

Clear table

IC-1 8056 A

10-08-14 AK

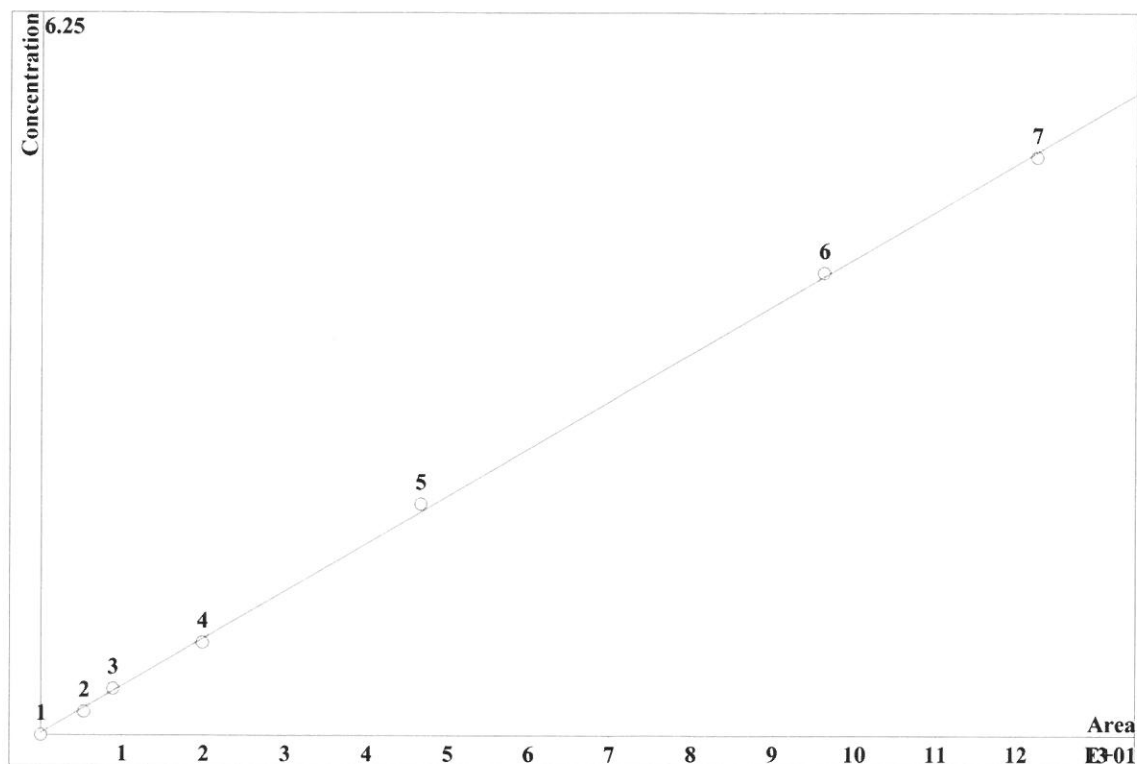
ident	concentra tion F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final Vol	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-09-11	9/11/19 11:54		AK/AP
STD2	0.2370	0.3870	0.3840	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	2.1580	2.9450	2.9100	9.4390	2.3960	4.7640	13.8410	2019-10-07	10/7/19 10:37		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 11:07		AK/AP
LB105527BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 11:38		AK/AP
LB105527BSW	2.0670	2.9840	3.0140	9.5610	2.4050	5.0090	14.3810	2019-10-07	10/7/19 12:08		AK/AP
K5231-06	0.3220	637.2800	0.0000	1.5730	0.0000	0.0000	29.7000	2019-10-07	10/7/19 12:38		AK/AP
K5231-07	0.0000	717.7350	0.0000	1.7600	0.0000	0.1630	22.1130	2019-10-07	10/7/19 13:09		AK/AP
K5231-08	0.0000	649.4650	0.0000	1.5670	0.0000	0.0000	40.2660	2019-10-07	10/7/19 13:39		AK/AP
K5231-09	0.0000	695.0890	0.0000	1.6830	0.0000	0.0000	28.9360	2019-10-07	10/7/19 14:10		AK/AP
K5231-10	0.0000	892.2010	0.0000	2.1430	0.0000	0.0000	42.7030	2019-10-07	10/7/19 14:40		AK/AP
K5231-10DUP	0.0000	903.6980	0.0000	2.1110	0.0000	0.0000	41.7750	2019-10-07	10/7/19 15:11		AK/AP
K5231-10MS	0.0000	815.6850	2.8390	11.6990	2.5060	5.5570	55.6150	2019-10-07	10/7/19 15:41		AK/AP
K5231-10MSD	0.0000	812.9300	2.7340	11.4920	2.5170	5.6530	54.0200	2019-10-07	10/7/19 16:11		AK/AP
CCV	2.0200	3.0310	3.0110	9.5070	2.4330	5.0600	13.9670	2019-10-07	10/7/19 17:12		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 17:43		AK/AP
K5231-06DLX100	0.0000	4.4960	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 18:13		AK/AP
K5231-07DLX100	0.0000	4.8690	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 18:43		AK/AP
K5231-08DLX100	0.0000	4.4400	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 19:14		AK/AP
K5231-09DLX100	0.0000	4.8640	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 19:44		AK/AP
K5231-10DLX100	0.0000	6.0720	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 20:15		AK/AP
CCV	2.1020	3.0330	3.0220	9.4990	2.4030	5.0360	14.0010	2019-10-07	10/7/19 20:45		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2019-10-07	10/7/19 21:16		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



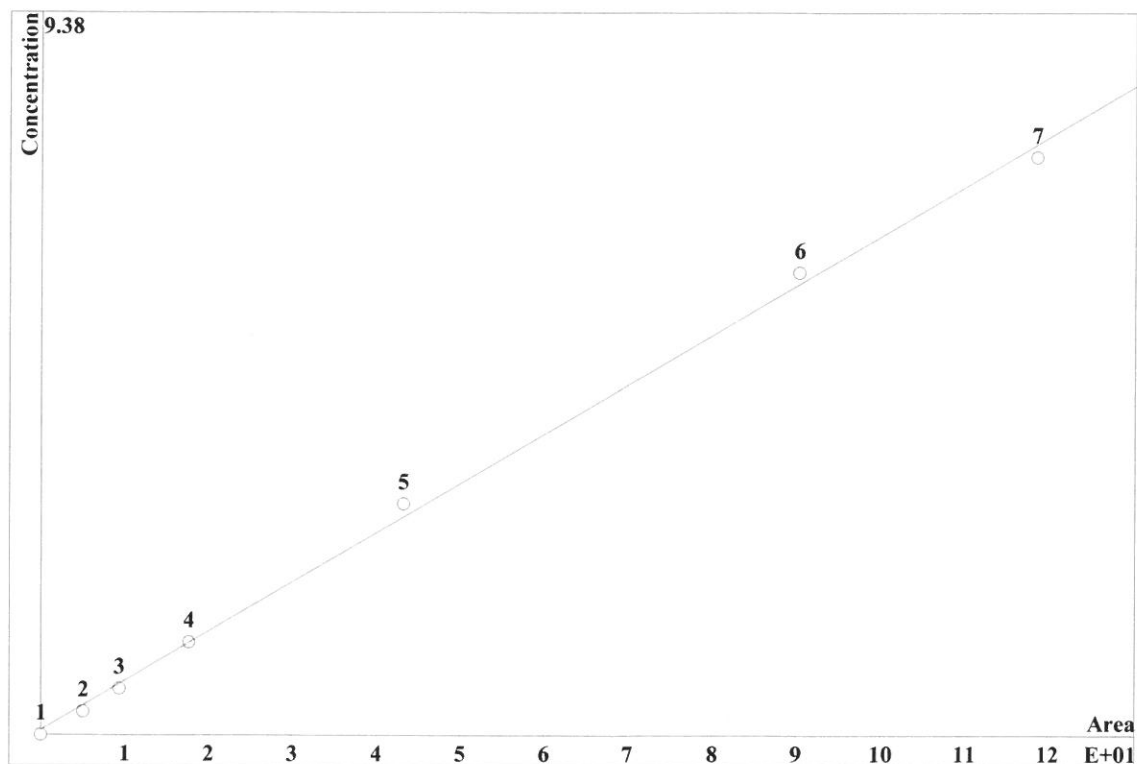
K3 = 0 K2 = 0 K1 = 0.821033 K0 = 0.364372

