

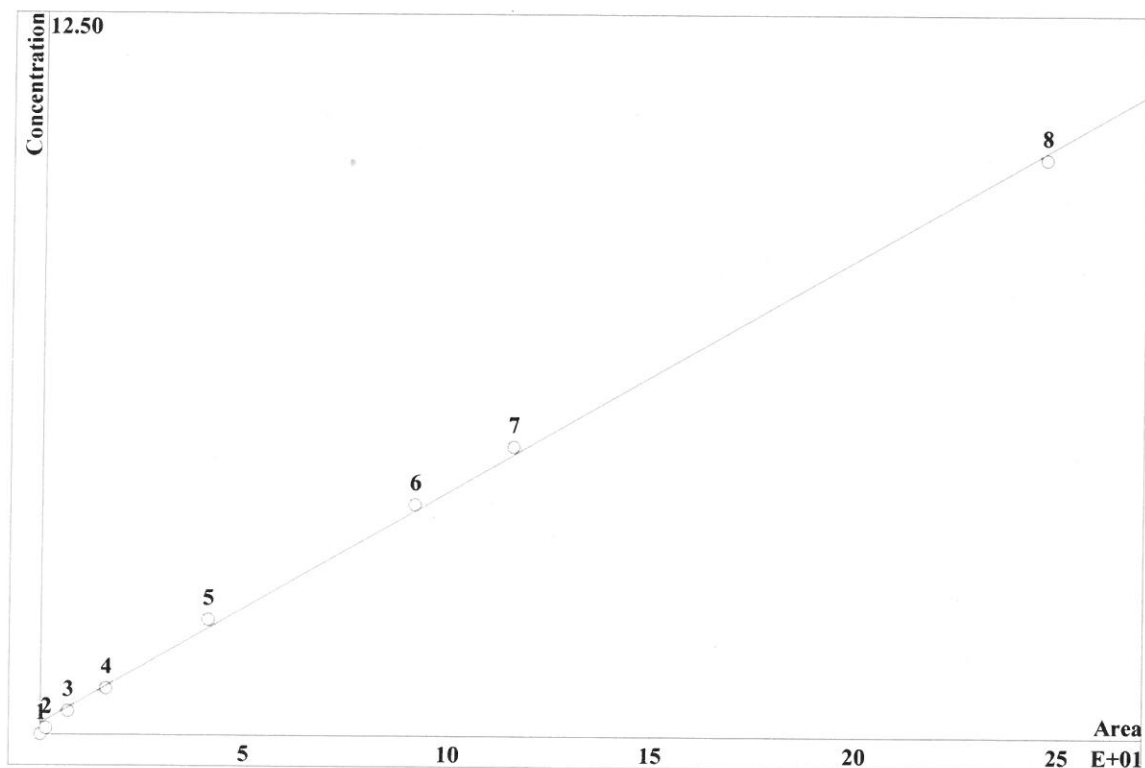
3000-0
 4/26/18

Clear table

ident	concentrati on F-	concentrati on CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-16_	1/16/17 10:57
STD2	0.2550	0.3570	0.3650	0.9130	0.3200	0.1410	2.2570	_2017-01-16_	1/16/17 11:26
STD3	0.4700	0.7650	0.7040	2.2700	0.6230	1.0380	4.0270	_2017-01-16_	1/16/17 11:55
STD4	0.8450	1.2590	1.2460	4.0820	0.9660	2.1140	6.4350	_2017-01-16_	1/16/17 12:24
STD5	1.8540	2.8670	2.9020	9.7560	2.1510	4.6880	14.1610	_2017-01-16_	1/16/17 12:53
STD6	3.8880	5.7220	5.9080	19.5270	4.2540	9.7910	28.1340	_2017-01-16_	1/16/17 13:22
STD7	4.8620	7.2480	7.3900	24.5100	5.3450	11.9620	35.6830	_2017-01-16_	1/16/17 13:51
STD8	10.1250	15.2310	15.3960	50.4420	11.5400	24.2460	76.5530	_2017-01-16_	1/16/17 14:20
ICV	4.6930	7.2950	7.5820	25.3950	6.1790	11.2800	36.4420	_2017-01-16_	1/16/17 15:57
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-16_	1/16/17 16:26
CCV	4.9320	7.2340	7.5530	25.2680	5.4380	11.7410	36.0650	_2017-01-19_	1/19/17 9:16
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-19_	1/19/17 9:45
LB85434BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-19_	1/19/17 10:14
LB85434BSW	4.7480	7.4220	7.4570	25.2200	6.0350	11.8880	36.7620	_2017-01-19_	1/19/17 11:17
I1272-08	3.8440	206.2240	0.0000	2.8620	0.0000	0.0000	129.4730	_2017-01-19_	1/19/17 11:57
I1272-23	0.0000	11.9430	0.0000	0.0000	11.8890	3.2670	0.0000	_2017-01-19_	1/19/17 12:26
I1272-33	0.0000	0.0000	2.9080	0.0000	0.0000	0.0000	0.0000	_2017-01-19_	1/19/17 12:55
I1307-04	5.1240	80.0830	0.0000	0.0000	3.7560	2.2160	25.5280	_2017-01-19_	1/19/17 13:24
I1272-08 5X	0.8050	34.6080	0.0000	0.9800	0.0000	0.0000	22.9780	_2017-01-19_	1/19/17 13:53
I1307-05	0.0000	0.0000	1.1570	0.0000	0.0000	0.0000	0.0000	_2017-01-19_	1/19/17 14:23
I1272-08 20X	0.0000	7.3290	0.0000	0.0000	0.0000	0.0000	6.6370	_2017-01-19_	1/19/17 14:53
I1307-04 10X	0.5560	6.2900	0.0000	0.0000	0.5650	0.1160	3.8950	_2017-01-19_	1/19/17 15:23
CCV	5.0100	7.2070	7.4650	25.6340	5.5060	12.6740	35.8120	_2017-01-19_	1/19/17 15:53
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-19_	1/19/17 16:26
I1272-23 2X	0.0000	5.9110	0.0000	0.0000	5.3610	1.8180	0.0000	_2017-01-19_	1/19/17 20:21
CCV	4.9520	7.2440	7.5100	25.1390	5.4570	12.0100	35.9360	_2017-01-19_	1/19/17 21:19
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-19_	1/19/17 21:48

CALIBRATION OF COMPONENT F-

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 0.805927 \cdot A + 3.96302$
 RSD: 4.423 %
 Correlation coefficient: 0.999336



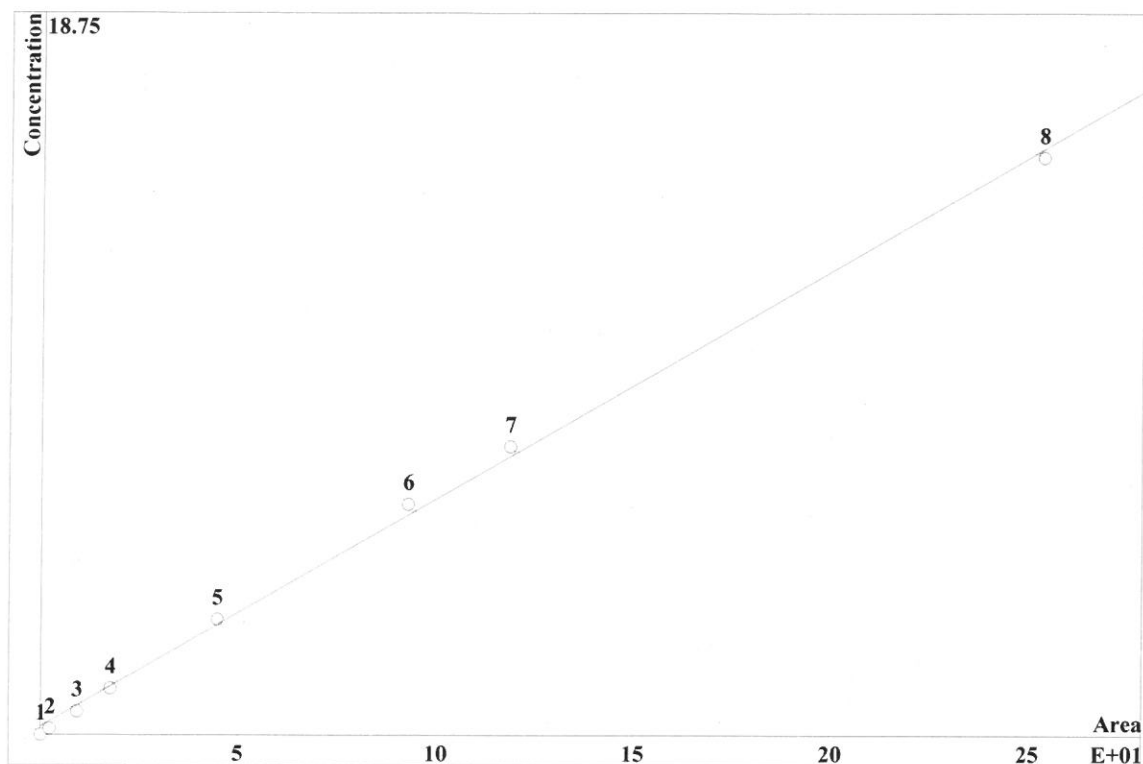
K3 = 0 K2 = 0 K1 = 0.805927 K0 = 3.96302

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	0.06847	1.415	0.1	20	5.749		Yes
3	0.3144	6.744	0.4	20	5.749		Yes
4	0.6861	16.06	0.8	20	5.749		Yes
5	1.923	41.09	2	20	5.749		Yes
6	4.239	91.58	4	20	5.749		Yes
7	5.397	115.8	5	20	5.749		Yes
8	11.4	246.3	10	20	5.749		Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 1.18372 \cdot A + 4.38173$
 RSD: 5.002 %
 Correlation coefficient: 0.999151



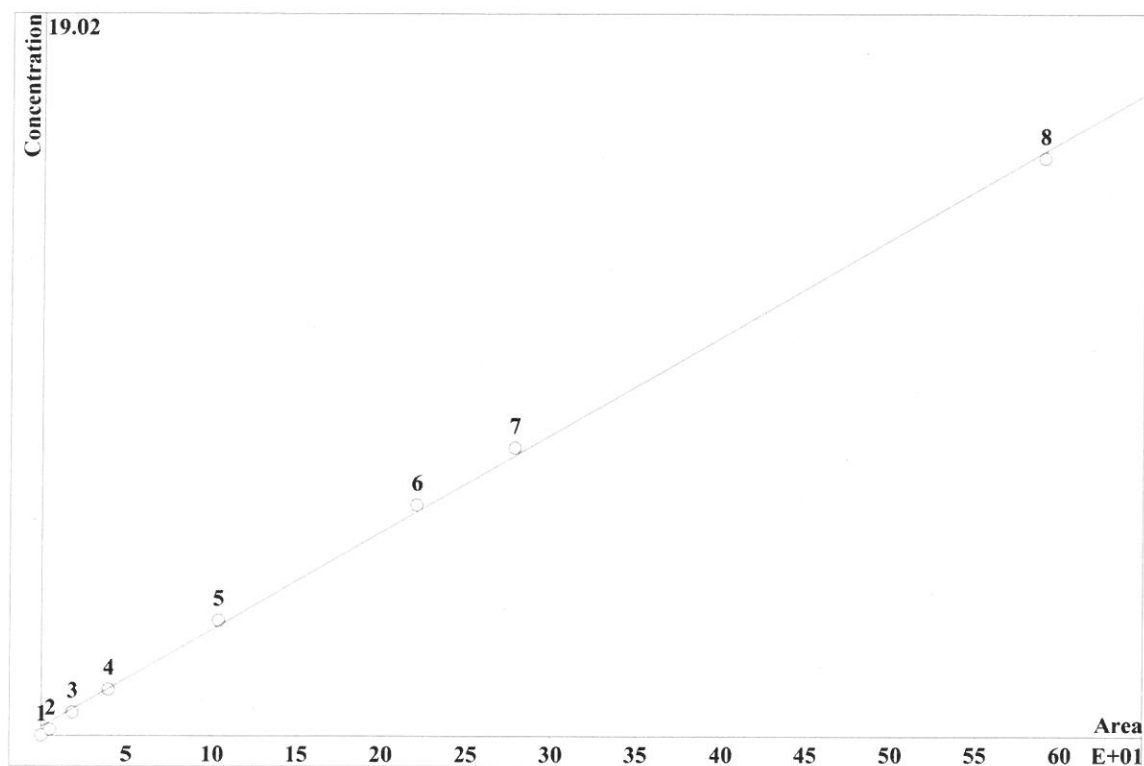
K3 = 0 K2 = 0 K1 = 1.18372 K0 = 4.38173

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	0.118	2.338	0.15	20	8.479			Yes
3	0.4614	9.228	0.6	20	8.479			Yes
4	0.8997	17.57	1.2	20	8.479			Yes
5	2.314	44.73	3	20	8.479			Yes
6	4.847	92.98	6	20	8.479			Yes
7	6.179	118.8	7.5	20	8.479			Yes
8	13.41	253.6	15	20	8.479			Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 0.514488 \cdot A + 4.64549$
 RSD: 3.925 %
 Correlation coefficient: 0.999478



