

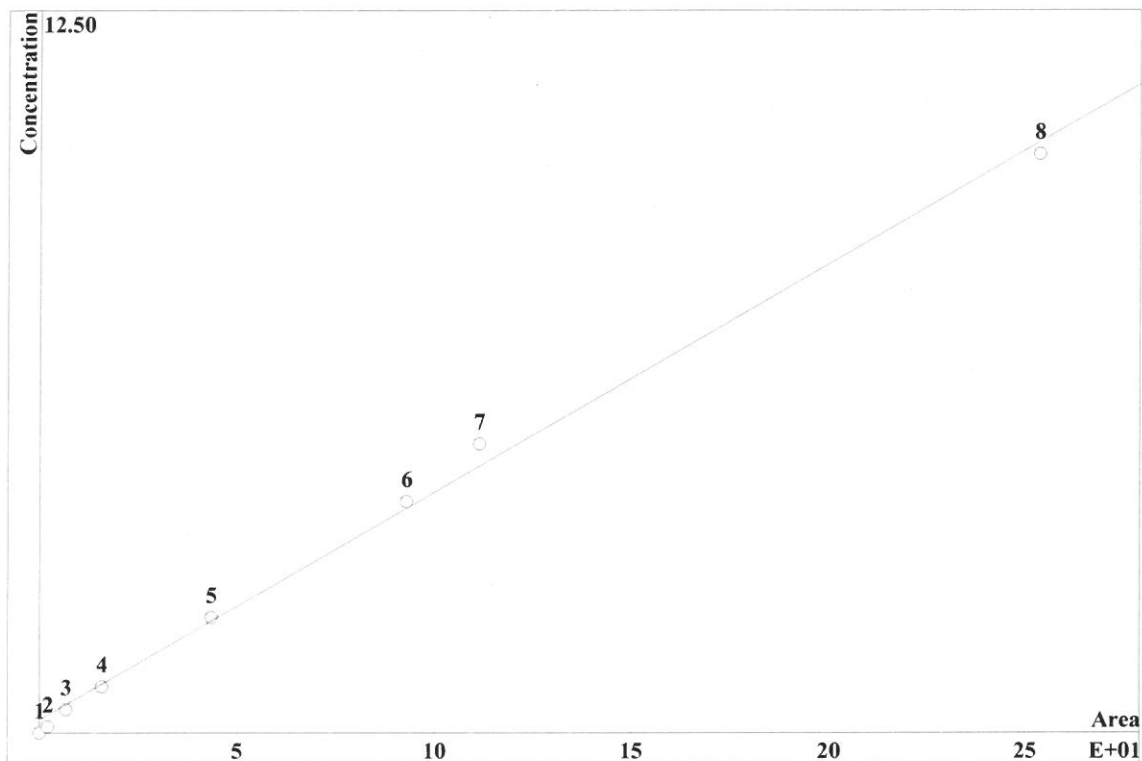
M3000
 62
 1/2/12

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	_2016-12-19_	12/19/16 9:23
STD2	0.3080	0.3830	0.3860	0.9820	0.3310	0.2850	2.4720	_2016-12-19_	12/19/16 9:52
STD3	0.4910	0.7700	0.7620	2.3260	0.6160	1.1570	4.2010	_2016-12-19_	12/19/16 10:21
STD4	0.8470	1.2660	1.2740	4.1810	0.9710	2.0570	6.4890	_2016-12-19_	12/19/16 10:50
STD5	1.9400	2.8970	2.9010	9.7340	2.1420	4.8210	14.0750	_2016-12-19_	12/19/16 11:19
STD6	3.8850	5.7000	5.8050	19.4350	4.2510	9.9100	27.9370	_2016-12-19_	12/19/16 11:48
STD7	4.6150	7.1670	7.3290	24.2570	5.3470	11.2610	35.3110	_2016-12-19_	12/19/16 12:16
STD8	10.2150	15.2680	15.4550	50.5850	11.5410	24.4880	76.7650	_2016-12-19_	12/19/16 12:45
ICV	4.6490	7.2820	7.3520	24.5240	6.0510	11.5010	36.2640	_2016-12-19_	12/19/16 14:14
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2016-12-19_	12/19/16 14:43
CCV	5.0560	7.2130	7.4360	24.7600	5.4480	11.8160	36.1290	_2017-01-04_	1/4/17 9:35
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-04_	1/4/17 10:22
LB85206BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-04_	1/4/17 10:50
LB85206BSW	4.8520	7.1410	7.2660	24.4160	6.0740	12.6810	35.4470	_2017-01-04_	1/4/17 11:49
I1002-08	0.0870	0.0610	0.1260	0.4330	0.0770	-0.0450	0.6410	_2017-01-04_	1/4/17 12:18
I1002-09	0.0860	0.0520	0.1230	0.4220	0.0750	-0.0560	0.6790	_2017-01-04_	1/4/17 12:47
I1002-10	0.1030	0.0500	0.1240	0.4090	0.0760	-0.0550	0.6450	_2017-01-04_	1/4/17 13:16
I1002-11	0.0830	0.0600	0.1250	0.4030	0.0800	-0.0550	0.6620	_2017-01-04_	1/4/17 13:45
I1002-12	0.0930	0.0530	0.1250	0.4070	0.0770	-0.0530	0.6620	_2017-01-04_	1/4/17 14:14
I1002-13	0.0890	0.0520	0.1270	0.3950	0.0740	-0.0210	0.6550	_2017-01-04_	1/4/17 14:43
I1002-14	0.0840	0.0560	0.1260	0.4220	0.0790	-0.0310	0.6670	_2017-01-04_	1/4/17 15:12
I1002-14	0.1070	0.0620	0.1190	0.4360	0.0780	-0.0840	0.6340	_2017-01-04_	1/4/17 15:41
CCV	5.1550	7.2630	7.4700	24.7900	5.4600	12.5390	36.3570	_2017-01-04_	1/4/17 17:08
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	_2017-01-04_	1/4/17 17:36

CALIBRATION OF COMPONENT F-

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 0.787523 \cdot A + 4.54623$
 RSD: 7.224 %
 Correlation coefficient: 0.998228