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



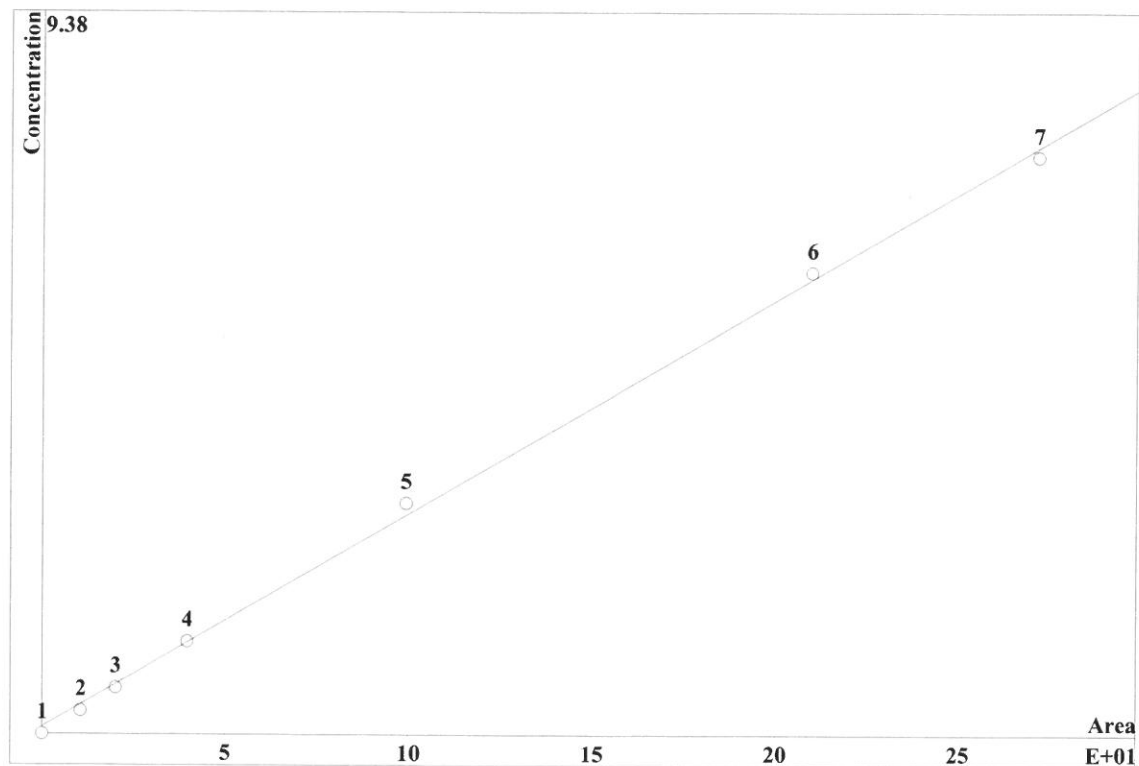
K3 = 0 K2 = 0 K1 = 1.28218 K0 = 1.24047

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



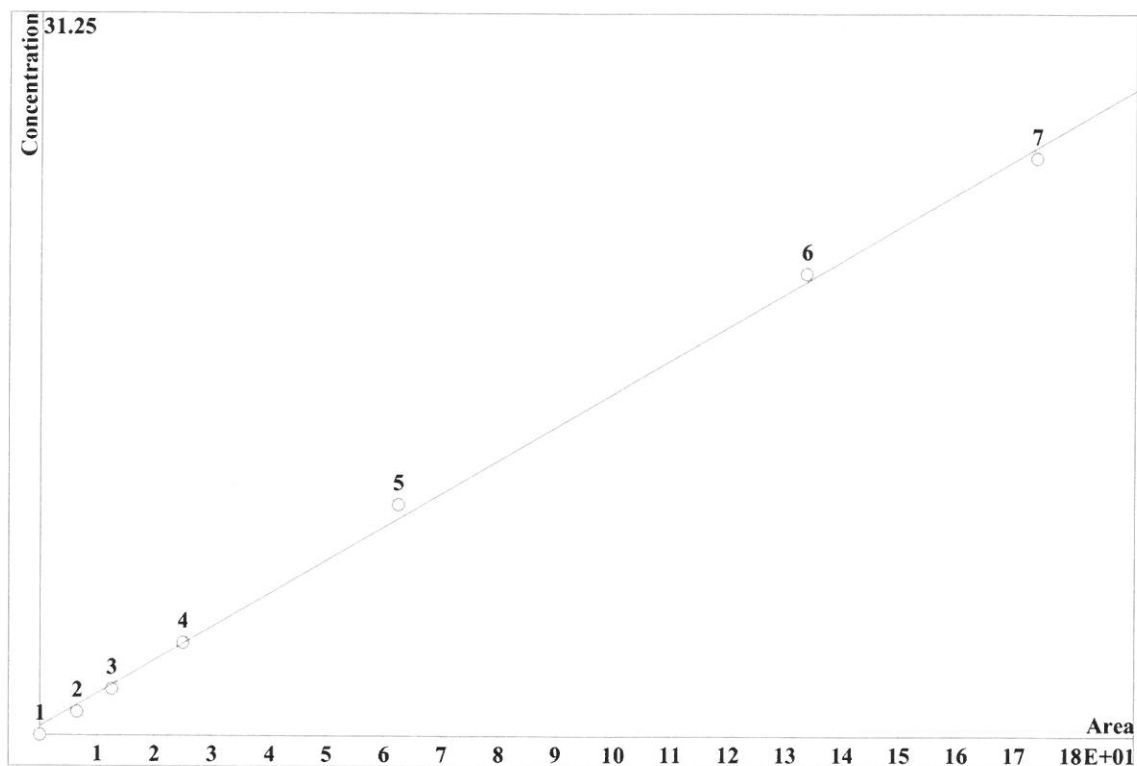
K3 = 0 K2 = 0 K1 = 0.554364 K0 = 1.90063

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



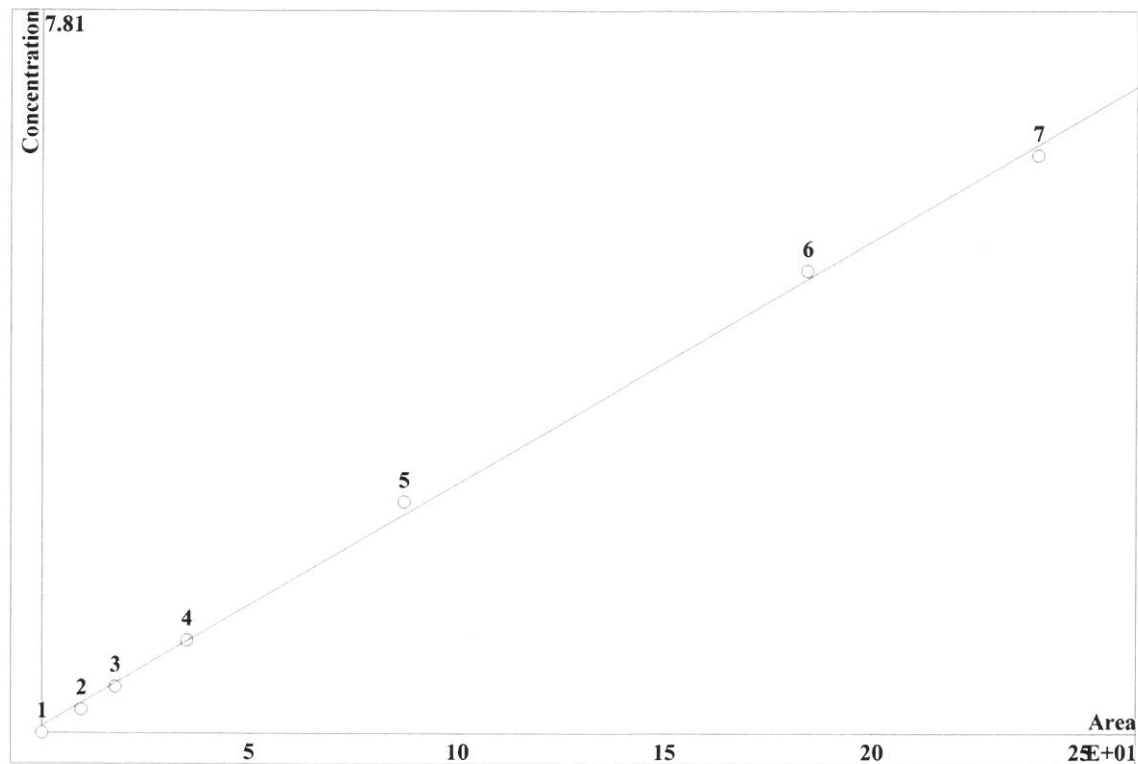
K3 = 0 K2 = 0 K1 = 2.88696 K0 = 7.64928

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



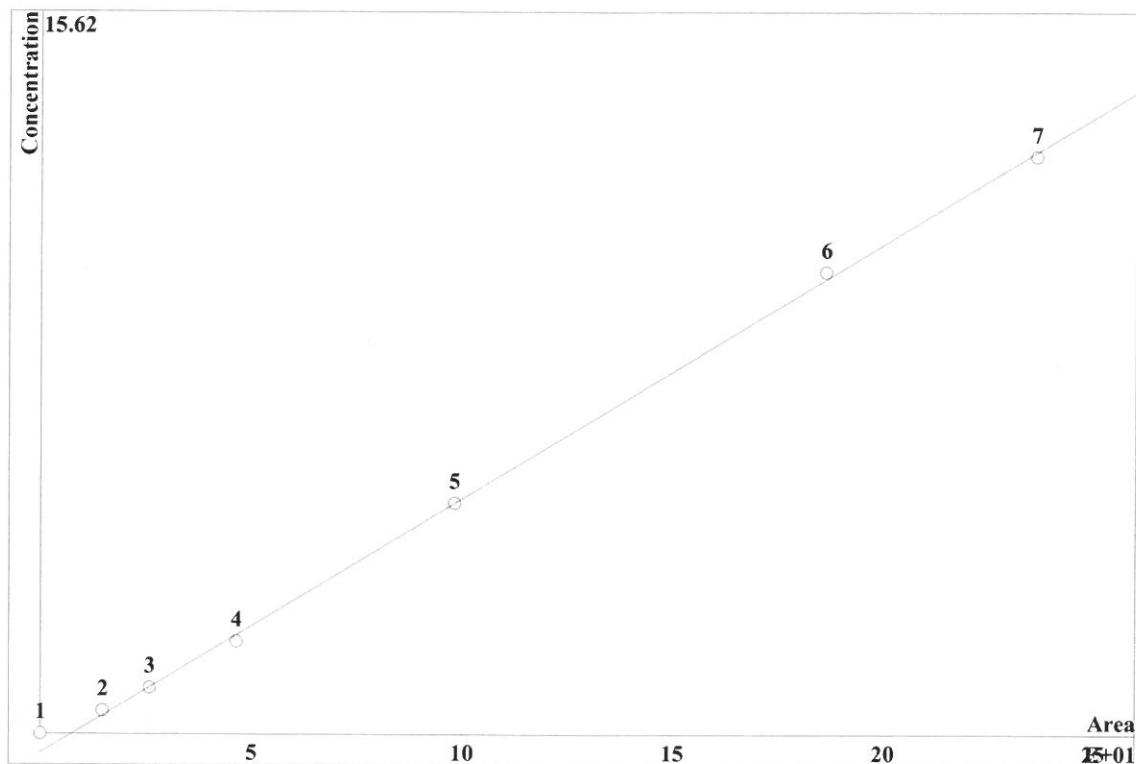
K3 = 0 K2 = 0 K1 = 0.524779 K0 = 1.52257