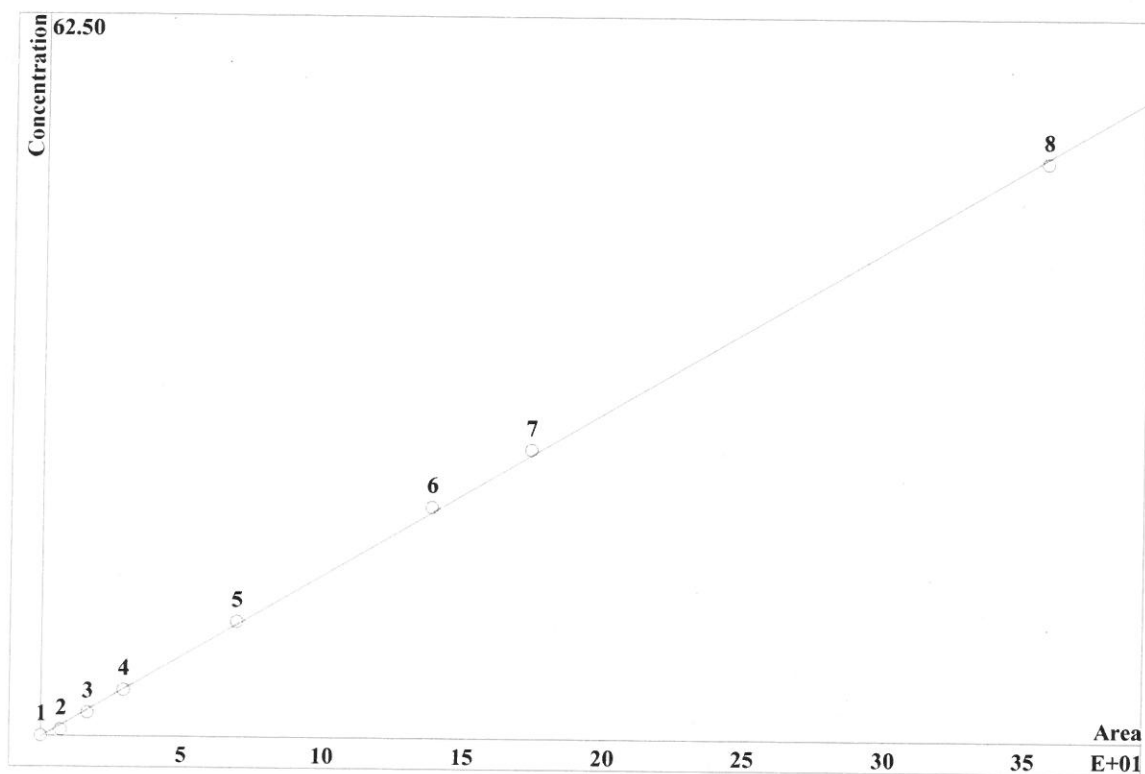
K3 = 0 K2 = 0 K1 = 0.514488 K0 = 4.64549

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	0.2158	5.168	0.152	20	10.05	Yes	
3	0.8384	18.33	0.608	20	10.05	Yes	
4	1.817	39.41	1.216	20	10.05	Yes	
5	4.839	103.8	3.04	20	10.05	Yes	
6	10.21	220.6	6.08	20	10.05	Yes	
7	13	278.3	7.6	20	10.05	Yes	
8	26.8	589.5	15.215	20	10.05	Yes	

CALIBRATION OF COMPONENT BR-

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 2.83473 \cdot A - 2.00192$
 RSD: 2.763 %
 Correlation coefficient: 0.999741



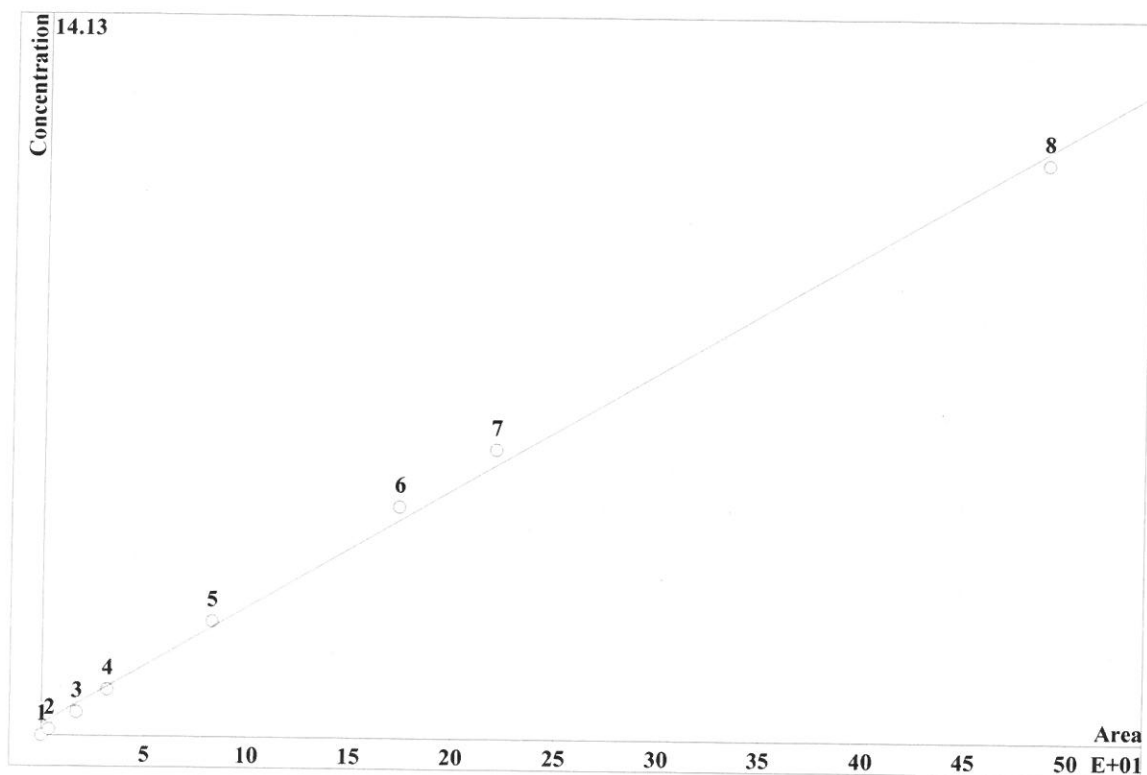
K3 = 0 K2 = 0 K1 = 2.83473 K0 = -2.00192

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	0.1901	7.148	0.5	20	12.84			Yes
3	0.5168	16.72	2	20	12.84			Yes
4	0.9311	29.51	4	20	12.84			Yes
5	2.095	69.54	10	20	12.84			Yes
6	3.767	138.5	20	20	12.84			Yes
7	4.409	173.6	25	20	12.84			Yes
8	7.258	356.6	50	20	12.84			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 0.463171 \cdot A + 4.72898$
 RSD: 6.909 %
 Correlation coefficient: 0.998379



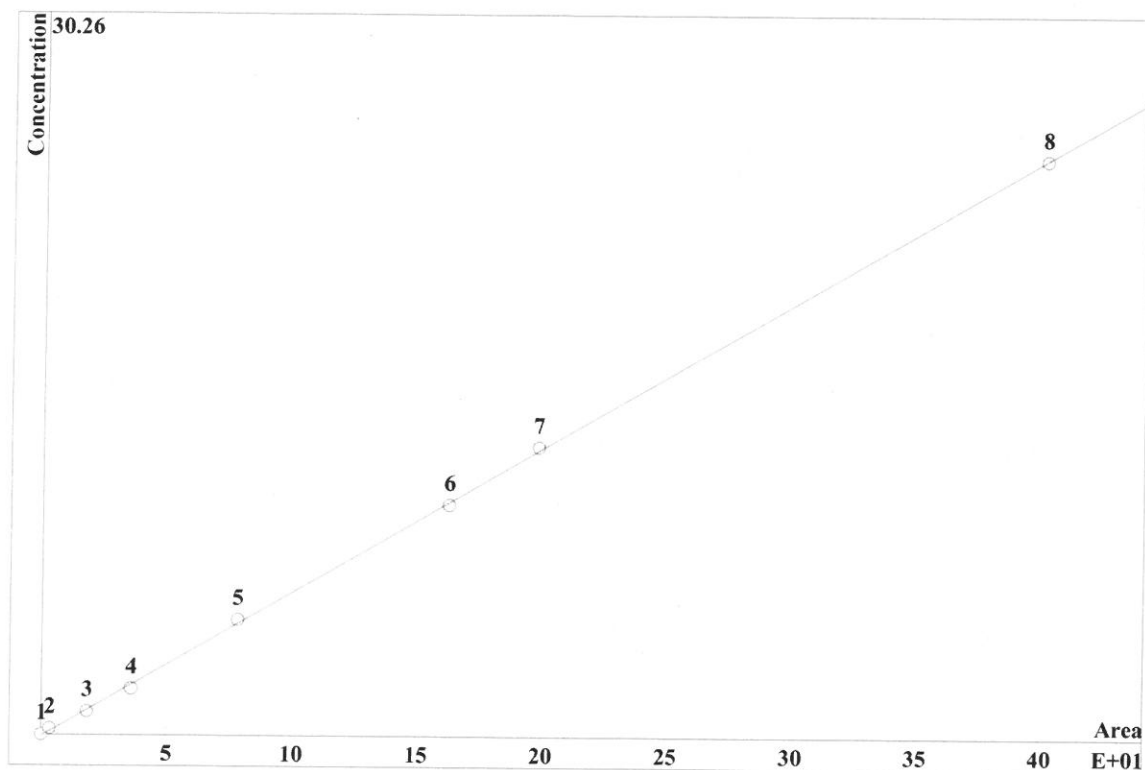
K3 = 0 K2 = 0 K1 = 0.463171 K0 = 4.72898

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	0.1348	3.621	0.113	20	14.38		Yes
3	0.6158	16.69	0.452	20	14.38		Yes
4	1.166	31.52	0.904	20	14.38		Yes
5	3.053	82.67	2.26	20	14.38		Yes
6	6.427	173.5	4.52	20	14.38		Yes
7	8.167	220.6	5.65	20	14.38		Yes
8	17.3	488.1	11.3	20	14.38		Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 1.21134 \cdot A - 1.14233$
 RSD: 1.858 %
 Correlation coefficient: 0.999883



