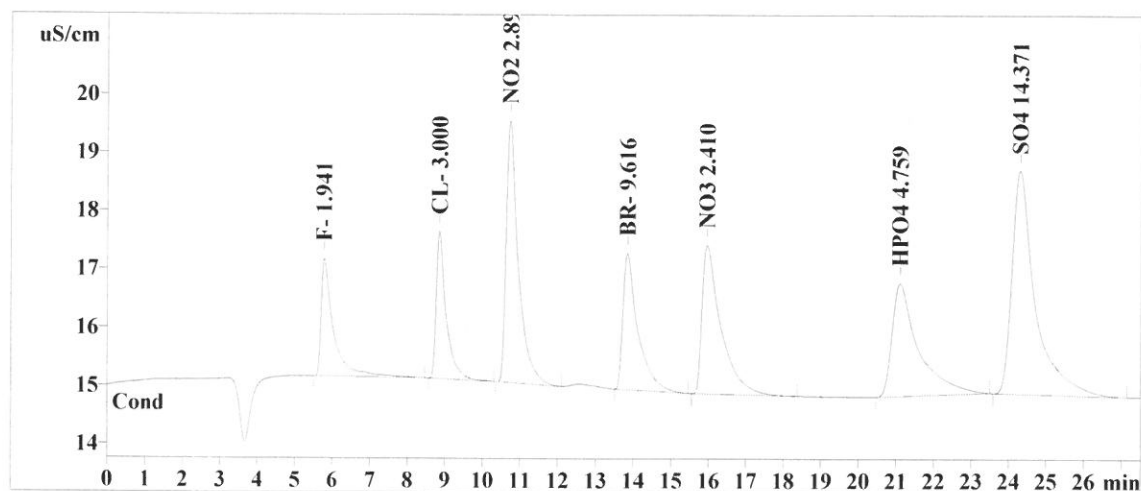
Ident: CCV
Analysis from: 10/2/2019 9:58:51 AM
File: _2019-10-02_

Last save: 10/2/2019 10:26:10 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68822

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	0.288	2.00	10.22	46.849	7.73	0.
2	8.85	0.241	2.51	12.81	45.834	7.56	0.
3	10.72	0.309	4.49	22.86	101.029	16.67	0.
4	13.83	0.369	2.33	11.87	63.970	10.55	0.
5	15.95	0.477	2.54	12.93	88.943	14.67	0.
6	21.10	0.616	1.93	9.83	93.872	15.49	0.
7	24.29	0.562	3.82	19.48	165.608	27.32	0.
7	27.50	0.409	19.62	99.99	606.105	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:35:55 AM
Printed by: wet

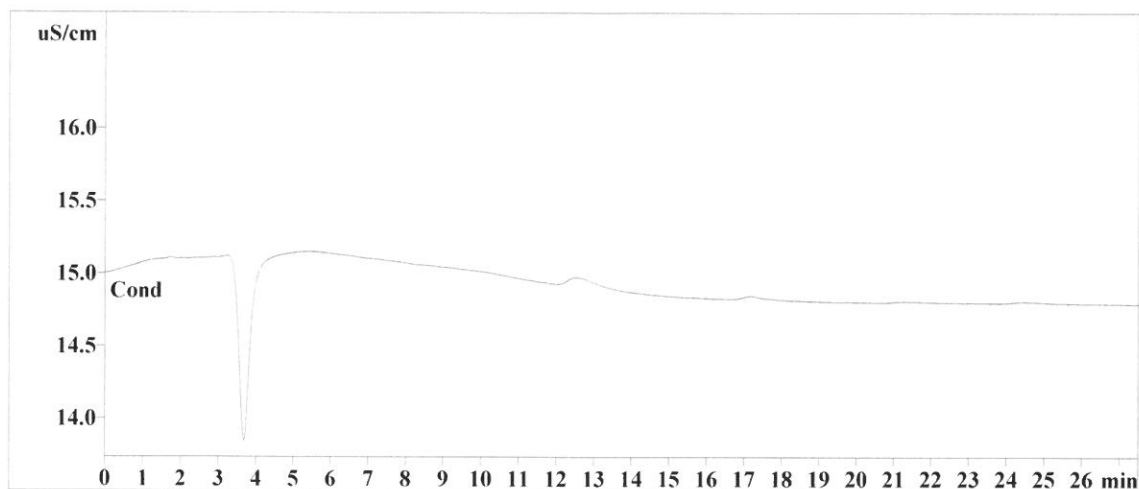
Ident: CCB
Analysis from: 10/2/2019 10:40:55 AM
File: _2019-10-02_

Last save: 10/2/2019 11:08:14 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68825

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: 10/3/2019 11:36:03 AM
Printed by: wet

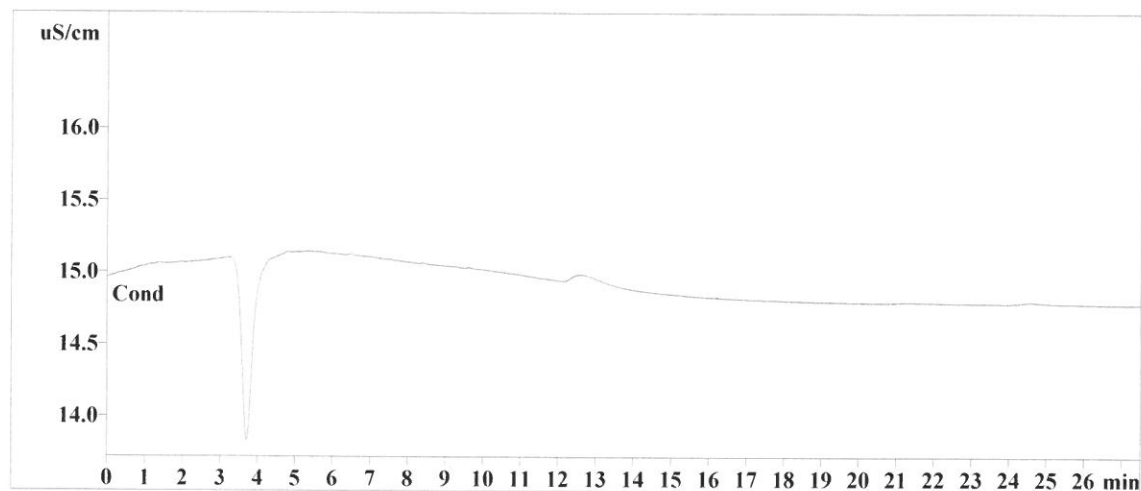
Ident: LB105422BLW
Analysis from: 10/2/2019 11:11:20 AM
File: _2019-10-02_

Last save: 10/2/2019 12:37:14 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68826

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: 10/3/2019 11:36:11 AM
Printed by: wet