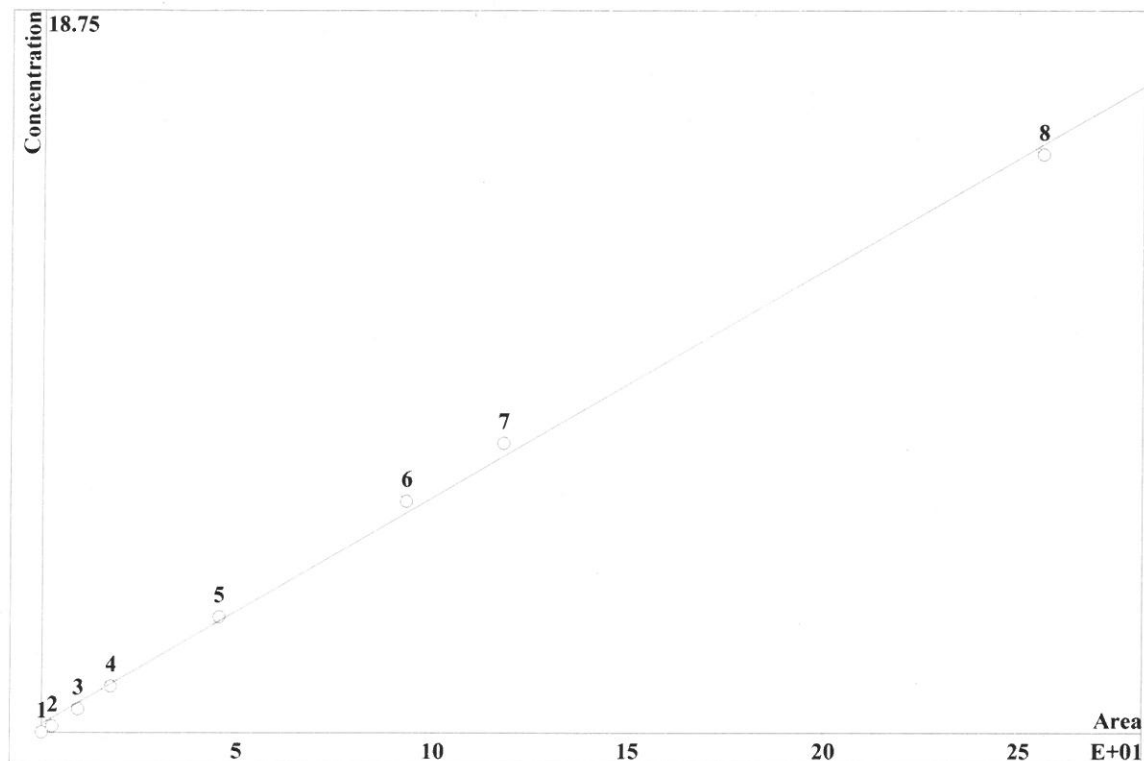
K3 = 0 K2 = 0 K1 = 0.787523 K0 = 4.54623

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	0.0649	2.042	0.1	20	5.749		Yes
3	0.3055	6.696	0.4	20	5.749		Yes
4	0.6642	15.74	0.8	20	5.749		Yes
5	1.926	43.49	2	20	5.749		Yes
6	4.217	92.89	4	20	5.749		Yes
7	5.206	111.4	5	20	5.749		Yes
8	11.54	253.6	10	20	5.749		Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 1.17567 \cdot A + 4.48845$
 RSD: 5.701 %
 Correlation coefficient: 0.998897



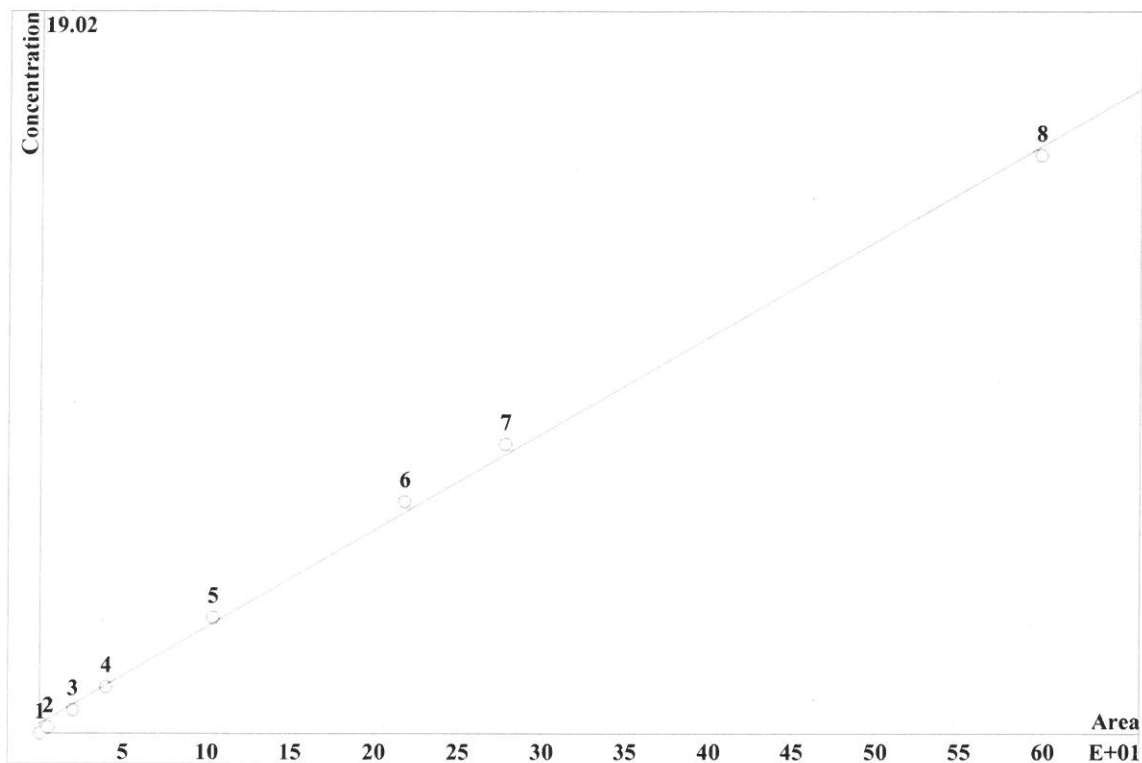
K3 = 0 K2 = 0 K1 = 1.17567 K0 = 4.48845

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	0.1287	2.693	0.15	20	8.479		Yes
3	0.4753	9.278	0.6	20	8.479		Yes
4	0.9236	17.71	1.2	20	8.479		Yes
5	2.405	45.46	3	20	8.479		Yes
6	5.013	93.15	6	20	8.479		Yes
7	6.356	118.1	7.5	20	8.479		Yes
8	13.97	255.9	15	20	8.479		Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 0.507925 \cdot A + 5.31582$
 RSD: 5.119 %
 Correlation coefficient: 0.999111



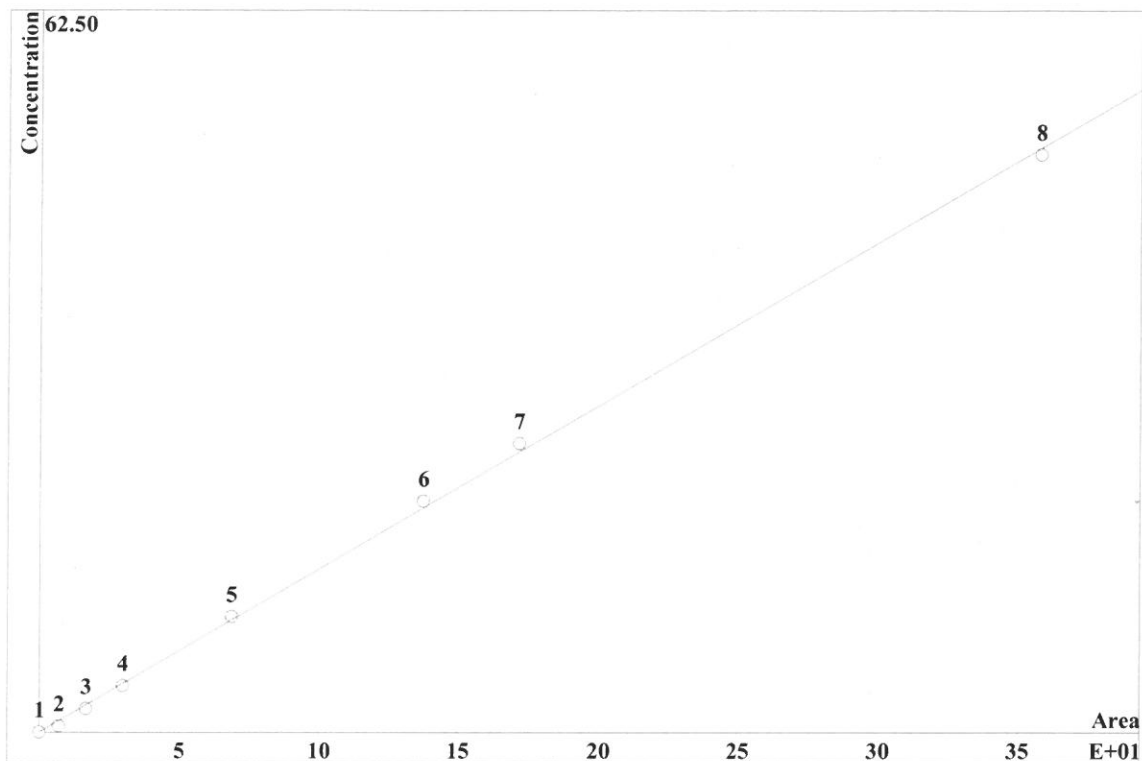
K3 = 0 K2 = 0 K1 = 0.507925 K0 = 5.31582