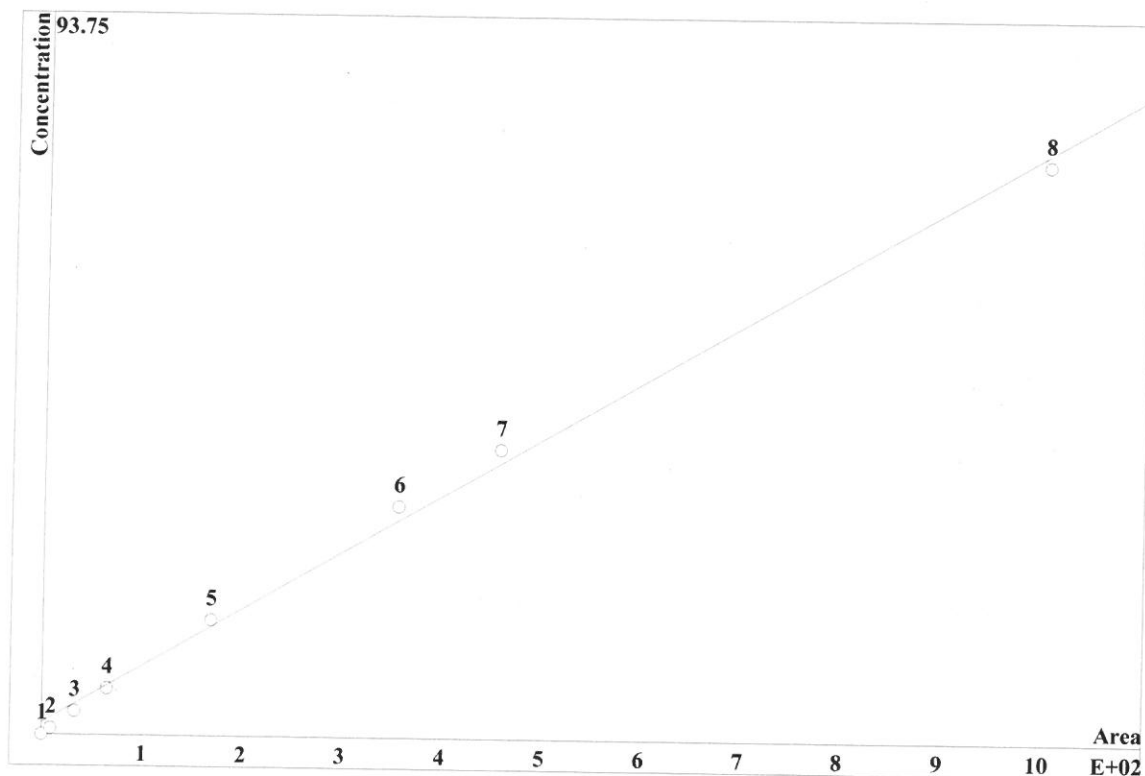
K3 = 0 K2 = 0 K1 = 1.21134 K0 = -1.14233

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	0.05694	3.264	0.242	20	20.62		Yes
3	0.3217	18.08	0.968	20	20.62		Yes
4	0.6419	35.85	1.936	20	20.62		Yes
5	1.487	78.34	4.841	20	20.62		Yes
6	3.275	162.6	9.682	20	20.62		Yes
7	4.069	198.4	12.1	20	20.62		Yes
8	8.754	401.3	24.21	20	20.62		Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 01-16-17.mtw
 Equation: $Q = 1.49158 \cdot A + 31.8808$
 RSD: 6.856 %
 Correlation coefficient: 0.998404



K3 = 0 K2 = 0 K1 = 1.49158 K0 = 31.8808

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	0.1915	8.896	0.75	20	23.34			Yes
3	0.7434	32.63	3	20	23.34			Yes
4	1.487	64.91	6	20	23.34			Yes
5	3.921	168.5	15	20	23.34			Yes
6	8.437	355.9	30	20	23.34			Yes
7	10.92	457.1	37.5	20	23.34			Yes
8	24.46	1005	75	20	23.34			Yes

Report date: 1/17/2017 5:10:24 PM
Printed by: wet

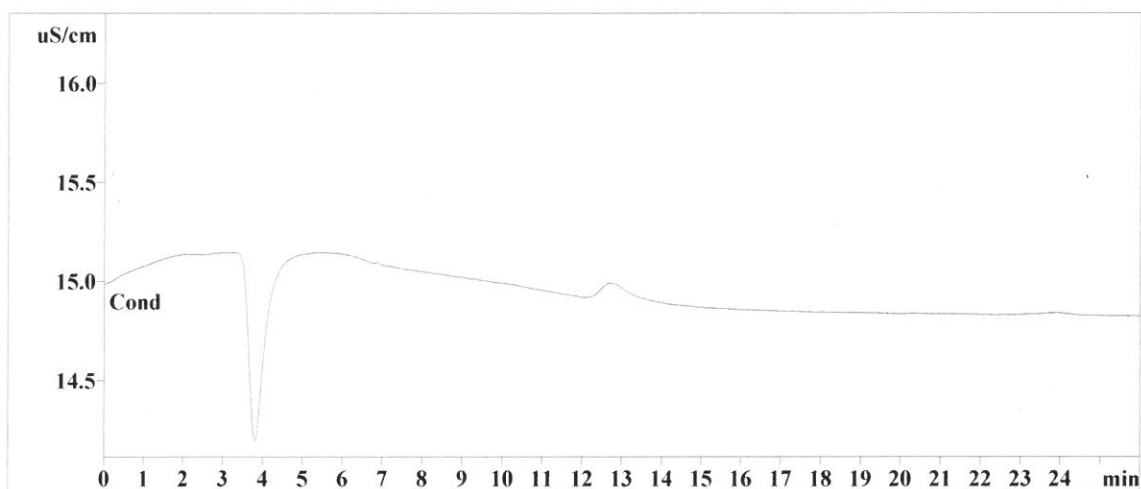
Ident: STD1
Analysis from: 1/16/2017 10:57:53 AM
File: _2017-01-16_

Last save: 1/17/2017 5:10:06 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56540

Last save: 1/17/2017 5:10:18 PM

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



Quantitation method: Custom

No peaks

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Report date: 1/17/2017 5:10:48 PM
Printed by: wet

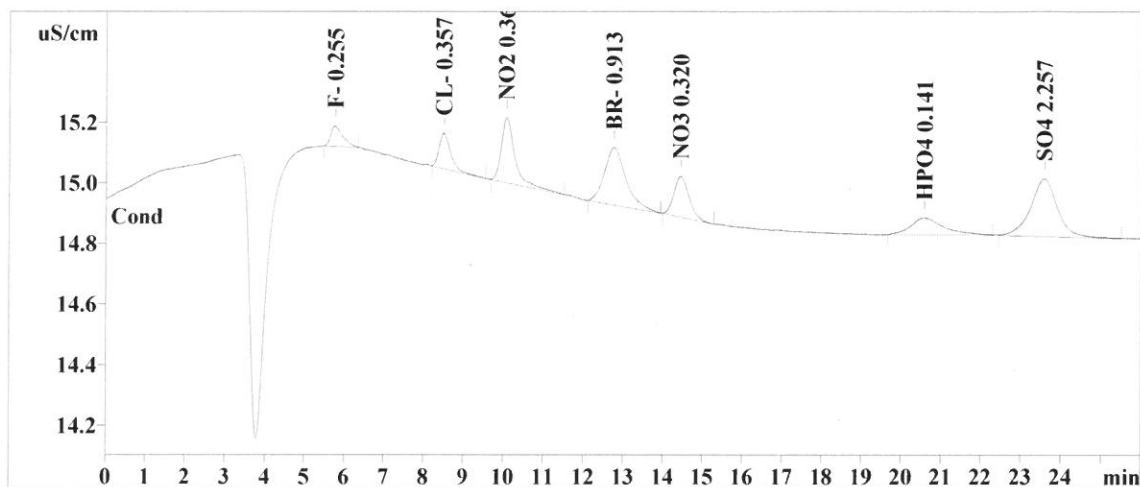
Ident: STD2
Analysis from: 1/16/2017 11:26:51 AM
File: _2017-01-16_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56541

Last save: 1/17/2017 5:10:48 PM

SAMPLE:
: AP/AK
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	5.77	0.312	0.07	6.95	1.415	4.44	0.
2	8.49	0.288	0.12	12.03	2.338	7.34	0.
3	10.08	0.327	0.22	22.07	5.168	16.23	0.
4	12.75	0.555	0.19	19.43	7.148	22.44	0.
5	14.44	0.413	0.13	13.78	3.621	11.37	0.
6	20.57	0.815	0.06	5.75	3.264	10.25	0.
7	23.57	0.663	0.19	19.57	8.896	27.93	0.
7	26.00	0.482	0.97	99.56	31.849	100.00	0.

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Report date: 1/17/2017 5:11:03 PM
Printed by: wet

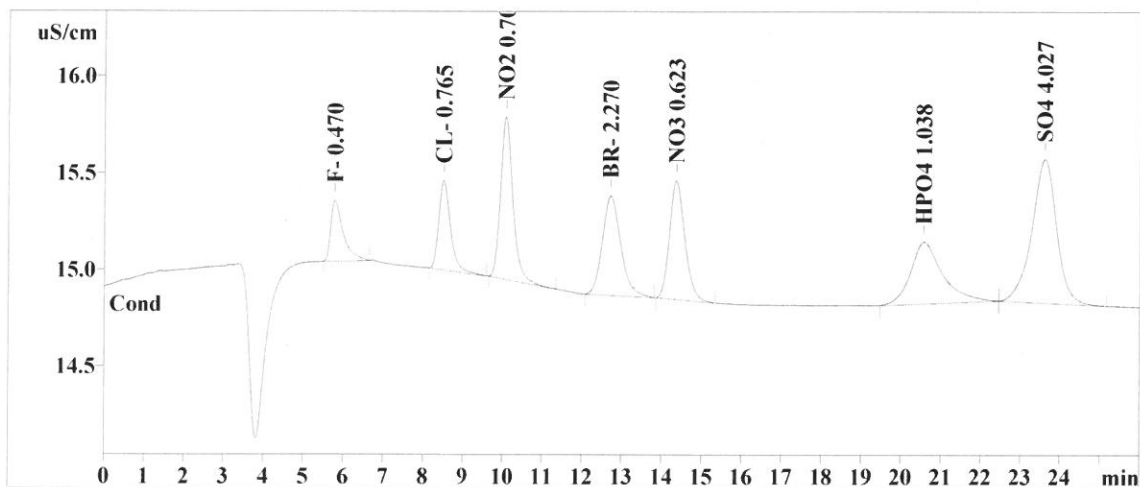
Ident: STD3
Analysis from: 1/16/2017 11:55:49 AM
File: _2017-01-16_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56542

Last save: 1/17/2017 5:11:04 PM

SAMPLE:
: AP/AK
Vial number: 4
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.79	0.302	0.31	8.24	6.744	5.70	0.
2	8.51	0.292	0.46	12.09	9.228	7.79	0.
3	10.07	0.320	0.84	21.98	18.327	15.48	0.
4	12.71	0.488	0.52	13.54	16.720	14.12	0.
5	14.35	0.411	0.62	16.14	16.694	14.10	0.
6	20.56	0.780	0.32	8.43	18.083	15.27	0.
7	23.60	0.643	0.74	19.49	32.625	27.55	0.
7	26.00	0.462	3.81	99.90	118.420	100.00	0.