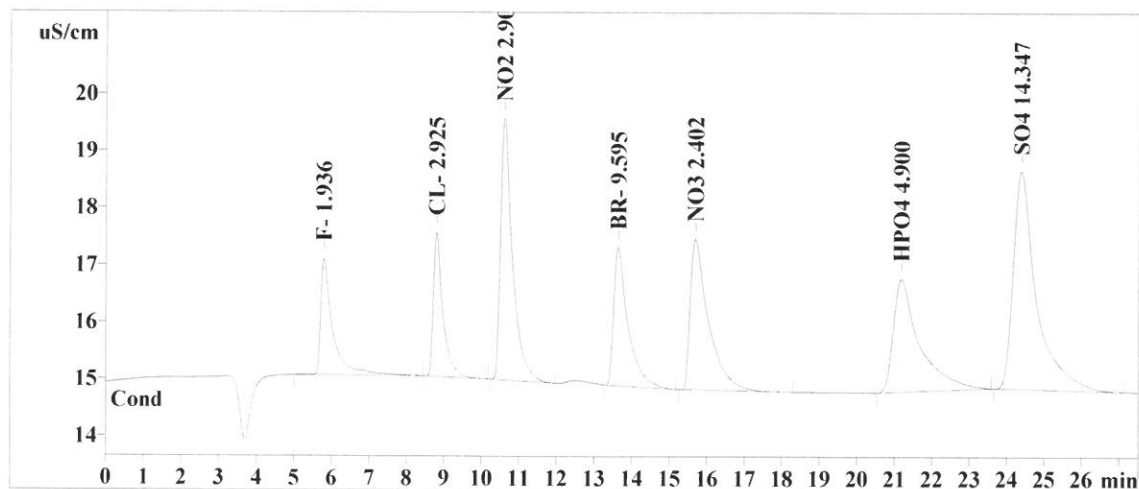
Ident: LB105422BSW
Analysis from: 10/2/2019 11:41:45 AM
File: _2019-10-02_

Last save: 10/2/2019 12:09:04 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68827

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	5.79	0.280	2.03	10.17	46.712	7.69	0.
2	8.80	0.240	2.51	12.57	44.665	7.36	0.
3	10.60	0.309	4.58	22.94	101.495	16.72	0.
4	13.63	0.358	2.42	12.12	63.823	10.51	0.
5	15.68	0.464	2.64	13.20	88.633	14.60	0.
6	21.17	0.620	1.98	9.90	96.424	15.88	0.
7	24.37	0.565	3.81	19.08	165.318	27.23	0.
7	27.50	0.405	19.98	99.99	607.070	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:36:34 AM
 Printed by: wet

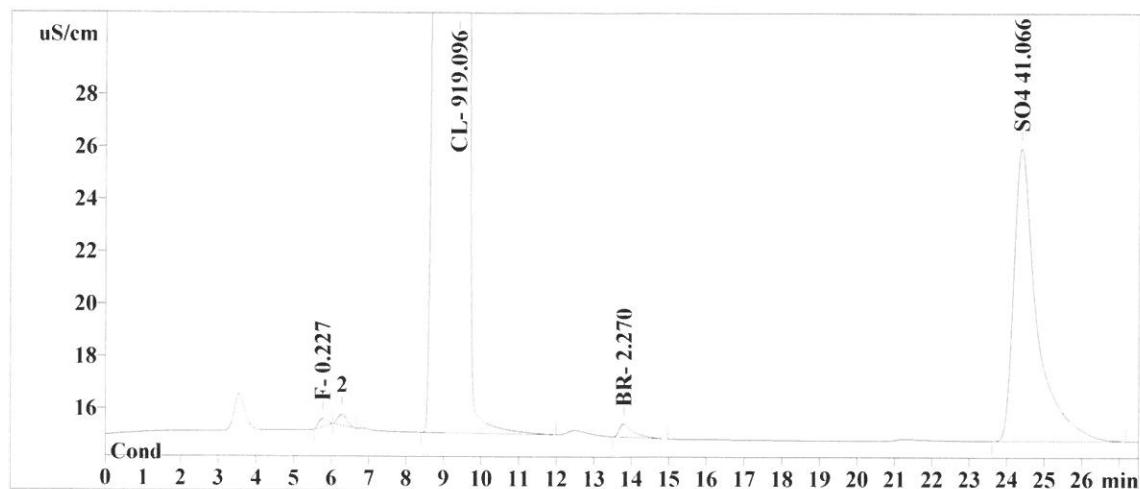
Ident: K5127-03
 Analysis from: 10/2/2019 12:12:10 PM
 File: _2019-10-02_

Last save: 10/3/2019 11:36:34 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68828

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	5.76	0.267	0.32	0.07	5.088	0.03	0.
2	9.37	0.506	460.70	97.33	14335.462	96.57	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.80	0.362	0.50	0.11	13.075	0.09	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	24.38	0.561	11.18	2.36	483.019	3.25	0.
7	27.50	0.242	472.70	99.87	14836.644	99.95	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/3/2019 11:37:07 AM
Printed by: wet

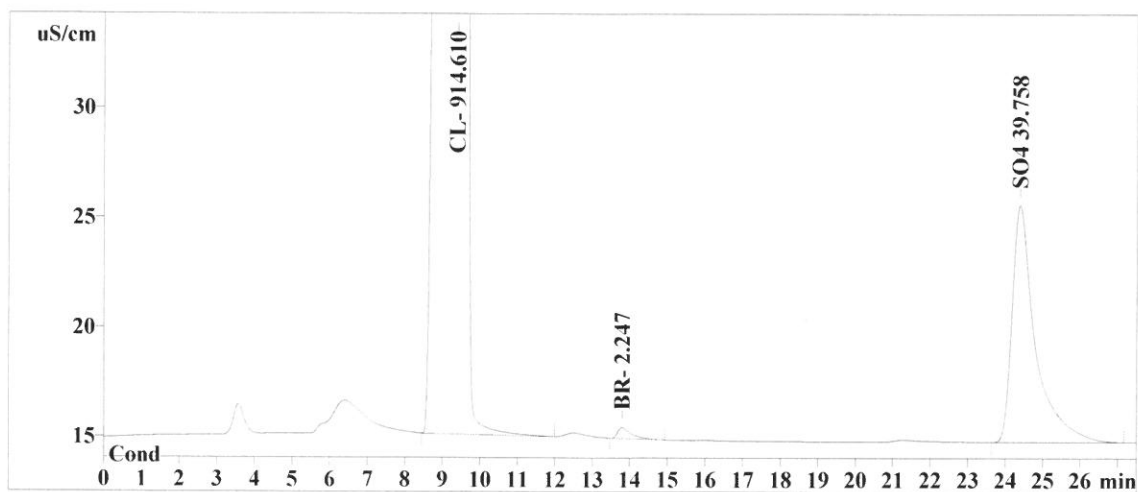
Ident: K5127-04
Analysis from: 10/2/2019 12:42:35 PM
File: _2019-10-02_

Last save: 10/3/2019 11:37:06 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68829

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.38	0.505	459.66	97.55	14265.485	96.74	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.80	0.359	0.50	0.11	12.914	0.09	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	24.37	0.566	10.78	2.29	467.464	3.17	0.
7	27.50	0.204	470.94	99.95	14745.863	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:39:18 AM
Printed by: wet

