

LC-1 3000

8/20/18 AE

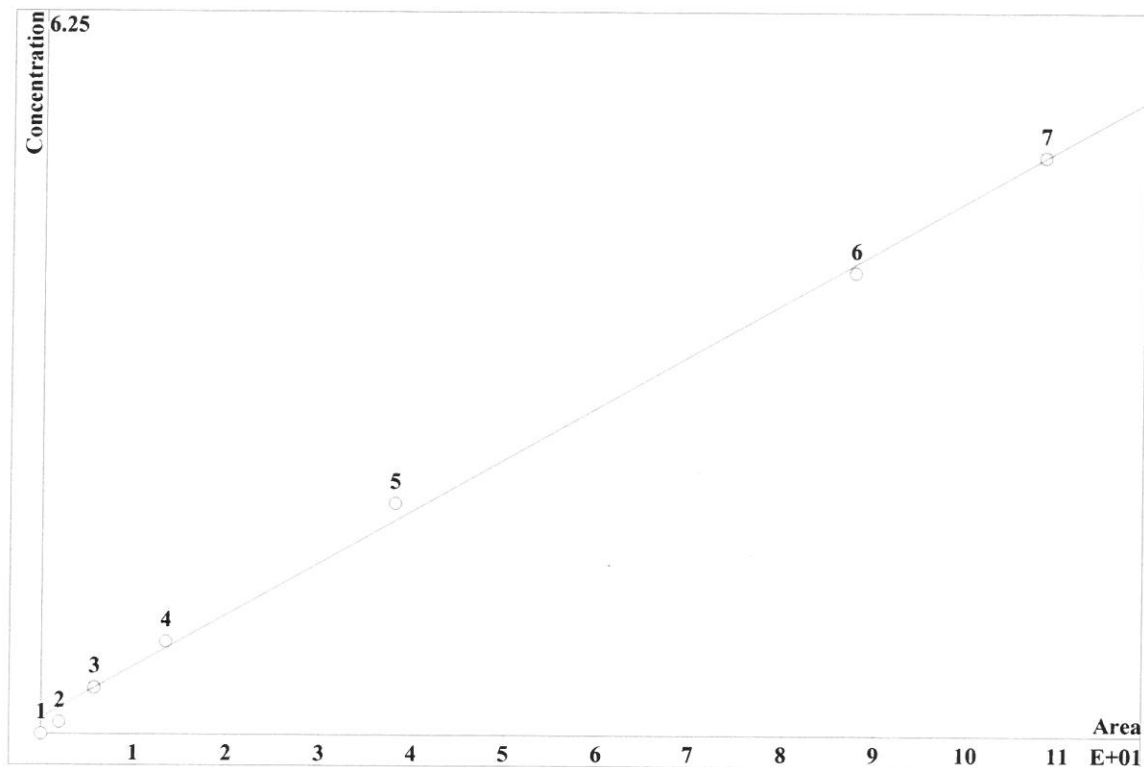
Clear table

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	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-08	8/8/18 10:27		AK/AP
STD2	0.2300	0.2400	0.2670	0.8790	0.2250	0.2400	1.3980	2018-08-08	8/8/18 10:58		AK/AP
STD3	0.4010	0.6200	0.6240	2.0930	0.5250	0.9270	3.1680	2018-08-08	8/8/18 11:29		AK/AP
STD4	0.7470	1.1820	1.1840	3.9570	0.9900	2.0840	5.9460	2018-08-08	8/8/18 11:59		AK/AP
STD5	1.8510	2.8630	2.8200	9.4730	2.3520	4.9900	13.9670	2018-08-08	8/8/18 12:30		AK/AP
STD6	4.0750	5.9780	5.9630	19.6320	4.9210	10.0710	29.6480	2018-08-08	8/8/18 13:01		AK/AP
STD7	4.9960	7.5680	7.5920	25.4650	6.3620	12.4380	38.1230	2018-08-08	8/8/18 14:16		AK/AP
ICV	1.8980	2.8500	2.8490	9.4310	2.3630	4.7050	14.1300	2018-08-08	8/8/18 15:46		AK/AP
ICB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-08	8/8/18 16:15		AK/AP
CCV	2.0190	2.9050	2.8680	9.4770	2.3420	5.6270	14.1580	2018-08-17	8/17/18 8:17		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-17	8/17/18 8:47		AK/AP
LB97397BLW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-17	8/17/18 9:17		AK/AP
LB97397BSW	1.9380	2.8990	2.8830	9.4130	2.3490	5.9660	14.2600	2018-08-17	8/17/18 9:47		AK/AP
J4541-02	0.3790	33.6650	0.2120	0.9350	0.0000	0.0000	15.0780	2018-08-17	8/17/18 12:29		AK/AP
J4541-05	0.5320	27.2620	0.0000	0.7480	0.0000	0.0000	16.3650	2018-08-17	8/17/18 12:59		AK/AP
J4541-07	0.3910	28.0710	0.0000	0.7590	0.0000	0.0000	16.9290	2018-08-17	8/17/18 13:29		AK/AP
J4541-02DUP	0.3970	33.0200	0.0000	0.9320	0.0000	0.0000	14.6040	2018-08-17	8/17/18 13:59		AK/AP
J4541-03MS	2.9310	34.1290	2.5590	10.6720	2.5480	4.6620	30.6290	2018-08-17	8/17/18 14:28		AK/AP
J4541-04MSD	2.7220	33.7910	2.4520	10.0250	2.3860	5.1470	29.3510	2018-08-17	8/17/18 14:58		AK/AP
CCV	2.1300	2.8030	2.7780	9.3170	2.3160	5.9130	13.7400	2018-08-17	8/17/18 15:28		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-17	8/17/18 15:58		AK/AP
J4541-09	0.0000	104.4990	0.0000	5.2380	0.0000	0.2820	8.0120	2018-08-17	8/17/18 16:58		AK/AP
CCV	2.0390	2.9150	2.8870	9.4820	2.3540	5.7620	14.2170	2018-08-17	8/17/18 17:28		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-17	8/17/18 17:58		AK/AP
J4555-07	0.3840	145.7140	0.0000	1.5490	0.4820	0.0000	833.5030	2018-08-17	8/17/18 20:01		AK/AP
CCV	1.8150	2.8880	2.8710	9.5950	2.3600	5.6540	14.5480	2018-08-17	8/17/18 20:31		AK/AP
CCB	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2018-08-17	8/17/18 21:00		AK/AP

CALIBRATION OF COMPONENT F-

IC-1 Col
8-8-2018
AL

Method: ANIONS 08-08-18.mtw
Equation: $Q = 0.897452 \cdot A + 2.81752$
RSD: 5.321 %
Correlation coefficient: 0.998844

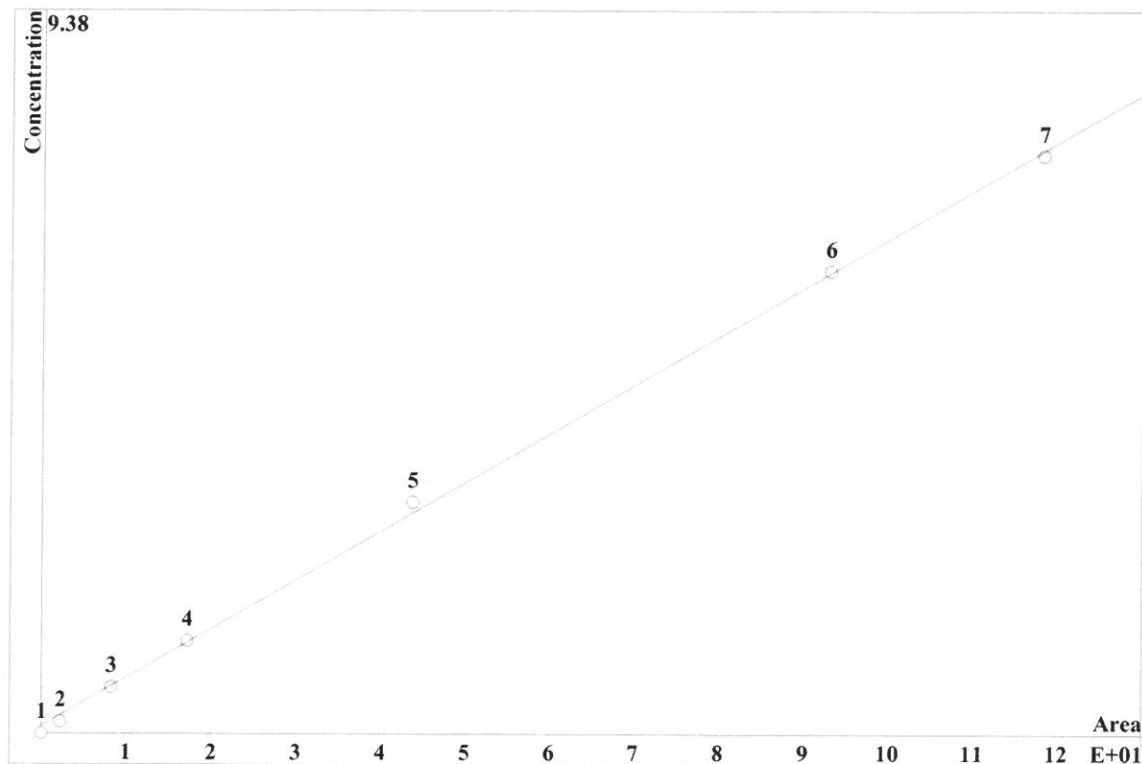


K3 = 0 K2 = 0 K1 = 0.897452 K0 = 2.81752
Base: Area
Ref.channel: Cond
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.05922	1.992	0.1	20	5.913			Yes
3	0.2506	5.799	0.4	20	5.913			Yes
4	0.6213	13.5	0.8	20	5.913			Yes
5	1.733	38.11	2	20	5.913			Yes
6	3.937	87.67	4	20	5.913			Yes
7	5.069	108.2	5	20	5.913			Yes

CALIBRATION OF COMPONENT CL-

Method: ANIONS 08-08-18.mtw
 Equation: $Q = 1.26358 \cdot A + 1.9612$
 RSD: 2.941 %
 Correlation coefficient: 0.999647



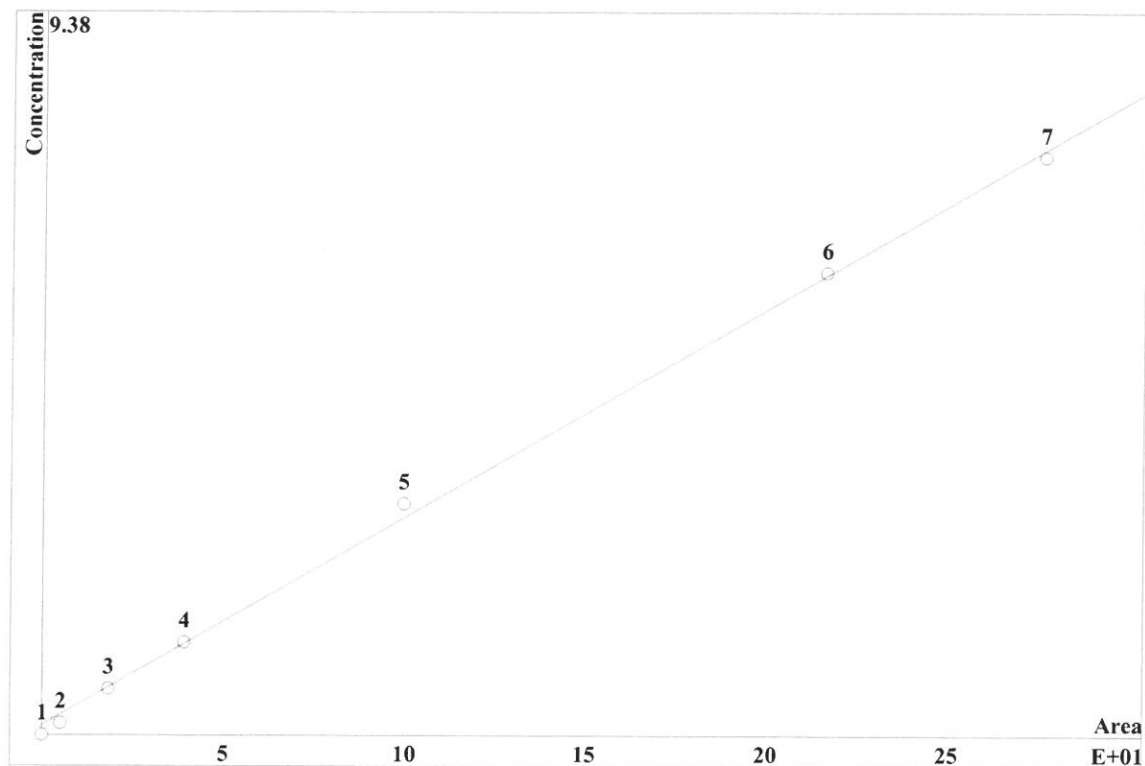
K3 = 0 K2 = 0 K1 = 1.26358 K0 = 1.9612

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	0.1298	2.244	0.15	20	8.858			Yes
3	0.4855	8.262	0.6	20	8.858			Yes
4	1.041	17.15	1.2	20	8.858			Yes
5	2.633	43.76	3	20	8.858			Yes
6	5.698	93.06	6	20	8.858			Yes
7	7.353	118.2	7.5	20	8.858			Yes