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	0.2222	4.727	0.152	20	10.05		Yes
3	0.9375	19.53	0.608	20	10.05		Yes
4	1.888	39.69	1.216	20	10.05		Yes
5	5.008	103.8	3.04	20	10.05		Yes
6	10.59	218.1	6.08	20	10.05		Yes
7	13.46	278.1	7.6	20	10.05		Yes
8	28.27	598.1	15.215	20	10.05		Yes

CALIBRATION OF COMPONENT BR-

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 2.82735 \cdot A - 0.058448$
 RSD: 3.611 %
 Correlation coefficient: 0.999557



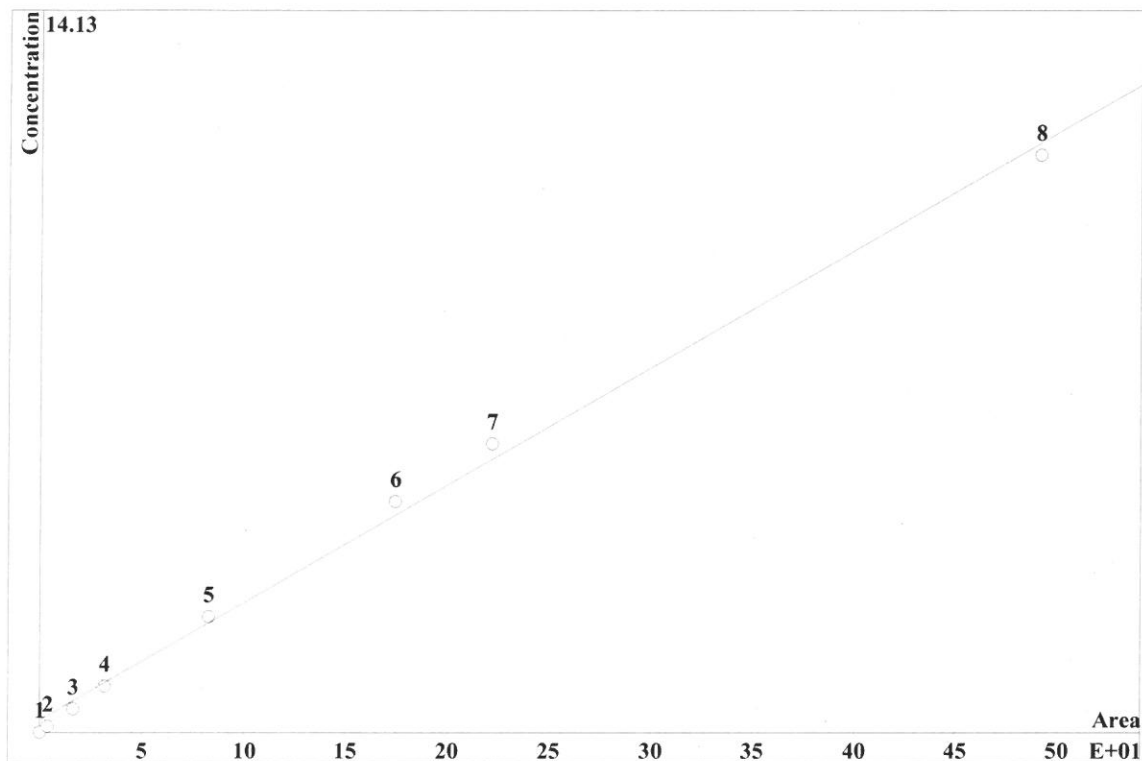
K3 = 0 K2 = 0 K1 = 2.82735 K0 = -0.058448

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	0.1804	6.964	0.5	20	12.84			Yes
3	0.4772	16.47	2	20	12.84			Yes
4	0.8432	29.6	4	20	12.84			Yes
5	1.853	68.87	10	20	12.84			Yes
6	3.323	137.5	20	20	12.84			Yes
7	3.853	171.6	25	20	12.84			Yes
8	6.801	357.8	50	20	12.84			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 0.459551 \cdot A + 4.85182$
 RSD: 6.967 %
 Correlation coefficient: 0.998351