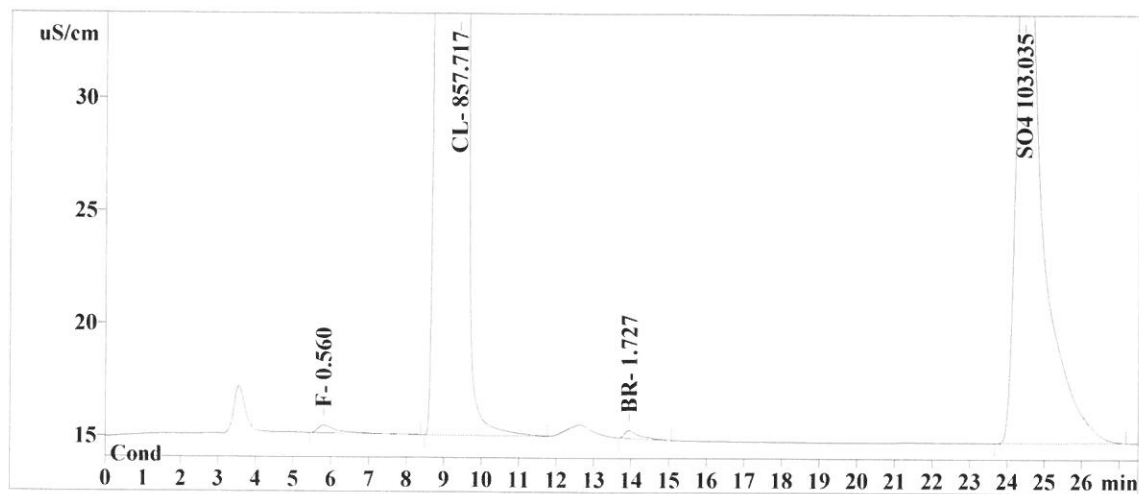
Ident: K5154-03
Analysis from: 10/2/2019 1:43:25 PM
File: _2019-10-02_

Last save: 10/2/2019 2:10:44 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68831

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	5.80	0.469	0.34	0.07	13.195	0.09	0.
2	9.38	0.492	447.79	94.05	13378.048	91.50	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.95	0.347	0.35	0.07	9.316	0.06	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	24.42	0.578	27.33	5.74	1219.846	8.34	0.
7	27.50	0.269	475.81	99.94	14620.405	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:39:37 AM
Printed by: wet

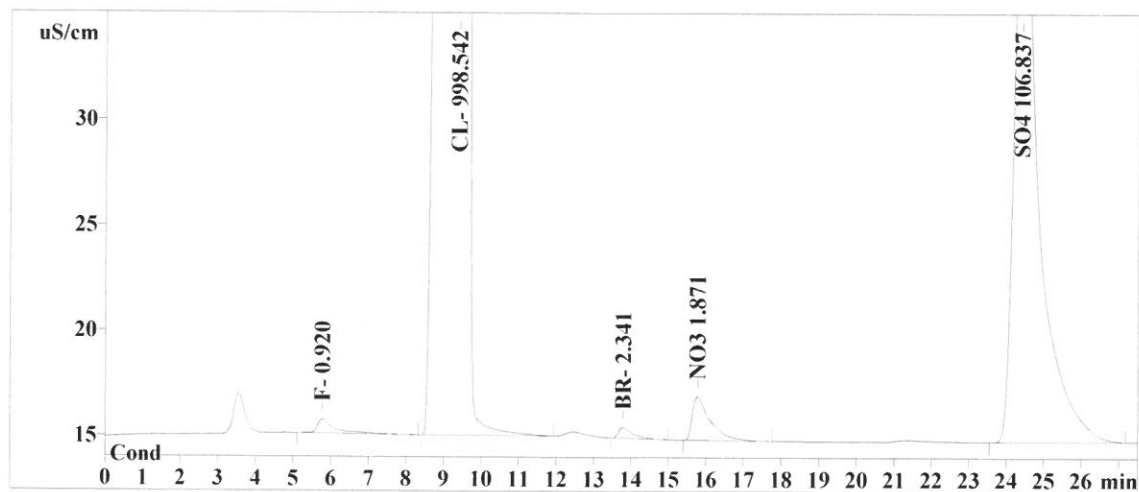
Ident: K5154-04
Analysis from: 10/2/2019 2:13:50 PM
File: _2019-10-02_

Last save: 10/3/2019 11:39:38 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68832

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	5.77	0.373	0.66	0.13	21.973	0.13	0.
2	9.38	0.532	479.13	93.70	15574.692	91.92	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.79	0.364	0.52	0.10	13.570	0.08	0.
5	15.78	0.456	2.06	0.40	68.391	0.40	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	24.38	0.582	28.82	5.64	1265.049	7.47	0.
7	27.50	0.329	511.20	99.97	16943.675	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:40:01 AM
Printed by: wet

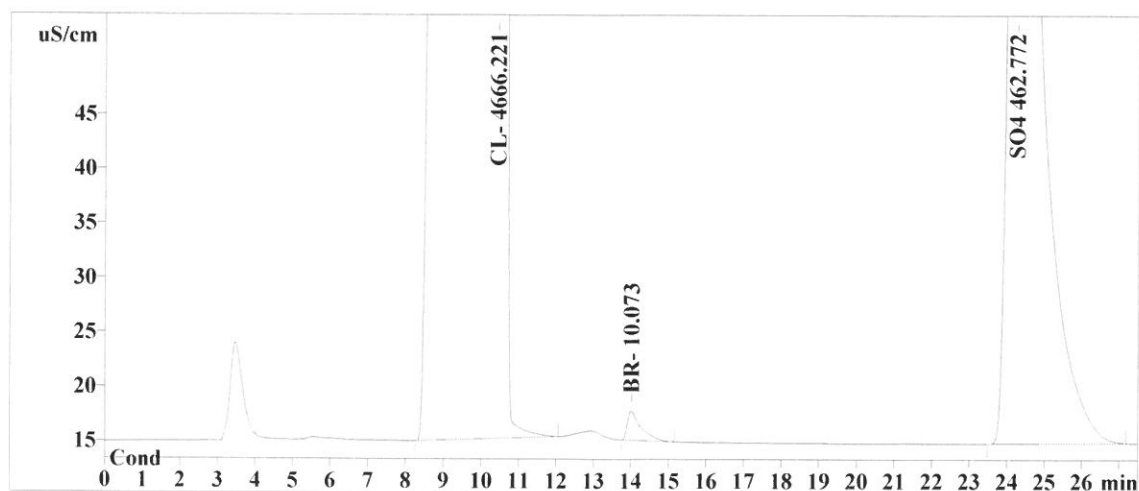
Ident: K5154-05
Analysis from: 10/2/2019 2:44:15 PM
File: _2019-10-02_

Last save: 10/3/2019 11:40:02 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68833