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

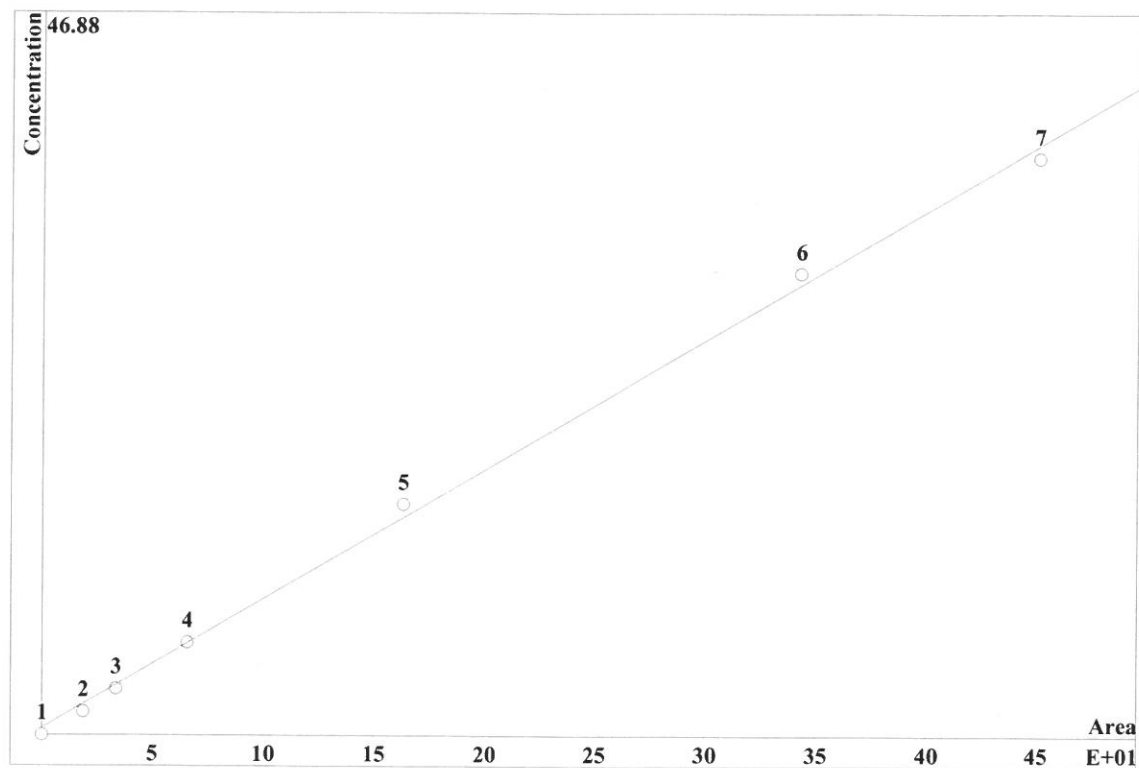
Weight: 1

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

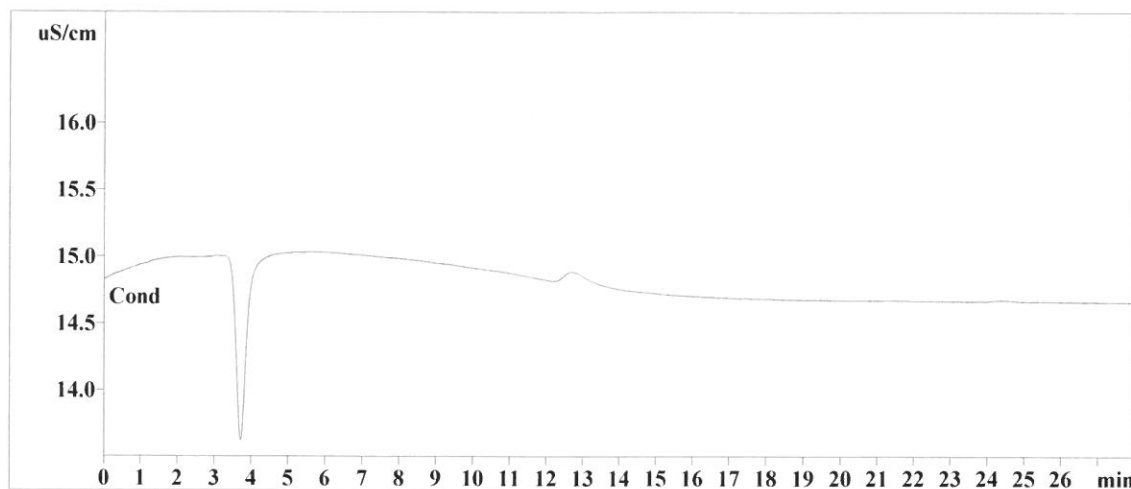
Ident: STD1
Analysis from: 9/11/2019 11:54:00 AM
File: _2019-09-11_

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

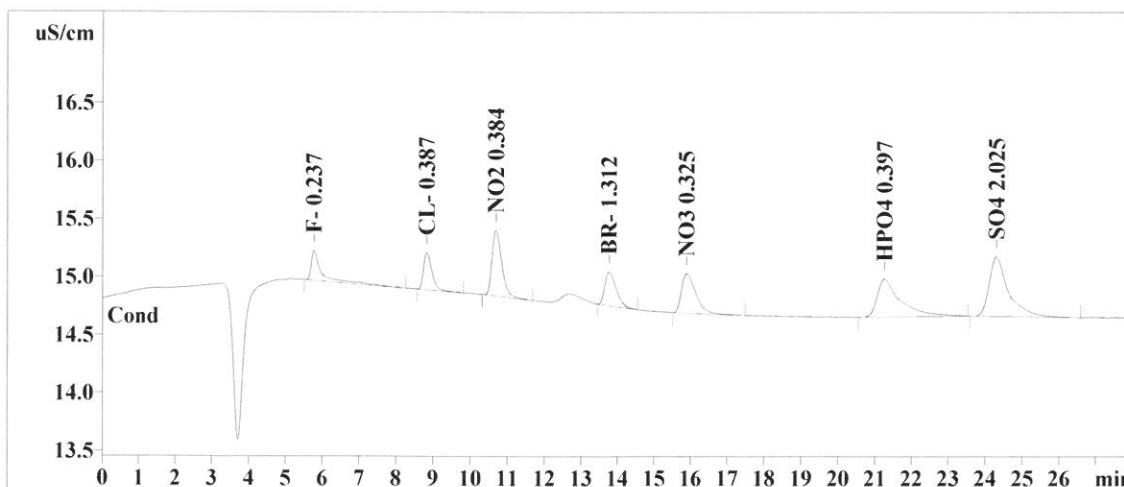
Ident: STD2
Analysis from: 9/11/2019 12:24:55 PM
File: _2019-09-11_

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

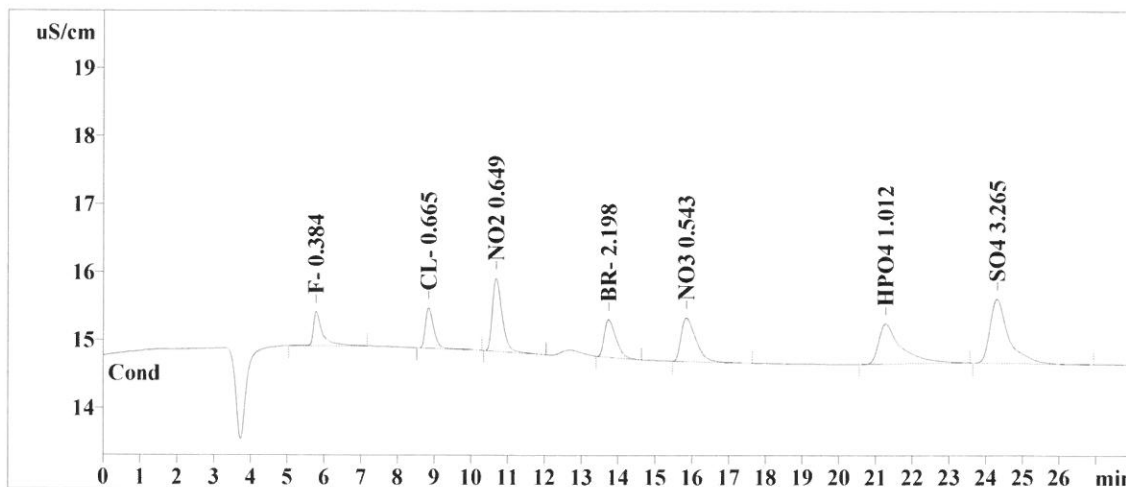
Ident: STD3
Analysis from: 9/11/2019 12:55:50 PM
File: _2019-09-11_

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

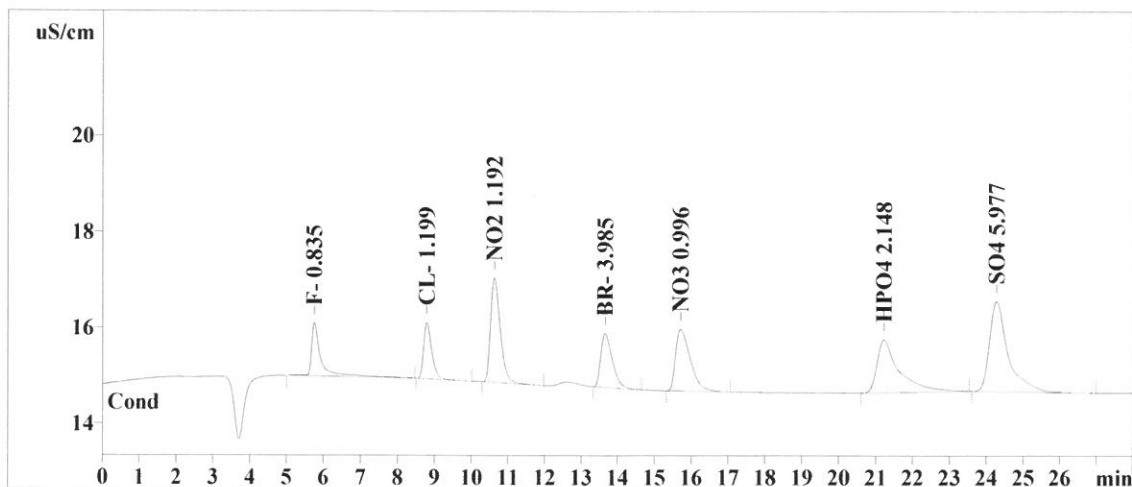
Ident: STD4
Analysis from: 9/11/2019 1:26:44 PM
File: _2019-09-11_

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

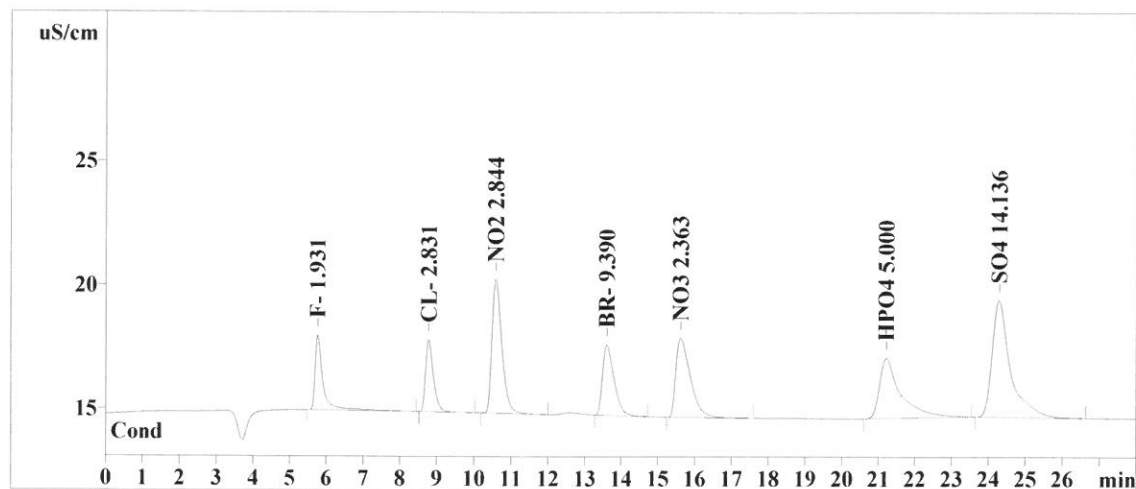
Ident: STD5
Analysis from: 9/11/2019 1:57:39 PM
File: _2019-09-11_

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

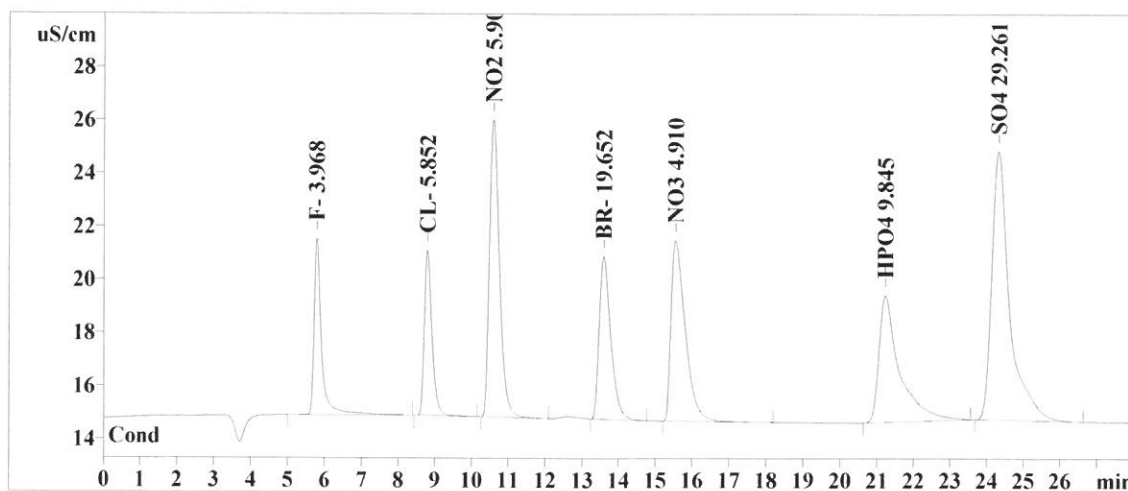
Ident: STD6
Analysis from: 9/11/2019 2:28:34 PM
File: _2019-09-11_