CALIBRATION OF COMPONENT NO2

Method: ANIONS 08-08-18.mtw
 Equation: $Q = 0.539386 \cdot A + 2.61869$
 RSD: 3.877 %
 Correlation coefficient: 0.999387



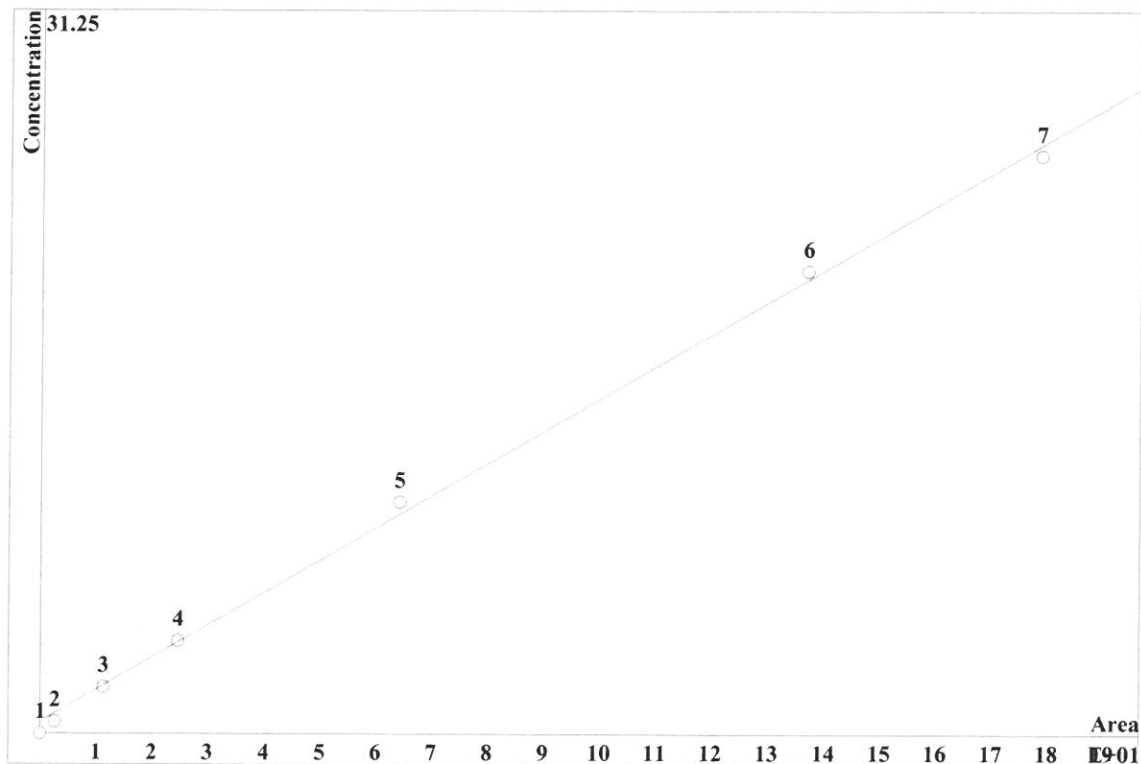
K3 = 0 K2 = 0 K1 = 0.539386 K0 = 2.61869

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	0.2381	5.037	0.15	20	10.65			Yes
3	0.9535	18.28	0.6	20	10.65			Yes
4	2.089	39.06	1.2	20	10.65			Yes
5	5.336	99.69	3	20	10.65			Yes
6	11.43	216.3	6	20	10.65			Yes
7	14.68	276.7	7.5	20	10.65			Yes

CALIBRATION OF COMPONENT BR-

Method: ANIONS 08-08-18.mtw
 Equation: $Q = 2.79295 \cdot A + 10.2076$
 RSD: 4.319 %
 Correlation coefficient: 0.999239



K3 = 0 K2 = 0 K1 = 2.79295 K0 = 10.2076

Base: Area

Ref.channel: Cond

ISTD:

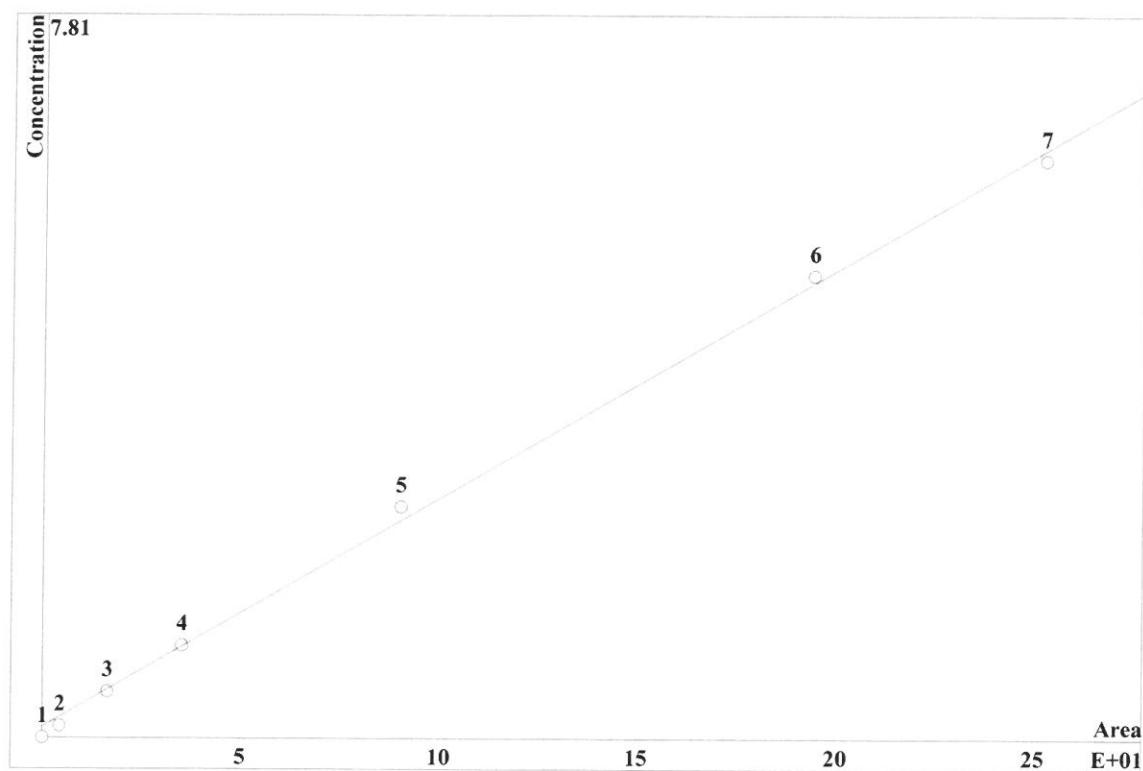
Formula: Linear

Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.1275	2.639	0.5	20	13.72			Yes
3	0.5499	11.33	2	20	13.72			Yes
4	1.212	24.68	4	20	13.72			Yes
5	3.1	64.18	10	20	13.72			Yes
6	6.535	136.9	20	20	13.72			Yes
7	8.264	178.7	25	20	13.72			Yes

CALIBRATION OF COMPONENT NO3

Method: ANIONS 08-08-18.mtw
 Equation: $Q = 0.494778 \cdot A + 2.34728$
 RSD: 4.427 %
 Correlation coefficient: 0.999200



K3 = 0 K2 = 0 K1 = 0.494778 K0 = 2.34728

Base: Area

Ref.channel: Cond

ISTD:

Formula: Linear

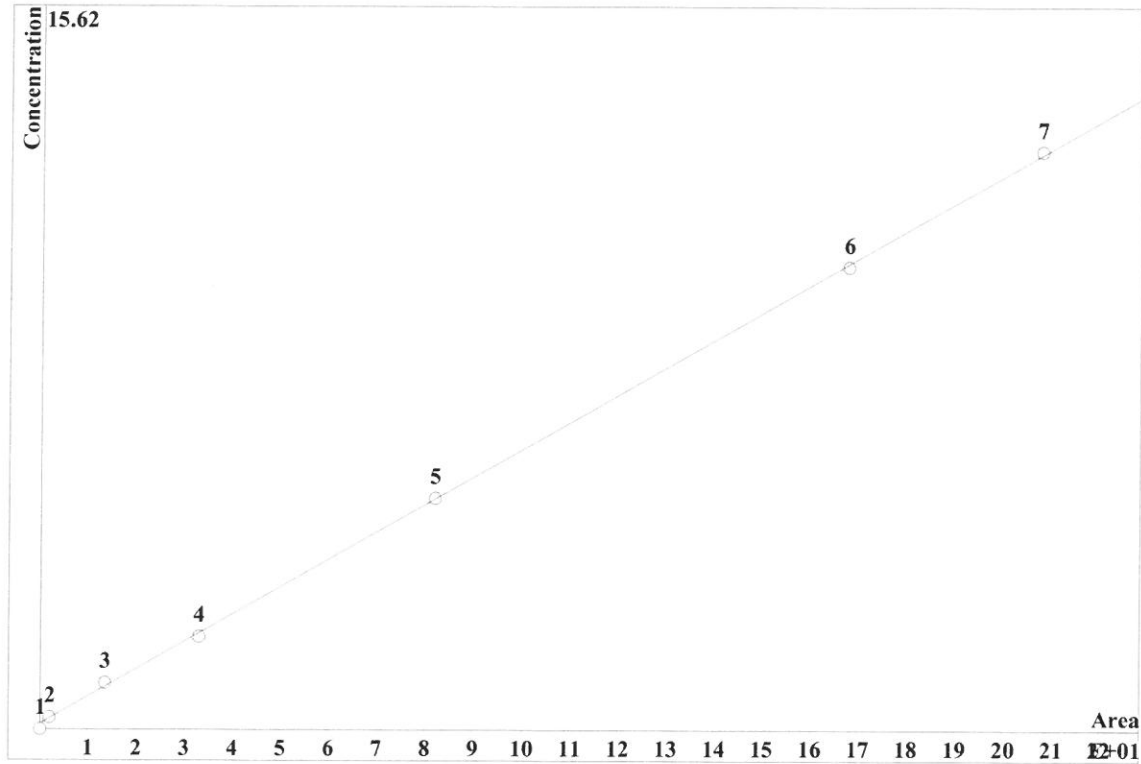
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File	
1	0	0	0	0	0			No
2	0.175	4.354	0.125	20	15.65			Yes
3	0.6995	16.48	0.5	20	15.65			Yes
4	1.523	35.29	1	20	15.65			Yes
5	3.953	90.33	2.5	20	15.65			Yes
6	8.746	194.2	5	20	15.65			Yes
7	11.46	252.4	6.25	20	15.65			Yes