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	10.43	1.414	915.88	89.36	72784.639	92.90	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	14.02	0.329	2.71	0.26	67.134	0.09	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	24.25	0.730	106.31	10.37	5497.223	7.02	0.
7	27.50	0.353	1024.90	100.00	78348.996	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:40:29 AM
Printed by: wet

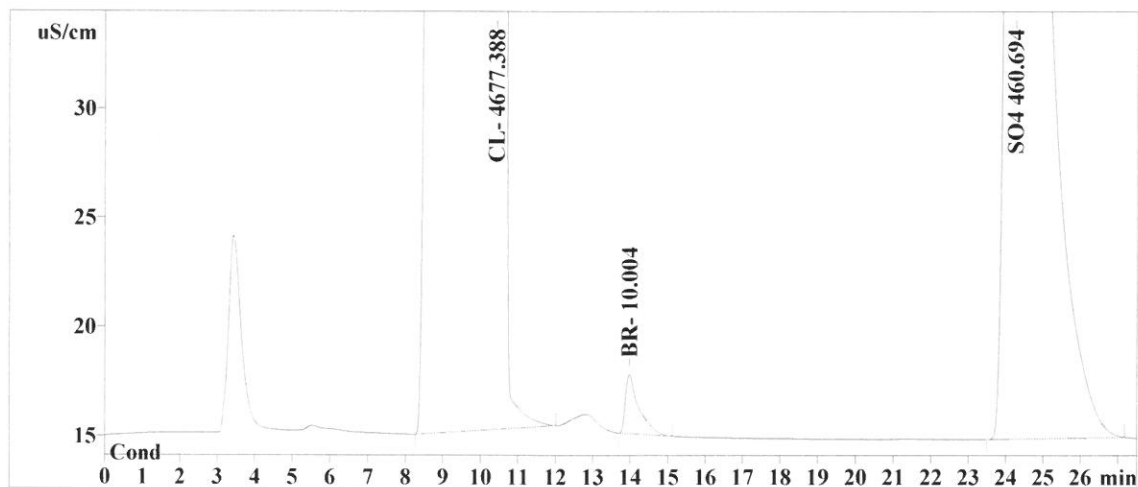
Ident: K5154-06
Analysis from: 10/2/2019 3:14:40 PM
File: _2019-10-02_

Last save: 10/3/2019 11:40:26 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68834

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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	10.40	1.428	912.39	89.40	72958.823	92.94	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.98	0.329	2.70	0.26	66.655	0.08	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	24.25	0.736	105.27	10.32	5472.509	6.97	0.
7	27.50	0.356	1020.36	99.98	78497.987	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:41:15 AM
 Printed by: wet

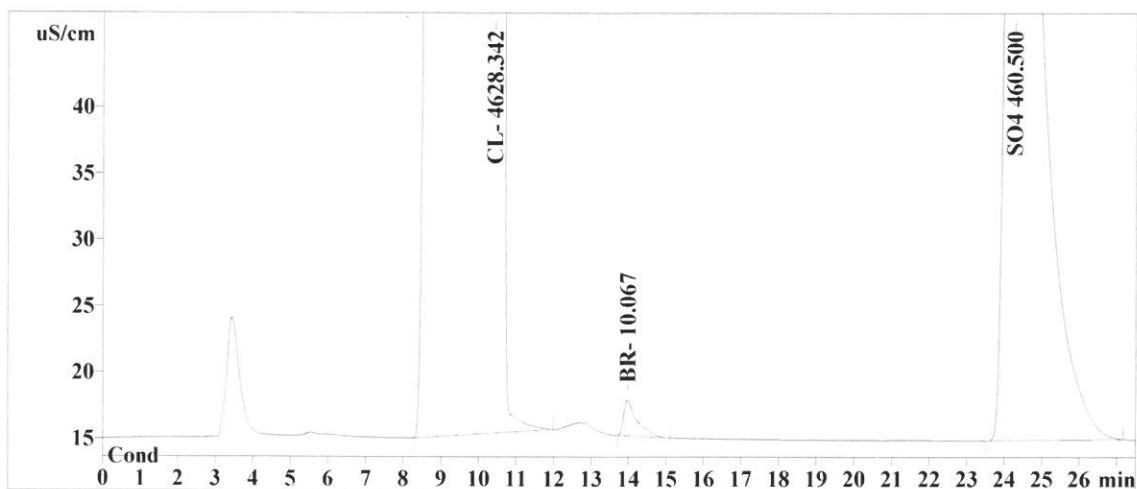
Ident: K5154-06DUP
 Analysis from: 10/2/2019 3:45:05 PM
 File: _2019-10-02_

Last save: 10/3/2019 11:41:14 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68835

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	10.40	1.415	909.76	89.40	72193.794	92.88	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.98	0.329	2.70	0.27	67.089	0.09	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	24.26	0.739	104.95	10.31	5470.203	7.04	0.
7	27.50	0.355	1017.41	99.98	77731.086	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/3/2019 11:41:31 AM
Printed by: wet

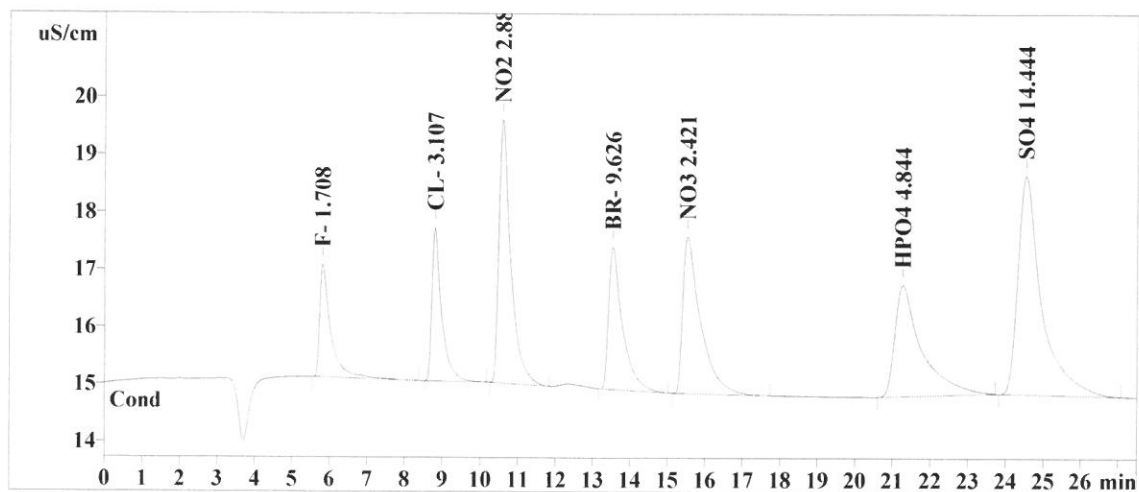
Ident: CCV
Analysis from: 10/2/2019 4:15:30 PM
File: _2019-10-02_

Last save: 10/2/2019 4:42:50 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68836