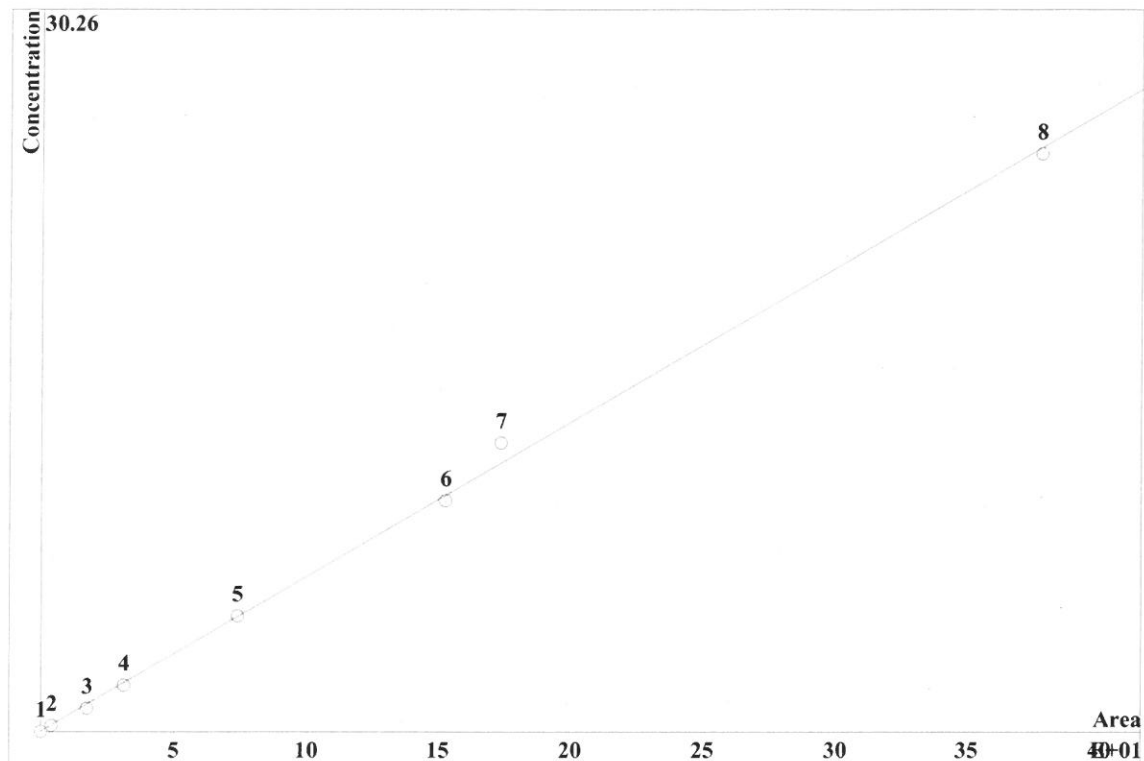


K3 = 0 K2 = 0 K1 = 0.459551 K0 = 4.85182
 Base: Area
 Ref.channel: Cond
 ISTD:
 Formula: Linear
 Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1	0	0	0	0	0		No
2	0.1506	3.847	0.113	20	14.38		Yes
3	0.6345	16.24	0.452	20	14.38		Yes
4	1.236	31.7	0.904	20	14.38		Yes
5	3.27	82.68	2.26	20	14.38		Yes
6	6.934	174.5	4.52	20	14.38		Yes
7	8.792	222.1	5.65	20	14.38		Yes
8	19.15	491.7	11.3	20	14.38		Yes

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 1.29463 \cdot A + 0.433908$
 RSD: 5.455 %
 Correlation coefficient: 0.998990



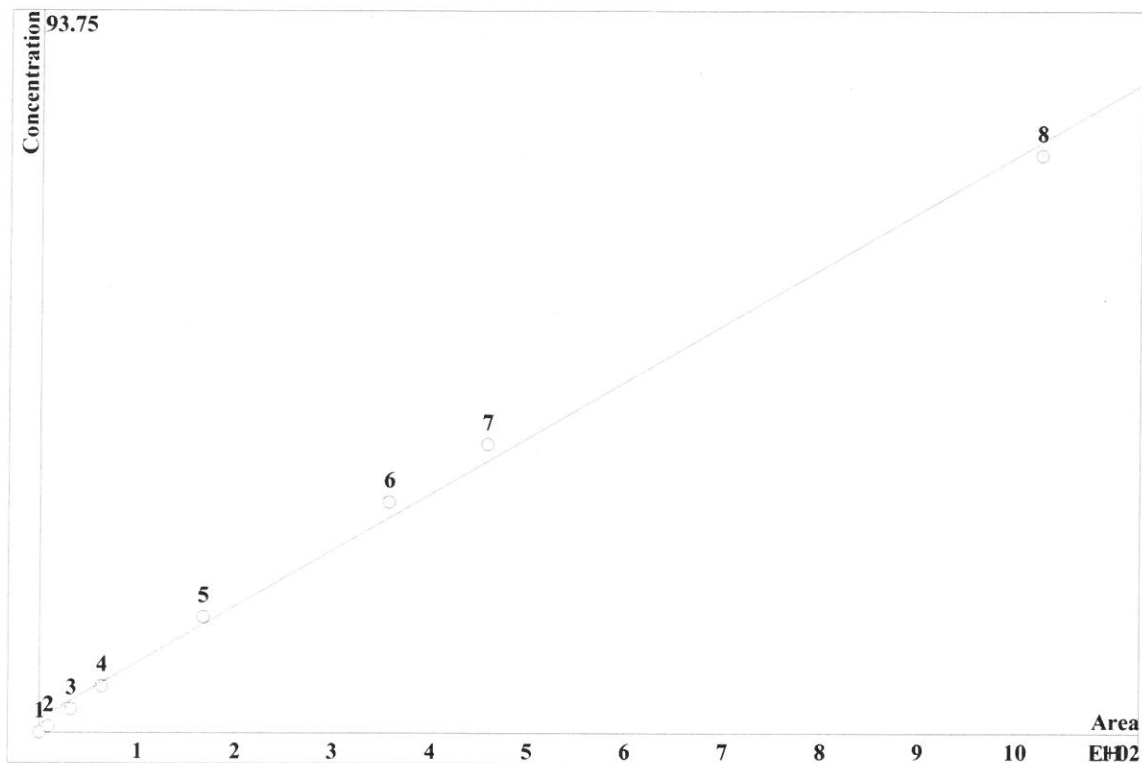
K3 = 0 K2 = 0 K1 = 1.29463 K0 = 0.433908

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	0.06533	4.069	0.242	20	20.62	Yes	
3	0.3076	17.53	0.968	20	20.62	Yes	
4	0.5813	31.44	1.936	20	20.62	Yes	
5	1.439	74.14	4.841	20	20.62	Yes	
6	3.183	152.8	9.682	20	20.62	Yes	
7	3.734	173.6	12.1	20	20.62	Yes	
8	8.676	378	24.21	20	20.62	Yes	

CALIBRATION OF COMPONENT SO4

Method: ANIONS 12-19-16.mtw
 Equation: $Q = 1.46163 \cdot A + 36.8806$
 RSD: 7.867 %
 Correlation coefficient: 0.997898



K3 = 0 K2 = 0 K1 = 1.46163 K0 = 36.8806

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	0.2002	8.596	0.75	20	23.34			Yes
3	0.8026	32.25	3	20	23.34			Yes
4	1.621	63.56	6	20	23.34			Yes
5	4.37	167.4	15	20	23.34			Yes
6	9.597	357	30	20	23.34			Yes
7	12.36	457.9	37.5	20	23.34			Yes
8	28.23	1025	75	20	23.34			Yes

Report date: 12/20/2016 12:30:23 PM
Printed by: wet

Ident: STD1
Analysis from: 12/19/2016 9:23:13 AM
File: _2016-12-19_

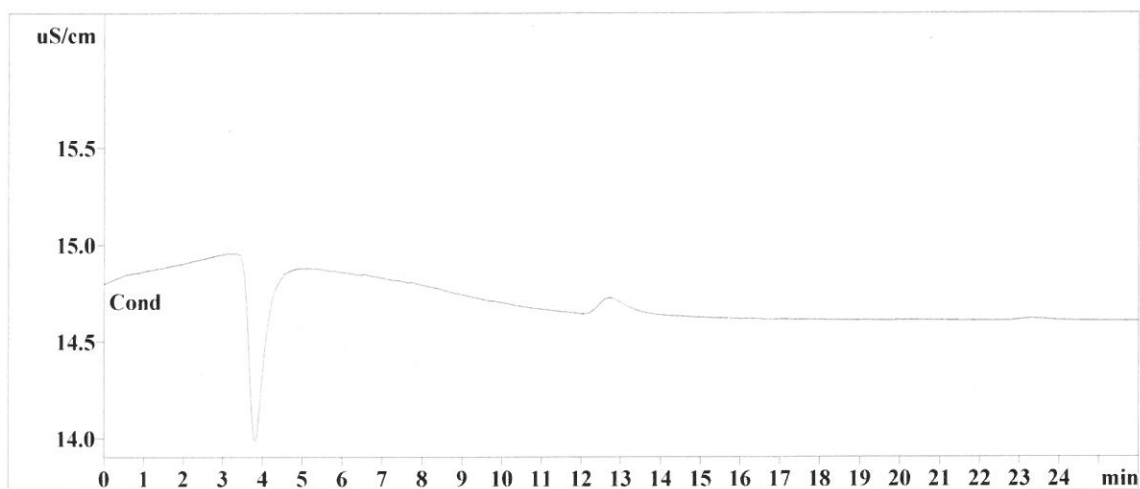
Last save: 12/19/2016 2:11:28 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56225