± 0.25

CALIBRATION OF COMPONENT HPO4

Method: ANIONS 08-08-18.mtw
 Equation: $Q = 1.18591 \cdot A + 2.51088$
 RSD: 1.429 %
 Correlation coefficient: 0.999917



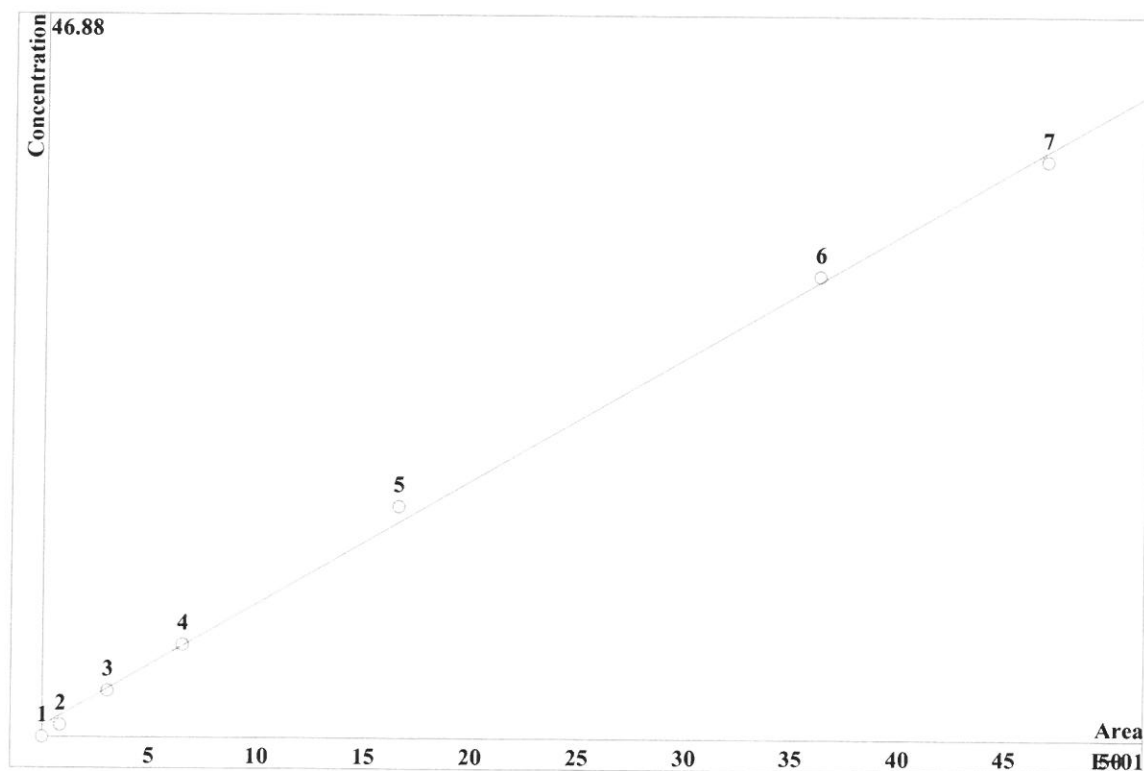
K3 = 0 K2 = 0 K1 = 1.18591 K0 = 2.51088

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	0.05354	1.934	0.25	20	21.48			Yes
3	0.393	13.51	1	20	21.48			Yes
4	0.9599	33.03	2	20	21.48			Yes
5	2.438	82.03	5	20	21.48			Yes
6	5.135	167.7	10	20	21.48			Yes
7	6.523	207.7	12.5	20	21.48			Yes

CALIBRATION OF COMPONENT SO4

Method: ANIONS 08-08-18.mtw
 Equation: $Q = 1.59824 \cdot A + 14.445$
 RSD: 4.634 %
 Correlation coefficient: 0.999123



K3 = 0 K2 = 0 K1 = 1.59824 K0 = 14.445

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	0.2676	8.457	0.75	20	25.17		Yes
3	1.017	30.61	3	20	25.17		Yes
4	2.197	65.36	6	20	25.17		Yes
5	5.703	165.7	15	20	25.17		Yes
6	12.63	362	30	20	25.17		Yes
7	16.41	468	37.5	20	25.17		Yes

Report date: 8/9/2018 8:37:23 AM
Printed by: wet

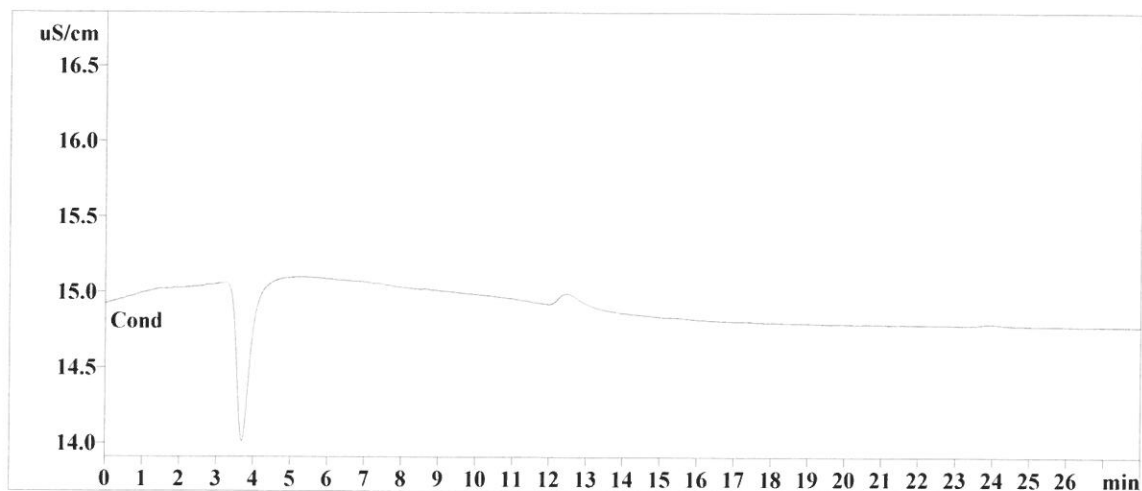
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File: _2018-08-08_

Last save: 8/8/2018 2:50:52 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63402

Last save: 8/8/2018 10:16:04 AM

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



Quantitation method: Custom

No peaks

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Report date: 8/9/2018 8:37:34 AM
Printed by: wet

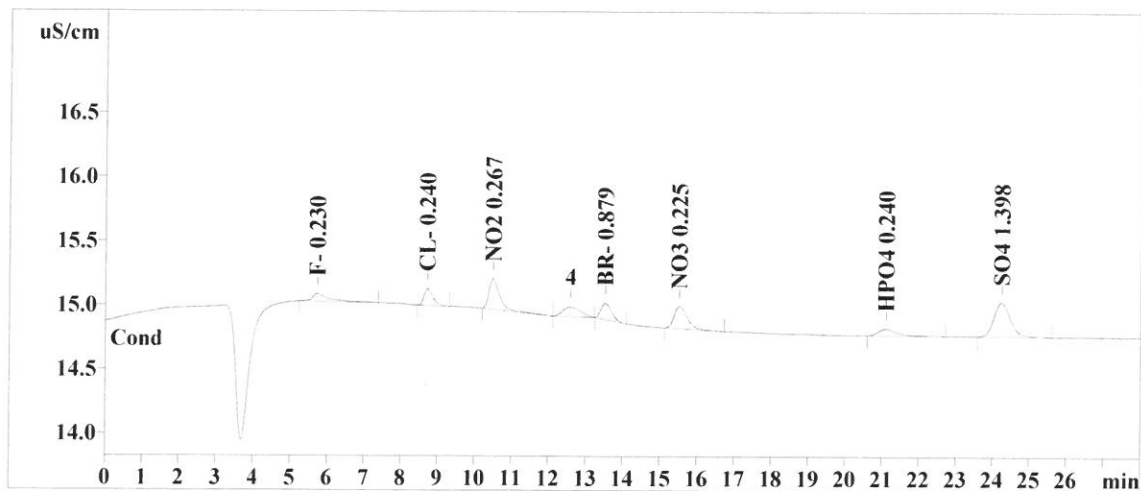
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Analysis from: 8/8/2018 10:58:08 AM
File: _2018-08-08_

Last save: 8/8/2018 2:50:52 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63403

Last save: 8/8/2018 10:16:04 AM

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	5.72	0.381	0.06	5.22	1.992	6.83	0.
2	8.72	0.263	0.13	11.47	2.244	7.70	0.
3	10.50	0.293	0.24	21.11	5.037	17.28	0.
4	13.53	0.328	0.13	11.31	2.639	9.05	0.
5	15.51	0.373	0.17	15.52	4.354	14.94	0.
6	21.10	0.501	0.05	4.72	1.934	6.64	0.
7	24.24	0.478	0.27	23.72	8.457	29.01	0.
7	28.00	0.374	1.05	93.07	26.658	91.45	0.

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Report date: 8/9/2018 8:37:41 AM
Printed by: wet

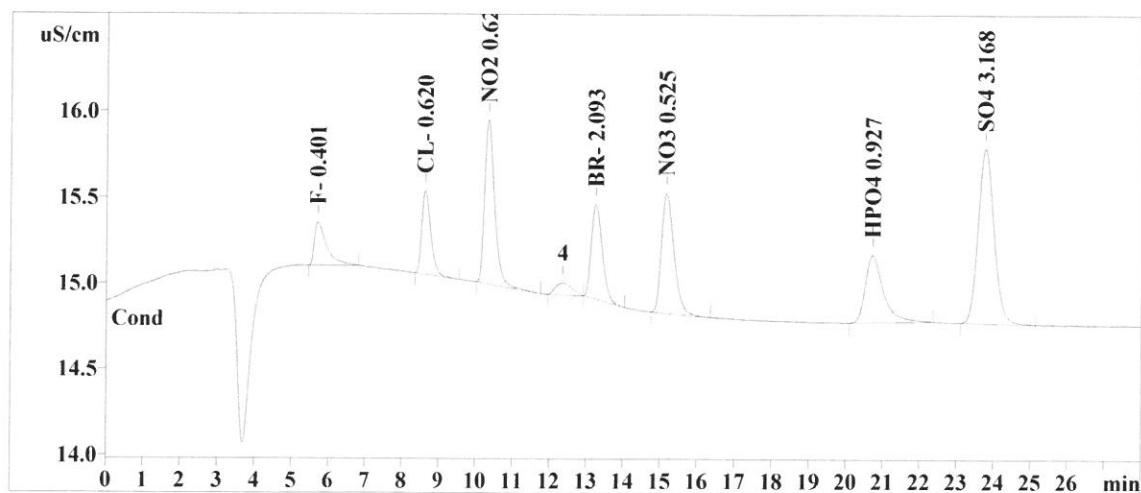
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File: _2018-08-08_

Last save: 8/8/2018 2:50:52 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63404

Last save: 8/8/2018 10:16:04 AM

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	5.70	0.317	0.25	5.66	5.799	5.45	0.
2	8.61	0.257	0.49	10.98	8.262	7.76	0.
3	10.33	0.284	0.95	21.55	18.276	17.17	0.
4	13.24	0.319	0.55	12.44	11.333	10.65	0.
5	15.15	0.357	0.70	15.80	16.476	15.48	0.
6	20.71	0.485	0.39	8.88	13.513	12.70	0.
7	23.76	0.459	1.02	22.99	30.610	28.76	0.
7	28.00	0.354	4.35	98.31	104.270	97.98	0.