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Report date: 1/17/2017 5:11:17 PM
Printed by: wet

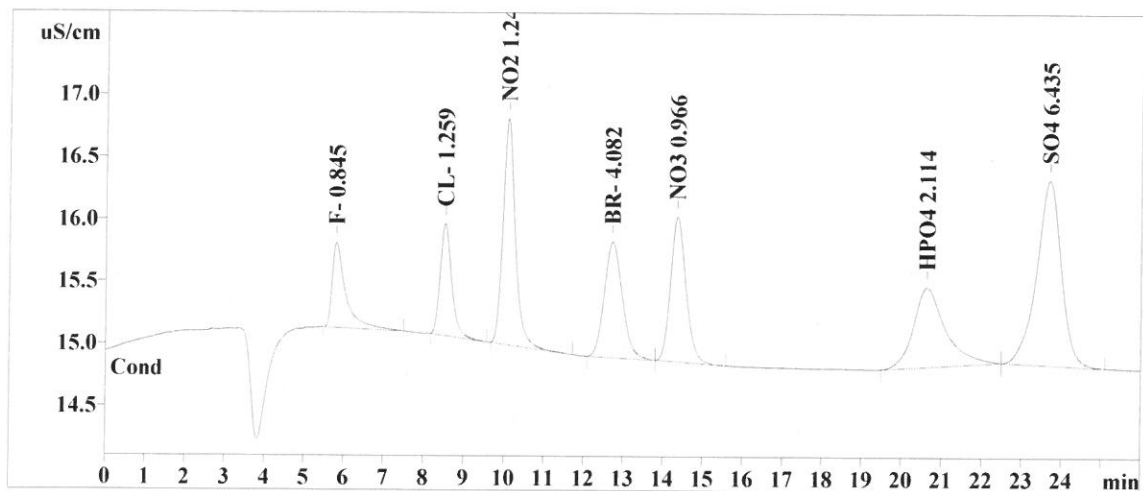
Ident: STD4
Analysis from: 1/16/2017 12:24:47 PM
File: _2017-01-16_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56543

Last save: 1/17/2017 5:11:18 PM

SAMPLE:
: AP/AK
Vial number: 5
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.81	0.301	0.69	8.99	16.060	6.84	0.
2	8.52	0.289	0.90	11.79	17.570	7.48	0.
3	10.08	0.317	1.82	23.82	39.410	16.78	0.
4	12.72	0.488	0.93	12.20	29.506	12.57	0.
5	14.34	0.409	1.16	15.27	31.517	13.42	0.
6	20.62	0.780	0.64	8.40	35.846	15.27	0.
7	23.68	0.641	1.49	19.49	64.907	27.64	0.
7	26.00	0.460	7.63	99.96	234.817	100.00	0.

This report has been created by IC Net
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Report date: 1/17/2017 5:13:28 PM
Printed by: wet

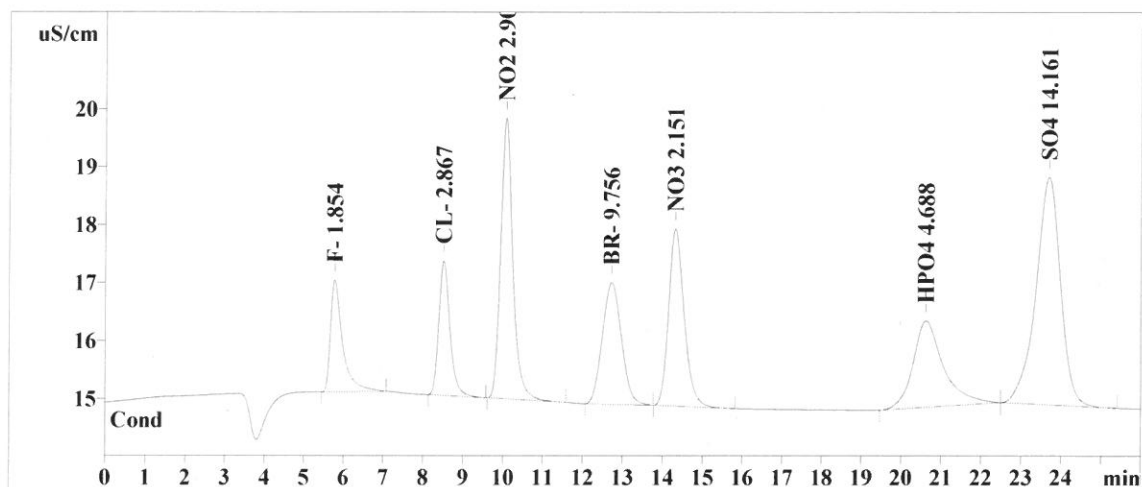
Ident: STD5
Analysis from: 1/16/2017 12:53:45 PM
File: _2017-01-16_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56544

Last save: 1/17/2017 5:13:28 PM

SAMPLE:
: AP/AK
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	5.78	0.291	1.92	9.79	41.094	6.98	0.
2	8.51	0.285	2.31	11.79	44.734	7.60	0.
3	10.06	0.313	4.84	24.65	103.765	17.63	0.
4	12.72	0.522	2.09	10.67	69.538	11.81	0.
5	14.31	0.406	3.05	15.55	82.669	14.04	0.
6	20.62	0.730	1.49	7.57	78.340	13.31	0.
7	23.69	0.632	3.92	19.97	168.504	28.63	0.
7	26.00	0.454	19.63	99.98	588.645	100.00	0.

This report has been created by IC Net
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Report date: 1/17/2017 5:13:44 PM
Printed by: wet

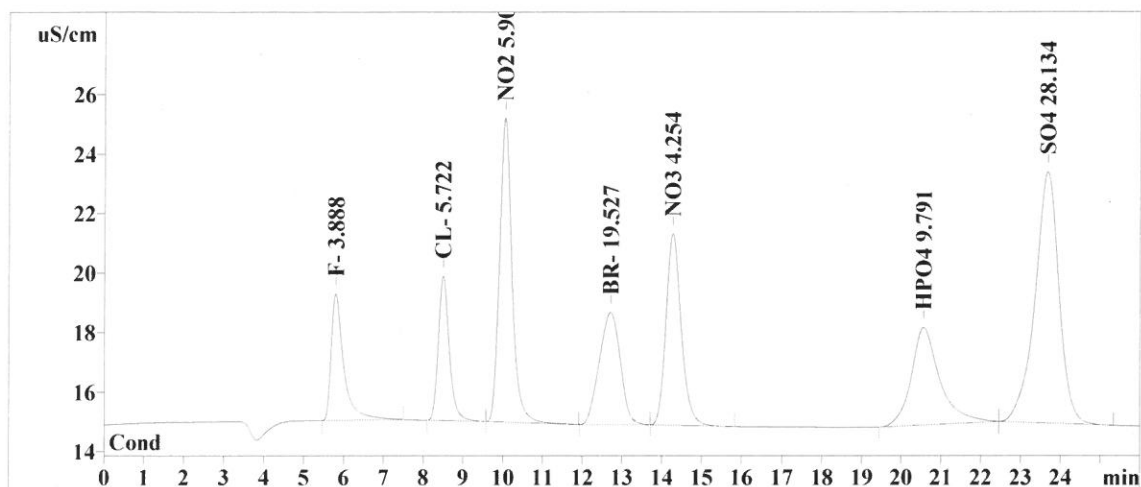
Ident: STD6
Analysis from: 1/16/2017 1:22:43 PM
File: _2017-01-16_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56545

Last save: 1/17/2017 5:13:44 PM

SAMPLE:
: AP/AK
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	0.291	4.24	10.29	91.575	7.41	0.
2	8.49	0.282	4.85	11.76	92.981	7.52	0.
3	10.04	0.315	10.21	24.77	220.648	17.86	0.
4	12.71	0.589	3.77	9.14	138.479	11.21	0.
5	14.27	0.407	6.43	15.60	173.487	14.04	0.
6	20.56	0.684	3.27	7.95	162.600	13.16	0.
7	23.67	0.619	8.44	20.48	355.863	28.80	0.
7	26.00	0.455	41.20	99.99	1235.633	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/17/2017 5:14:01 PM
Printed by: wet

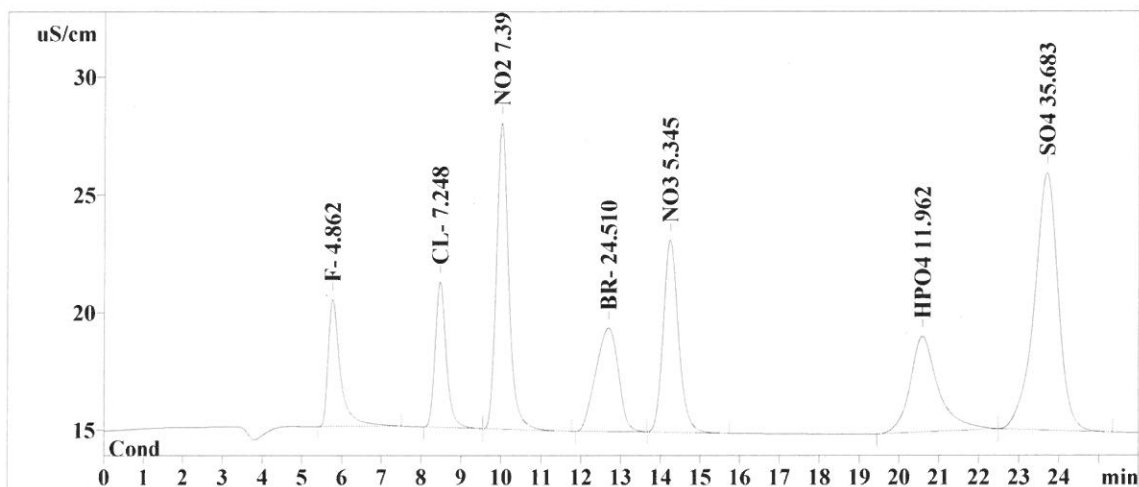
Ident: STD7
Analysis from: 1/16/2017 1:51:42 PM
File: _2017-01-16_

Last save: 1/17/2017 5:09:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56546

Last save: 1/17/2017 5:14:00 PM

SAMPLE:
: AP/AK
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	0.290	5.40	10.35	115.750	7.41	0.
2	8.47	0.283	6.18	11.85	118.761	7.60	0.
3	10.01	0.313	13.00	24.93	278.261	17.81	0.
4	12.68	0.637	4.41	8.45	173.632	11.11	0.
5	14.23	0.408	8.17	15.66	220.575	14.12	0.
6	20.58	0.672	4.07	7.80	198.440	12.70	0.
7	23.69	0.615	10.92	20.95	457.081	29.25	0.
7	26.00	0.459	52.14	100.00	1562.500	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/17/2017 5:14:22 PM
Printed by: wet

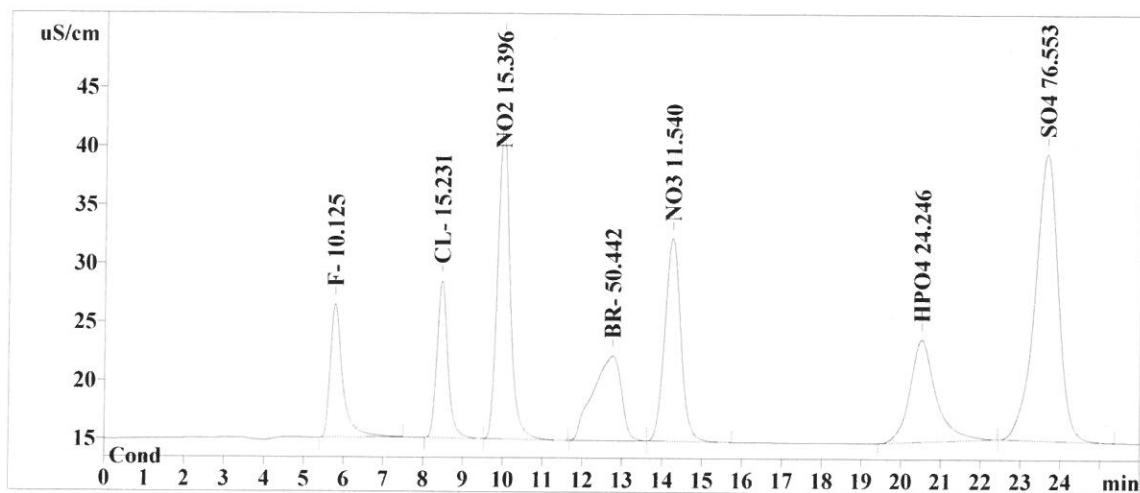
Ident: STD8
Analysis from: 1/16/2017 2:20:40 PM
File: _2017-01-16_