Last save: 12/19/2016 8:39:58 AM

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: 12/20/2016 12:30:37 PM
Printed by: wet

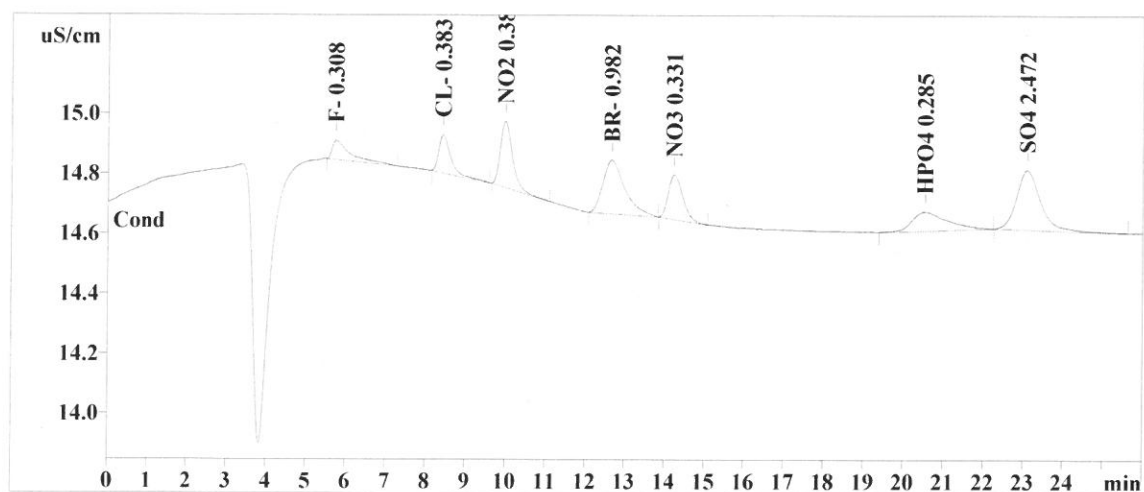
Ident: STD2
Analysis from: 12/19/2016 9:52:11 AM
File: _2016-12-19_

Last save: 12/19/2016 2:11:28 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56226

Last save: 12/19/2016 8:39:58 AM

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	5.75	0.380	0.06	6.36	2.042	6.20	0.
2	8.43	0.293	0.13	12.65	2.693	8.18	0.
3	9.98	0.317	0.22	21.90	4.727	14.35	0.
4	12.65	0.570	0.18	17.74	6.964	21.14	0.
5	14.23	0.398	0.15	14.77	3.847	11.68	0.
6	20.53	0.942	0.06	6.36	4.069	12.35	0.
7	23.08	0.614	0.20	19.70	8.596	26.10	0.
7	26.00	0.502	1.01	99.48	32.938	100.00	0.

This report has been created by IC Net
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Report date: 12/20/2016 12:30:49 PM
Printed by: wet

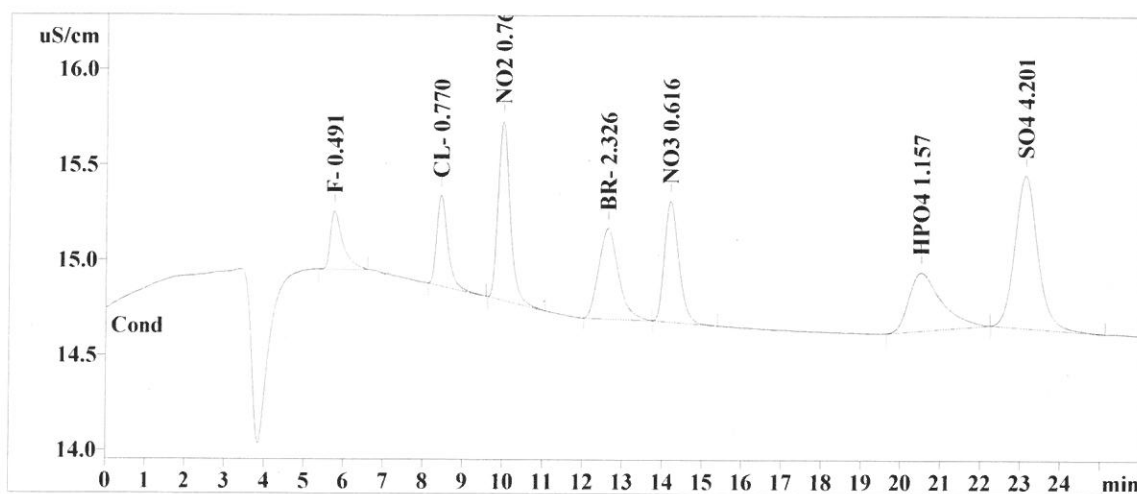
Ident: STD3
Analysis from: 12/19/2016 10:21:07 AM
File: _2016-12-19_

Last save: 12/19/2016 2:11:28 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56227

Last save: 12/19/2016 8:39:58 AM

SAMPLE:
: AP/AK
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	5.75	0.309	0.31	7.74	6.696	5.67	0.
2	8.44	0.287	0.47	12.05	9.278	7.86	0.
3	9.99	0.311	0.94	23.77	19.530	16.55	0.
4	12.62	0.525	0.48	12.10	16.474	13.96	0.
5	14.18	0.392	0.63	16.08	16.236	13.76	0.
6	20.49	0.836	0.31	7.78	17.533	14.86	0.
7	23.11	0.596	0.80	20.35	32.252	27.33	0.
7	26.00	0.465	3.94	99.87	117.999	100.00	0.

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Report date: 12/20/2016 12:31:01 PM
Printed by: wet

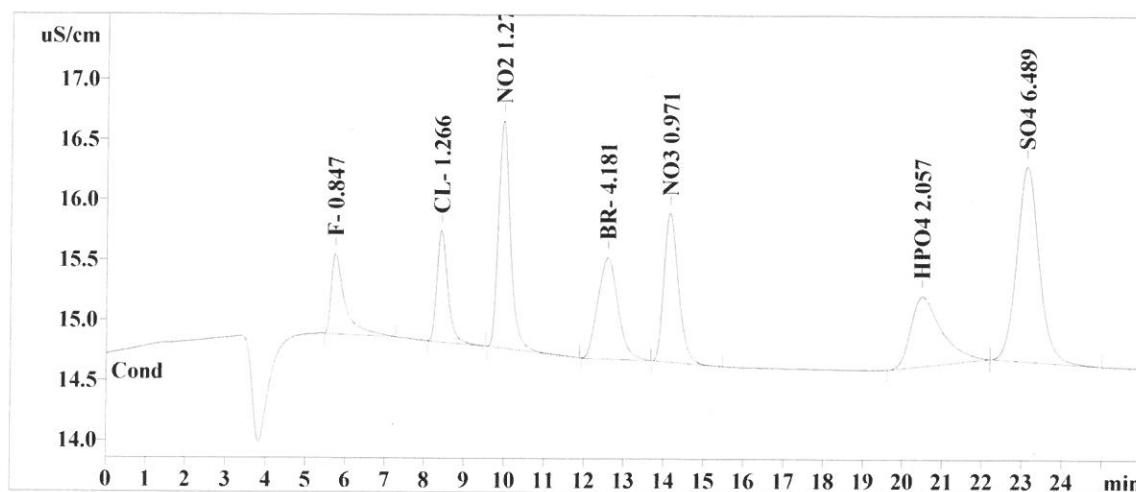
Ident: STD4
Analysis from: 12/19/2016 10:50:06 AM
File: _2016-12-19_