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

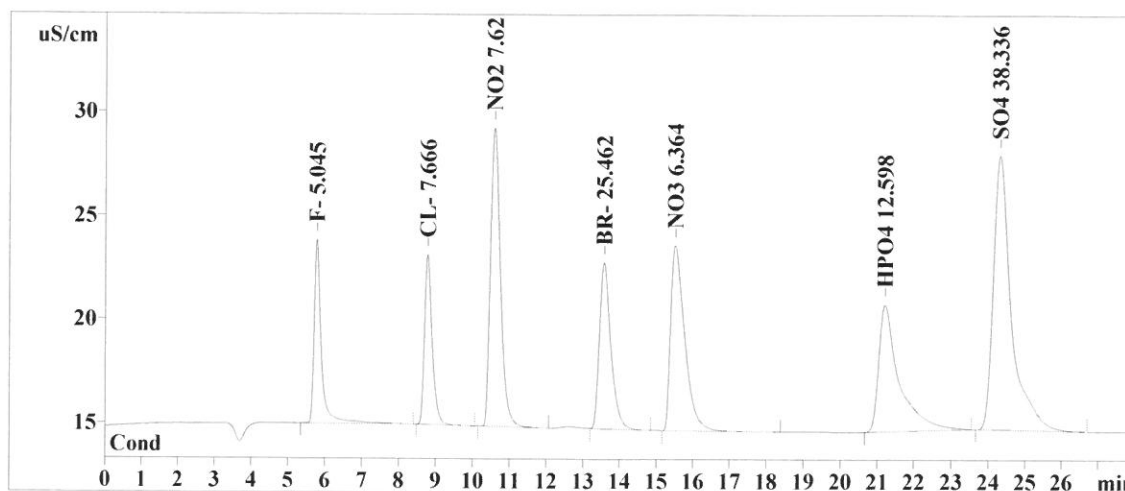
Ident: STD7
Analysis from: 9/11/2019 2:59:28 PM
File: _2019-09-11_

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

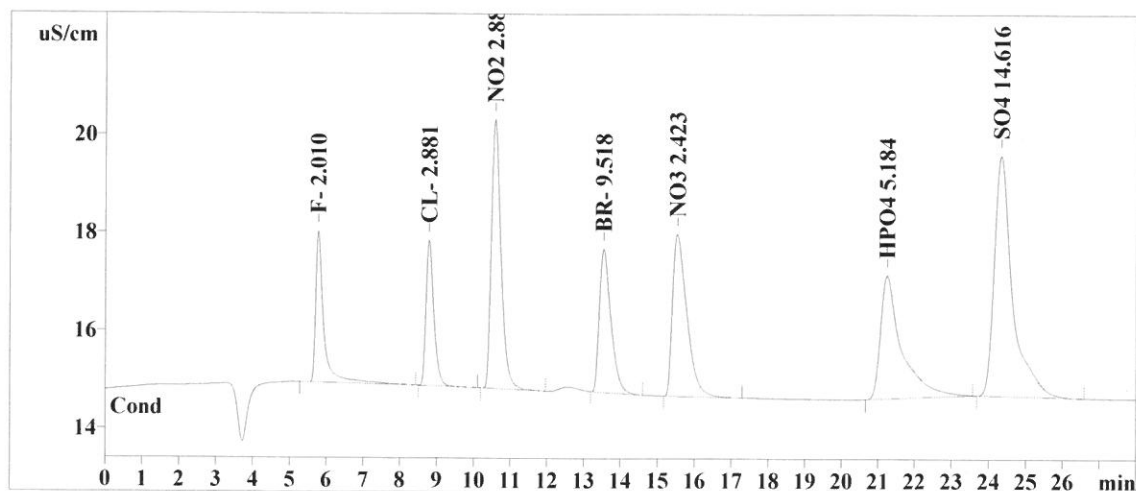
Ident: ICV
Analysis from: 9/11/2019 3:30:23 PM
File: _2019-09-11_

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

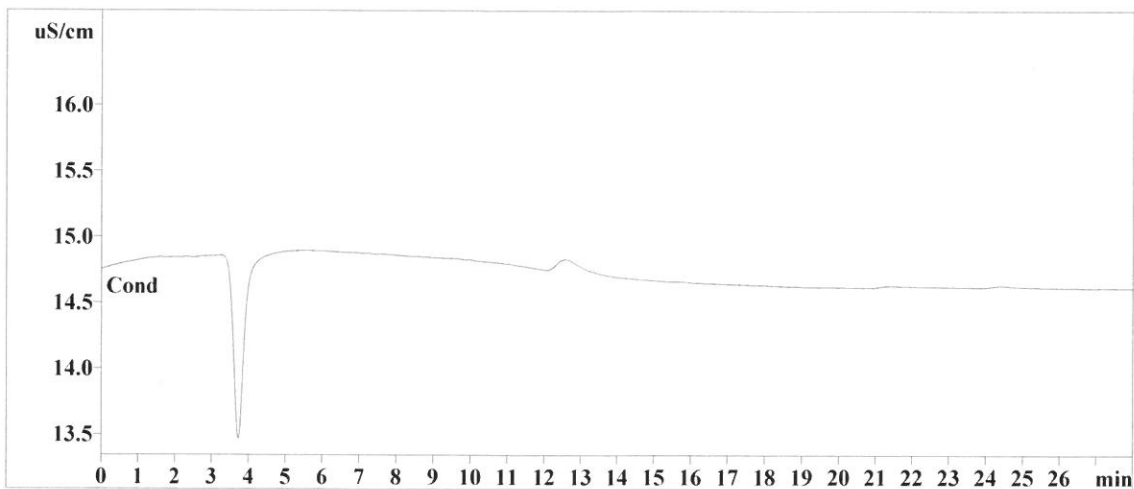
Ident: ICB
Analysis from: 9/11/2019 4:01:17 PM
File: _2019-09-11_

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: 10/8/2019 9:11:42 AM
Printed by: wet

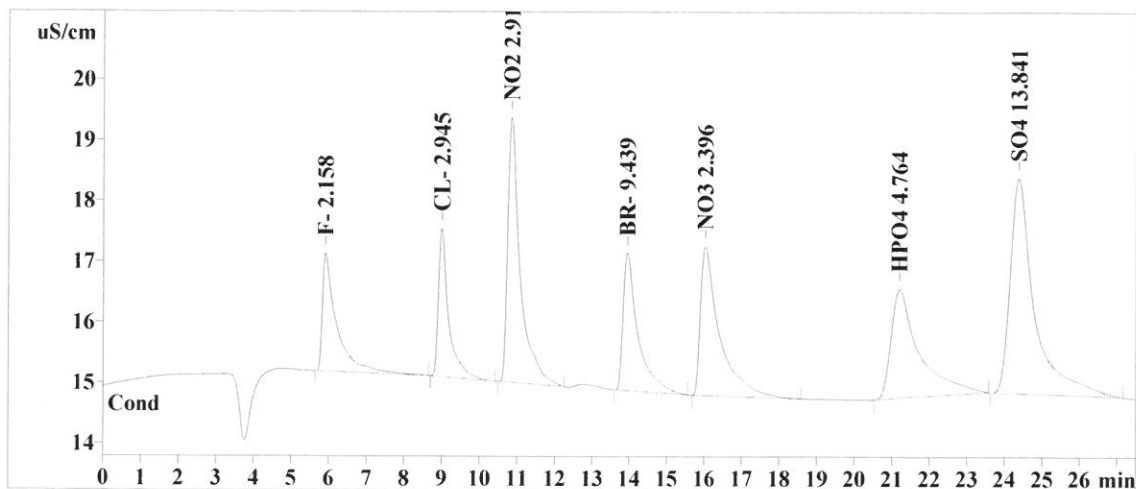
Ident: CCV
Analysis from: 10/7/2019 10:37:16 AM
File: _2019-10-07_

Last save: 10/7/2019 11:04:36 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68930

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	5.91	0.323	1.94	10.34	52.121	8.64	0.
2	8.99	0.230	2.44	12.97	44.963	7.46	0.
3	10.84	0.303	4.36	23.20	101.564	16.84	0.
4	13.95	0.354	2.26	12.05	62.739	10.40	0.
5	16.02	0.459	2.45	13.04	88.418	14.66	0.
6	21.19	0.654	1.79	9.53	93.945	15.58	0.
7	24.36	0.561	3.54	18.86	159.300	26.42	0.
7	27.50	0.412	18.78	99.99	603.050	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:11:50 AM
Printed by: wet

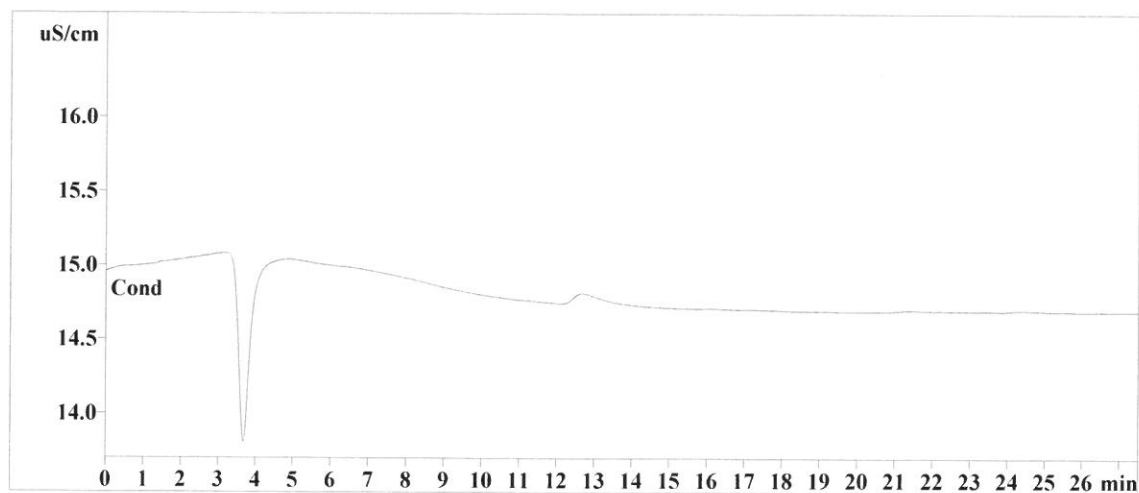
Ident: CCB
Analysis from: 10/7/2019 11:07:41 AM
File: _2019-10-07_