Last save: 1/17/2017 5:14:20 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56547

Last save: 1/17/2017 5:14:22 PM

SAMPLE:
: AP/AK
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	5.78	0.298	11.40	10.42	246.340	7.37	0.
2	8.45	0.278	13.41	12.26	253.645	7.59	0.
3	9.98	0.324	26.80	24.50	589.458	17.65	0.
4	12.76	0.810	7.26	6.64	356.593	10.67	0.
5	14.24	0.433	17.30	15.81	488.075	14.61	0.
6	20.50	0.632	8.75	8.00	401.259	12.01	0.
7	23.64	0.604	24.46	22.37	1005.095	30.09	0.
7	26.00	0.483	109.38	100.00	3340.464	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/17/2017 5:17:12 PM
Printed by: wet

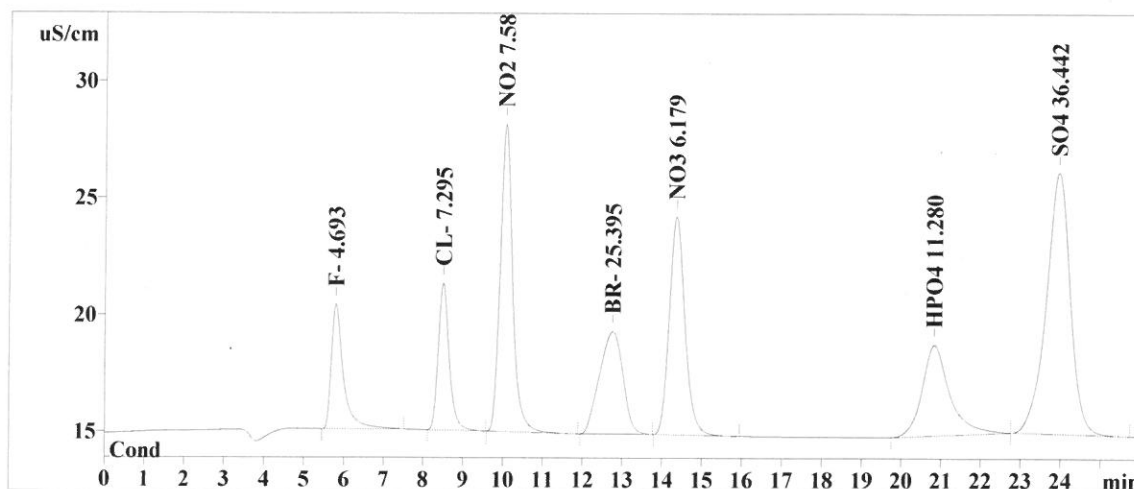
Ident: ICV
Analysis from: 1/16/2017 3:57:58 PM
File: _2017-01-16_

Last save: 1/17/2017 5:14:52 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56550

Last save: 1/16/2017 2:17:32 PM

SAMPLE:
: AP/AK
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	5.79	0.288	5.32	9.96	111.545	6.94	0.
2	8.50	0.281	6.28	11.74	119.556	7.44	0.
3	10.05	0.319	13.13	24.56	285.699	17.77	0.
4	12.75	0.668	4.38	8.20	179.874	11.19	0.
5	14.35	0.417	9.31	17.41	256.587	15.96	0.
6	20.82	0.667	3.87	7.24	187.179	11.64	0.
7	23.94	0.618	11.17	20.89	467.264	29.06	0.
7	26.00	0.465	53.45	99.99	1607.704	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/17/2017 5:18:01 PM
Printed by: wet

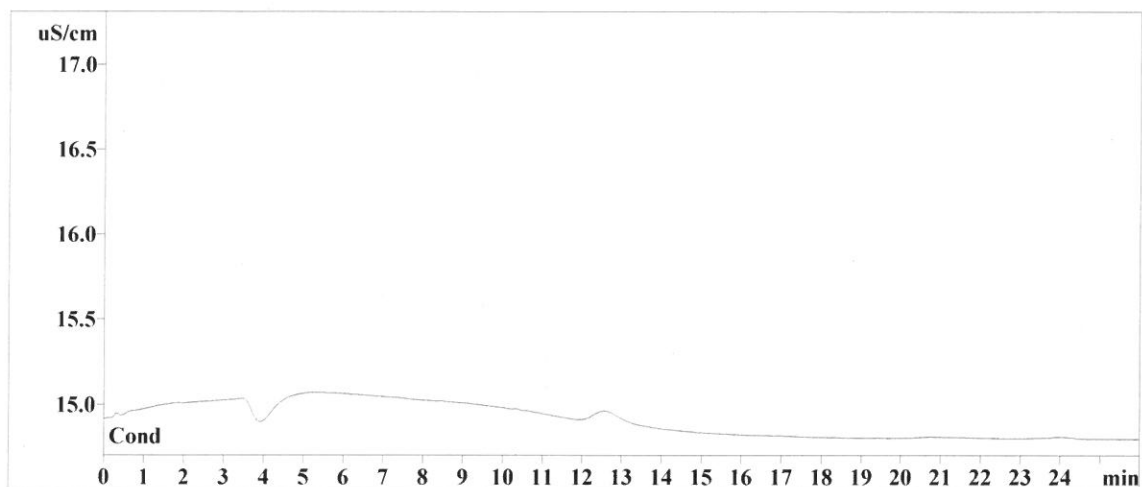
Ident: ICB
Analysis from: 1/16/2017 4:26:56 PM
File: _2017-01-16_

Last save: 1/17/2017 5:17:04 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56551

Last save: 1/16/2017 2:17:32 PM

SAMPLE:
: AP/AK
Vial number: 13
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 1/20/2017 2:19:07 PM
Printed by: wet

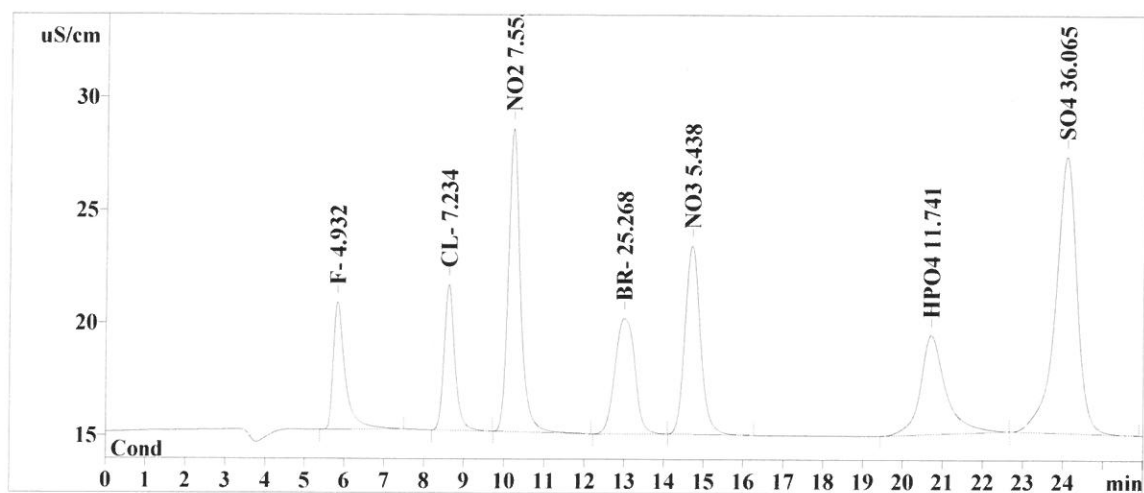
Ident: CCV
Analysis from: 1/19/2017 9:16:00 AM
File: _2017-01-19_

Last save: 1/19/2017 9:41:52 AM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56603

Last save: 1/19/2017 9:39:12 AM

SAMPLE:
: AP/AK
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	5.82	0.284	5.64	10.13	117.477	7.43	0.
2	8.61	0.268	6.45	11.58	118.522	7.50	0.
3	10.20	0.306	13.44	24.14	284.564	18.00	0.
4	13.00	0.554	5.13	9.20	178.979	11.32	0.
5	14.69	0.404	8.36	15.01	224.594	14.20	0.
6	20.71	0.586	4.40	7.89	194.802	12.32	0.
7	24.07	0.533	12.27	22.04	462.211	29.23	0.
7	26.02	0.419	55.69	100.00	1581.150	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/20/2017 2:19:52 PM
Printed by: wet

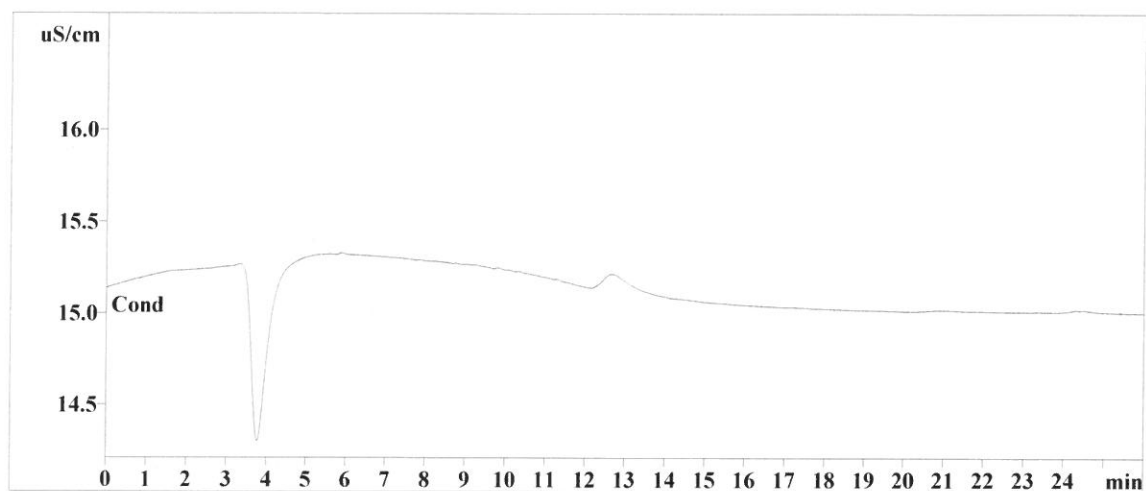
Ident: CCB
Analysis from: 1/19/2017 9:45:19 AM
File: _2017-01-19_

Last save: 1/20/2017 2:19:38 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56604

Last save: 1/17/2017 5:14:22 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