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Report date: 8/9/2018 8:37:49 AM
Printed by: wet

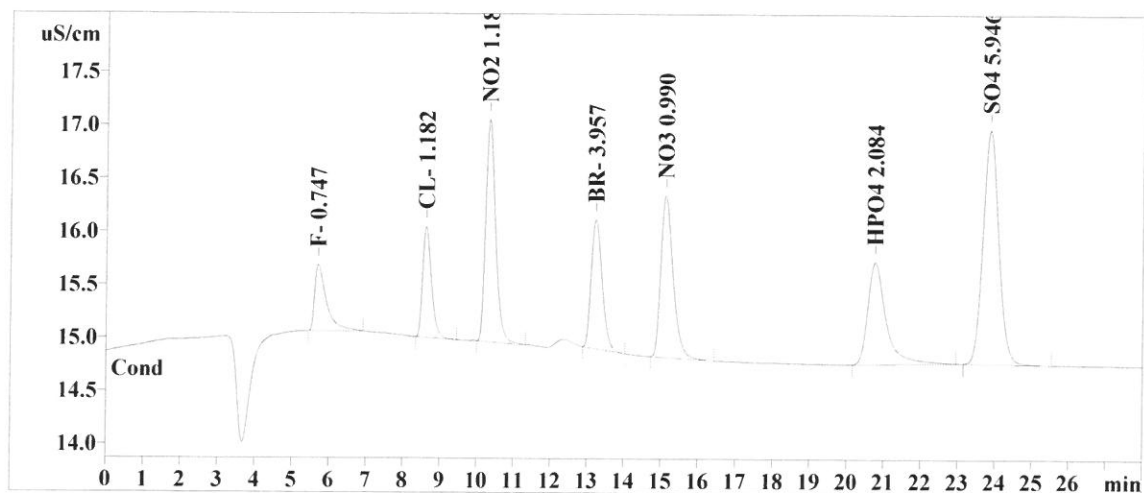
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File: _2018-08-08_

Last save: 8/8/2018 2:50:52 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63405

Last save: 8/8/2018 10:16:04 AM

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	5.70	0.300	0.62	6.43	13.505	5.92	0.
2	8.60	0.251	1.04	10.79	17.151	7.52	0.
3	10.32	0.282	2.09	21.66	39.057	17.12	0.
4	13.22	0.314	1.21	12.57	24.684	10.82	0.
5	15.10	0.350	1.52	15.79	35.287	15.47	0.
6	20.75	0.475	0.96	9.95	33.030	14.48	0.
7	23.85	0.454	2.20	22.78	65.364	28.66	0.
7	28.00	0.347	9.64	99.97	228.078	100.00	0.

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Report date: 8/9/2018 8:37:56 AM
Printed by: wet

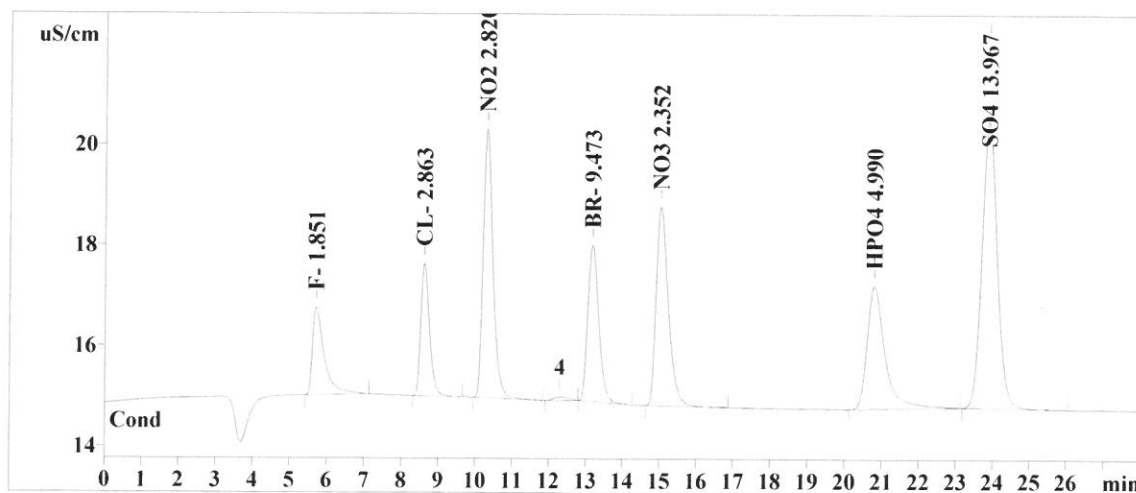
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File: _2018-08-08_

Last save: 8/8/2018 2:50:52 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63406

Last save: 8/8/2018 10:16:04 AM

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	5.71	0.302	1.73	6.94	38.109	6.50	0.
2	8.60	0.252	2.63	10.54	43.762	7.47	0.
3	10.30	0.280	5.34	21.37	99.693	17.02	0.
4	13.17	0.320	3.10	12.41	64.179	10.95	0.
5	15.02	0.344	3.95	15.83	90.327	15.42	0.
6	20.79	0.466	2.44	9.76	82.033	14.00	0.
7	23.88	0.443	5.70	22.84	165.745	28.29	0.
7	28.00	0.344	24.89	99.70	583.847	99.65	0.

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Report date: 8/9/2018 8:38:04 AM
Printed by: wet

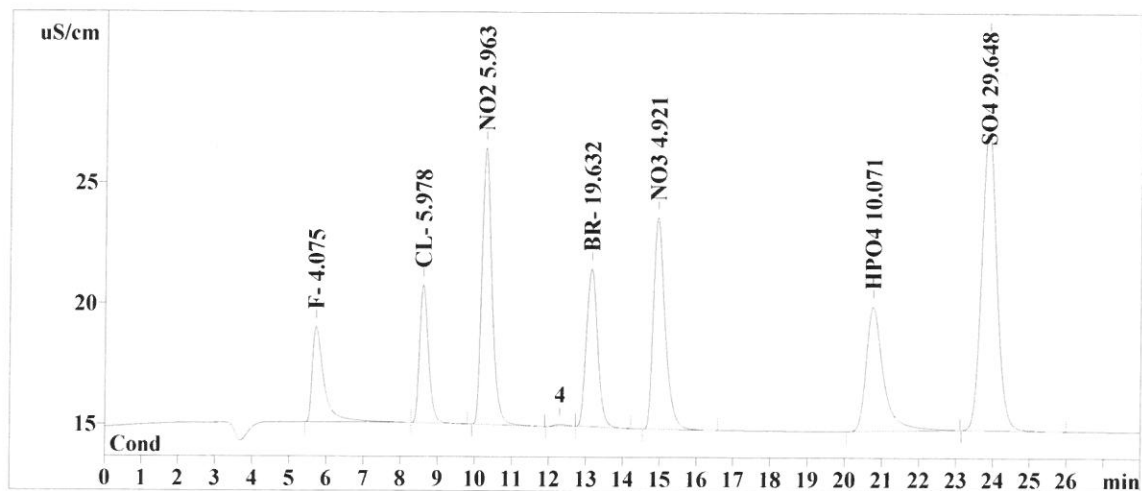
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File: _2018-08-08_

Last save: 8/8/2018 2:50:52 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63407

Last save: 8/8/2018 10:16:04 AM

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	5.71	0.295	3.94	7.26	87.665	6.96	0.
2	8.59	0.247	5.70	10.51	93.062	7.39	0.
3	10.27	0.284	11.43	21.10	216.263	17.17	0.
4	13.13	0.324	6.53	12.06	136.930	10.87	0.
5	14.93	0.332	8.75	16.14	194.161	15.41	0.
6	20.75	0.455	5.14	9.48	167.725	13.32	0.
7	23.85	0.435	12.63	23.32	361.966	28.74	0.
7	28.00	0.339	54.12	99.87	1257.773	99.86	0.

This report has been created by IC Net
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Report date: 8/9/2018 8:38:11 AM
Printed by: wet

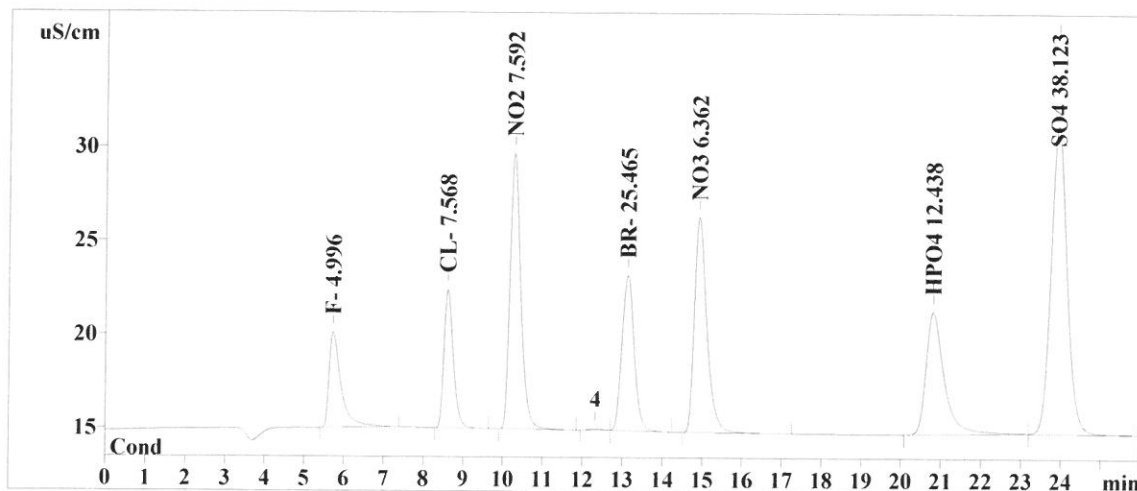
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Analysis from: 8/8/2018 2:16:31 PM
File: _2018-08-08_

Last save: 8/8/2018 3:41:02 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63409

Last save: 8/8/2018 2:51:00 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	5.72	0.295	5.07	7.26	108.203	6.71	0.
2	8.60	0.243	7.35	10.53	118.233	7.34	0.
3	10.27	0.284	14.68	21.03	276.656	17.17	0.
4	13.12	0.337	8.26	11.83	178.700	11.09	0.
5	14.90	0.329	11.46	16.41	252.421	15.66	0.
6	20.80	0.447	6.52	9.34	207.651	12.89	0.
7	23.91	0.434	16.41	23.50	468.028	29.04	0.
7	26.00	0.338	69.76	99.90	1609.892	99.90	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/9/2018 8:38:32 AM
Printed by: wet

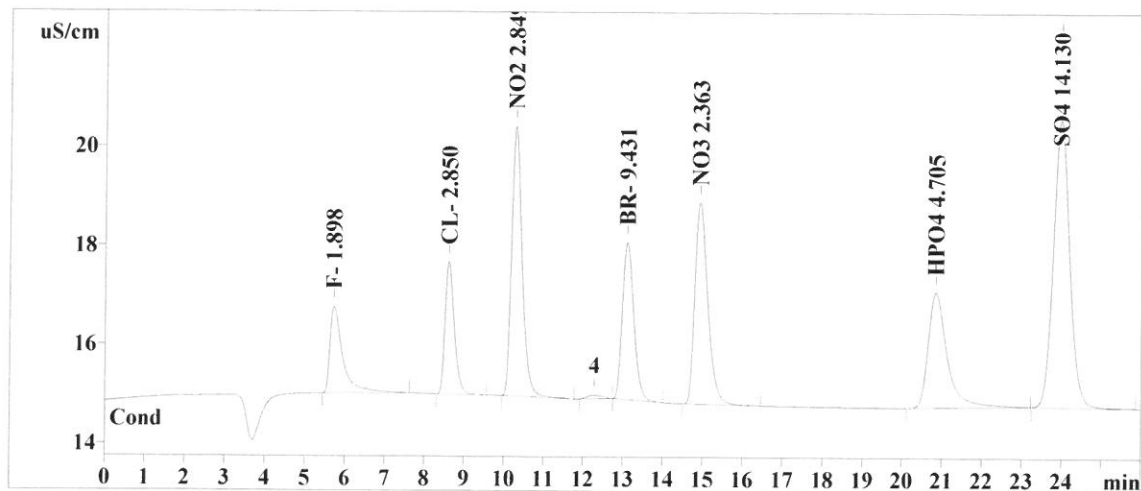
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Analysis from: 8/8/2018 3:46:54 PM
File: _2018-08-08_