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	5.81	0.270	1.96	9.72	41.169	6.81	0.
2	8.80	0.241	2.66	13.22	47.501	7.85	0.
3	10.58	0.310	4.58	22.72	100.767	16.66	0.
4	13.53	0.355	2.48	12.29	64.034	10.59	0.
5	15.53	0.454	2.73	13.54	89.373	14.78	0.
6	21.26	0.625	1.94	9.61	95.415	15.78	0.
7	24.52	0.571	3.81	18.89	166.473	27.53	0.
7	27.50	0.404	20.16	100.00	604.732	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:41:49 AM
Printed by: wet

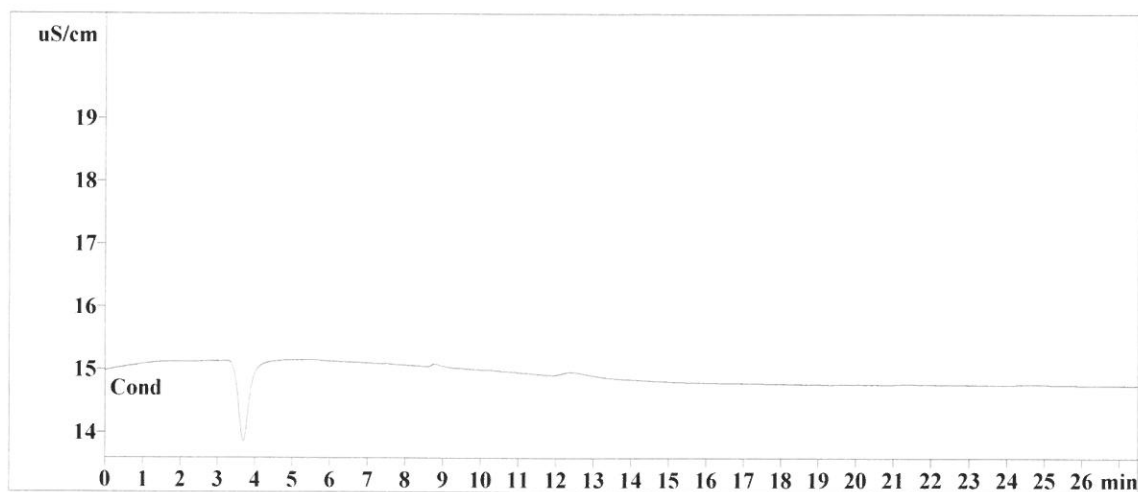
Ident: CCB
Analysis from: 10/2/2019 4:45:55 PM
File: _2019-10-02_

Last save: 10/3/2019 11:41:48 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68837

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: 10/3/2019 11:41:58 AM
Printed by: wet

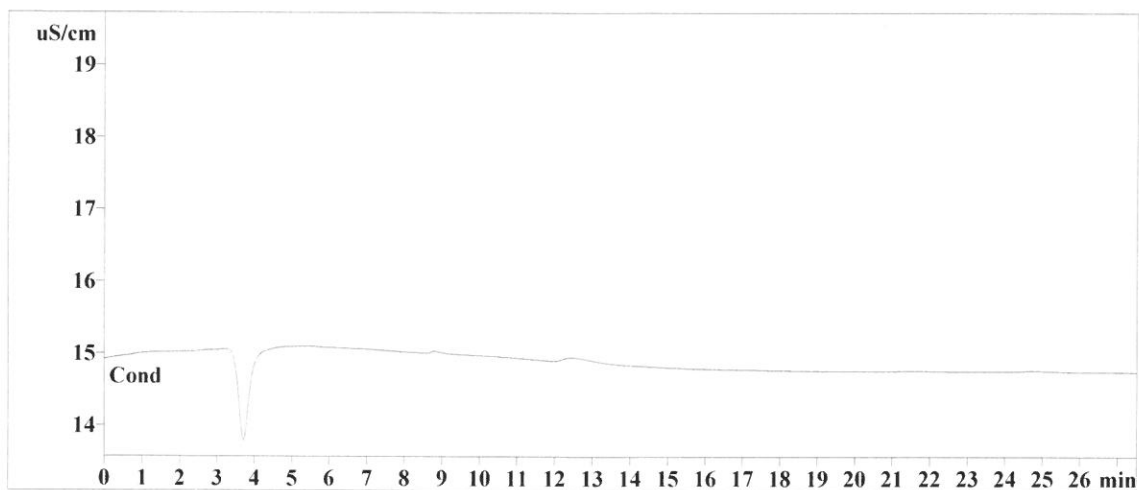
Ident: K5154-02
Analysis from: 10/2/2019 5:16:20 PM
File: _2019-10-02_

Last save: 10/2/2019 5:43:40 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68838

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

SAMPLE:
: AK/AP
Vial number: 8
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: 10/3/2019 11:42:24 AM
Printed by: wet

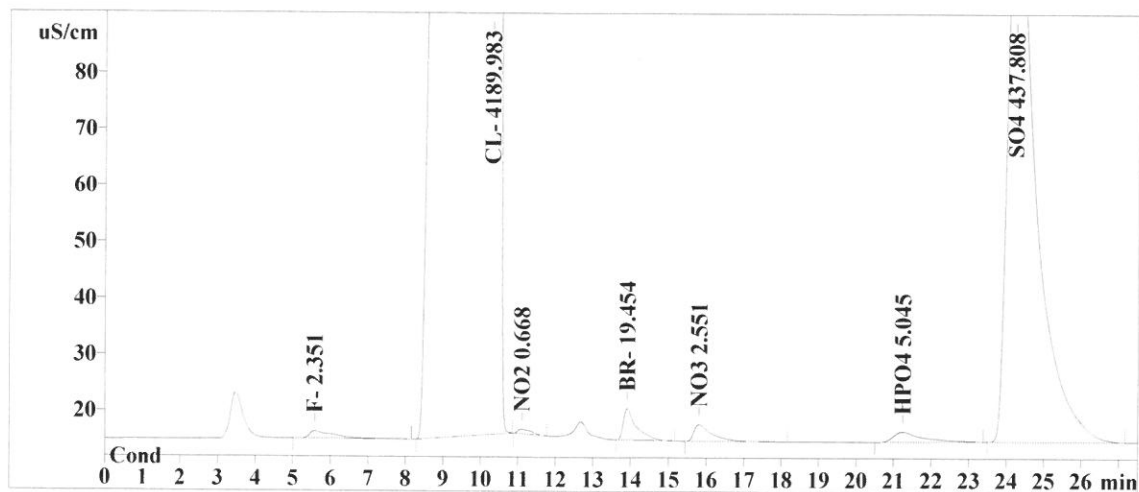
Ident: K5154-06MS
Analysis from: 10/2/2019 5:46:45 PM
File: _2019-10-02_

Last save: 10/3/2019 11:42:24 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68839

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	5.58	0.704	1.32	0.13	56.837	0.08	0.
2	10.28	1.319	879.57	88.45	65356.085	92.10	0.
3	11.11	0.431	0.82	0.08	20.678	0.03	0.
4	13.91	0.307	5.53	0.56	132.120	0.19	0.
5	15.81	0.437	2.94	0.30	94.314	0.13	0.
6	21.23	0.700	1.83	0.18	99.060	0.14	0.
7	24.22	0.713	102.20	10.28	5200.385	7.33	0.
7	27.50	0.659	994.21	99.98	70959.479	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:42:45 AM
Printed by: wet