Report date: 1/20/2017 2:20:04 PM
Printed by: wet

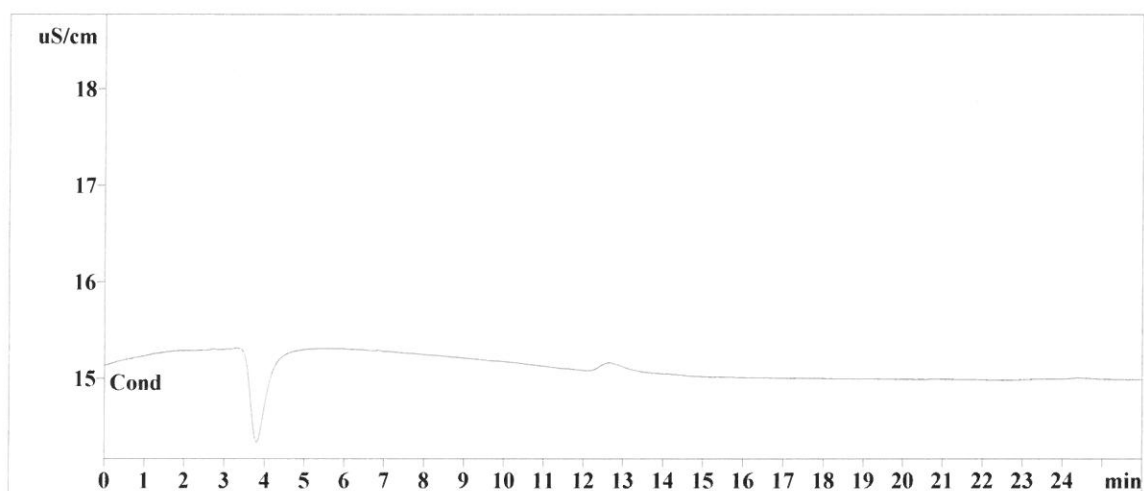
Ident: LB85434BLW
Analysis from: 1/19/2017 10:14:19 AM
File: _2017-01-19_

Last save: 1/20/2017 2:19:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56605

Last save: 1/17/2017 5:14:22 PM

SAMPLE:
: AP/AK
Vial number: 4
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 1/20/2017 2:20:14 PM
Printed by: wet

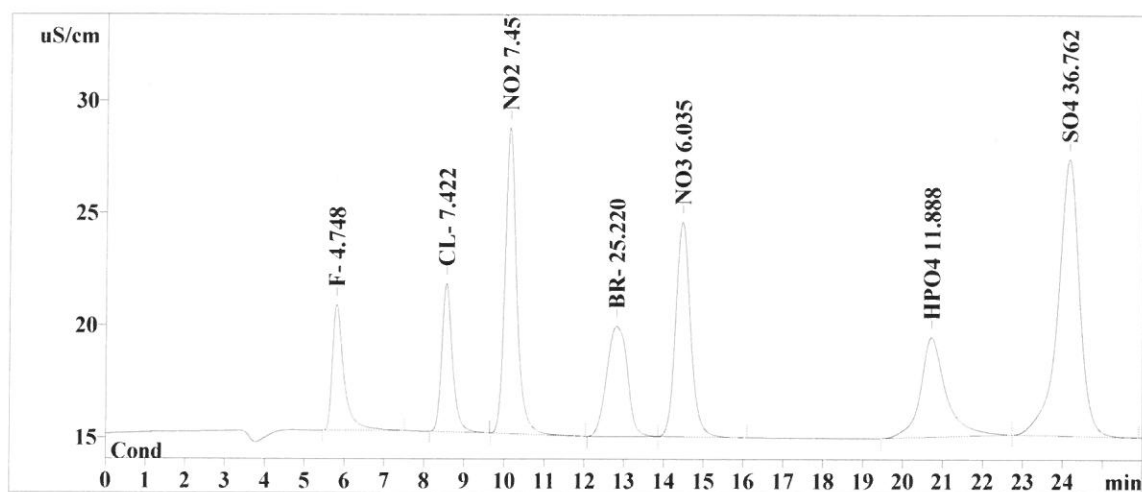
Ident: LB85434BSW
Analysis from: 1/19/2017 11:17:34 AM
File: _2017-01-19_

Last save: 1/20/2017 11:14:30 AM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56608

Last save: 1/19/2017 9:42:26 AM

SAMPLE:
: AP/AK
Vial number: 5
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.80	0.277	5.60	9.83	112.922	7.00	0.
2	8.54	0.270	6.58	11.55	121.698	7.54	0.
3	10.11	0.299	13.60	23.89	280.844	17.41	0.
4	12.80	0.583	4.89	8.59	178.642	11.07	0.
5	14.45	0.395	9.54	16.75	250.383	15.52	0.
6	20.71	0.588	4.43	7.78	197.219	12.22	0.
7	24.14	0.541	12.31	21.61	471.549	29.23	0.
7	26.00	0.422	56.95	100.00	1613.256	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/26/2017 3:25:16 PM
 Printed by: wet

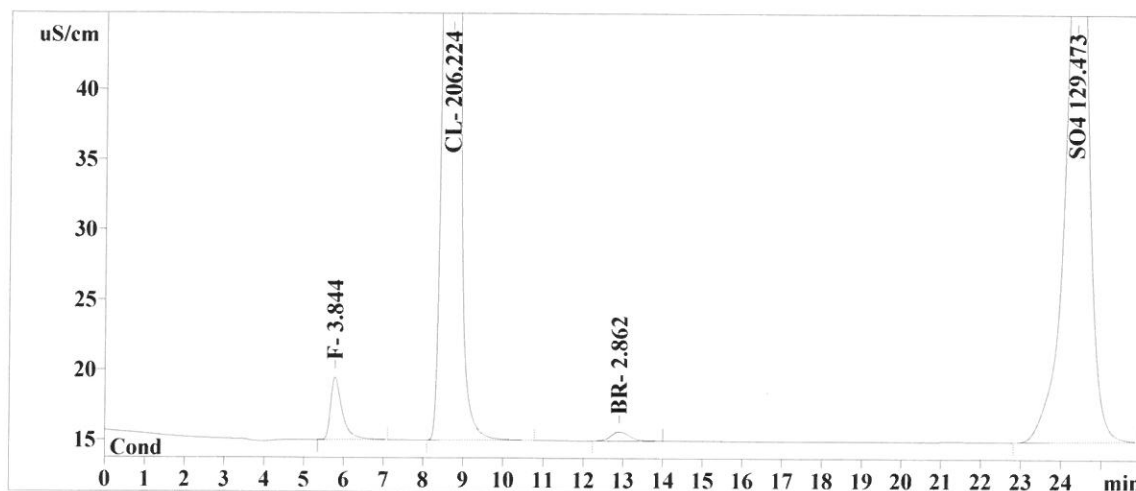
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 Analysis from: 1/19/2017 11:57:47 AM
 File: _2017-01-19_

Last save: 1/26/2017 3:25:16 PM

Method: ANIONS 01-16-17.mtw
 Run operator: wet
 Analysis number: 56609

Last save: 1/19/2017 9:42:26 AM

SAMPLE:
 : AP/AK
 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	5.78	0.291	4.44	1.92	90.482	1.71	0.
2	8.69	0.296	180.15	77.95	3480.641	65.59	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	12.89	0.492	0.65	0.28	20.900	0.39	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	24.35	0.532	45.87	19.85	1714.676	32.31	0.
7	26.00	0.230	231.10	99.99	5306.699	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 1/26/2017 3:32:09 PM
Printed by: wet

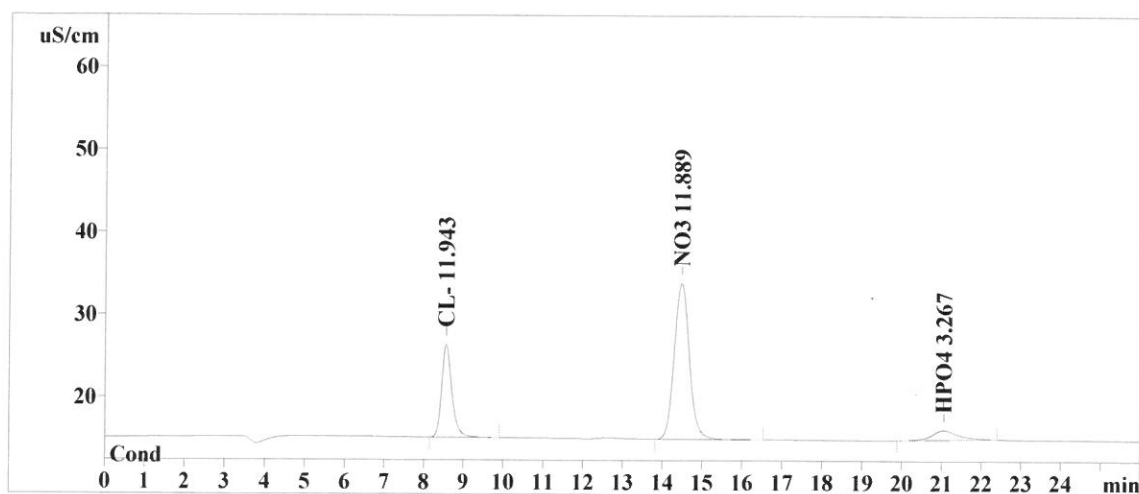
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Analysis from: 1/19/2017 12:26:46 PM
File: _2017-01-19_

Last save: 1/23/2017 4:56:08 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56610

Last save: 1/19/2017 9:42:26 AM

SAMPLE:
: AP/AK
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	8.56	0.256	11.21	35.88	198.088	26.20	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	14.47	0.406	18.86	60.33	503.151	66.54	0.
6	21.04	0.651	1.18	3.78	54.883	7.26	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	26.00	0.188	31.25	100.00	756.121	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/20/2017 2:21:06 PM
Printed by: wet

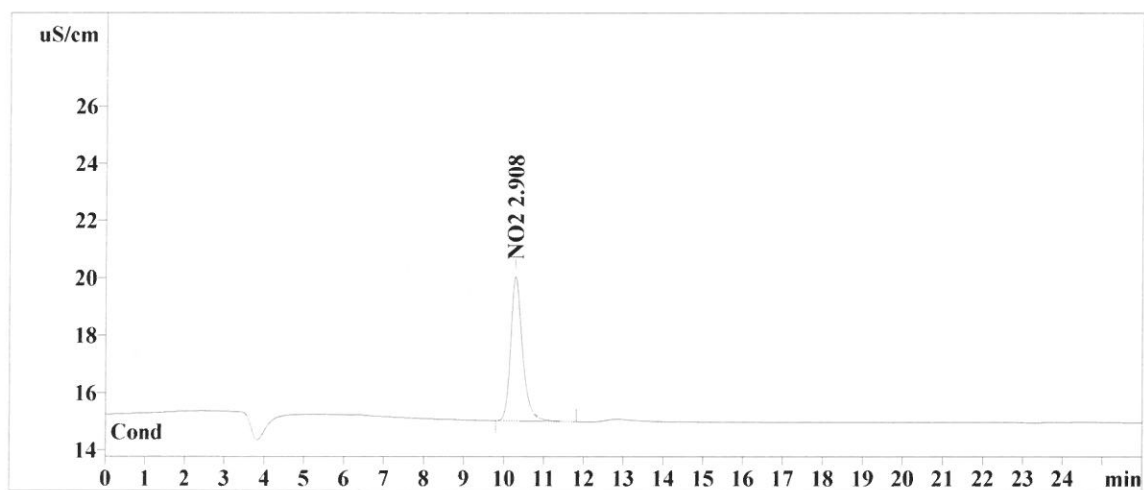
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Analysis from: 1/19/2017 12:55:55 PM
File: _2017-01-19_

Last save: 1/20/2017 10:57:20 AM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56611

Last save: 1/19/2017 9:42:26 AM

SAMPLE:
: AP/AK
Vial number: 8
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	0.
3	10.29	0.302	5.01	100.01	104.014	100.00	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	26.00	0.043	5.01	100.01	104.014	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/26/2017 3:33:48 PM
Printed by: wet