Last save: 8/8/2018 4:12:44 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63412

Last save: 8/8/2018 2:51:00 PM

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



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.72	0.299	1.74	6.88	39.160	6.69	0.
2	8.60	0.247	2.67	10.56	43.560	7.44	0.
3	10.27	0.278	5.44	21.53	100.801	17.23	0.
4	13.10	0.311	3.17	12.53	63.883	10.92	0.
5	14.91	0.336	4.07	16.09	90.756	15.51	0.
6	20.84	0.460	2.32	9.18	77.235	13.20	0.
7	23.95	0.441	5.79	22.91	167.784	28.67	0.
7	26.00	0.339	25.22	99.69	583.178	99.67	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/9/2018 8:38:51 AM
Printed by: wet

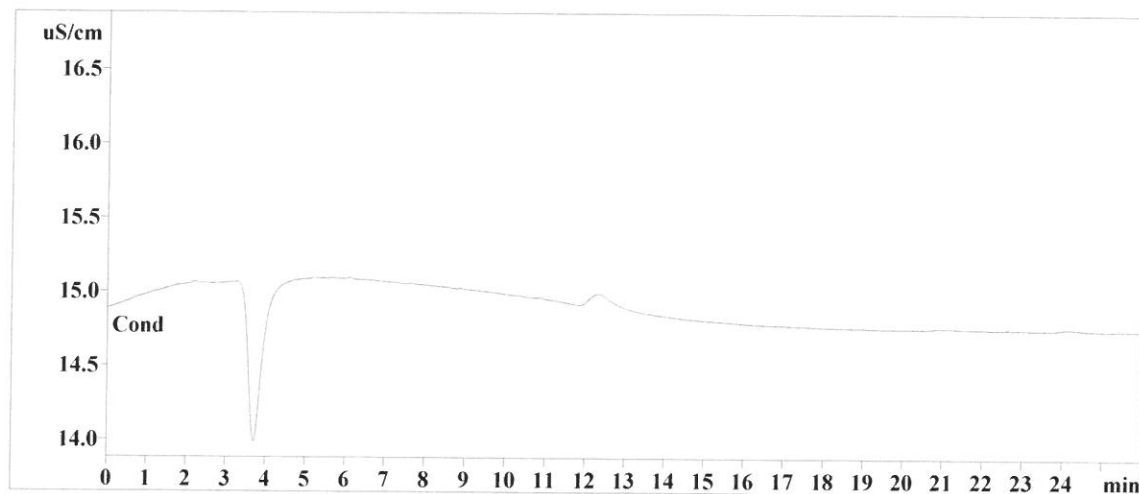
Ident: ICB
Analysis from: 8/8/2018 4:15:49 PM
File: _2018-08-08_

Last save: 8/9/2018 8:38:50 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63413

Last save: 8/8/2018 2:51:00 PM

SAMPLE:
: AK/AP
Vial number: 12
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: 8/20/2018 10:46:42 AM
Printed by: wet

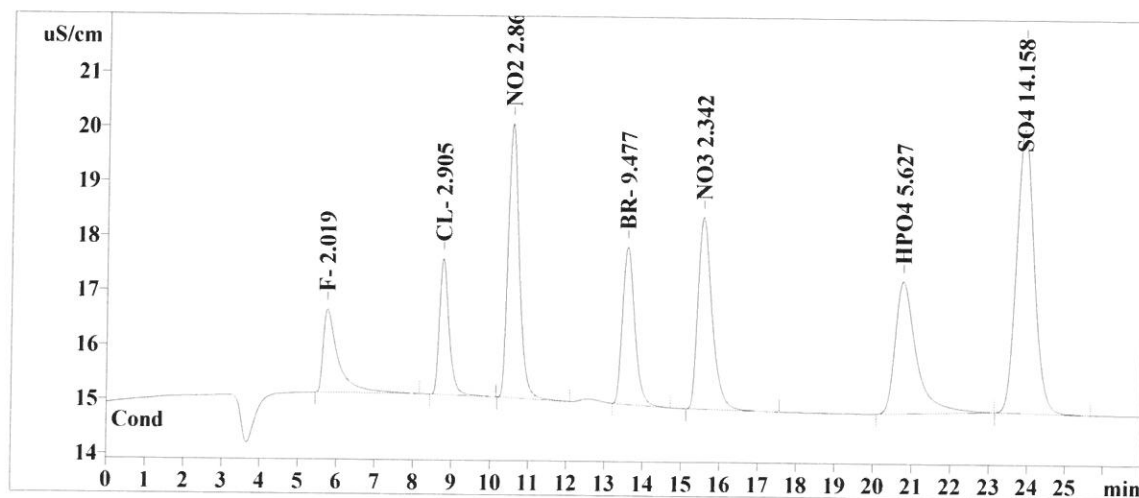
Ident: CCV
Analysis from: 8/17/2018 8:17:46 AM
File: _2018-08-17_

Last save: 8/17/2018 8:44:36 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63545

Last save: 8/14/2018 2:31:08 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	5.74	0.353	1.53	6.62	41.856	6.94	0.
2	8.75	0.266	2.49	10.80	44.435	7.37	0.
3	10.54	0.304	5.02	21.78	101.486	16.83	0.
4	13.58	0.341	2.88	12.50	64.210	10.65	0.
5	15.55	0.385	3.51	15.24	89.939	14.92	0.
6	20.75	0.531	2.42	10.50	92.787	15.39	0.
7	23.88	0.494	5.20	22.55	168.133	27.89	0.
7	27.00	0.382	23.05	99.98	602.847	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 10:47:05 AM
Printed by: wet

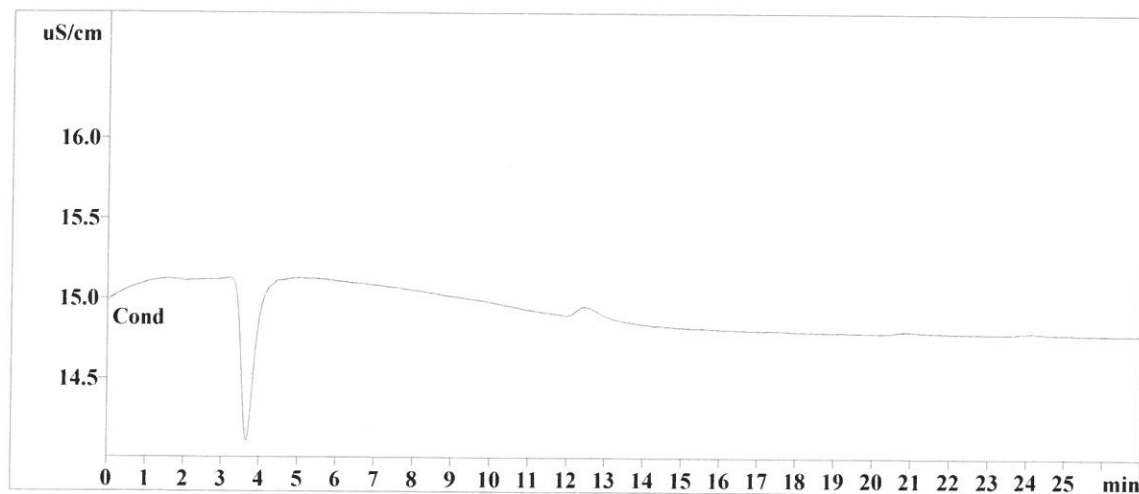
Ident: CCB
Analysis from: 8/17/2018 8:47:41 AM
File: _2018-08-17_

Last save: 8/20/2018 10:47:02 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63546

Last save: 8/14/2018 2:31:08 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: 8/20/2018 10:47:25 AM
Printed by: wet

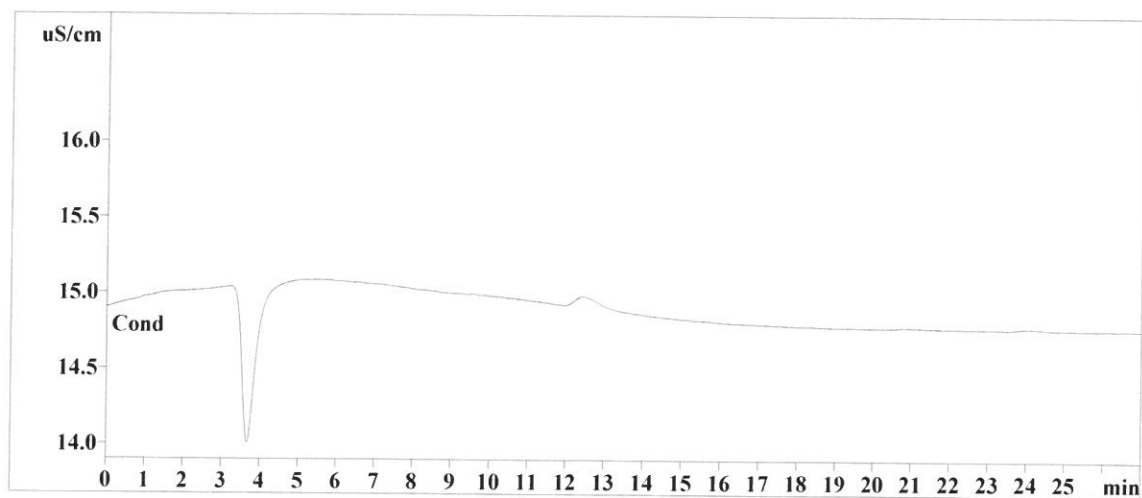
Ident: LB97397BLW
Analysis from: 8/17/2018 9:17:37 AM
File: _2018-08-17_

Last save: 8/20/2018 10:47:24 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63547

Last save: 8/14/2018 2:31:08 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: 8/20/2018 10:47:36 AM
Printed by: wet

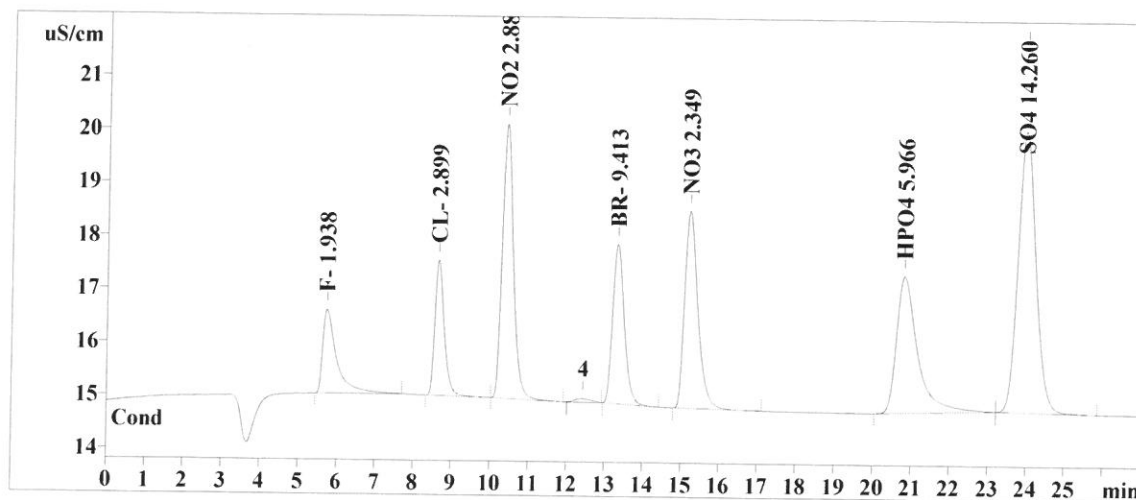
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Analysis from: 8/17/2018 9:47:32 AM
File: _2018-08-17_

Last save: 8/20/2018 10:46:34 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63548