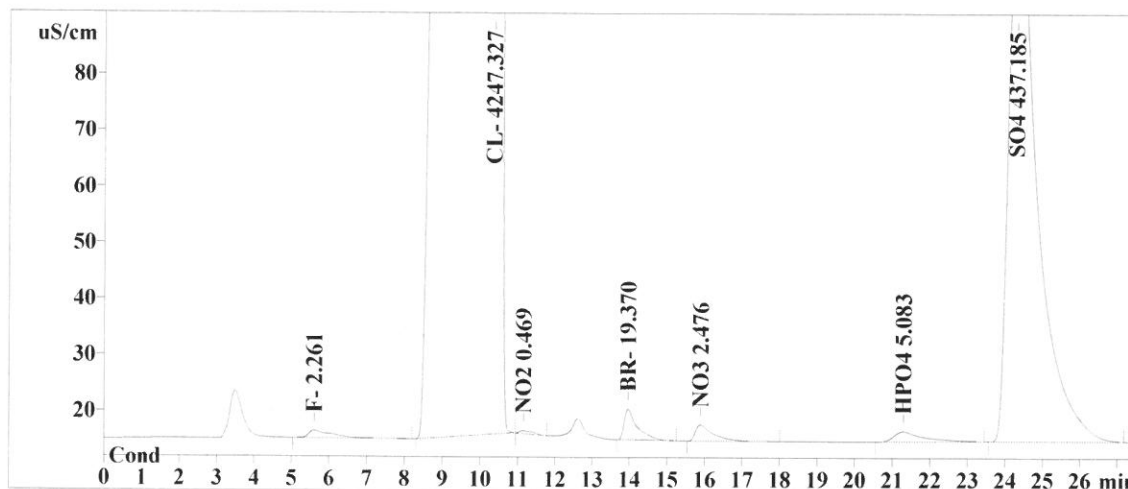
Ident: K5154-06MSD
Analysis from: 10/2/2019 6:17:10 PM
File: _2019-10-02_

Last save: 10/3/2019 11:42:42 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68840

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	5.60	0.687	1.30	0.13	54.638	0.08	0.
2	10.34	1.333	881.98	88.56	66250.553	92.23	0.
3	11.17	0.455	0.50	0.05	13.503	0.02	0.
4	13.97	0.315	5.43	0.55	131.539	0.18	0.
5	15.89	0.440	2.83	0.28	91.477	0.13	0.
6	21.29	0.716	1.81	0.18	99.750	0.14	0.
7	24.28	0.712	102.03	10.24	5192.982	7.23	0.
7	27.50	0.665	995.89	100.00	71834.441	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:46:16 AM
Printed by: wet

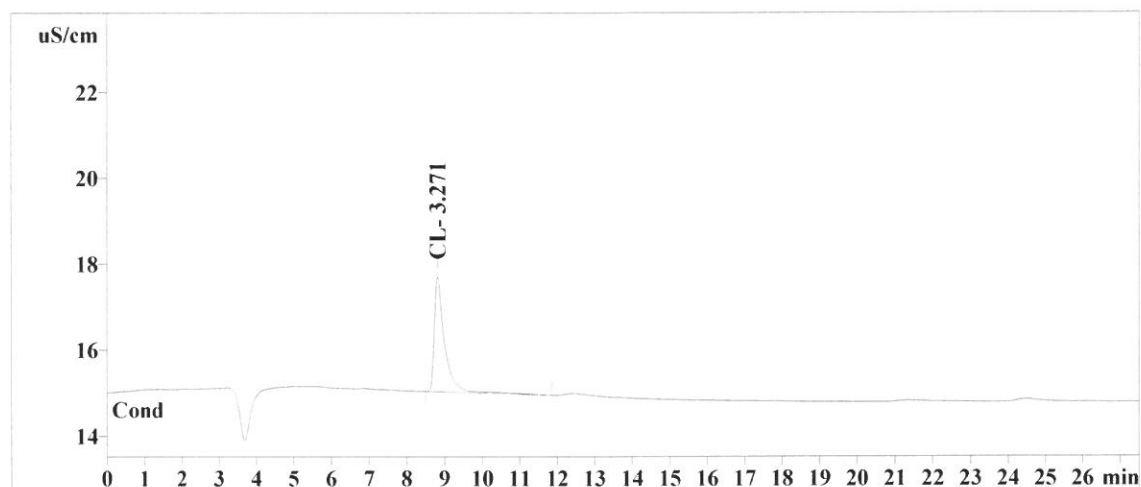
Ident: K5127-03DLX200
Analysis from: 10/2/2019 6:47:34 PM
File: _2019-10-02_

Last save: 10/3/2019 11:46:16 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68841

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	8.82	0.239	2.67	100.01	50.055	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	27.50	0.034	2.67	100.01	50.055	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:46:31 AM
Printed by: wet

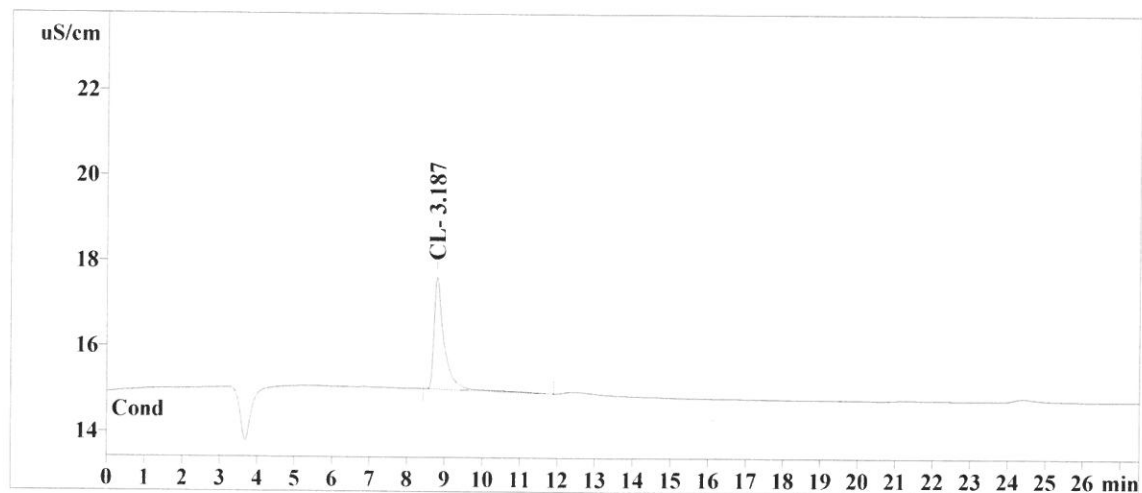
Ident: K5127-04DLX200
Analysis from: 10/2/2019 7:17:59 PM
File: _2019-10-02_