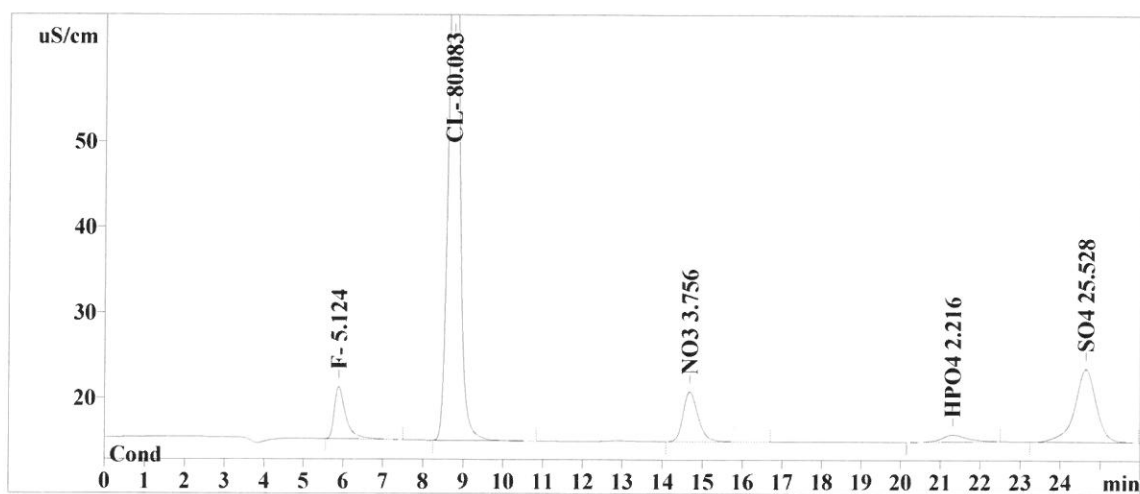
Ident: I1307-04
Analysis from: 1/19/2017 1:24:53 PM
File: _2017-01-19_

Last save: 1/26/2017 3:31:08 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56612

Last save: 1/19/2017 9:42:26 AM

SAMPLE:
: AP/AK
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	5.89	0.282	6.08	6.32	122.232	6.17	0.
2	8.74	0.269	74.93	77.88	1349.383	68.08	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	14.67	0.390	5.83	6.06	151.971	7.67	0.
6	21.31	0.653	0.83	0.86	37.529	1.89	0.
7	24.64	0.533	8.54	8.88	320.916	16.19	0.
7	26.00	0.304	96.20	100.00	1982.030	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/20/2017 2:22:42 PM
Printed by: wet

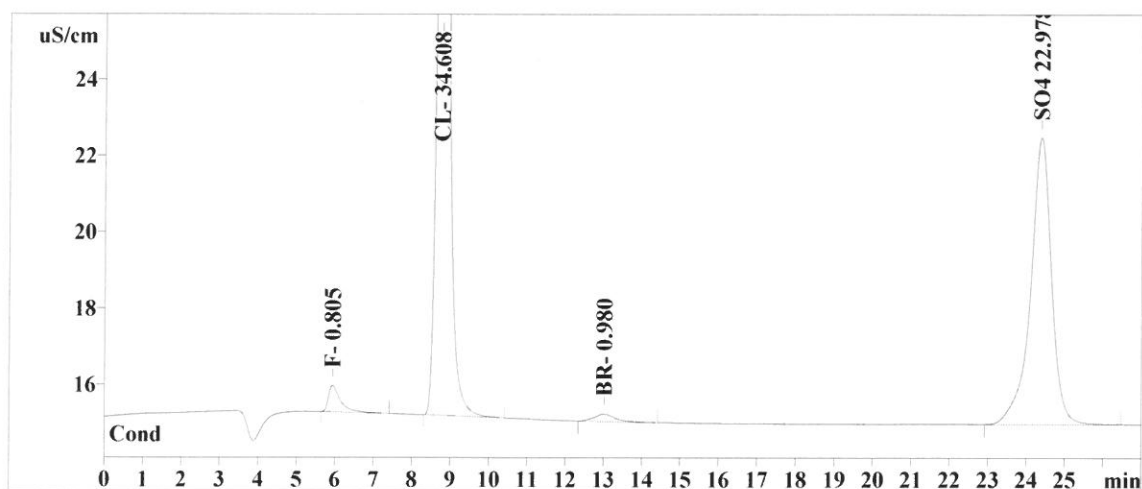
Ident: I1272-08 5X
Analysis from: 1/19/2017 1:53:50 PM
File: _2017-01-19_

Last save: 1/20/2017 11:00:30 AM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56613

Last save: 1/19/2017 2:08:42 PM

SAMPLE:
: AP/AK
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	5.94	0.293	0.69	1.68	15.070	1.69	0.
2	8.76	0.259	32.80	79.60	581.038	65.25	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.02	0.559	0.20	0.48	7.623	0.86	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	0.537	7.52	18.24	286.726	32.20	0.
7	27.00	0.235	41.21	100.00	890.457	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/25/2017 1:09:22 PM
Printed by: wet

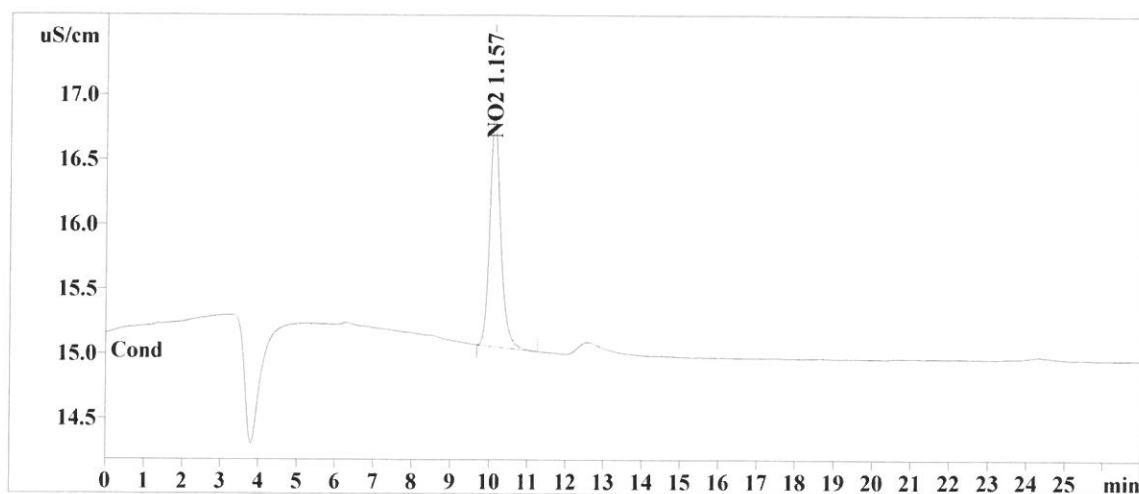
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File: _2017-01-19_

Last save: 1/25/2017 1:09:20 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56614

Last save: 1/19/2017 2:08:42 PM

SAMPLE:
: AP/AK
Vial number: 13
Volume: 20.0 μ L
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	0.00	0.000	0.00	0.00	0.000	0.00	0.
3	10.11	0.295	1.78	99.99	35.952	100.00	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	27.00	0.042	1.78	99.99	35.952	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/25/2017 1:09:36 PM
Printed by: wet

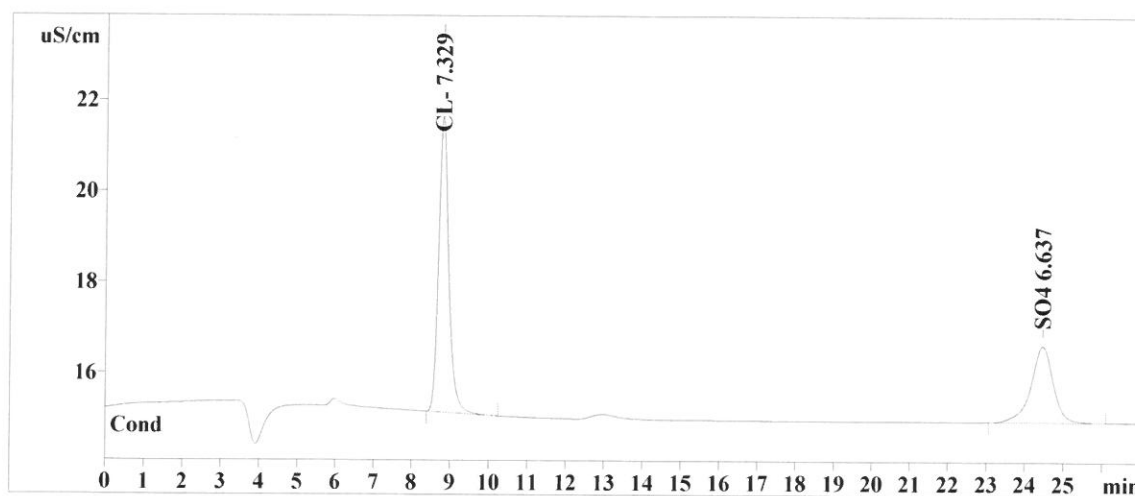
Ident: I1272-08 20X
Analysis from: 1/19/2017 2:53:46 PM
File: _2017-01-19_

Last save: 1/20/2017 11:05:20 AM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56615

Last save: 1/19/2017 2:08:42 PM

SAMPLE:
: AP/AK
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	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.78	0.269	6.52	79.46	120.125	63.98	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	24.45	0.570	1.68	20.53	67.617	36.02	0.
7	27.00	0.120	8.20	99.99	187.742	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/26/2017 3:34:44 PM
Printed by: wet

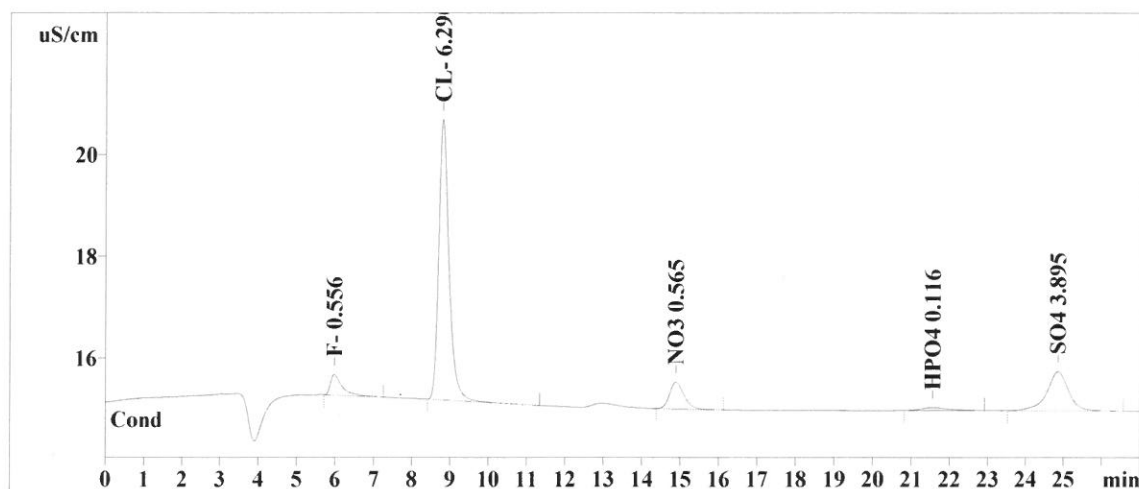
Ident: I1307-04 10X
Analysis from: 1/19/2017 3:23:44 PM
File: _2017-01-19_

Last save: 1/20/2017 2:16:14 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56616

Last save: 1/19/2017 2:08:42 PM

SAMPLE:
: AP/AK
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	5.98	0.295	0.41	5.58	8.880	5.57	0.
2	8.80	0.270	5.51	75.76	102.575	64.37	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	14.89	0.406	0.53	7.25	14.195	8.91	0.
6	21.56	0.722	0.06	0.78	2.865	1.80	0.
7	24.86	0.568	0.77	10.58	30.846	19.36	0.
7	27.00	0.323	7.27	99.95	159.362	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/25/2017 1:09:46 PM
Printed by: wet