Last save: 8/14/2018 2:31:08 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	5.72	0.338	1.57	6.59	40.043	6.56	0.
2	8.64	0.263	2.54	10.63	44.330	7.26	0.
3	10.38	0.299	5.15	21.57	102.030	16.72	0.
4	13.31	0.326	2.99	12.54	63.747	10.45	0.
5	15.20	0.368	3.70	15.51	90.221	14.79	0.
6	20.80	0.529	2.56	10.74	98.494	16.14	0.
7	23.95	0.491	5.28	22.13	169.404	27.76	0.
7	27.00	0.373	23.78	99.72	608.270	99.68	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 12:18:16 PM
Printed by: wet

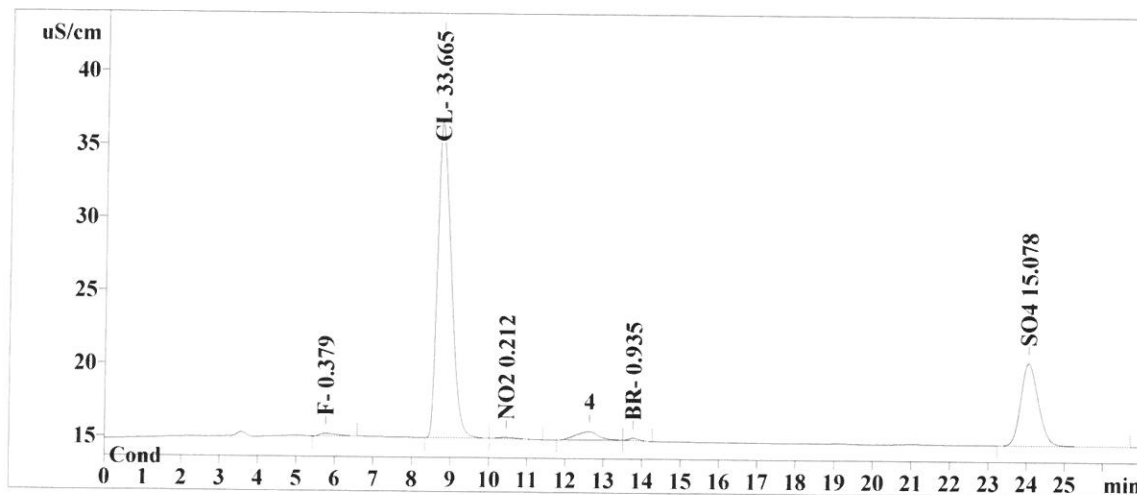
Ident: J4541-02
Analysis from: 8/17/2018 12:29:16 PM
File: _2018-08-17_

Last save: 8/20/2018 12:18:16 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63550

Last save: 8/14/2018 2:31:08 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	5.77	0.459	0.18	0.63	5.315	0.71	0.
2	8.72	0.389	21.63	76.44	531.297	71.18	0.
3	10.45	0.508	0.09	0.33	3.003	0.40	0.
4	13.78	0.293	0.17	0.59	3.044	0.41	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	24.04	0.489	5.64	19.93	179.642	24.07	0.
7	27.00	0.305	27.70	97.91	722.301	96.77	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 10:52:16 AM
 Printed by: wet

Ident: J4541-05
 Analysis from: 8/17/2018 12:59:12 PM
 File: _2018-08-17_

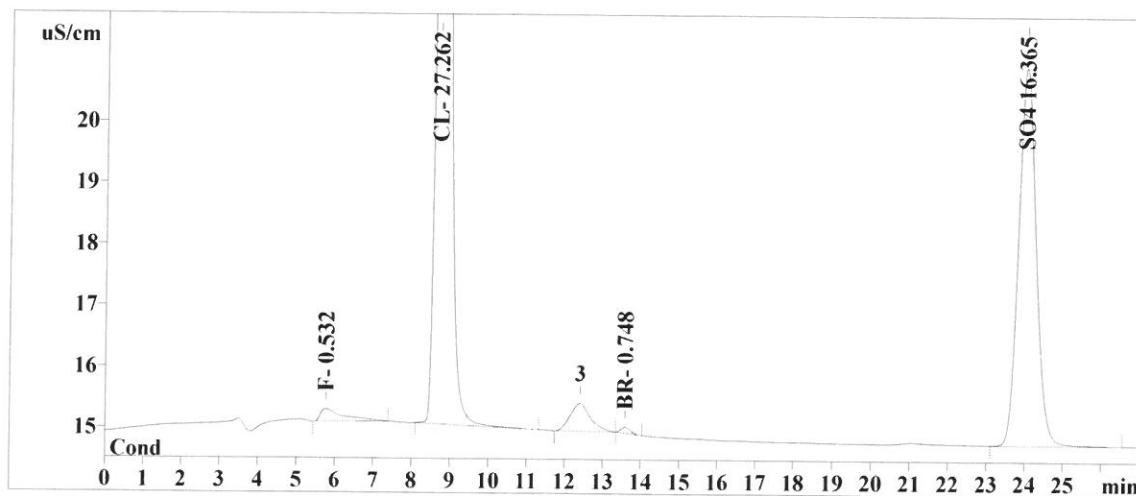
Last save: 8/20/2018 10:52:18 AM

Method: ANIONS 08-08-18.mtw
 Run operator: wet
 Analysis number: 63551

Last save: 8/14/2018 2:31:08 PM

SAMPLE:

: AK/AP
 Vial number: 24
 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	0.503	0.20	0.74	8.713	1.33	0.
2	8.69	0.319	20.61	74.84	429.959	65.86	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.59	0.275	0.10	0.36	1.698	0.26	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	24.00	0.485	6.17	22.40	195.753	29.99	0.
7	27.00	0.226	27.08	98.34	636.123	97.44	0.

This report has been created by IC Net
 METROHM LTD

Report date: 8/20/2018 10:51:25 AM
Printed by: wet

Ident: J4541-07
Analysis from: 8/17/2018 1:29:07 PM
File: _2018-08-17_

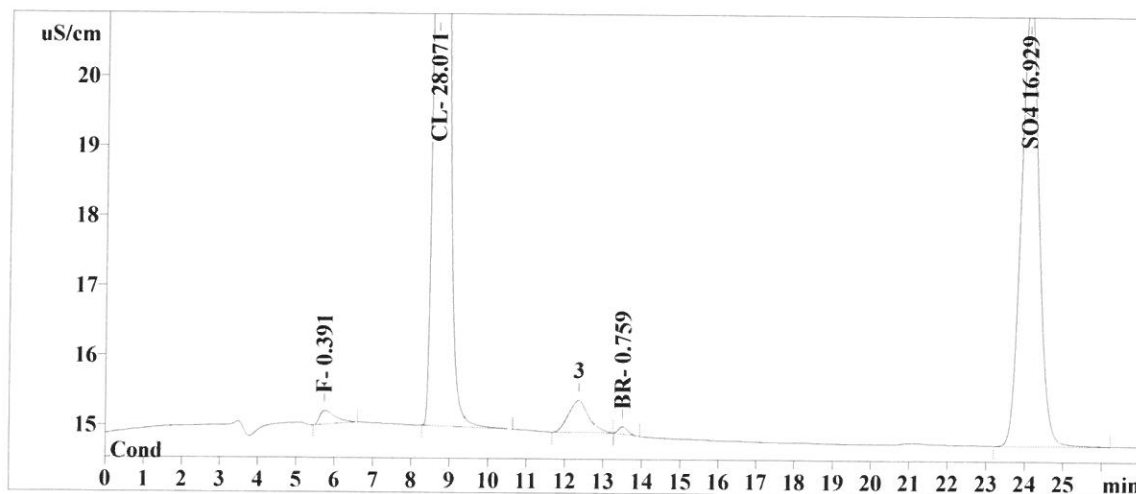
Last save: 8/20/2018 10:51:26 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63552

Last save: 8/14/2018 2:31:08 PM

SAMPLE:

: AK/AP
Vial number: 25
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.73	0.434	0.20	0.68	5.579	0.83	0.
2	8.64	0.318	21.42	74.81	442.752	66.11	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.51	0.268	0.11	0.37	1.783	0.27	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	24.06	0.482	6.45	22.52	202.810	30.28	0.
7	27.00	0.215	28.17	98.38	652.925	97.49	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 10:52:46 AM
Printed by: wet

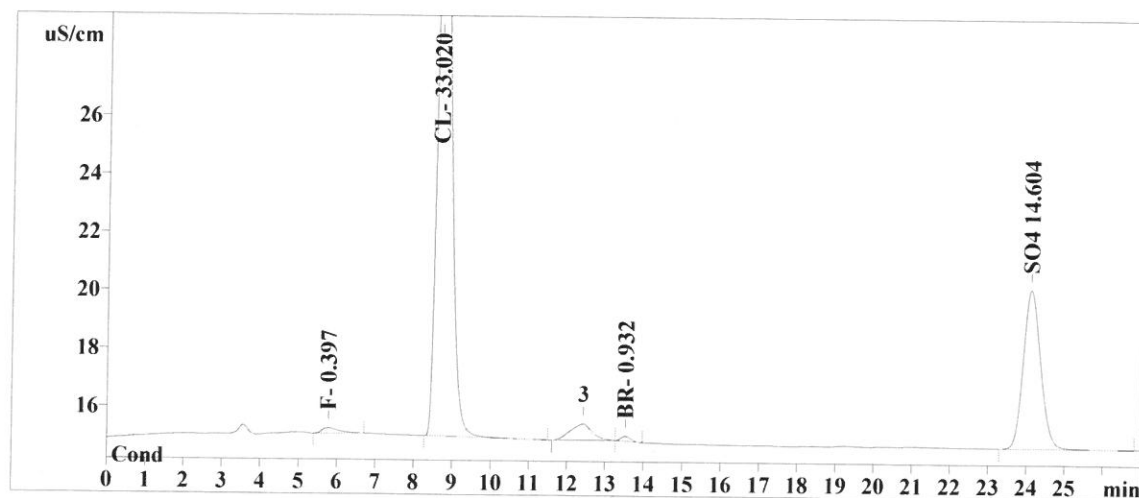
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Analysis from: 8/17/2018 1:59:02 PM
File: _2018-08-17_

Last save: 8/20/2018 10:52:46 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63553

Last save: 8/14/2018 2:31:08 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	5.77	0.458	0.19	0.66	5.718	0.79	0.
2	8.65	0.375	21.78	77.34	521.097	71.76	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.53	0.277	0.17	0.62	3.022	0.42	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	24.10	0.489	5.46	19.37	173.718	23.92	0.
7	27.00	0.229	27.60	97.99	703.554	96.89	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 10:54:36 AM
Printed by: wet

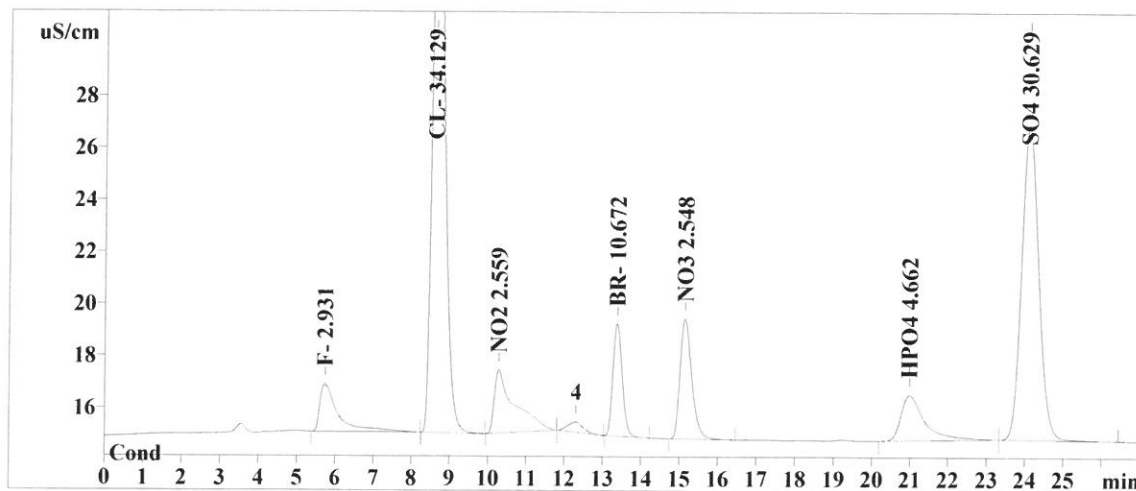
Ident: J4541-03MS
Analysis from: 8/17/2018 2:28:57 PM
File: _2018-08-17_