Last save: 12/19/2016 2:11:28 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56228

Last save: 12/19/2016 8:39:58 AM

SAMPLE:
: AP/AK
Vial number: 5
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	5.74	0.305	0.66	8.56	15.739	6.86	0.
2	8.41	0.283	0.92	11.90	17.714	7.72	0.
3	9.96	0.312	1.89	24.34	39.691	17.30	0.
4	12.58	0.546	0.84	10.86	29.598	12.90	0.
5	14.14	0.393	1.24	15.93	31.705	13.82	0.
6	20.48	0.787	0.58	7.48	31.439	13.70	0.
7	23.12	0.586	1.62	20.89	63.556	27.70	0.
7	26.00	0.459	7.75	99.96	229.443	100.00	0.

This report has been created by IC Net
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Report date: 12/20/2016 12:31:12 PM
Printed by: wet

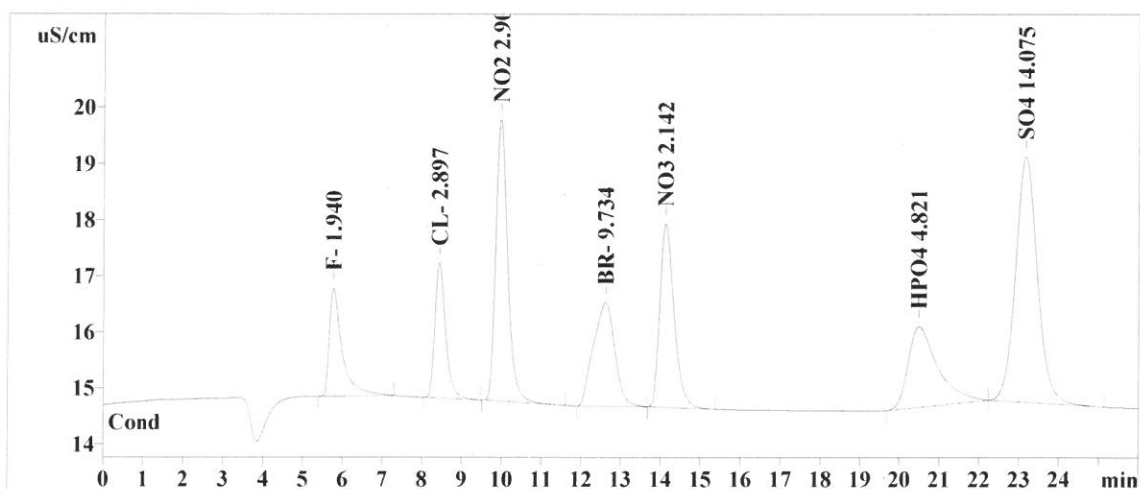
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Analysis from: 12/19/2016 11:19:04 AM
File: _2016-12-19_

Last save: 12/19/2016 2:11:28 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56229

Last save: 12/19/2016 8:39:58 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	5.77	0.300	1.92	9.49	43.490	7.42	0.
2	8.43	0.281	2.40	11.86	45.465	7.76	0.
3	9.97	0.308	5.01	24.70	103.751	17.71	0.
4	12.61	0.605	1.85	9.14	68.874	11.76	0.
5	14.12	0.385	3.27	16.13	82.678	14.11	0.
6	20.49	0.738	1.44	7.10	74.145	12.66	0.
7	23.16	0.574	4.37	21.55	167.362	28.57	0.
7	26.00	0.456	20.27	99.98	585.764	100.00	0.

This report has been created by IC Net
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Report date: 12/20/2016 12:31:23 PM
Printed by: wet

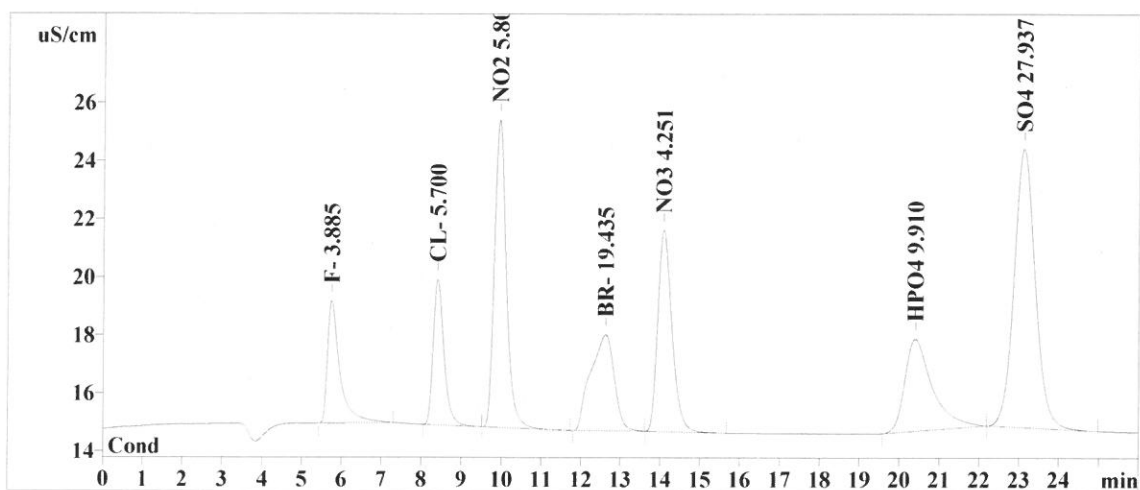
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Analysis from: 12/19/2016 11:48:02 AM
File: _2016-12-19_

Last save: 12/19/2016 2:11:30 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56230

Last save: 12/19/2016 8:39:58 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	5.75	0.296	4.22	9.84	92.887	7.58	0.
2	8.41	0.277	5.01	11.69	93.149	7.60	0.
3	9.94	0.307	10.59	24.71	218.121	17.79	0.
4	12.62	0.721	3.32	7.75	137.500	11.22	0.
5	14.08	0.383	6.93	16.18	174.469	14.23	0.
6	20.39	0.678	3.18	7.42	152.763	12.46	0.
7	23.11	0.560	9.60	22.39	357.038	29.12	0.
7	26.00	0.460	42.86	100.00	1225.926	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/20/2016 12:31:35 PM
Printed by: wet