Last save: 10/7/2019 11:35:00 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68931

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: 10/8/2019 9:30:06 AM
Printed by: wet

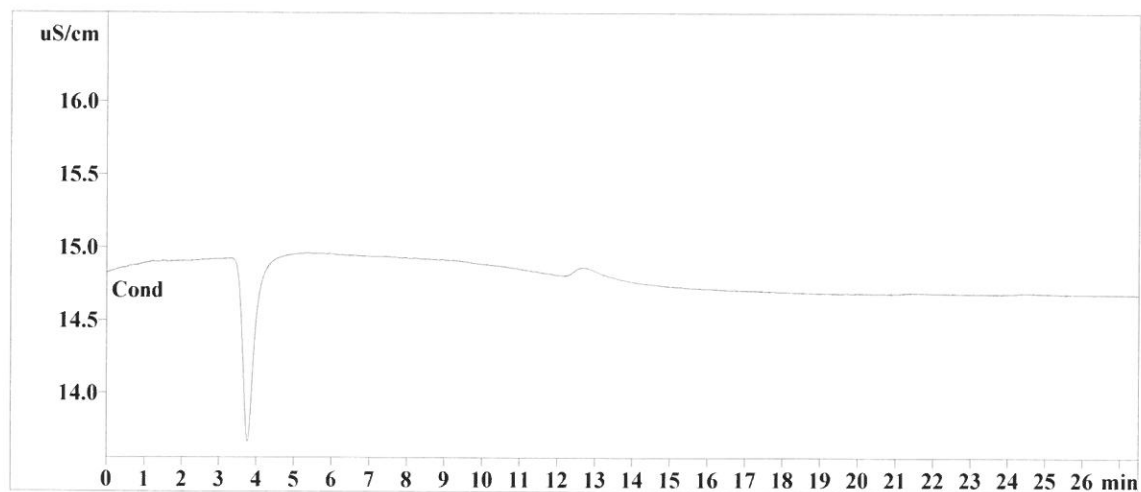
Ident: LB105527BLW
Analysis from: 10/7/2019 11:38:06 AM
File: _2019-10-07_

Last save: 10/8/2019 9:30:02 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68932

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: 10/8/2019 9:31:47 AM
 Printed by: wet

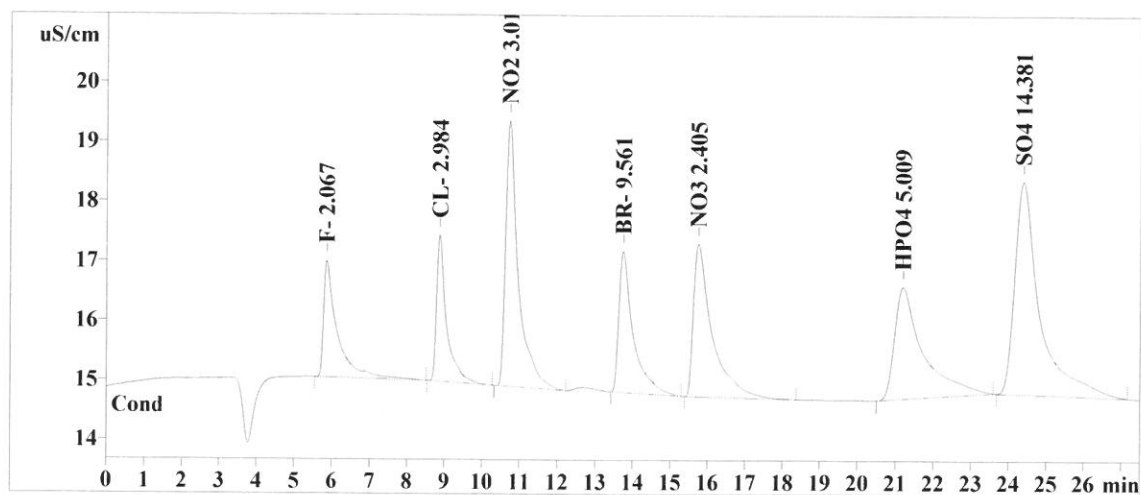
Ident: LB105527BSW
 Analysis from: 10/7/2019 12:08:31 PM
 File: _2019-10-07_

Last save: 10/8/2019 9:30:02 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68933

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	5.86	0.309	1.95	10.16	49.915	8.09	0.
2	8.87	0.234	2.45	12.75	45.585	7.38	0.
3	10.71	0.308	4.45	23.15	105.318	17.06	0.
4	13.73	0.346	2.37	12.31	63.586	10.30	0.
5	15.74	0.443	2.56	13.31	88.773	14.38	0.
6	21.19	0.651	1.87	9.75	98.401	15.94	0.
7	24.37	0.579	3.57	18.57	165.722	26.85	0.
7	27.50	0.410	19.21	99.99	617.301	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/8/2019 9:12:34 AM
Printed by: wet

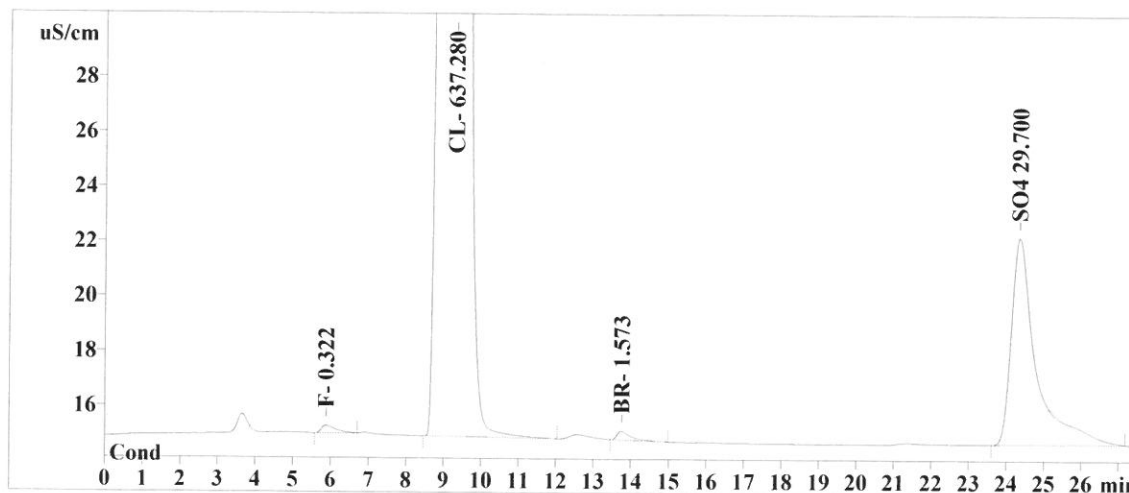
Ident: K5231-06
Analysis from: 10/7/2019 12:38:56 PM
File: _2019-10-07_

Last save: 10/8/2019 9:12:34 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68934

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

SAMPLE:
: AK/AP
Vial number: 56
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.88	0.391	0.28	0.07	7.410	0.07	0.
2	9.30	0.417	369.98	97.79	9939.579	96.47	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.75	0.349	0.32	0.09	8.245	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	24.34	0.565	7.55	1.99	347.871	3.38	0.
7	27.50	0.246	378.13	99.95	10303.106	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:13:47 AM
 Printed by: wet

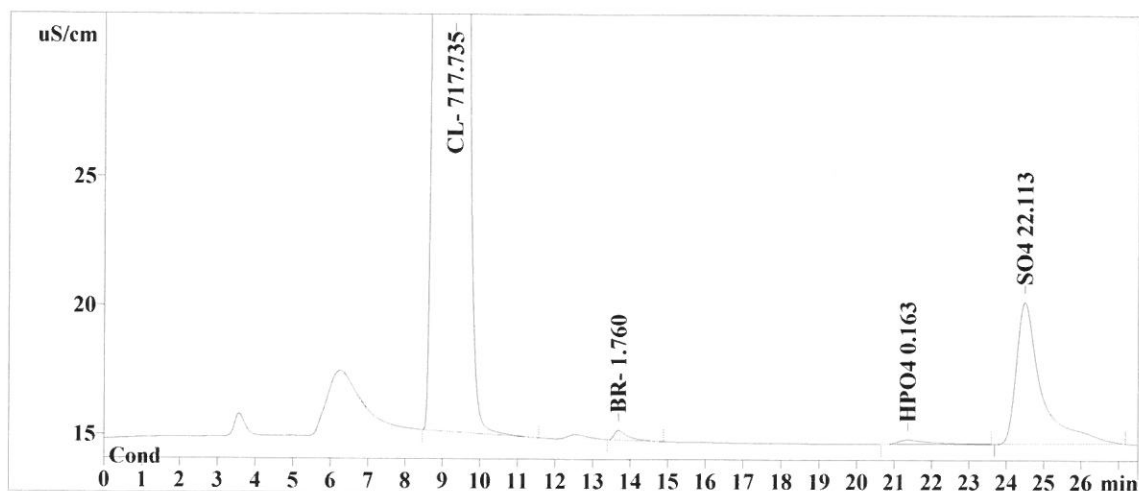
Ident: K5231-07
 Analysis from: 10/7/2019 1:09:21 PM
 File: _2019-10-07_

Last save: 10/8/2019 9:13:46 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68935

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

SAMPLE:
 : AK/AP
 Vial number: 57
 Volume: 20.0 µL
 Dilution: 1.00
 Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.30	0.446	392.74	98.43	11194.556	97.58	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.69	0.347	0.37	0.09	9.546	0.08	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	21.35	0.791	0.17	0.04	10.399	0.09	0.
7	24.48	0.581	5.49	1.38	257.653	2.25	0.
7	27.50	0.309	398.78	99.95	11472.154	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/8/2019 9:14:25 AM
Printed by: wet

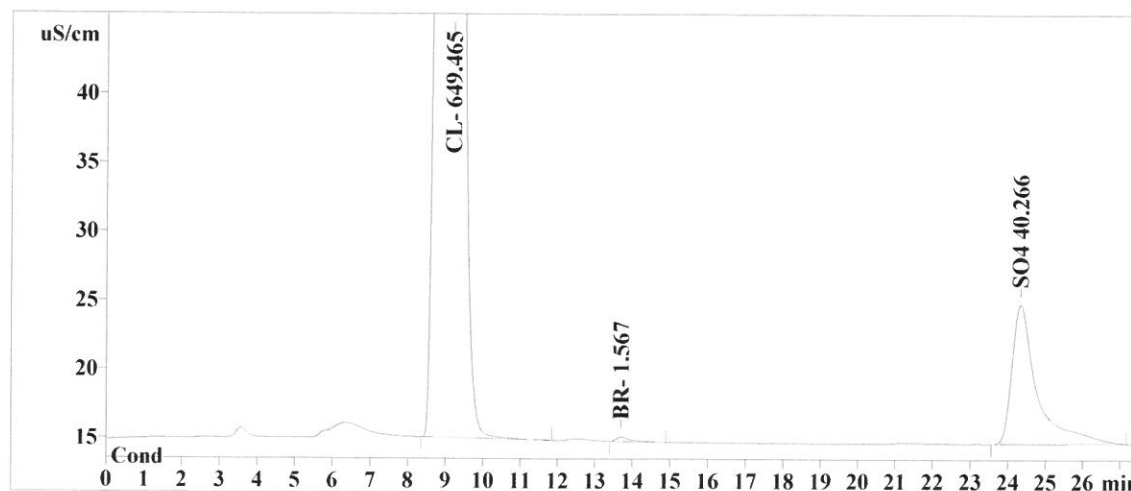
Ident: K5231-08
Analysis from: 10/7/2019 1:39:46 PM
File: _2019-10-07_