Last save: 8/17/2018 2:55:46 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63554

Last save: 8/14/2018 2:31:08 PM

SAMPLE:
: AK/AP
Vial number: 22
Volume: 20.0 µL
Dilution: 1.00
Amount: 1.0000



Quantitation method: Custom

No	Retention min	Width/2 min	Height uS/cm	Height %	Area uS/cm*sec	Area %	
1	5.72	0.421	1.82	3.52	62.175	4.70	0.
2	8.60	0.345	24.39	47.08	538.635	40.68	0.
3	10.28	0.408	2.42	4.68	90.032	6.80	0.
4	13.37	0.260	4.32	8.35	72.764	5.50	0.
5	15.14	0.324	4.61	8.90	98.250	7.42	0.
6	20.98	0.587	1.75	3.37	76.501	5.78	0.
7	24.08	0.476	12.08	23.32	374.245	28.26	0.
7	27.00	0.403	51.40	99.23	1312.602	99.13	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 10:54:53 AM
Printed by: wet

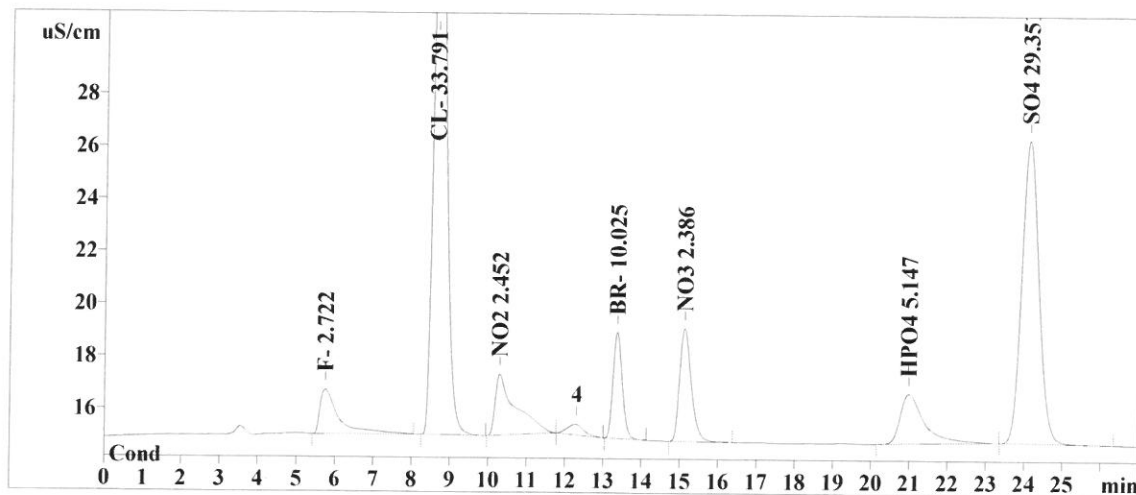
Ident: J4541-04MSD
Analysis from: 8/17/2018 2:58:52 PM
File: _2018-08-17_

Last save: 8/17/2018 3:25:42 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63555

Last save: 8/14/2018 2:31:08 PM

SAMPLE:
:
Vial number: 23
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	0.422	1.70	3.37	57.530	4.45	0.
2	8.62	0.344	24.19	47.99	533.293	41.28	0.
3	10.29	0.422	2.32	4.61	86.053	6.66	0.
4	13.36	0.260	4.05	8.03	68.131	5.27	0.
5	15.12	0.324	4.30	8.54	91.689	7.10	0.
6	20.98	0.599	1.89	3.76	84.689	6.56	0.
7	24.10	0.478	11.54	22.90	358.254	27.73	0.
7	27.00	0.407	50.00	99.18	1279.640	99.05	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 11:20:14 AM
 Printed by: wet

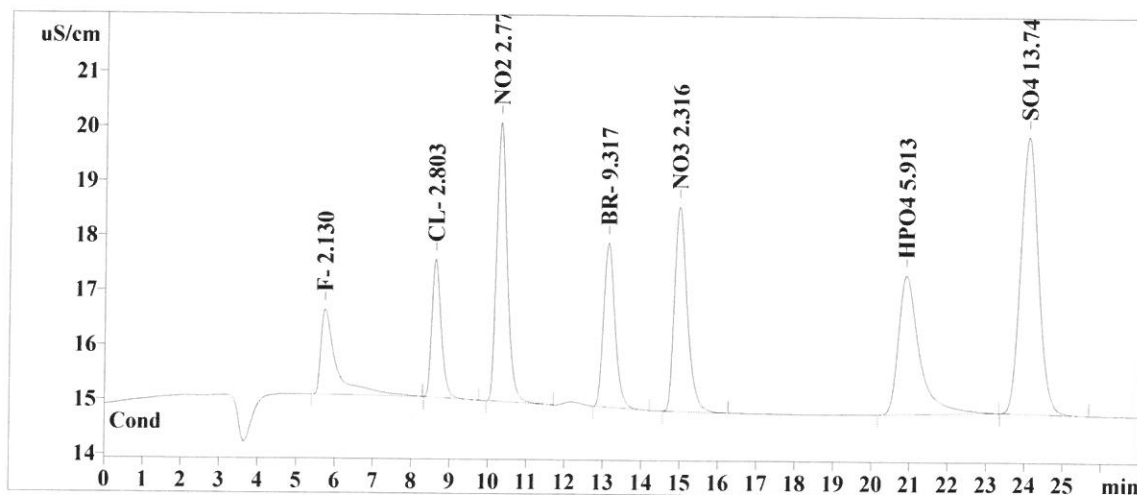
Ident: CCV
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 File: _2018-08-17_

Last save: 8/17/2018 3:55:38 PM

Method: ANIONS 08-08-18.mtw
 Run operator: wet
 Analysis number: 63556

Last save: 8/14/2018 2:31:08 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	5.73	0.330	1.56	6.63	44.336	7.42	0.
2	8.61	0.257	2.52	10.72	42.811	7.16	0.
3	10.29	0.290	5.10	21.68	98.160	16.42	0.
4	13.12	0.322	3.00	12.75	63.066	10.55	0.
5	14.97	0.360	3.74	15.91	88.855	14.87	0.
6	20.89	0.530	2.53	10.78	97.605	16.33	0.
7	24.07	0.494	5.06	21.52	162.901	27.25	0.
7	27.00	0.369	23.51	99.99	597.734	100.00	0.

This report has been created by IC Net
 METROHM LTD

Report date: 8/20/2018 11:20:42 AM
Printed by: wet

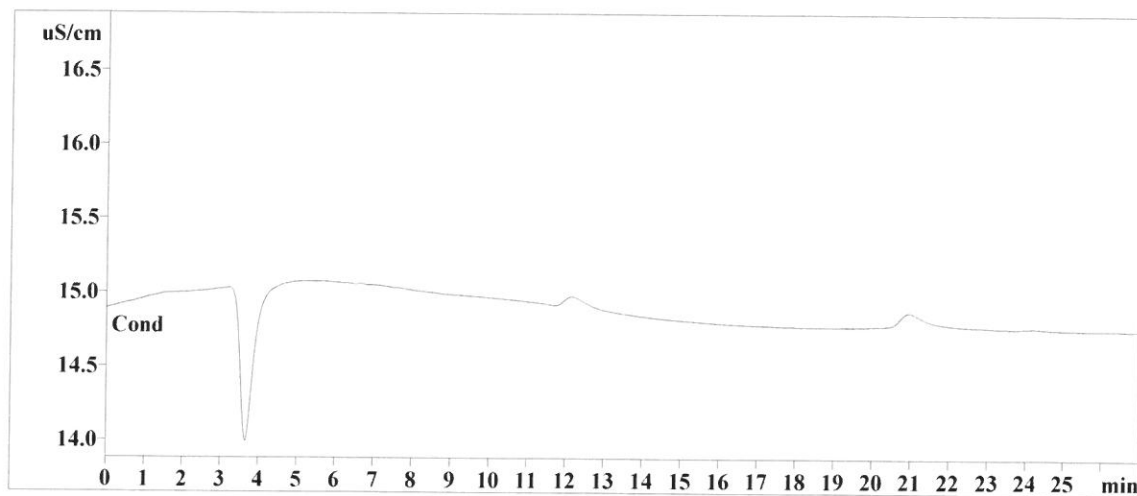
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Analysis from: 8/17/2018 3:58:43 PM
File: _2018-08-17_

Last save: 8/20/2018 11:20:38 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63557

Last save: 8/14/2018 2:31:08 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: 8/20/2018 11:21:32 AM
Printed by: wet

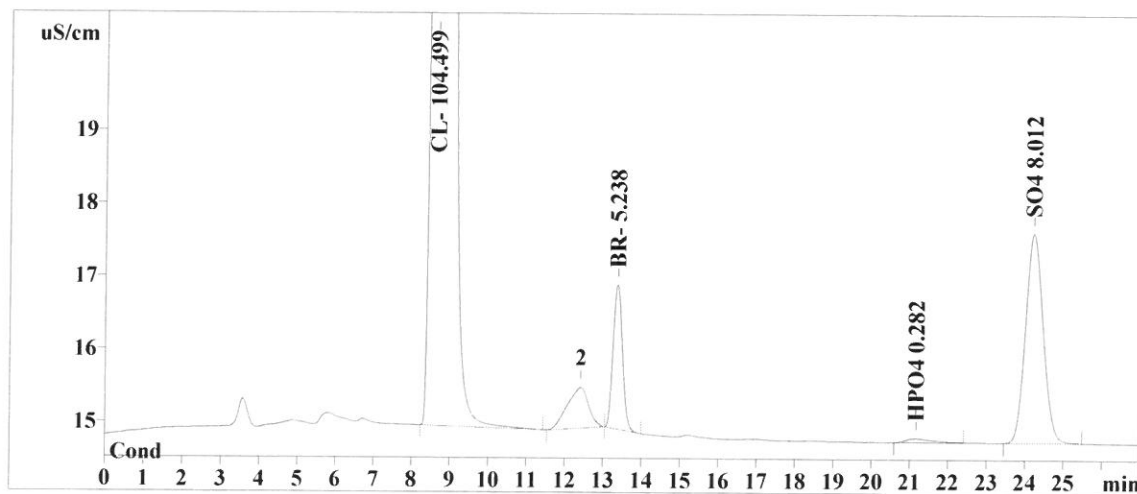
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Analysis from: 8/17/2018 4:58:36 PM
File: _2018-08-17_

Last save: 8/20/2018 11:21:32 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63558

Last save: 8/14/2018 2:31:08 PM

SAMPLE:
: AK/AP
Vial number: 26
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	8.65	0.381	68.79	92.65	1652.453	91.71	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.36	0.269	1.98	2.66	33.855	1.88	0.
5	0.00	0.000	0.00	0.00	0.000	0.00	0.
6	21.17	0.752	0.05	0.07	2.632	0.15	0.
7	24.20	0.493	2.87	3.86	91.218	5.06	0.
7	27.00	0.271	73.69	99.24	1780.157	98.80	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 11:21:47 AM
Printed by: wet