Ident: CCV
Analysis from: 1/19/2017 3:53:42 PM
File: _2017-01-19_

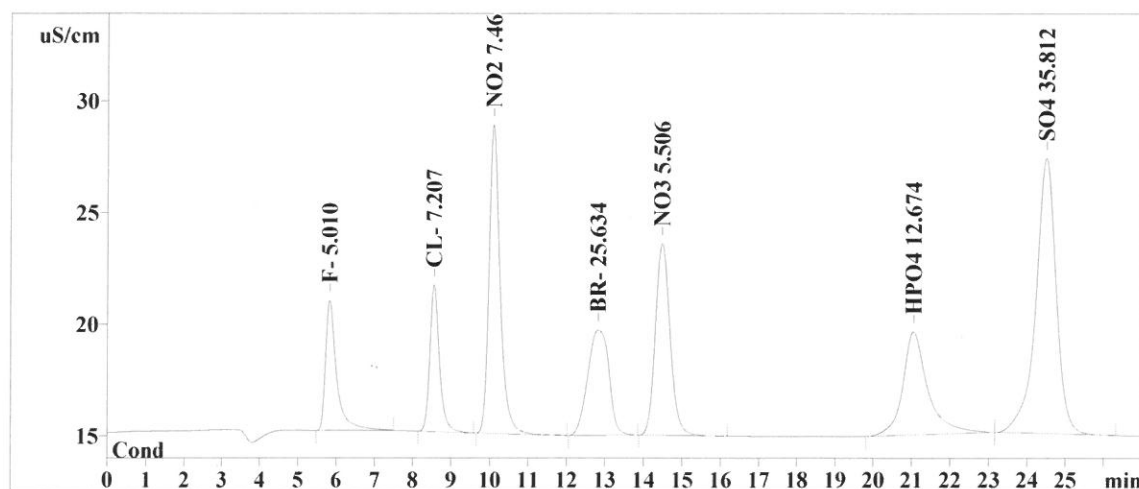
Last save: 1/19/2017 4:20:32 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56617

Last save: 1/19/2017 2:08:42 PM

SAMPLE:

: AP/AK
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	5.82	0.280	5.82	10.30	119.415	7.48	0.
2	8.54	0.262	6.57	11.64	118.071	7.39	0.
3	10.09	0.296	13.82	24.47	281.172	17.61	0.
4	12.82	0.614	4.72	8.36	181.564	11.37	0.
5	14.47	0.402	8.58	15.20	227.560	14.25	0.
6	21.04	0.601	4.62	8.19	210.193	13.16	0.
7	24.48	0.530	12.32	21.83	458.821	28.73	0.
7	27.00	0.427	56.46	100.00	1596.795	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/25/2017 1:09:58 PM
Printed by: wet

Ident: CCB
Analysis from: 1/19/2017 4:26:38 PM
File: _2017-01-19_

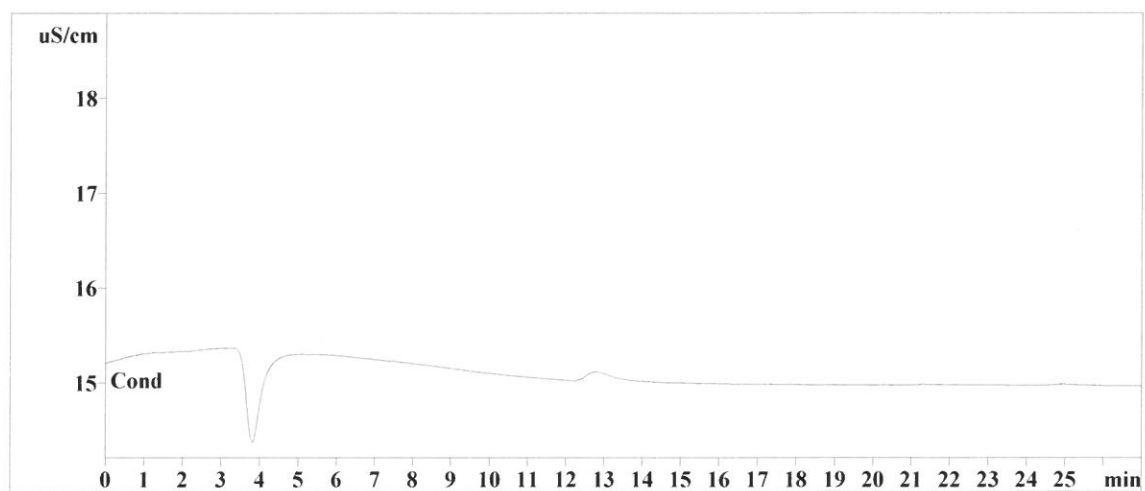
Last save: 1/20/2017 2:19:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56618

Last save: 1/17/2017 5:14:22 PM

SAMPLE:

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



Quantitation method: Custom

No peaks

This report has been created by IC Net
METROHM LTD

Report date: 1/26/2017 3:36:43 PM
Printed by: wet

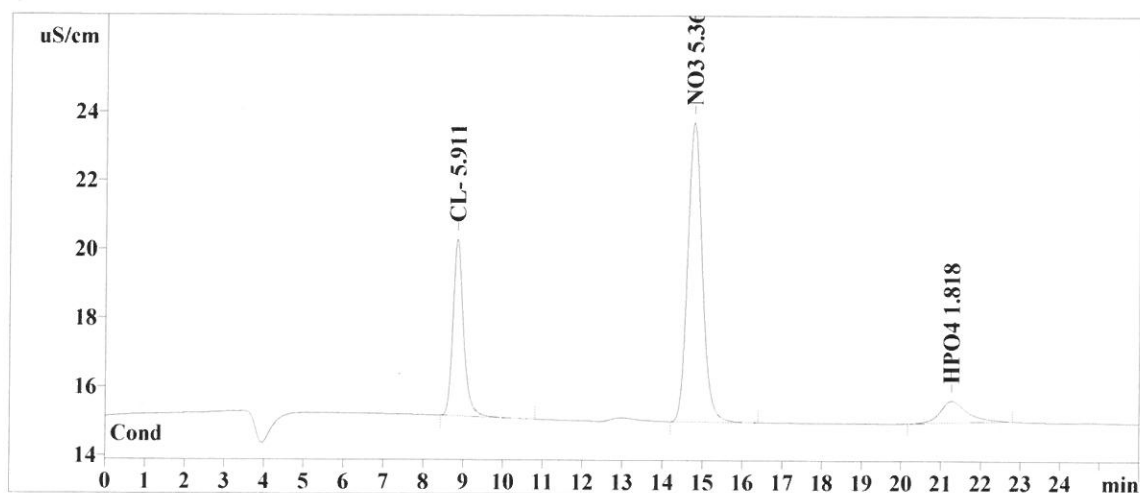
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File: _2017-01-19_

Last save: 1/20/2017 11:09:30 AM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56626

Last save: 1/19/2017 5:53:36 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	0.00	0.000	0.00	0.00	0.000	0.00	0.
2	8.83	0.273	5.13	35.45	96.173	27.60	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	14.76	0.383	8.71	60.15	221.291	63.51	0.
6	21.26	0.675	0.64	4.39	30.963	8.89	0.
7	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	26.00	0.190	14.48	99.99	348.426	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/26/2017 3:37:06 PM
Printed by: wet

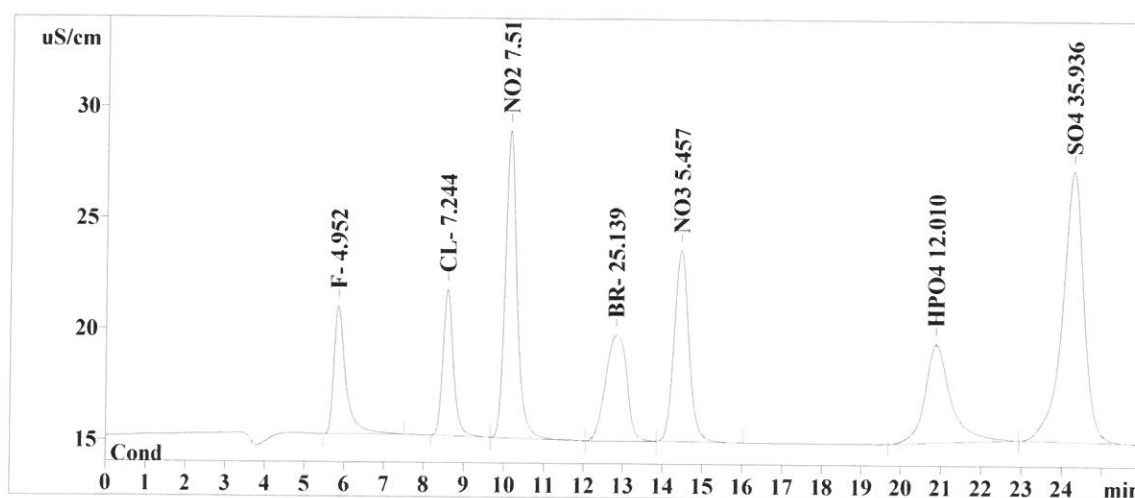
Ident: CCV
Analysis from: 1/19/2017 9:19:08 PM
File: _2017-01-19_

Last save: 1/19/2017 9:44:58 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56628

Last save: 1/19/2017 5:53:36 PM

SAMPLE:
: AP/AK
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	5.84	0.282	5.73	10.23	117.966	7.45	0.
2	8.57	0.265	6.56	11.71	118.694	7.50	0.
3	10.12	0.297	13.82	24.65	282.895	17.87	0.
4	12.81	0.600	4.74	8.46	178.074	11.25	0.
5	14.44	0.398	8.60	15.34	225.439	14.24	0.
6	20.86	0.598	4.43	7.90	199.229	12.59	0.
7	24.26	0.540	12.17	21.72	460.482	29.09	0.
7	26.00	0.426	56.04	100.00	1582.778	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/26/2017 3:37:20 PM
Printed by: wet

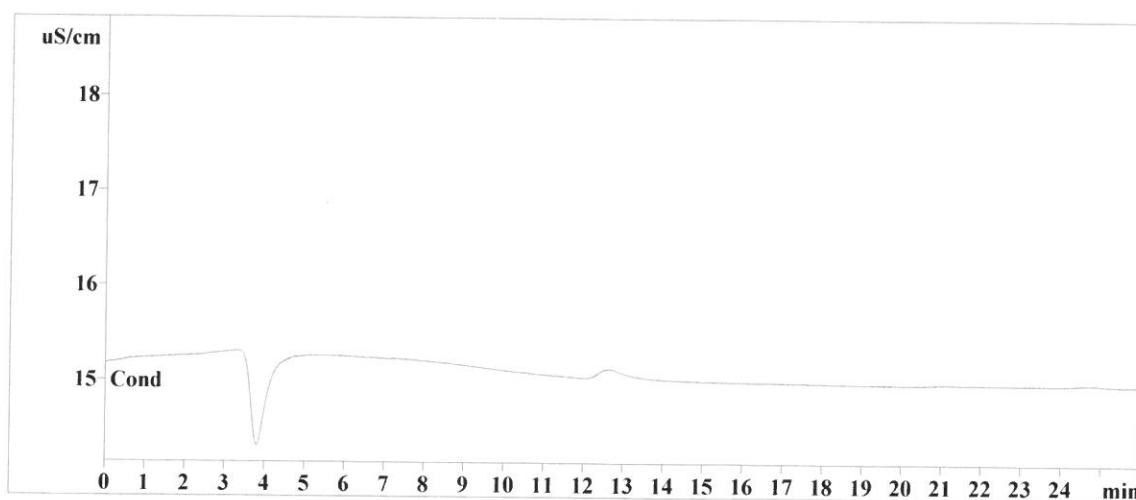
Ident: CCB
Analysis from: 1/19/2017 9:48:06 PM
File: _2017-01-19_

Last save: 1/20/2017 2:19:40 PM

Method: ANIONS 01-16-17.mtw
Run operator: wet
Analysis number: 56629

Last save: 1/17/2017 5:14:22 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
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