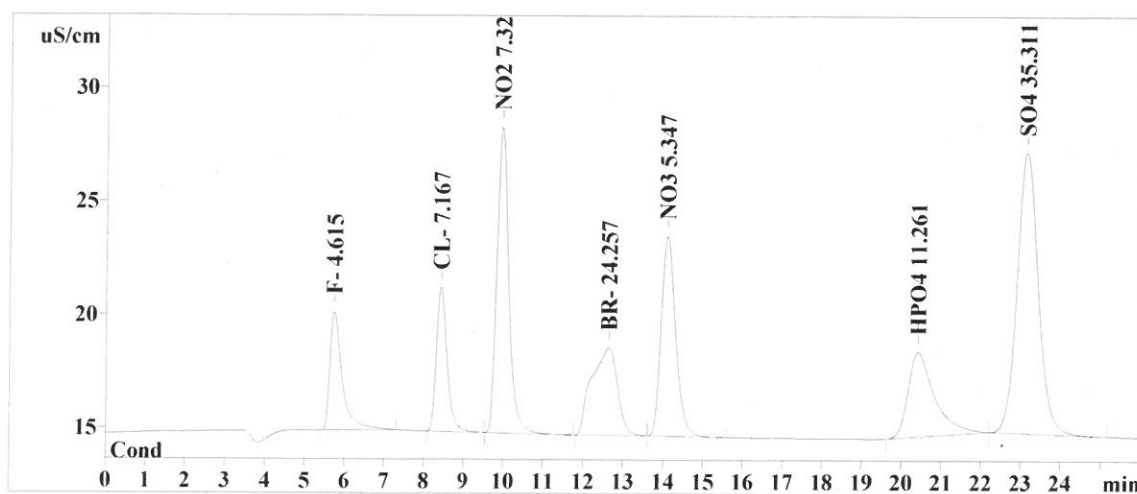
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Analysis from: 12/19/2016 12:16:58 PM
File: _2016-12-19_

Last save: 12/19/2016 2:11:30 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56231

Last save: 12/19/2016 8:39:58 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	5.75	0.292	5.21	9.68	111.431	7.27	0.
2	8.42	0.275	6.36	11.82	118.096	7.70	0.
3	9.96	0.307	13.46	25.04	278.117	18.14	0.
4	12.64	0.801	3.85	7.16	171.612	11.19	0.
5	14.09	0.385	8.79	16.35	222.144	14.49	0.
6	20.41	0.659	3.73	6.94	173.635	11.33	0.
7	23.14	0.557	12.36	22.99	457.940	29.87	0.
7	26.00	0.468	53.76	100.00	1532.975	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/20/2016 12:31:46 PM
Printed by: wet

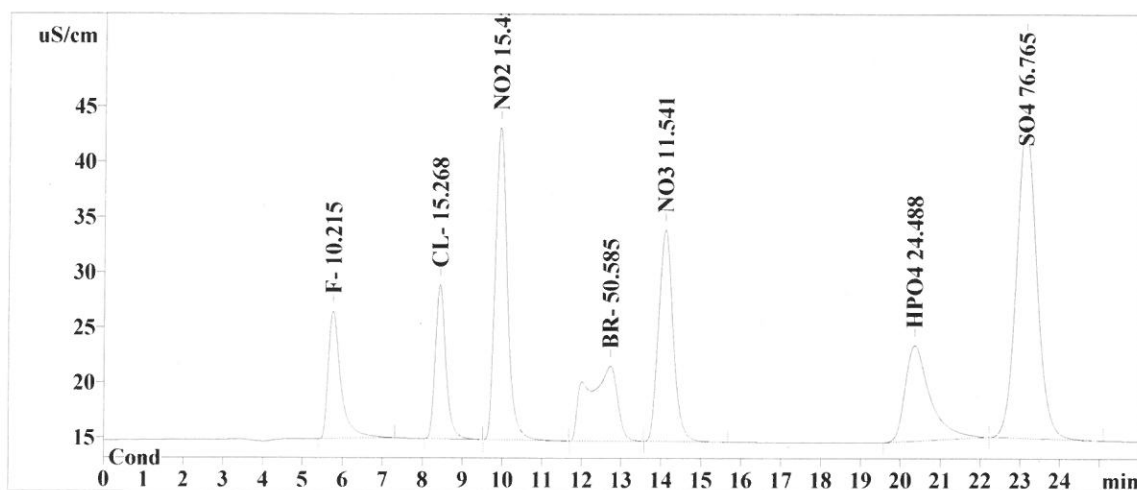
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Analysis from: 12/19/2016 12:45:57 PM
File: _2016-12-19_

Last save: 12/19/2016 2:12:28 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56232

Last save: 12/19/2016 8:39:58 AM

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	5.76	0.307	11.54	9.90	253.639	7.55	0.
2	8.42	0.272	13.98	11.98	255.919	7.62	0.
3	9.94	0.318	28.27	24.23	598.078	17.80	0.
4	12.72	1.032	6.80	5.83	357.847	10.65	0.
5	14.09	0.394	19.15	16.42	491.697	14.63	0.
6	20.34	0.616	8.68	7.44	377.959	11.25	0.
7	23.11	0.551	28.23	24.20	1025.166	30.51	0.
7	26.00	0.499	116.65	100.00	3360.304	100.00	0.

This report has been created by IC Net
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Report date: 12/20/2016 12:37:54 PM
Printed by: wet

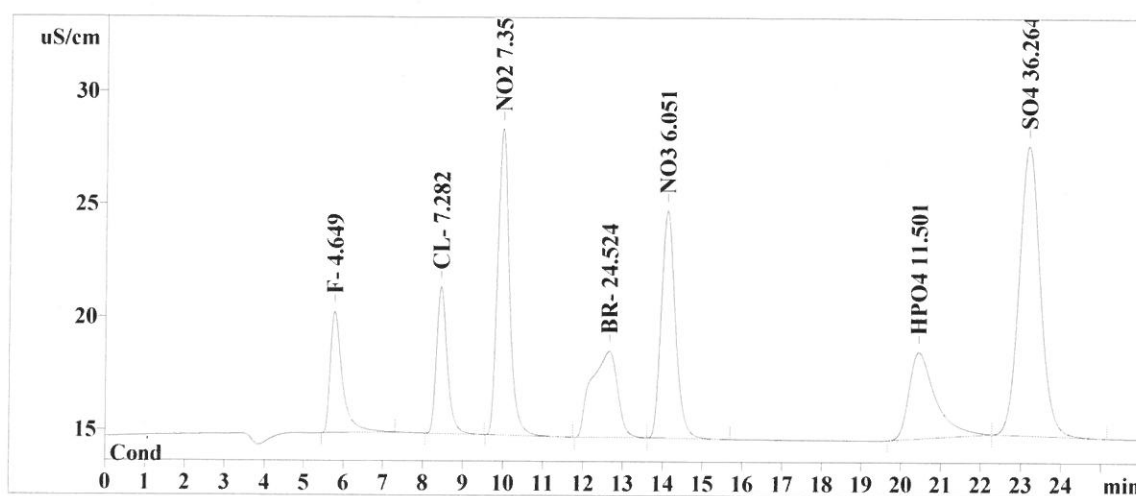
Ident: ICV
Analysis from: 12/19/2016 2:14:42 PM
File: _2016-12-19_

Last save: 12/20/2016 12:22:16 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56235