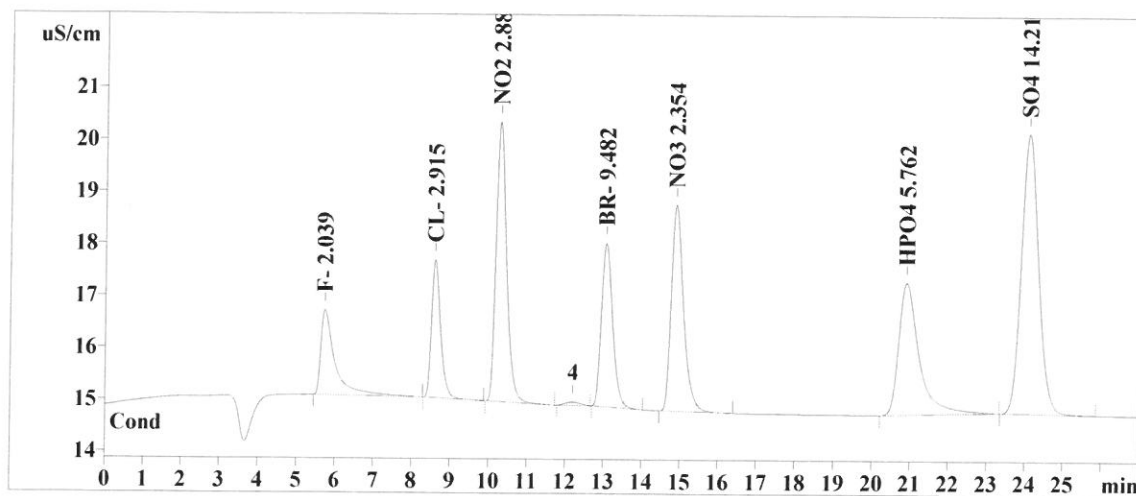
Ident: CCV
Analysis from: 8/17/2018 5:28:31 PM
File: _2018-08-17_

Last save: 8/17/2018 5:55:20 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63559

Last save: 8/14/2018 2:31:08 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	5.73	0.328	1.63	6.57	42.295	6.94	0.
2	8.59	0.253	2.65	10.71	44.583	7.31	0.
3	10.27	0.286	5.37	21.71	102.211	16.77	0.
4	13.05	0.314	3.14	12.70	64.248	10.54	0.
5	14.88	0.344	3.96	16.02	90.420	14.83	0.
6	20.89	0.514	2.54	10.26	95.061	15.60	0.
7	24.08	0.481	5.38	21.75	168.868	27.71	0.
7	27.00	0.360	24.68	99.73	607.686	99.70	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 11:22:06 AM
Printed by: wet

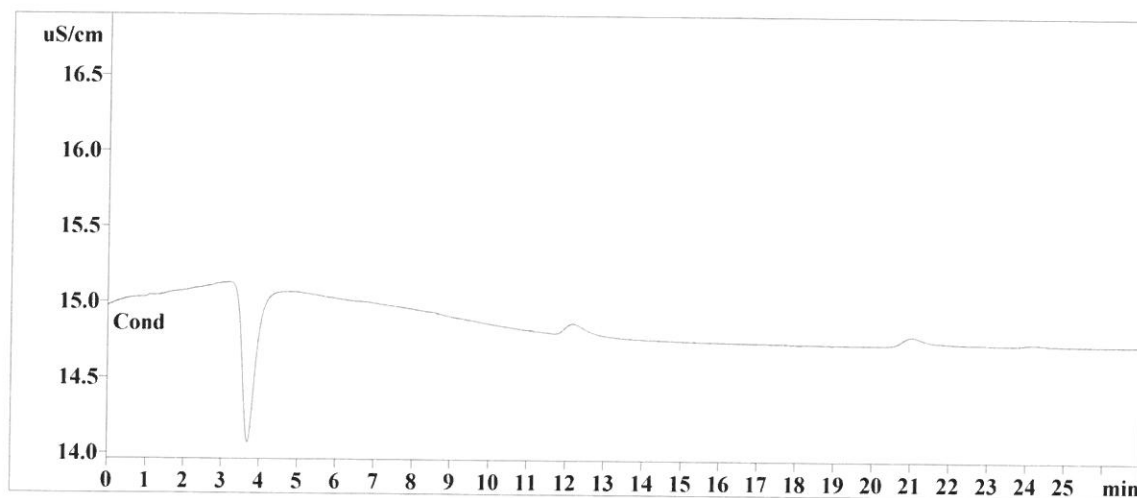
Ident: CCB
Analysis from: 8/17/2018 5:58:26 PM
File: _2018-08-17_

Last save: 8/20/2018 11:22:08 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63560

Last save: 8/14/2018 2:31:08 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: 8/20/2018 11:24:35 AM
Printed by: wet

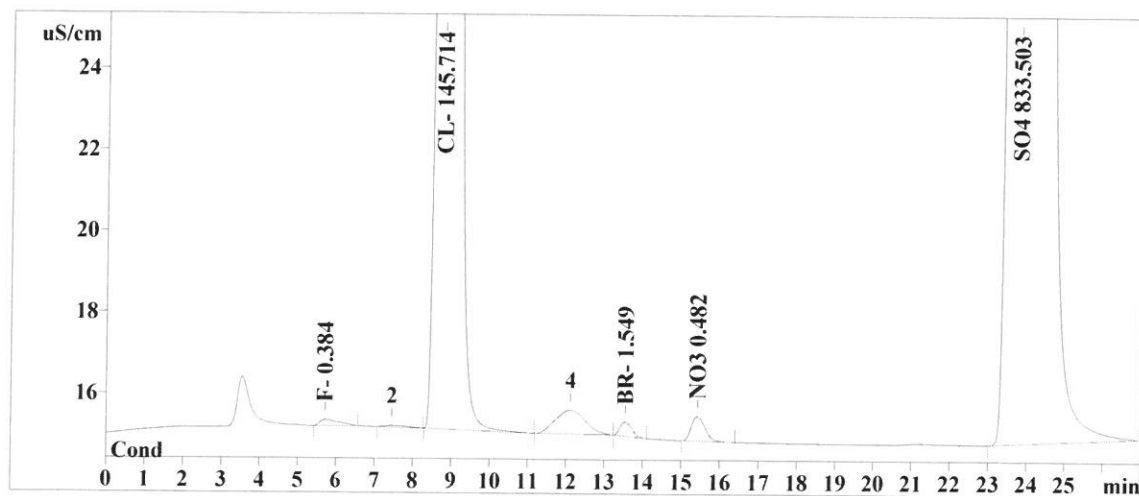
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Analysis from: 8/17/2018 8:01:06 PM
File: _2018-08-17_

Last save: 8/17/2018 8:27:56 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63563

Last save: 8/14/2018 2:31:08 PM

SAMPLE:
: AK/AP
Vial number: 27
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	5.71	0.596	0.16	0.05	5.421	0.04	0.
2	8.78	0.451	82.67	24.89	2304.809	18.02	0.
3	0.00	0.000	0.00	0.00	0.000	0.00	0.
4	13.55	0.346	0.35	0.10	7.435	0.06	0.
5	15.42	0.382	0.60	0.18	14.732	0.12	0.
6	0.00	0.000	0.00	0.00	0.000	0.00	0.
7	23.80	0.673	247.79	74.59	10421.253	81.49	0.
7	27.00	0.350	331.57	99.81	12753.651	99.73	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 11:24:49 AM
Printed by: wet

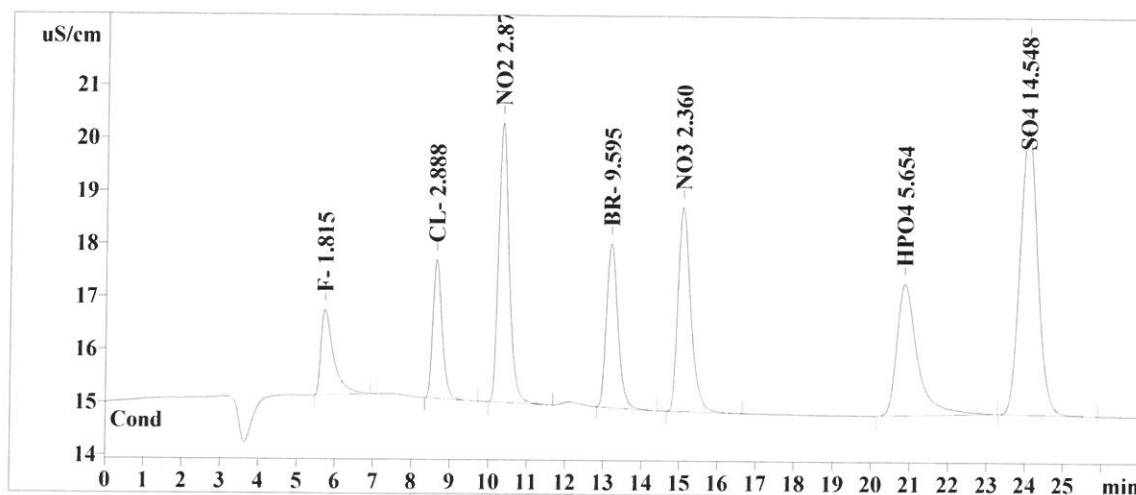
Ident: CCV
Analysis from: 8/17/2018 8:31:01 PM
File: _2018-08-17_

Last save: 8/17/2018 8:57:50 PM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63564

Last save: 8/14/2018 2:31:08 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	5.72	0.324	1.61	6.62	37.307	6.17	0.
2	8.63	0.255	2.62	10.77	44.161	7.30	0.
3	10.33	0.290	5.28	21.68	101.603	16.79	0.
4	13.18	0.320	3.10	12.72	65.052	10.75	0.
5	15.06	0.353	3.86	15.85	90.638	14.98	0.
6	20.85	0.516	2.49	10.23	93.227	15.41	0.
7	24.03	0.492	5.39	22.12	173.018	28.60	0.
7	27.00	0.364	24.36	99.99	605.007	100.00	0.

This report has been created by IC Net
METROHM LTD

Report date: 8/20/2018 11:25:10 AM
Printed by: wet

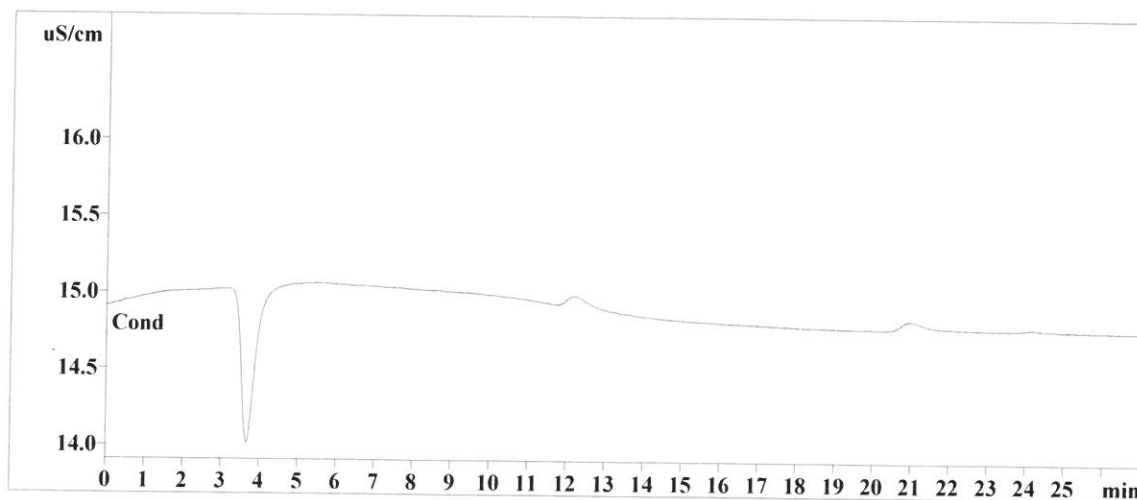
Ident: CCB
Analysis from: 8/17/2018 9:00:56 PM
File: _2018-08-17_

Last save: 8/20/2018 11:25:08 AM

Method: ANIONS 08-08-18.mtw
Run operator: wet
Analysis number: 63565

Last save: 8/14/2018 2:31:08 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