Last save: 10/8/2019 9:14:22 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68936

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

SAMPLE:
: AK/AP
Vial number: 58
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	9.18	0.429	367.71	97.19	10129.656	95.46	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.71	0.350	0.32	0.08	8.204	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	24.32	0.578	10.10	2.67	473.496	4.46	0.
7	27.50	0.194	378.13	99.94	10611.356	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:14:59 AM
Printed by: wet

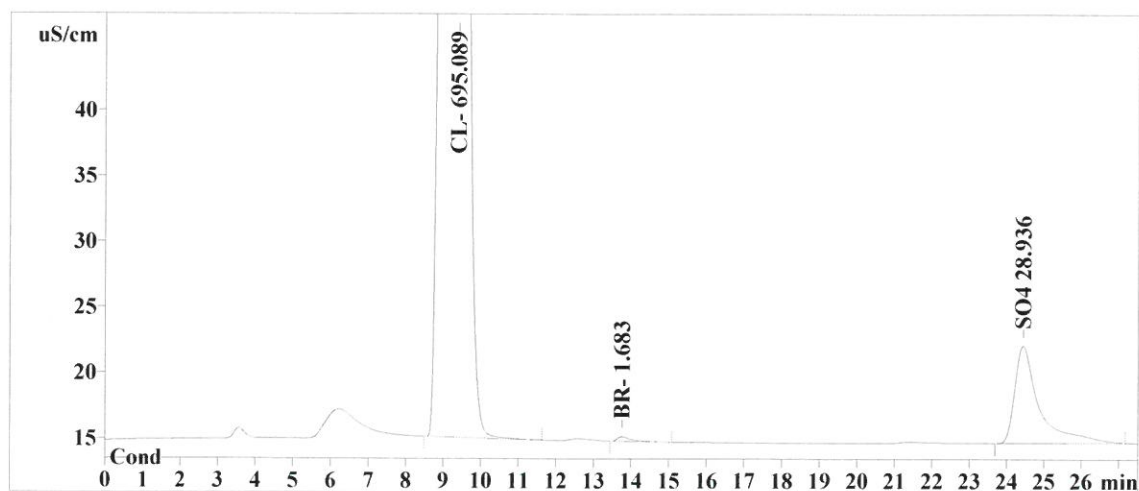
Ident: K5231-09
Analysis from: 10/7/2019 2:10:11 PM
File: _2019-10-07_

Last save: 10/8/2019 9:15:00 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68937

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

SAMPLE:
: AK/AP
Vial number: 59
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	0.439	385.84	97.96	10841.318	96.89	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.76	0.347	0.35	0.09	9.009	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	24.43	0.563	7.40	1.88	338.790	3.03	0.
7	27.50	0.193	393.60	99.93	11189.117	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:15:27 AM
 Printed by: wet

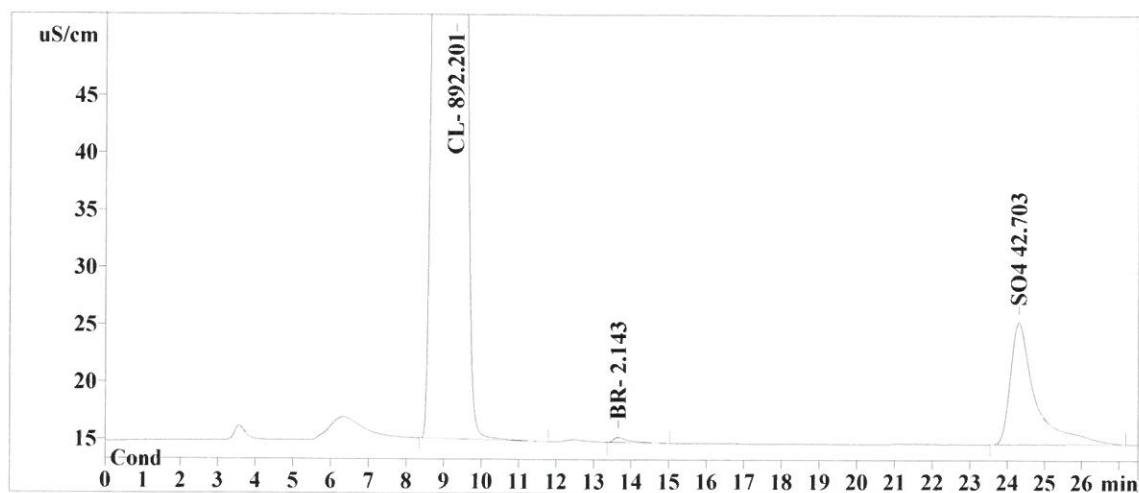
Ident: K5231-10
 Analysis from: 10/7/2019 2:40:36 PM
 File: _2019-10-07_

Last save: 10/8/2019 9:15:24 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68938

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

SAMPLE:
 : AK/AP
 Vial number: 60
 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	9.28	0.502	442.20	97.52	13915.948	96.43	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.66	0.363	0.45	0.10	12.197	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	24.29	0.582	10.63	2.35	502.482	3.48	0.
7	27.50	0.207	453.28	99.96	14430.627	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/8/2019 9:15:51 AM
Printed by: wet

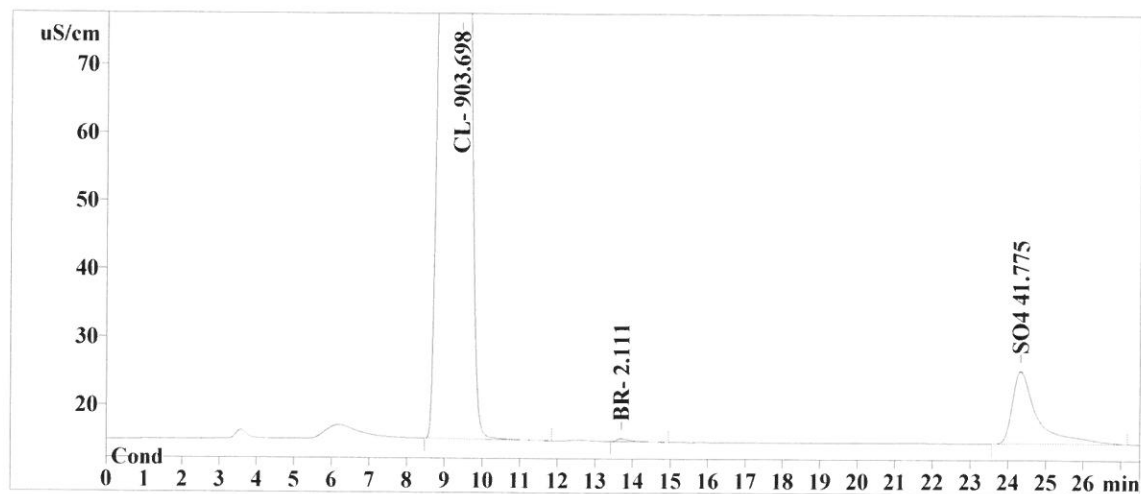
Ident: K5231-10DUP
Analysis from: 10/7/2019 3:11:01 PM
File: _2019-10-07_

Last save: 10/8/2019 9:15:50 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68939

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

SAMPLE:
: AK/AP
Vial number: 61
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	9.41	0.506	443.46	97.51	14095.285	96.55	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.70	0.354	0.45	0.10	11.977	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	24.33	0.566	10.66	2.34	491.450	3.37	0.
7	27.50	0.204	454.58	99.95	14598.711	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:19:36 AM
 Printed by: wet

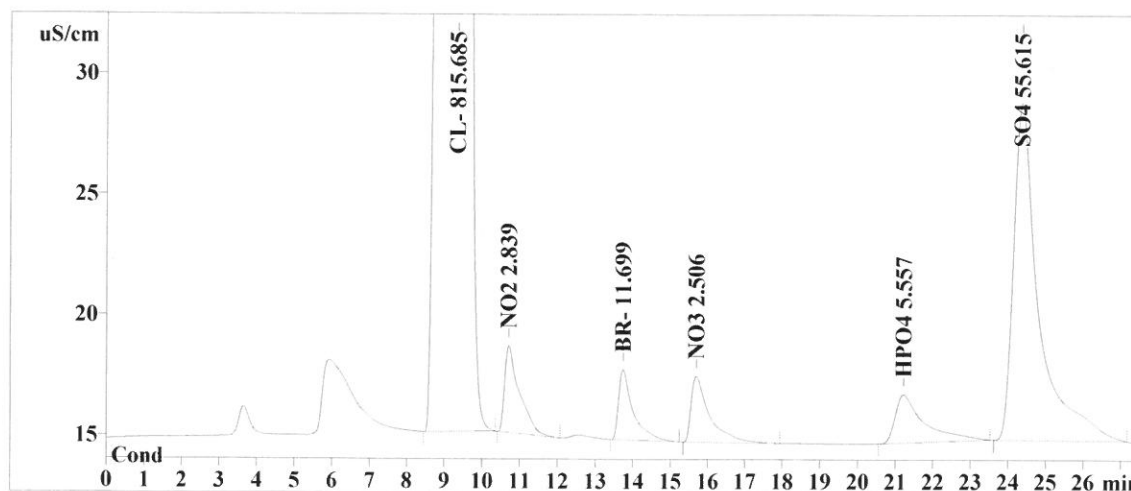
Ident: K5231-10MS
 Analysis from: 10/7/2019 3:41:26 PM
 File: _2019-10-07_

Last save: 10/8/2019 9:19:32 AM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68940

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

SAMPLE:
 : AK/AP
 Vial number: 62
 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	9.33	0.480	419.92	94.31	12722.425	92.48	0.
3	10.70	0.386	3.59	0.81	98.995	0.72	0.
4	13.73	0.349	2.91	0.65	78.396	0.57	0.
5	15.69	0.437	2.72	0.61	92.621	0.67	0.
6	21.21	0.670	2.01	0.45	108.346	0.79	0.
7	24.35	0.585	13.95	3.13	656.006	4.77	0.
7	27.50	0.415	445.10	99.96	13756.789	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/8/2019 9:19:14 AM
Printed by: wet