Last save: 10/3/2019 11:46:30 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68842

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

SAMPLE:
: AK/AP
Vial number: 17
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.80	0.237	2.61	100.01	48.745	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	27.50	0.034	2.61	100.01	48.745	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:47:01 AM
Printed by: wet

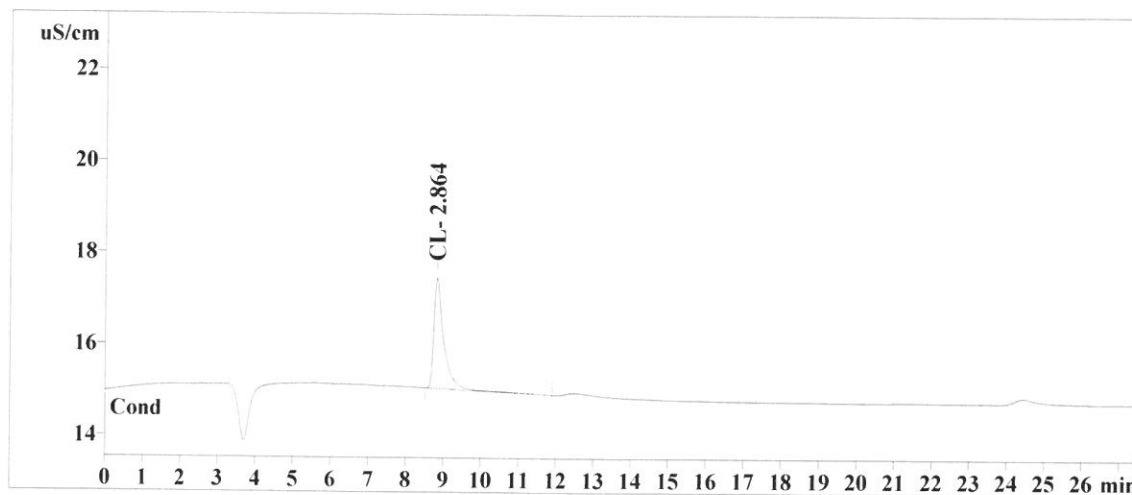
Ident: K5154-03DLX200
Analysis from: 10/2/2019 7:48:24 PM
File: _2019-10-02_

Last save: 10/3/2019 11:47:00 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68843

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

SAMPLE:
: AK/AP
Vial number: 18
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.82	0.237	2.41	99.99	43.705	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	27.50	0.034	2.41	99.99	43.705	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:47:21 AM
Printed by: wet

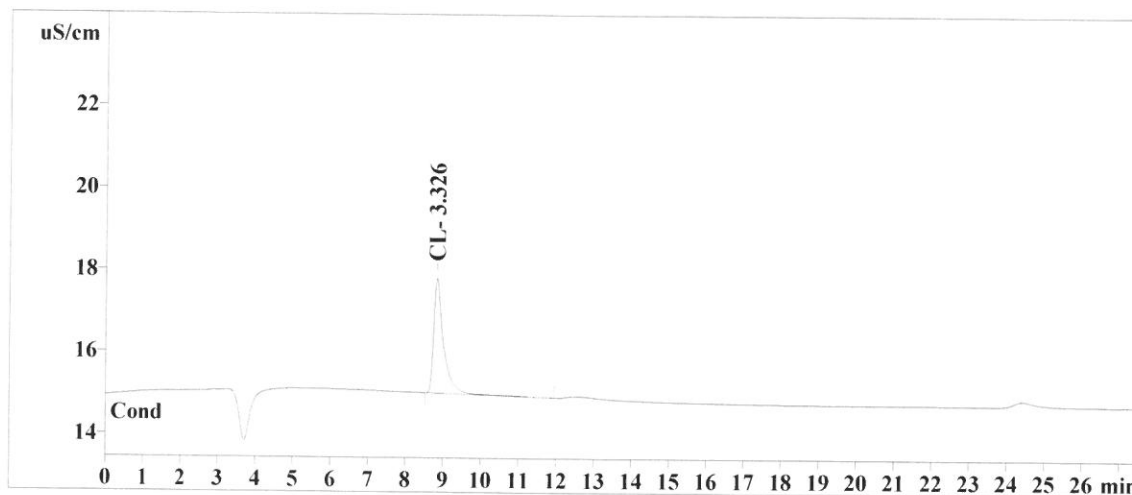
Ident: K5154-04DLX200
Analysis from: 10/2/2019 8:18:49 PM
File: _2019-10-02_

Last save: 10/3/2019 11:47:18 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68844

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

SAMPLE:
: AK/AP
Vial number: 19
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	8.83	0.237	2.79	100.00	50.906	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	27.50	0.034	2.79	100.00	50.906	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:47:40 AM
Printed by: wet

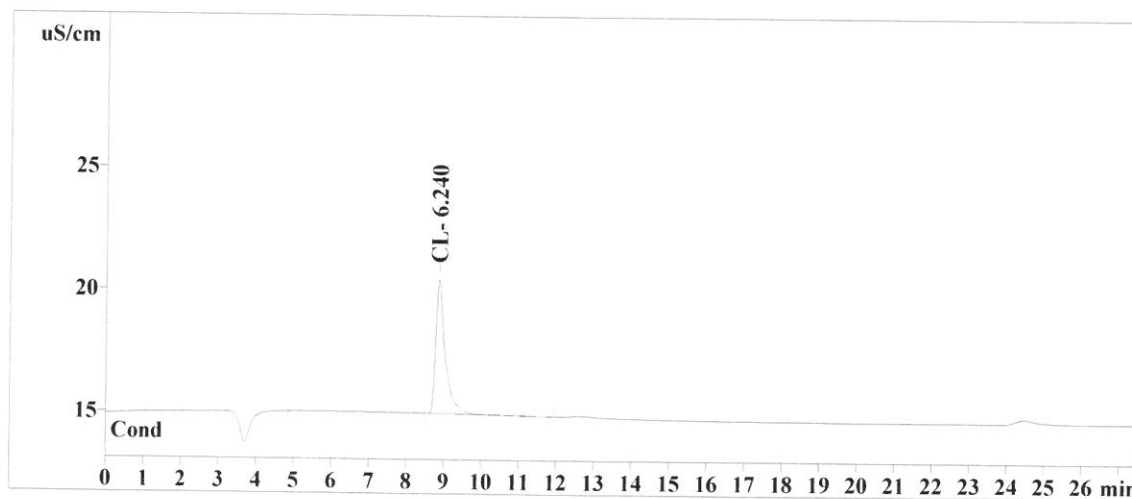
Ident: K5154-05DLX500
Analysis from: 10/2/2019 8:49:14 PM
File: _2019-10-02_

Last save: 10/3/2019 11:47:40 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68845

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

SAMPLE:
: AK/AP
Vial number: 20
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	8.86	0.230	5.44	100.00	96.368	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	27.50	0.033	5.44	100.00	96.368	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:48:22 AM
Printed by: wet