Last save: 12/19/2016 8:39:58 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	5.77	0.289	5.36	9.58	112.303	7.08	0.
2	8.44	0.274	6.50	11.60	120.055	7.57	0.
3	9.96	0.306	13.58	24.25	279.010	17.59	0.
4	12.65	0.822	3.82	6.83	173.500	10.94	0.
5	14.09	0.383	10.06	17.97	252.788	15.94	0.
6	20.44	0.654	3.83	6.85	177.344	11.18	0.
7	23.17	0.557	12.82	22.91	470.978	29.70	0.
7	26.00	0.469	55.98	99.99	1585.979	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 12/20/2016 12:38:07 PM
Printed by: wet

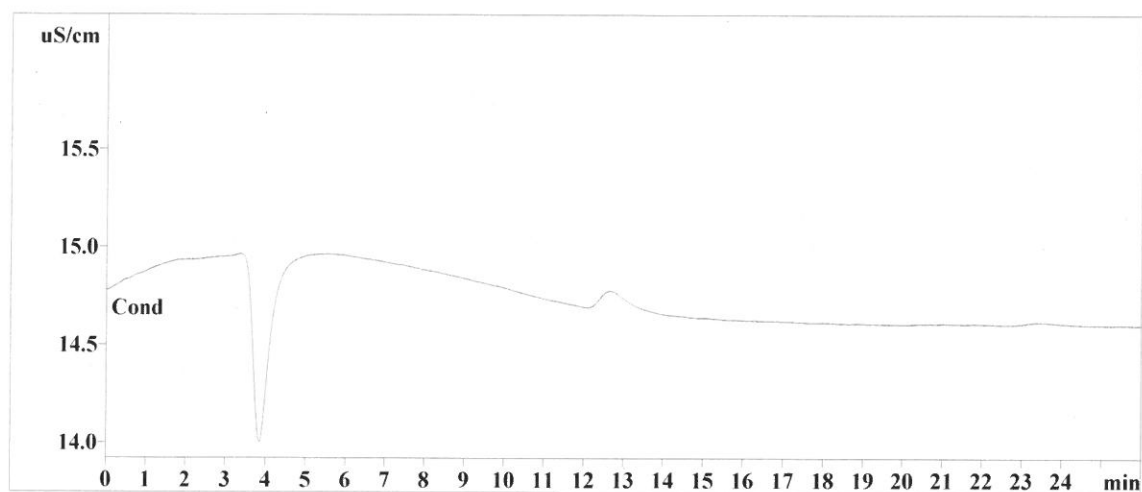
Ident: ICB
Analysis from: 12/19/2016 2:43:39 PM
File: _2016-12-19_

Last save: 12/20/2016 12:36:08 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56236

Last save: 12/19/2016 8:39:58 AM

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: 1/5/2017 4:15:04 PM
Printed by: wet

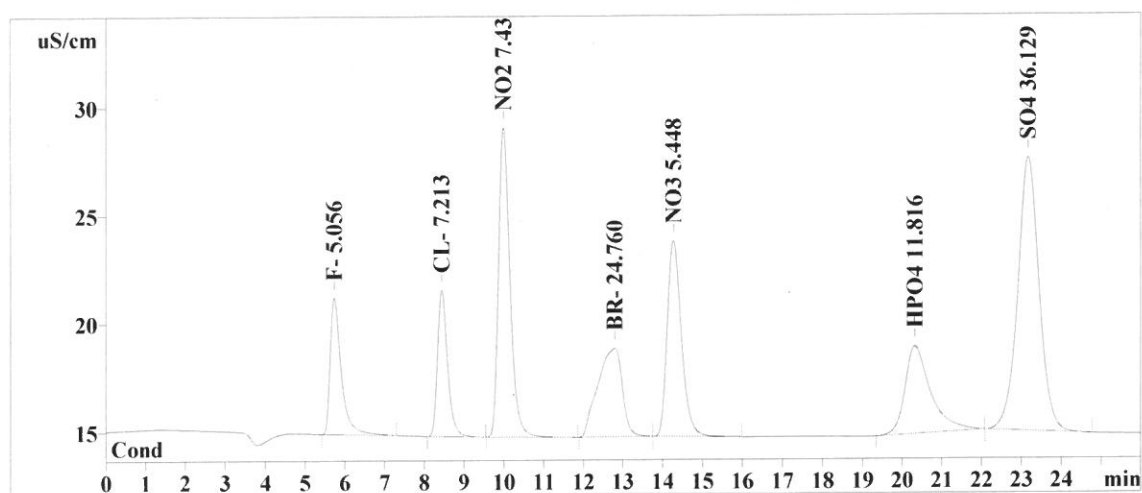
Ident: CCV
Analysis from: 1/4/2017 9:35:32 AM
File: _2017-01-04_

Last save: 1/4/2017 10:01:22 AM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56423

Last save: 1/4/2017 10:00:52 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	5.74	0.274	6.30	11.03	122.622	7.78	0.
2	8.44	0.263	6.75	11.81	118.880	7.54	0.
3	9.99	0.295	14.27	24.98	282.352	17.91	0.
4	12.79	0.694	4.10	7.17	175.170	11.11	0.
5	14.27	0.382	9.03	15.80	226.563	14.37	0.
6	20.32	0.629	4.06	7.10	182.201	11.55	0.
7	23.17	0.551	12.63	22.11	469.128	29.75	0.
7	26.00	0.441	57.14	100.00	1576.915	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 1/5/2017 4:18:42 PM
Printed by: wet

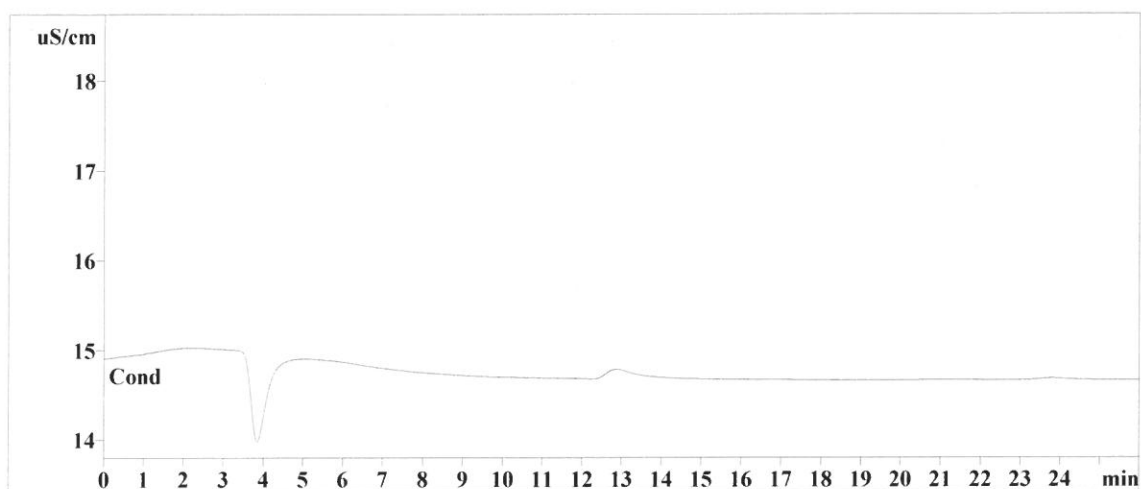
Ident: CCB
Analysis from: 1/4/2017 10:22:00 AM
File: _2017-01-04_

Last save: 1/5/2017 4:16:20 PM

Method: ANIONS 12-19-16.mtw
Run operator: wet
Analysis number: 56424

Last save: 1/4/2017 10:00:52 AM

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
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