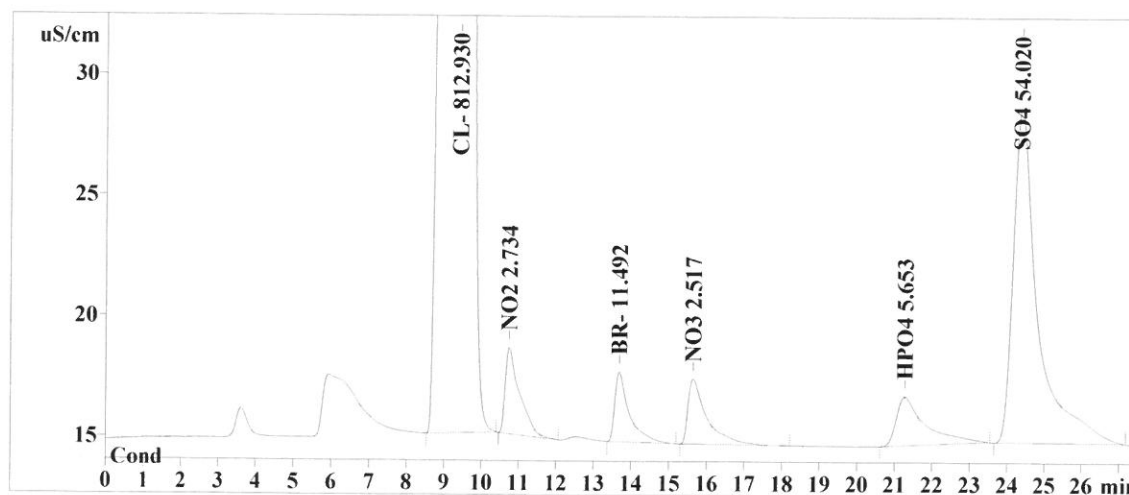
Ident: K5231-10MSD
Analysis from: 10/7/2019 4:11:51 PM
File: _2019-10-07_

Last save: 10/8/2019 9:19:12 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68941

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

SAMPLE:
: AK/AP
Vial number: 63
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	9.40	0.478	419.52	94.35	12679.443	92.61	0.
3	10.75	0.380	3.56	0.80	95.200	0.70	0.
4	13.68	0.344	2.88	0.65	76.964	0.56	0.
5	15.64	0.441	2.69	0.60	93.024	0.68	0.
6	21.27	0.680	2.02	0.45	110.105	0.80	0.
7	24.35	0.574	13.82	3.11	637.042	4.65	0.
7	27.50	0.414	444.49	99.96	13691.779	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:19:45 AM
Printed by: wet

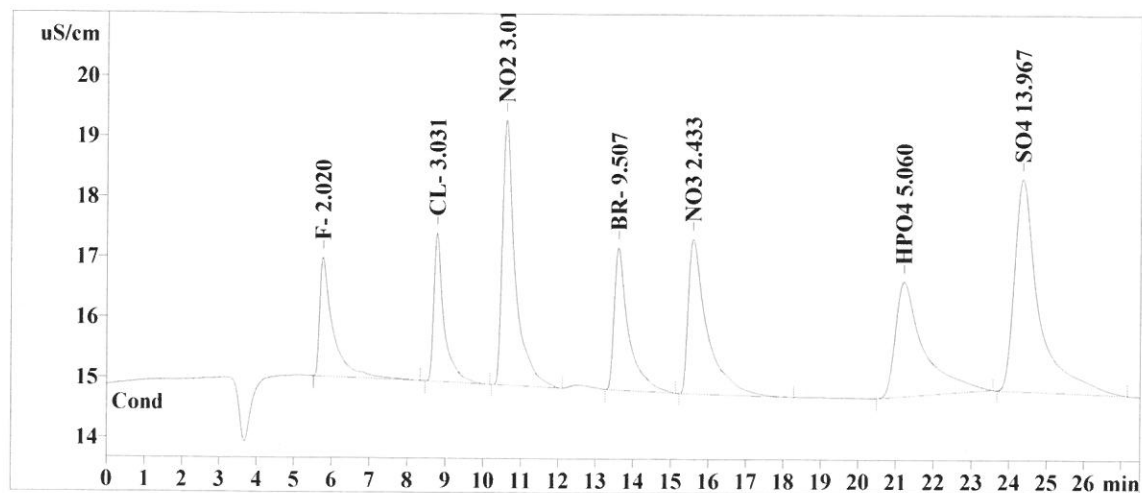
Ident: CCV
Analysis from: 10/7/2019 5:12:41 PM
File: _2019-10-07_

Last save: 10/7/2019 5:40:00 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68943

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	5.76	0.305	1.97	10.26	48.764	7.95	0.
2	8.77	0.239	2.45	12.80	46.306	7.55	0.
3	10.59	0.313	4.40	22.95	105.191	17.15	0.
4	13.60	0.347	2.36	12.31	63.213	10.30	0.
5	15.59	0.450	2.57	13.40	89.832	14.64	0.
6	21.20	0.651	1.90	9.92	99.329	16.19	0.
7	24.34	0.570	3.52	18.36	160.802	26.21	0.
7	27.50	0.411	19.17	99.99	613.437	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:20:40 AM
Printed by: wet

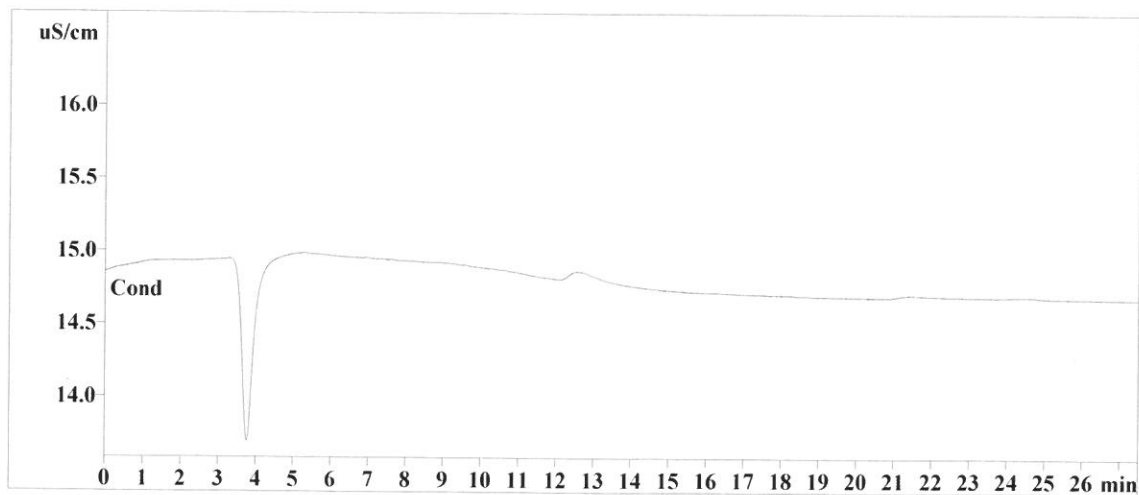
Ident: CCB
Analysis from: 10/7/2019 5:43:06 PM
File: _2019-10-07_

Last save: 10/7/2019 6:10:26 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68944

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: 10/8/2019 9:21:30 AM
Printed by: wet

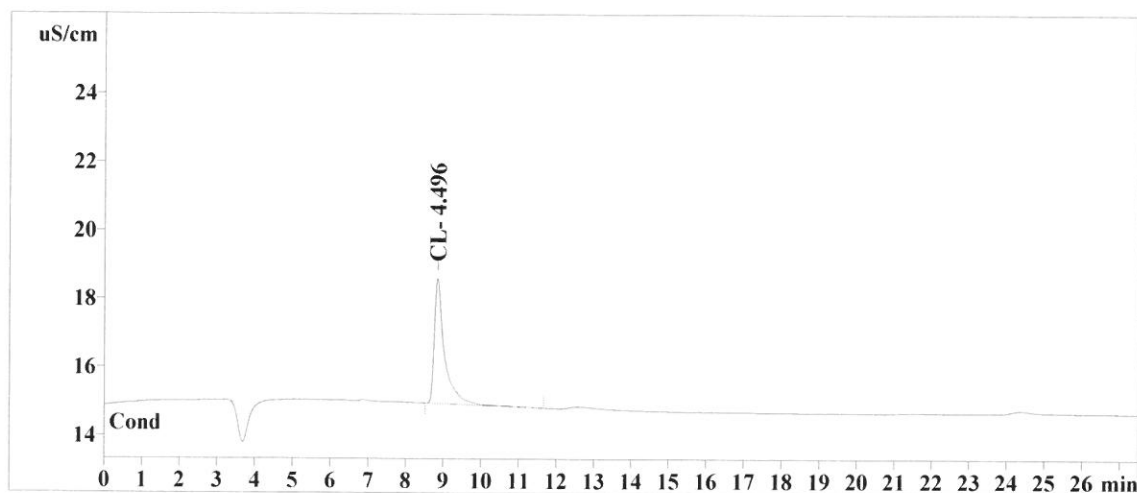
Ident: K5231-06DLX100
Analysis from: 10/7/2019 6:13:31 PM
File: _2019-10-07_

Last save: 10/8/2019 9:21:30 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68945

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

SAMPLE:
: AK/AP
Vial number: 64
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	0.235	3.64	100.01	69.167	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	3.64	100.01	69.167	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:21:46 AM
Printed by: wet

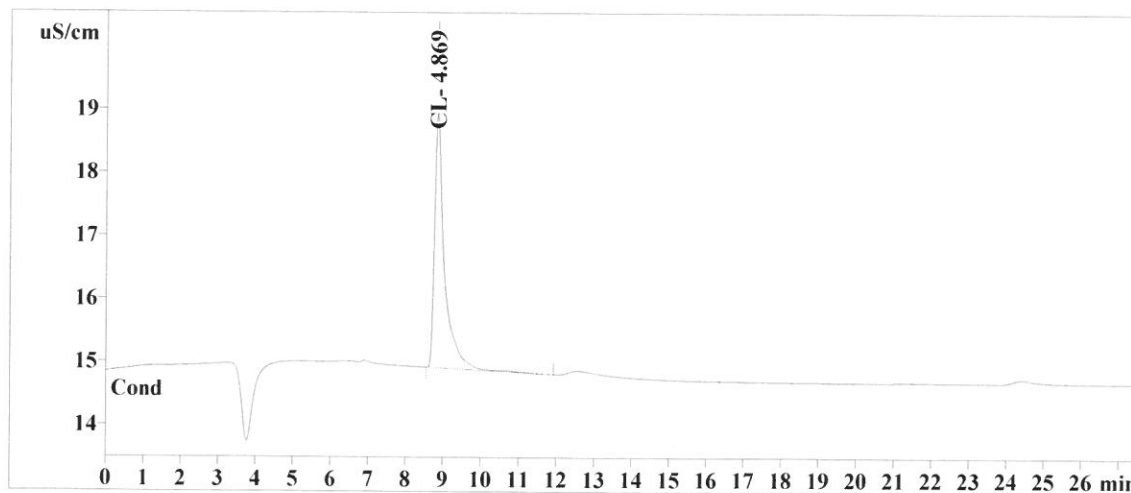
Ident: K5231-07DLX100
Analysis from: 10/7/2019 6:43:56 PM
File: _2019-10-07_

Last save: 10/8/2019 9:21:46 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68946

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

SAMPLE:
: AK/AP
Vial number: 65
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	4.03	100.01	74.982	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	4.03	100.01	74.982	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:22:03 AM
Printed by: wet

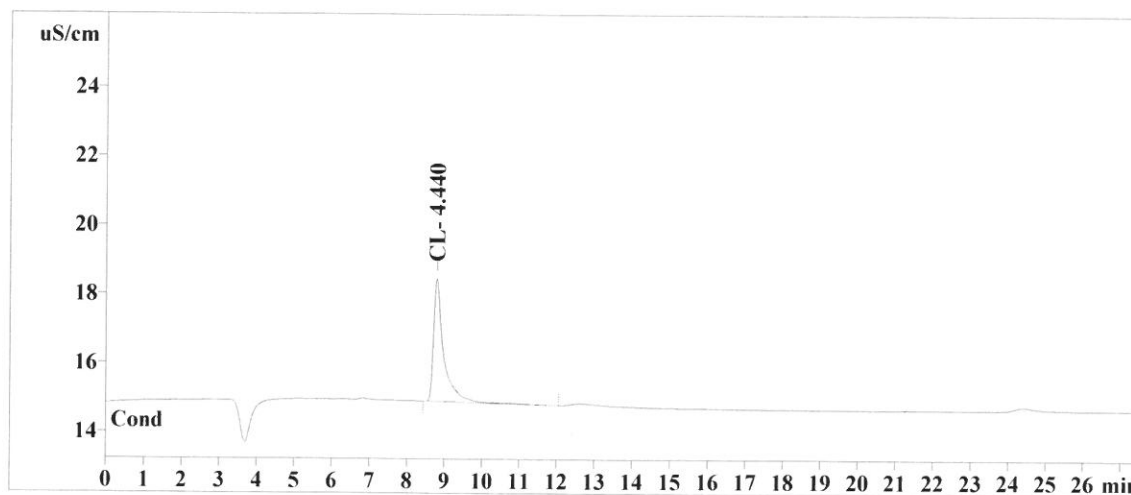
Ident: K5231-08DLX100
Analysis from: 10/7/2019 7:14:21 PM
File: _2019-10-07_

Last save: 10/8/2019 9:22:02 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68947

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

SAMPLE:
: AK/AP
Vial number: 66
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	0.234	3.55	99.99	68.284	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	3.55	99.99	68.284	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:22:19 AM
Printed by: wet

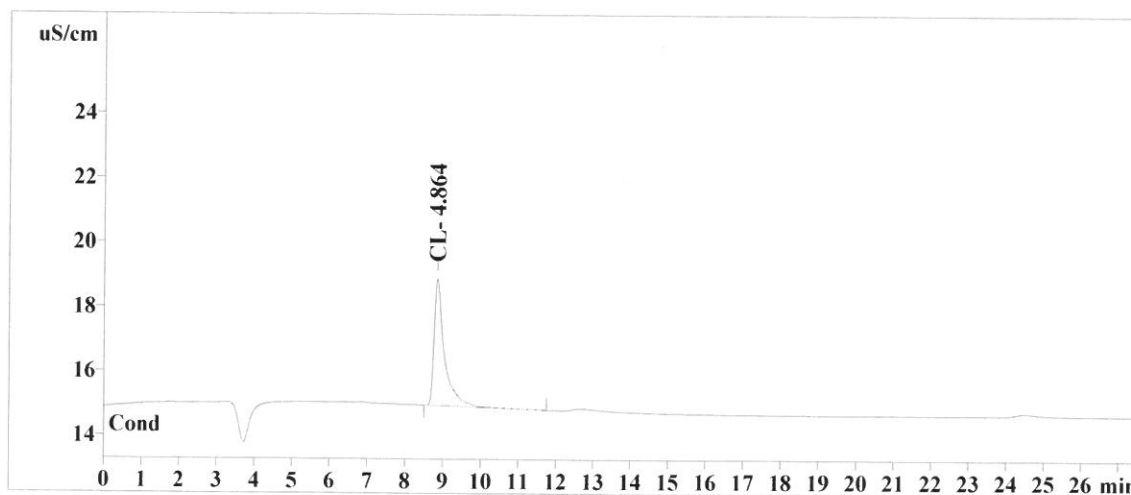
Ident: K5231-09DLX100
Analysis from: 10/7/2019 7:44:46 PM
File: _2019-10-07_

Last save: 10/8/2019 9:22:18 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68948

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

SAMPLE:
: AK/AP
Vial number: 67
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	8.85	0.238	3.92	100.00	74.908	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	3.92	100.00	74.908	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:22:36 AM
Printed by: wet

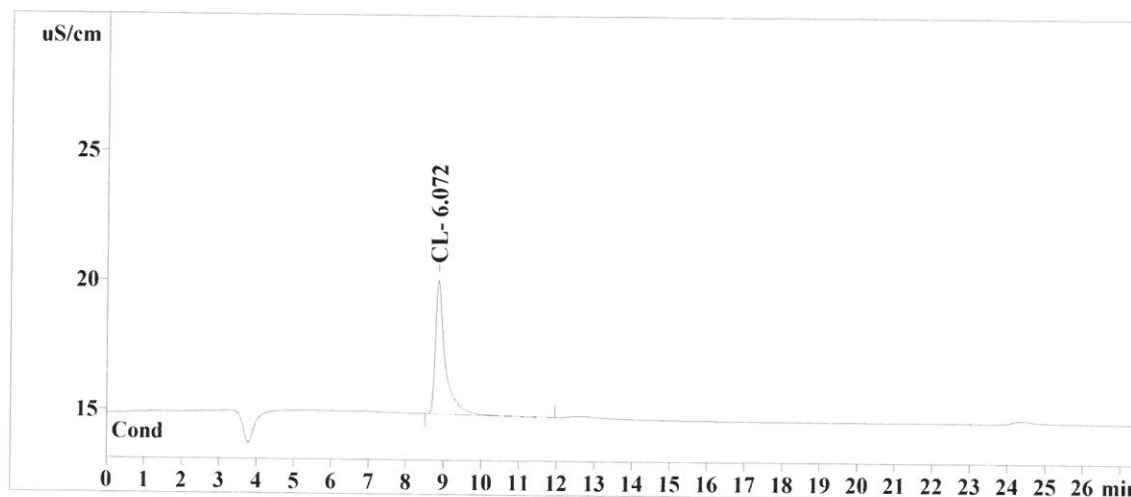
Ident: K5231-10DLX100
Analysis from: 10/7/2019 8:15:10 PM
File: _2019-10-07_

Last save: 10/8/2019 9:22:36 AM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68949

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

SAMPLE:
: AK/AP
Vial number: 68
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	8.85	0.225	5.16	100.00	93.746	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	0.032	5.16	100.00	93.746	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 10/8/2019 9:22:42 AM
 Printed by: wet

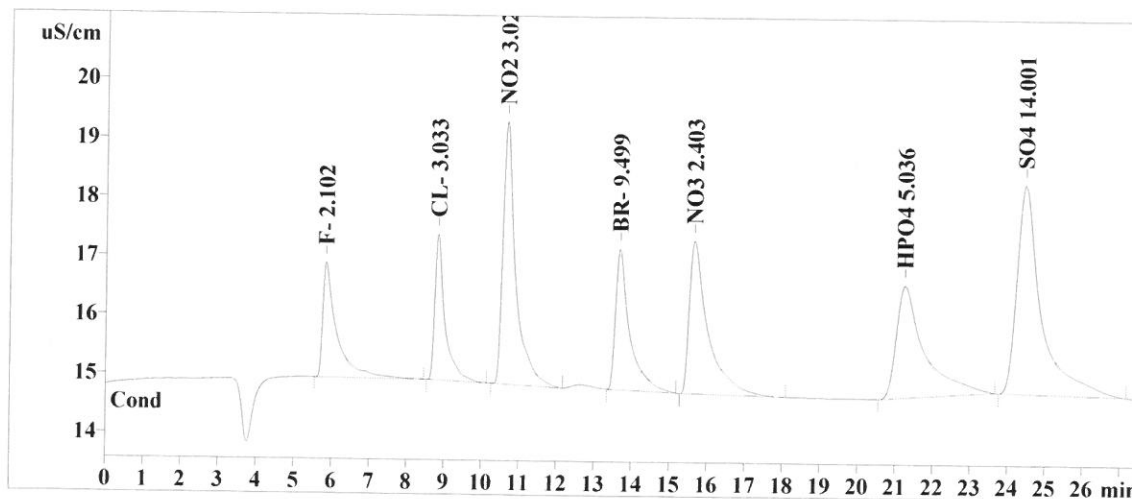
Ident: CCV
 Analysis from: 10/7/2019 8:45:35 PM
 File: _2019-10-07_

Last save: 10/7/2019 9:12:54 PM

Method: ANIONS 09-11-19.mtw
 Run operator: wet
 Analysis number: 68950

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	5.83	0.317	1.94	10.08	50.757	8.26	0.
2	8.82	0.237	2.47	12.82	46.340	7.54	0.
3	10.64	0.312	4.45	23.08	105.596	17.18	0.
4	13.66	0.343	2.38	12.36	63.160	10.28	0.
5	15.64	0.441	2.59	13.44	88.681	14.43	0.
6	21.24	0.642	1.90	9.85	98.893	16.09	0.
7	24.44	0.570	3.54	18.37	161.200	26.23	0.
7	27.50	0.409	19.26	99.99	614.627	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 10/8/2019 9:22:49 AM
Printed by: wet

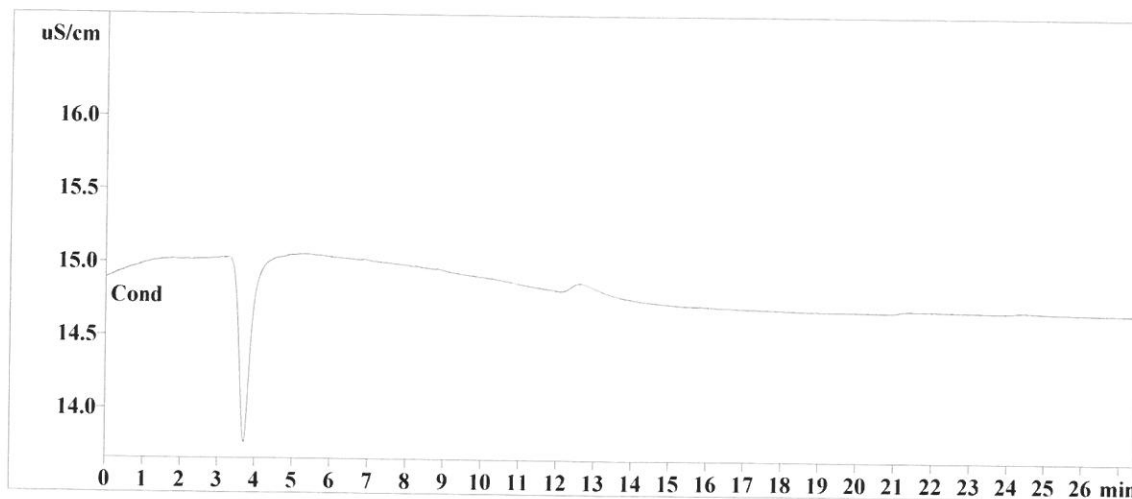
Ident: CCB
Analysis from: 10/7/2019 9:16:00 PM
File: _2019-10-07_

Last save: 10/7/2019 9:43:20 PM

Method: ANIONS 09-11-19.mtw
Run operator: wet
Analysis number: 68951

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