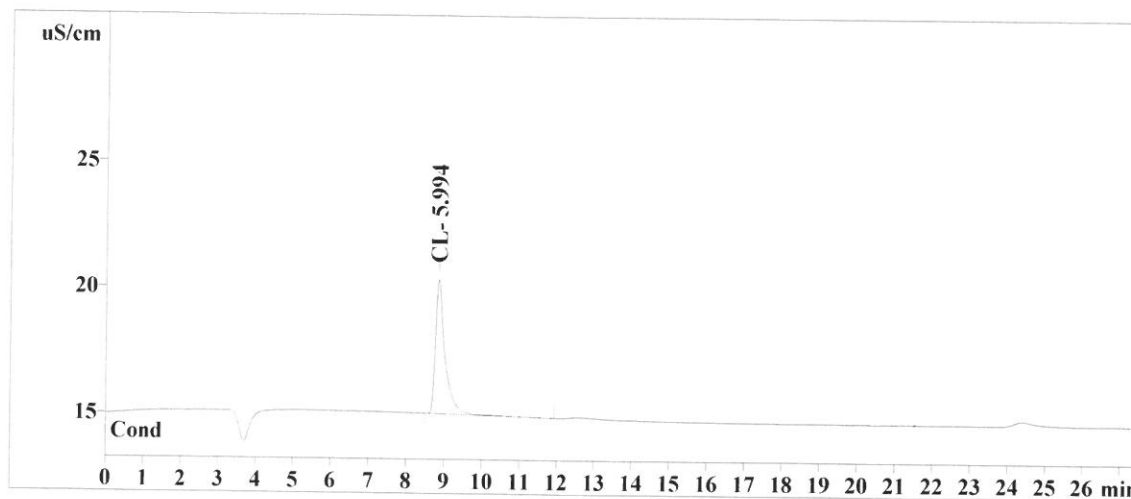
Ident: K5154-06DLX500
Analysis from: 10/2/2019 9:19:39 PM
File: _2019-10-02_

Last save: 10/3/2019 11:48:22 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68846

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

SAMPLE:
: AK/AP
Vial number: 21
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	8.84	0.230	5.30	100.00	92.536	100.00	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	0.00	0.000	0.00	0.00	0.000	0.00	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	27.50	0.033	5.30	100.00	92.536	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/3/2019 11:48:32 AM
 Printed by: wet

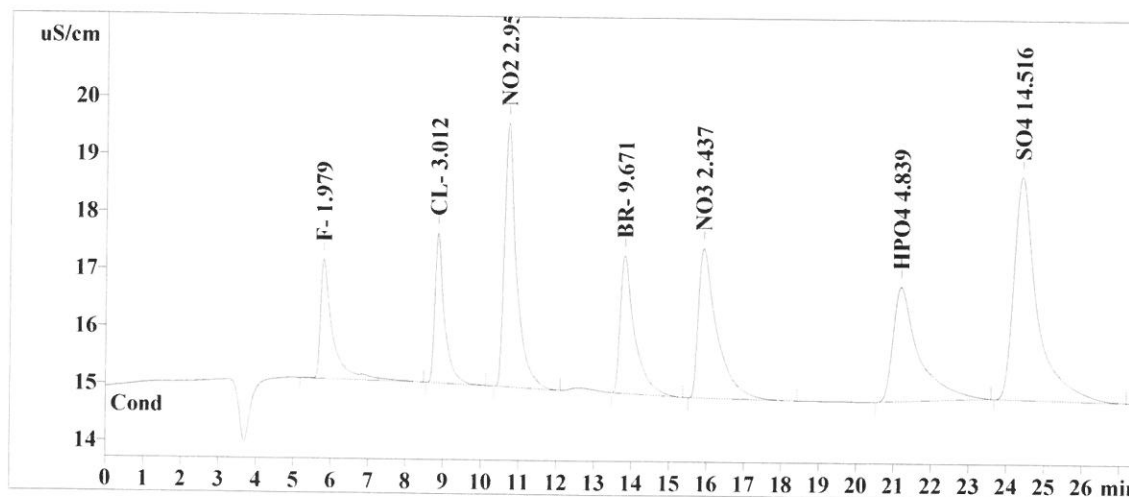
Ident: CCV
 Analysis from: 10/2/2019 9:50:04 PM
 File: _2019-10-02_

Last save: 10/2/2019 10:17:22 PM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68847

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	5.79	0.278	2.08	10.30	47.758	7.78	0.
2	8.84	0.236	2.61	12.95	46.016	7.50	0.
3	10.68	0.309	4.59	22.78	103.171	16.81	0.
4	13.79	0.363	2.40	11.90	64.347	10.48	0.
5	15.89	0.471	2.61	12.93	89.966	14.65	0.
6	21.17	0.605	1.99	9.89	95.320	15.53	0.
7	24.38	0.565	3.88	19.25	167.323	27.26	0.
7	27.50	0.404	20.16	99.99	613.902	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/3/2019 11:48:42 AM
Printed by: wet

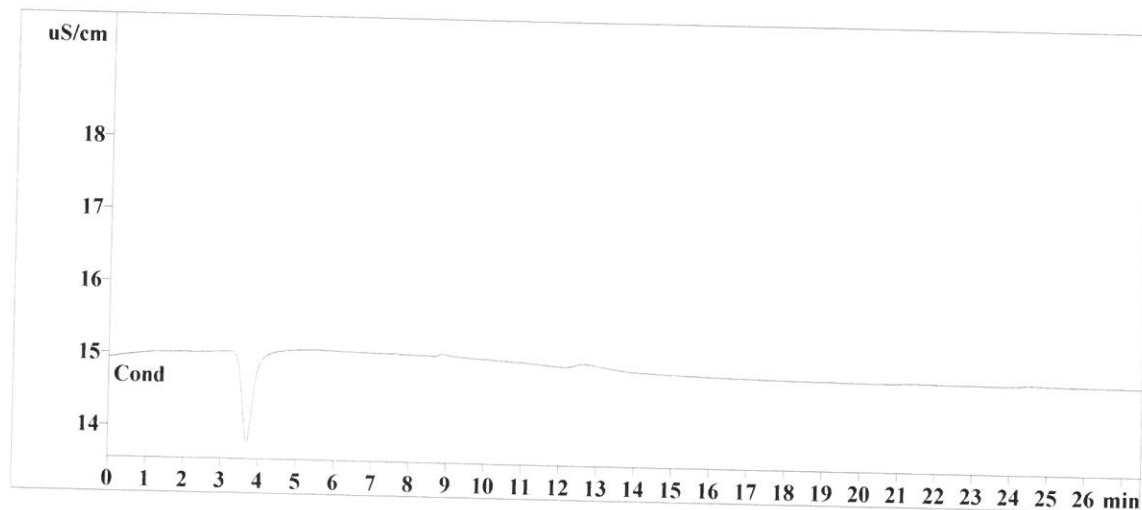
Ident: CCB
Analysis from: 10/2/2019 10:20:29 PM
File: _2019-10-02_

Last save: 10/2/2019 10:47:48 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68848

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

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



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD