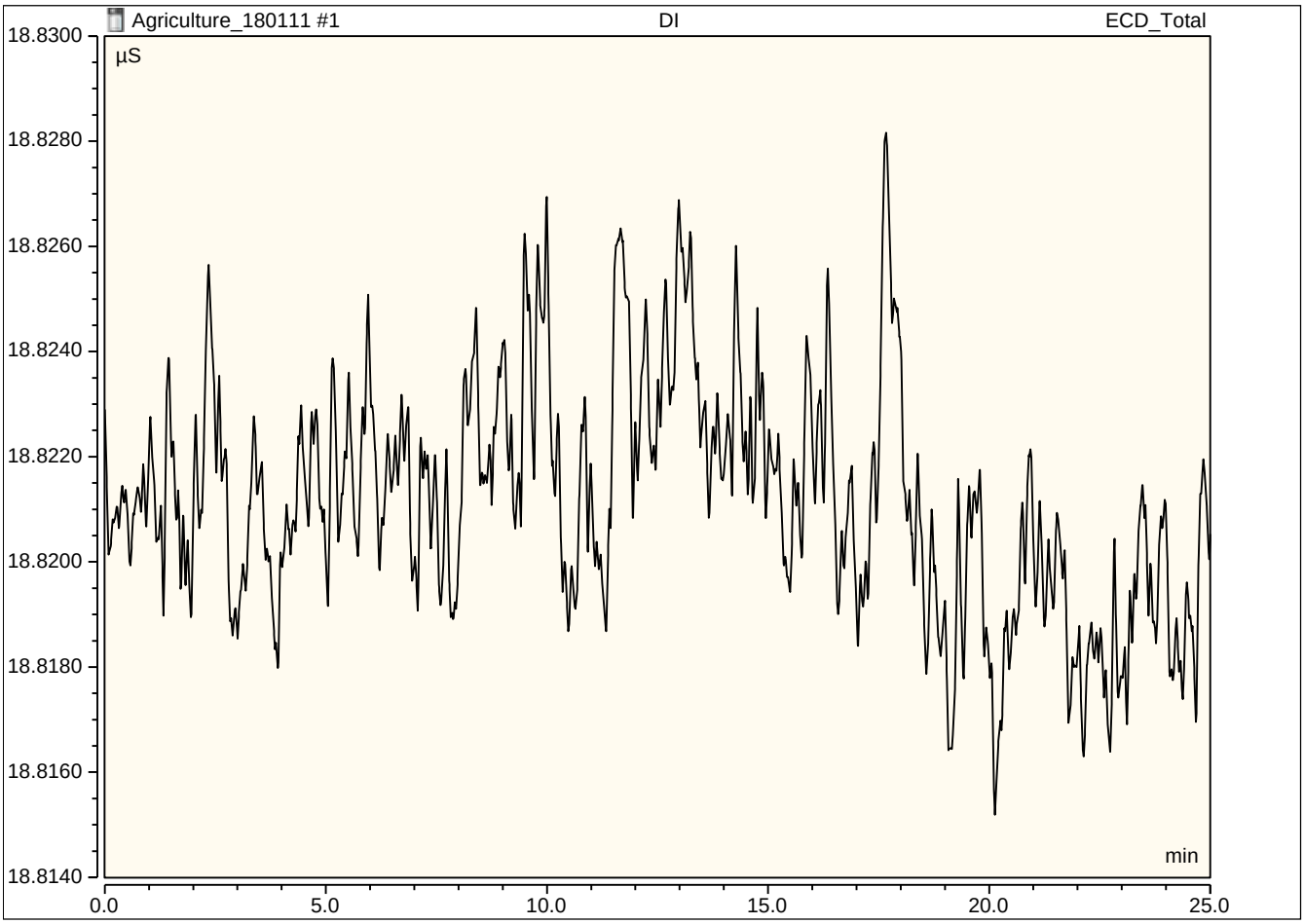
Peak Integration Report

Sample Name:	**DI**	*Inj. Vol.:*	**25.00**
Injection Type:	**Blank**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 14:19**	*Run Time:*	**25.00**

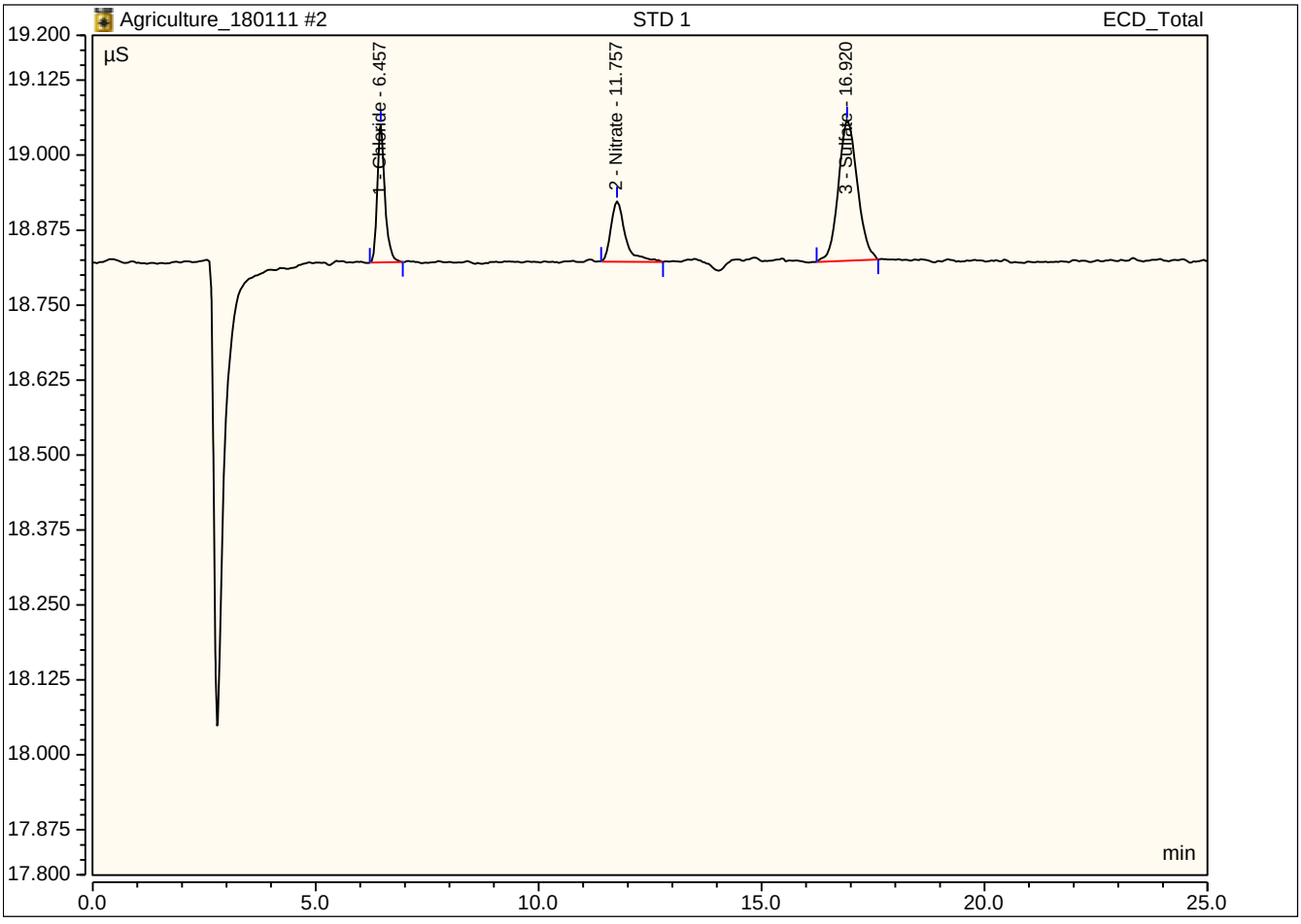
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**STD 1**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 14:45**	*Run Time:*	**25.00**

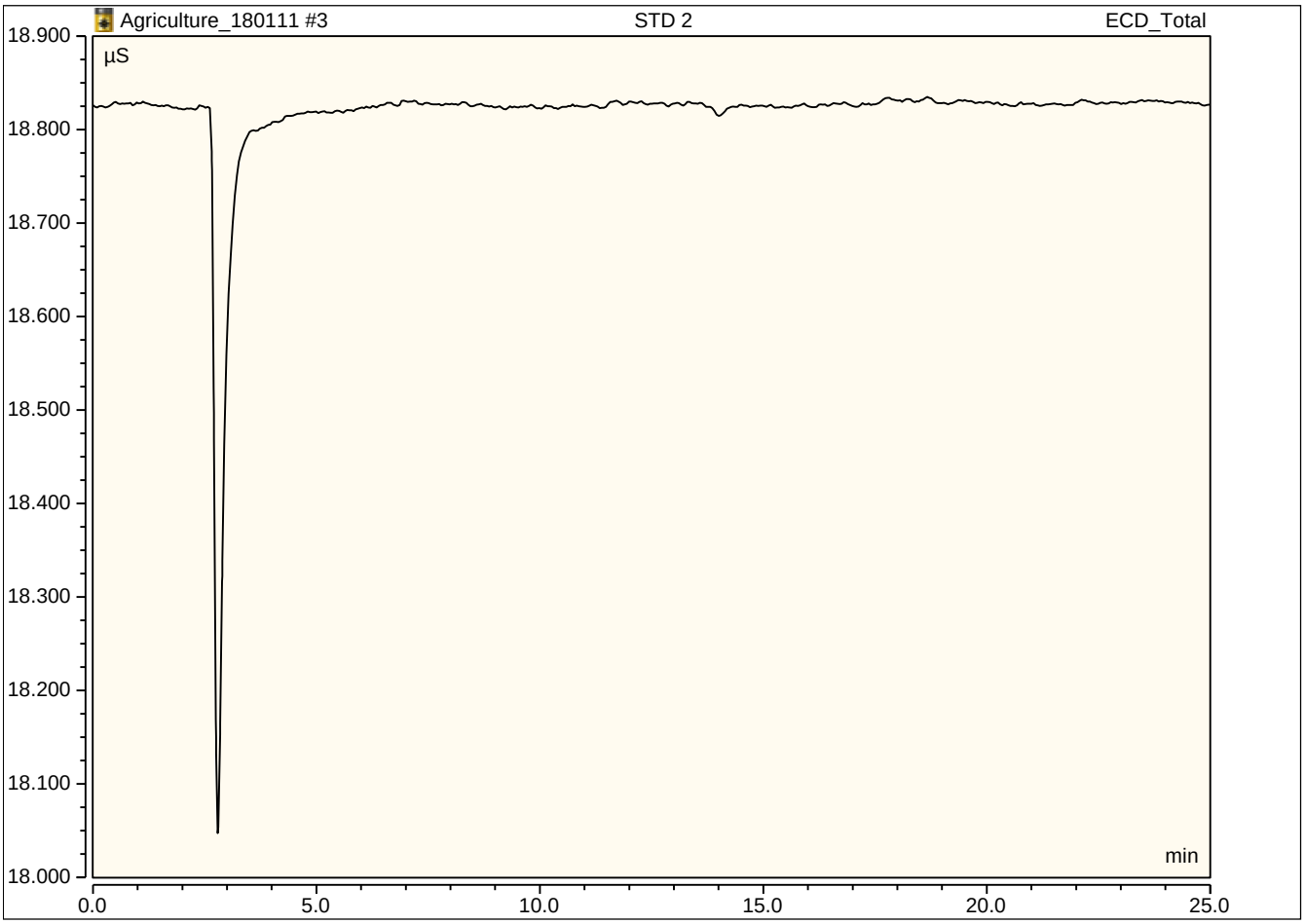
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.46	**Chloride**	M	0.045	0.229	0.5520
2	11.76	**Nitrate**	M	0.038	0.100	0.3232
3	16.92	**Sulfate**	M	0.116	0.233	2.2275
TOTAL:				0.20	0.56	3.10



Peak Integration Report

Sample Name:	**STD 2**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 15:12**	*Run Time:*	**25.00**

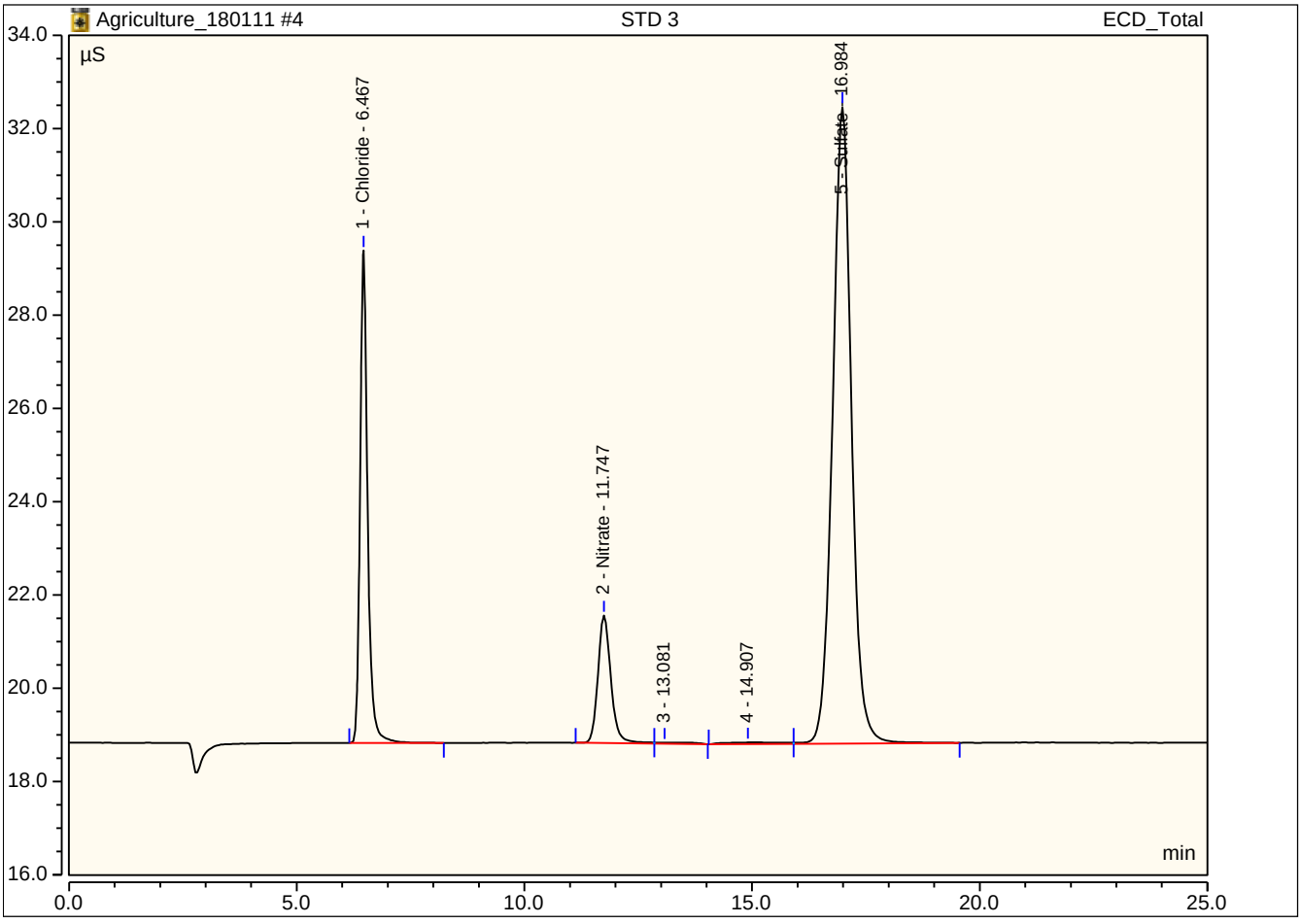
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**STD 3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 15:39**	*Run Time:*	**25.00**

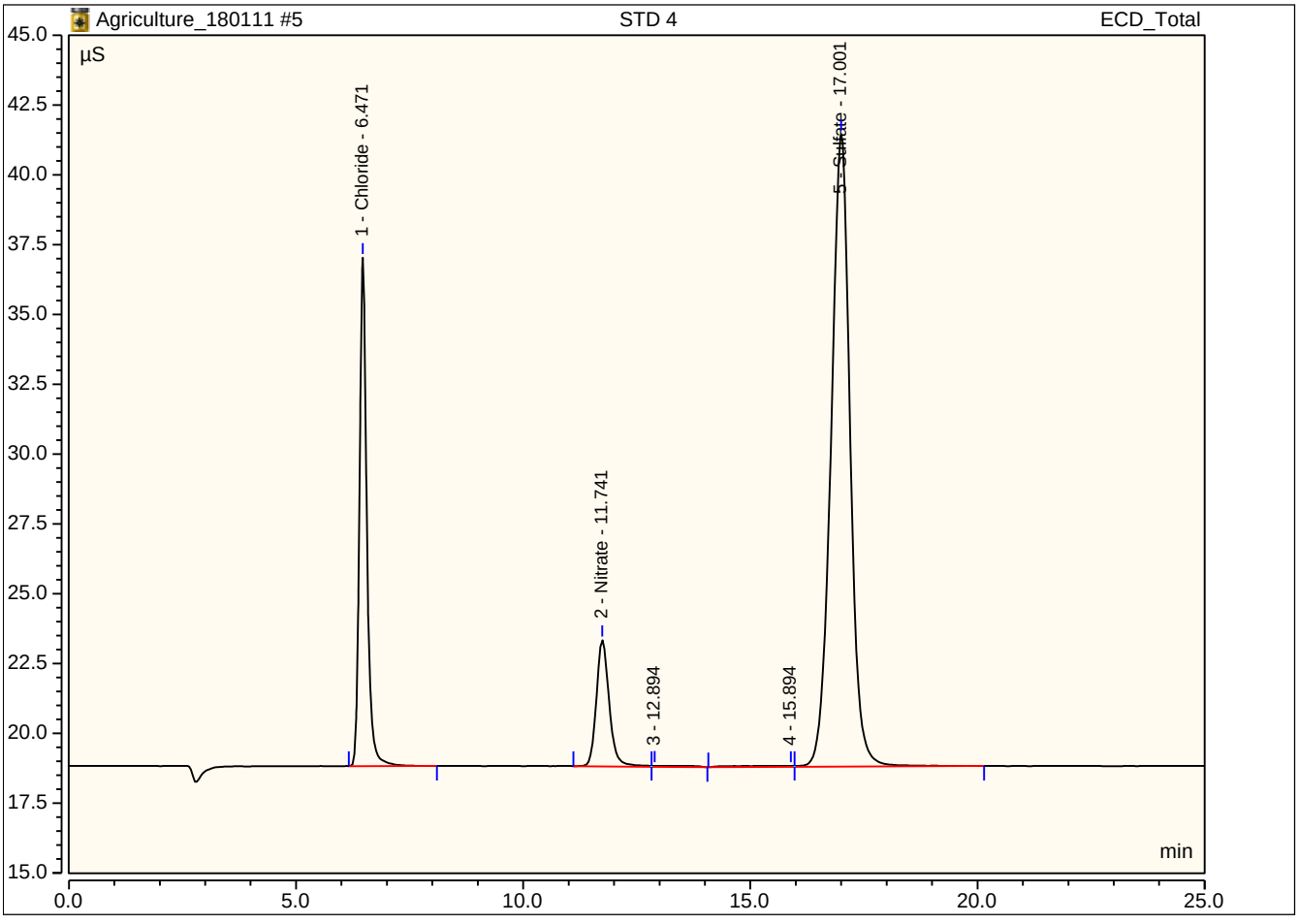
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.47	**Chloride**	M	2.019	10.556	11.7072
2	11.75	**Nitrate**	M	0.908	2.736	9.8419
5	16.98	**Sulfate**	M	6.531	13.649	47.1283
TOTAL:				9.46	26.94	68.68



Peak Integration Report

Sample Name:	**STD 4**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 16:05**	*Run Time:*	**25.00**

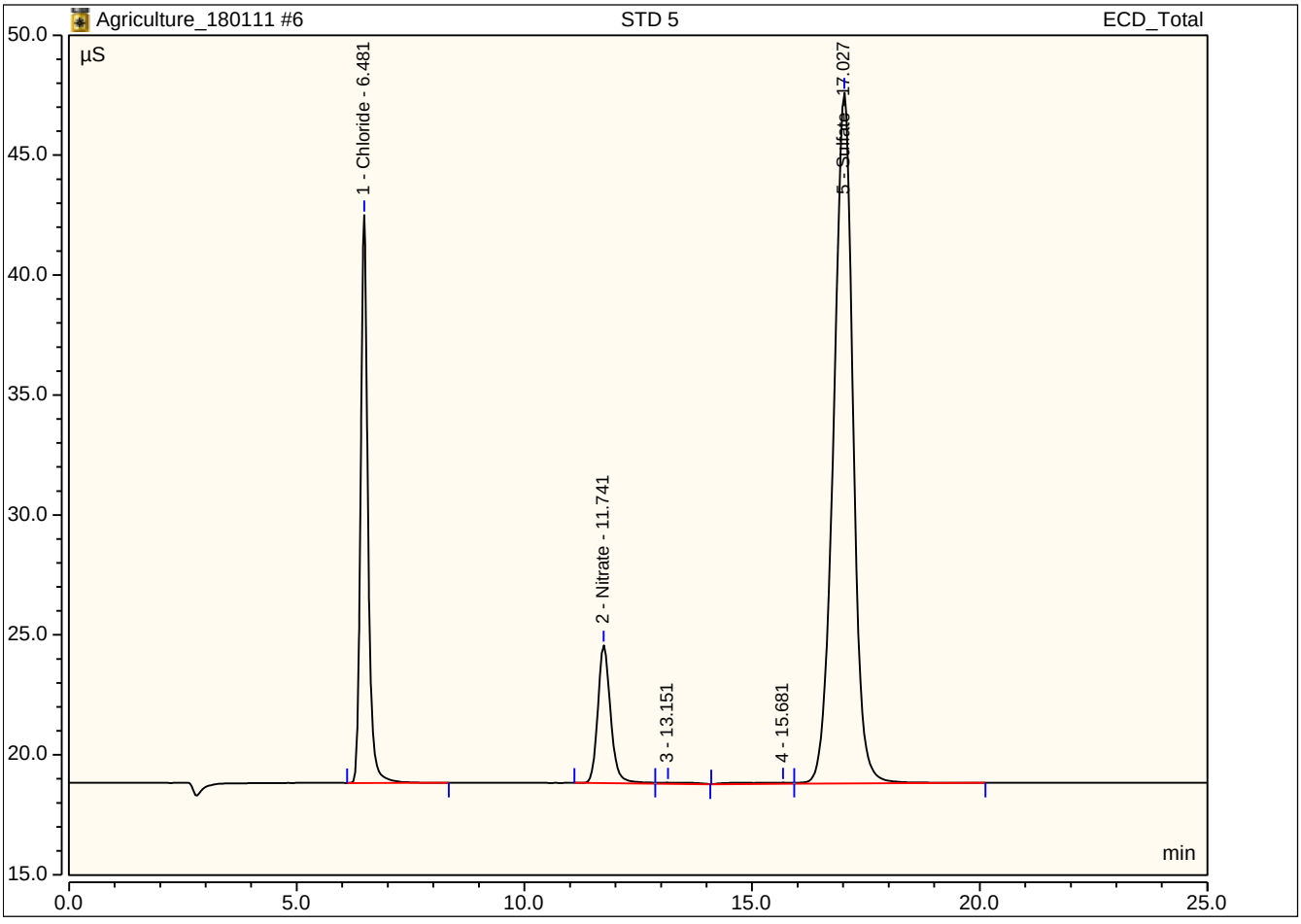
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.47	**Chloride**	M	3.403	18.205	19.5306
2	11.74	**Nitrate**	M	1.482	4.521	16.1151
5	17.00	**Sulfate**	M	11.012	22.647	78.4841
TOTAL:				15.90	45.37	114.13



Peak Integration Report

Sample Name:	**STD 5**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 16:32**	*Run Time:*	**25.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.48	**Chloride**	M	4.388	23.669	25.0964
2	11.74	**Nitrate**	M	1.878	5.744	20.4417
5	17.03	**Sulfate**	M	14.234	28.804	101.0384
TOTAL:				20.50	58.22	146.58



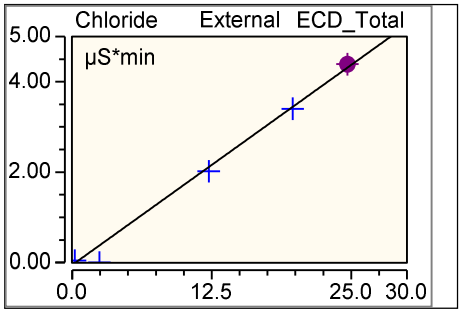
Calibration Batch Report

Sequence:	**Agriculture_180111**	*Injection Volume:*	**25.00**
Instrument Method:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 16:32**	*Run Time:*	**25.0005**

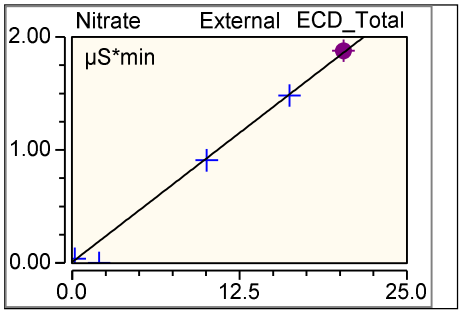
Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Chloride	Area	in, WithOffse	4.000	-0.052	0.177	0.000	99.8207
Nitrate	Area	in, WithOffse	4.000	0.009	0.091	0.000	99.9548
Sulfate	Area	in, WithOffse	4.000	-0.203	0.143	0.000	99.8149
		AVERAGE:		-0.0821	0.1371	0.0000	99.8635

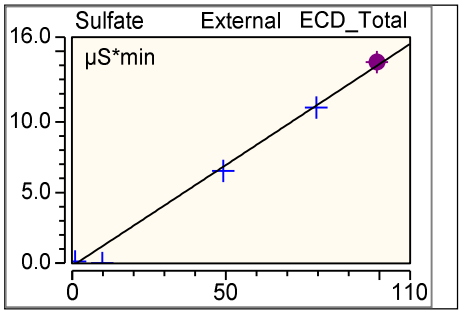
Injection Name	Ret.Time min ECD_Total	Area µS*min ECD_Total	Height µS ECD_Total	Amount ECD_Total
	Chloride	Chloride	Chloride	Chloride
STD 1	6.457	0.0452	0.229	0.552
STD 2	n.a.	n.a.	n.a.	n.a.
STD 3	6.467	2.0187	10.556	11.707
STD 4	6.471	3.4028	18.205	19.531
STD 5	6.481	4.3875	23.669	25.096
Average	6.469			
Rel. Std. Dev.	0.150 %			



Injection Name	Ret.Time min ECD_Total	Area µS*min ECD_Total	Height µS ECD_Total	Amount ECD_Total
	Nitrate	Nitrate	Nitrate	Nitrate
STD 1	11.757	0.0382	0.100	0.323
STD 2	n.a.	n.a.	n.a.	n.a.
STD 3	11.747	0.9084	2.736	9.842
STD 4	11.741	1.4820	4.521	16.115
STD 5	11.741	1.8775	5.744	20.442
Average	11.746			
Rel. Std. Dev.	0.066 %			



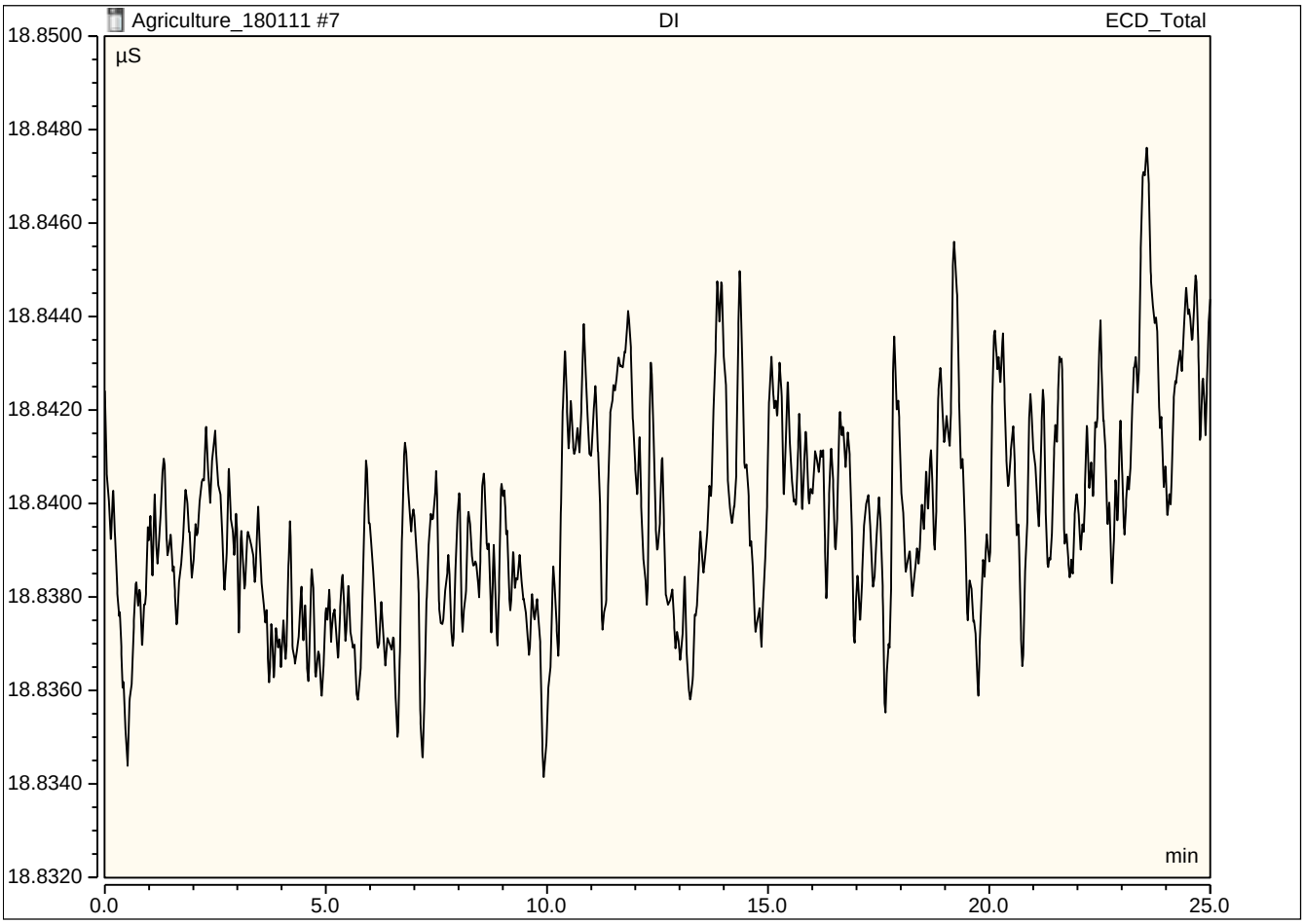
Injection Name	Ret.Time min ECD_Total	Area µS*min ECD_Total	Height µS ECD_Total	Amount ECD_Total
	Sulfate	Sulfate	Sulfate	Sulfate
STD 1	16.920	0.1157	0.233	2.228
STD 2	n.a.	n.a.	n.a.	n.a.
STD 3	16.984	6.5314	13.649	47.128
STD 4	17.001	11.0116	22.647	78.484
STD 5	17.027	14.2342	28.804	101.038
Average	16.983			
Rel. Std. Dev.	0.267 %			



Peak Integration Report

Sample Name:	**DI**	*Inj. Vol.:*	**25.00**
Injection Type:	**Blank**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 16:59**	*Run Time:*	**25.00**

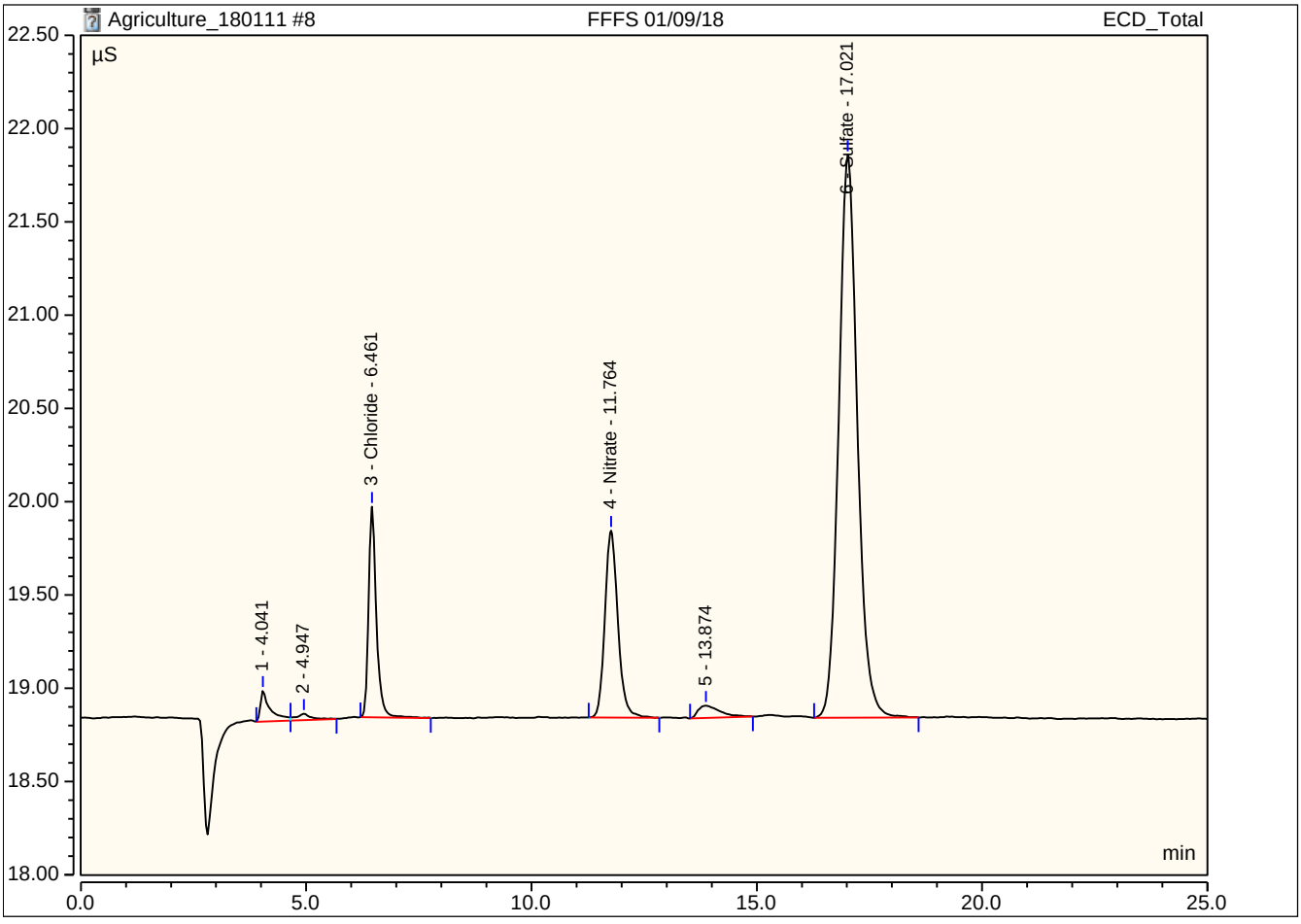
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**FFFS 01/09/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 17:26**	*Run Time:*	**25.00**

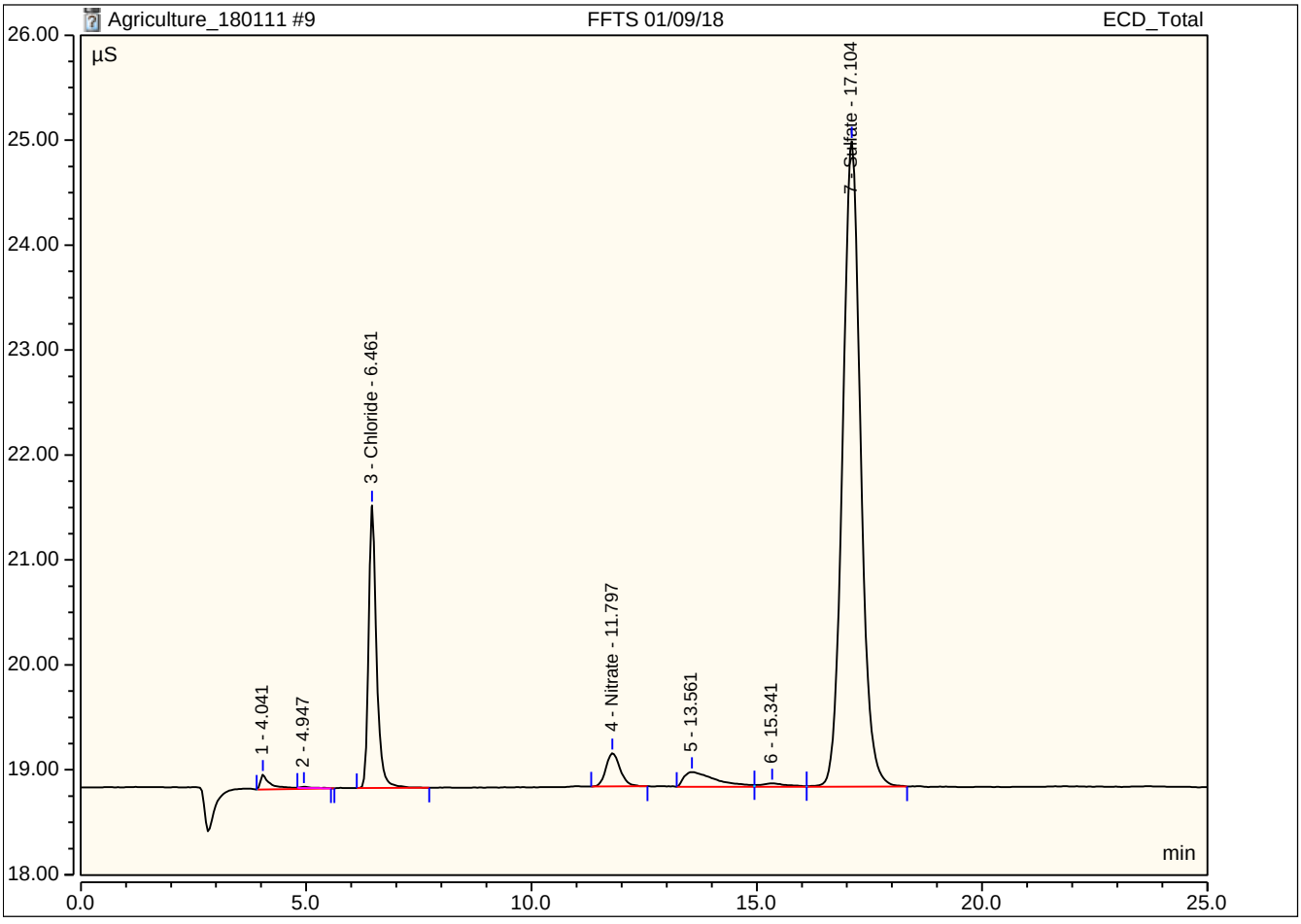
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.227	1.130	1.5791
4	11.76	**Nitrate**	M	0.336	1.003	3.5758
6	17.02	**Sulfate**	M	1.454	3.016	11.5933
TOTAL:				2.02	5.15	16.75



Peak Integration Report

Sample Name:	**FFTS 01/09/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 17:52**	*Run Time:*	**25.00**

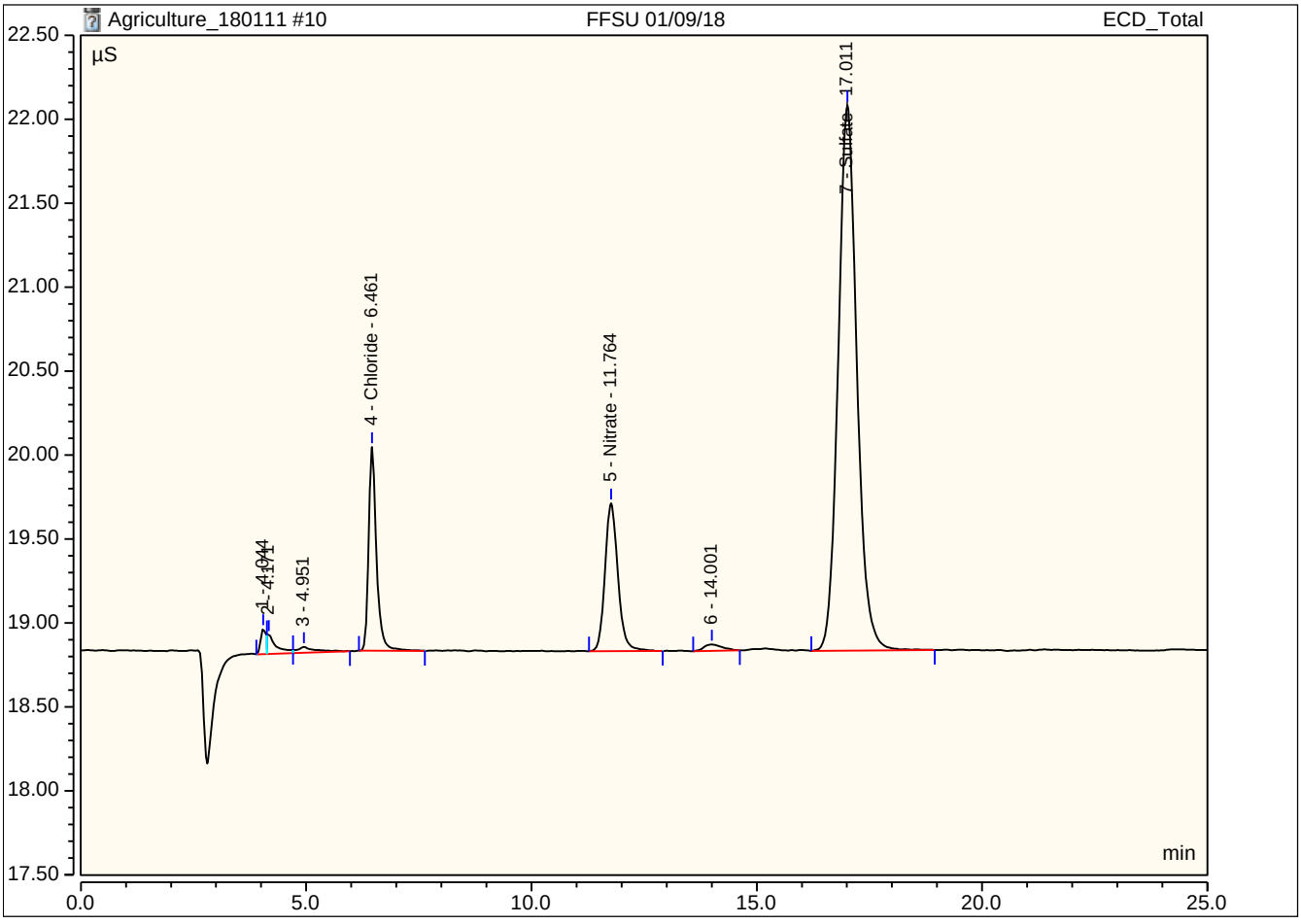
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.549	2.692	3.3997
4	11.80	**Nitrate**	M	0.116	0.317	1.1698
7	17.10	**Sulfate**	M	2.859	6.147	21.4245
TOTAL:				3.52	9.16	25.99



Peak Integration Report

Sample Name:	**FFSU 01/09/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 18:19**	*Run Time:*	**25.00**

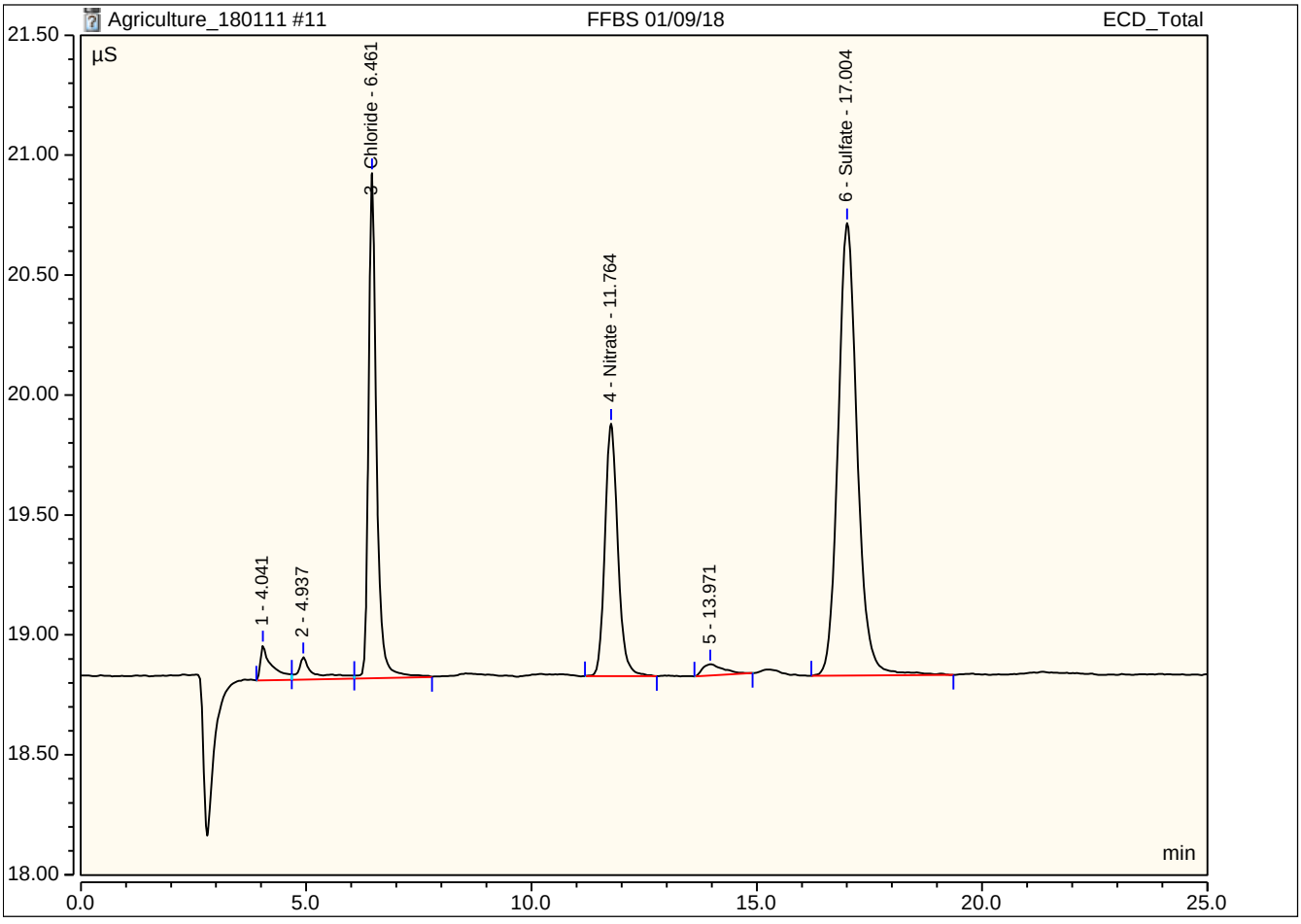
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
4	6.46	**Chloride**	M	0.245	1.214	1.6830
5	11.76	**Nitrate**	M	0.293	0.880	3.1143
7	17.01	**Sulfate**	M	1.566	3.247	12.3798
TOTAL:				2.11	5.34	17.18



Peak Integration Report

Sample Name:	**FFBS 01/09/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 18:46**	*Run Time:*	**25.00**

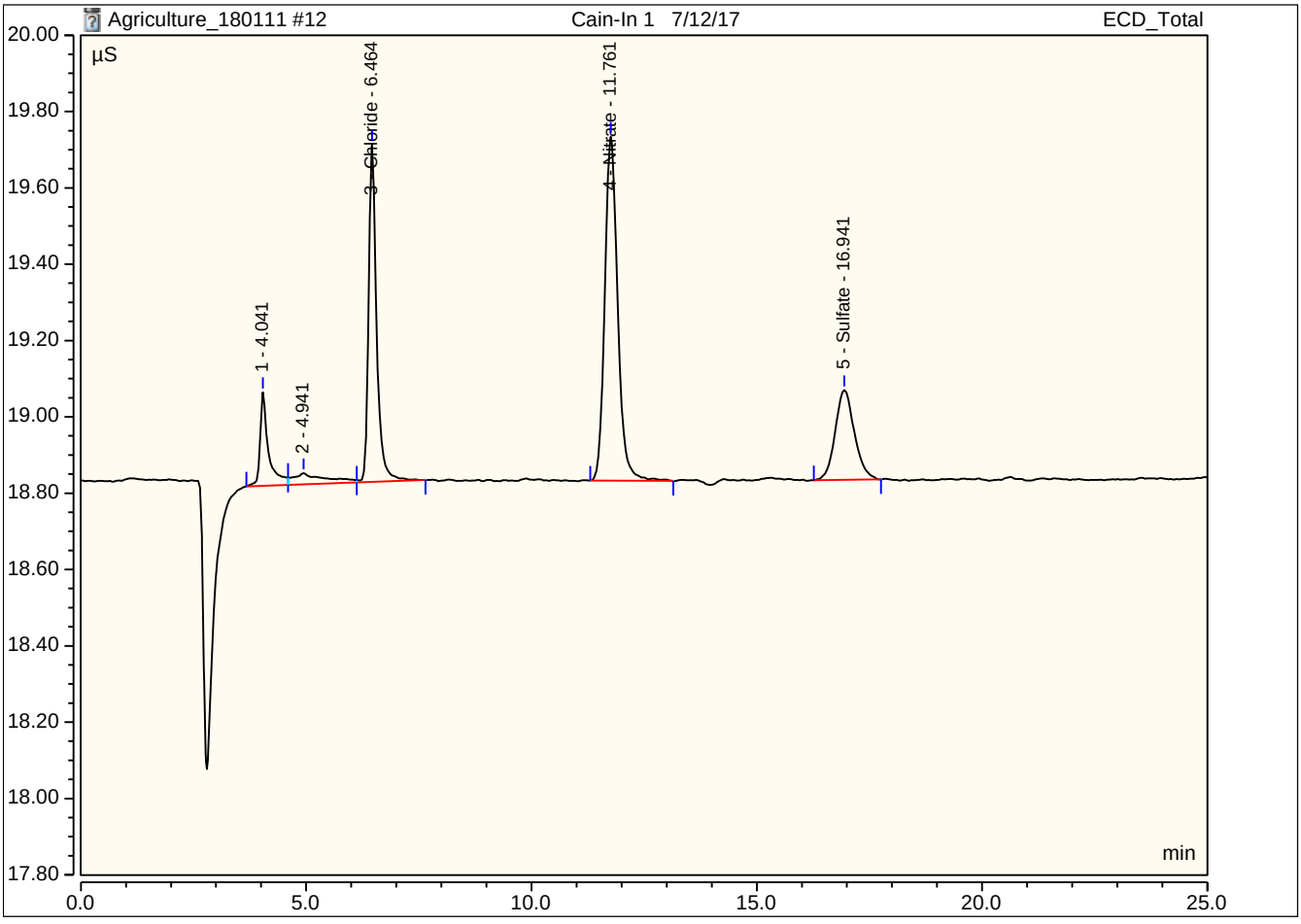
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.432	2.106	2.7407
4	11.76	**Nitrate**	M	0.349	1.053	3.7262
6	17.00	**Sulfate**	M	0.932	1.886	7.9414
TOTAL:				1.71	5.04	14.41



Peak Integration Report

Sample Name:	**Cain-In 1 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 19:13**	*Run Time:*	**25.00**

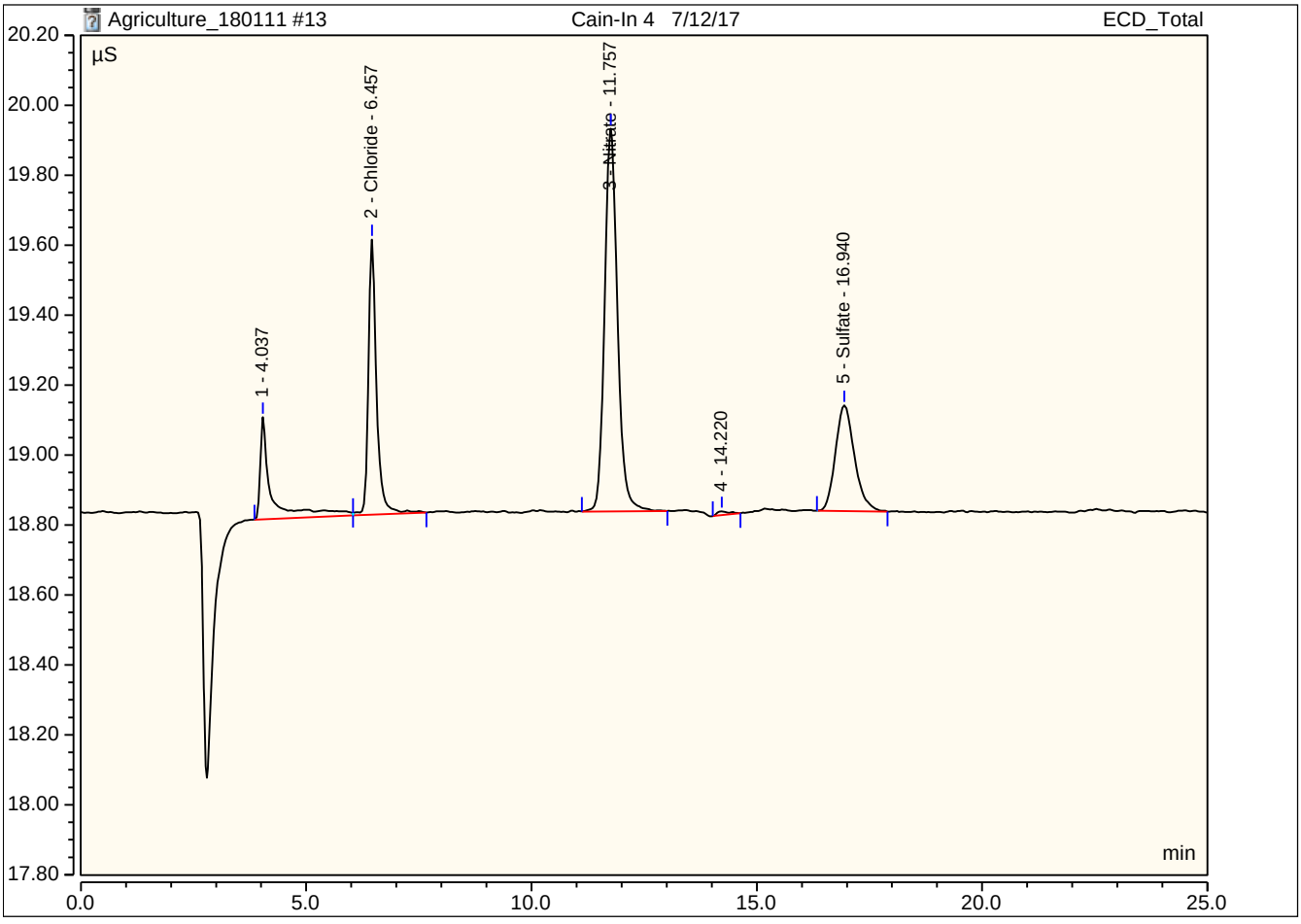
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.182	0.885	1.3264
4	11.76	**Nitrate**	M	0.300	0.902	3.1893
5	16.94	**Sulfate**	M	0.116	0.235	2.2324
TOTAL:				0.60	2.02	6.75



Peak Integration Report

Sample Name:	**Cain-In 4 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 19:39**	*Run Time:*	**25.00**

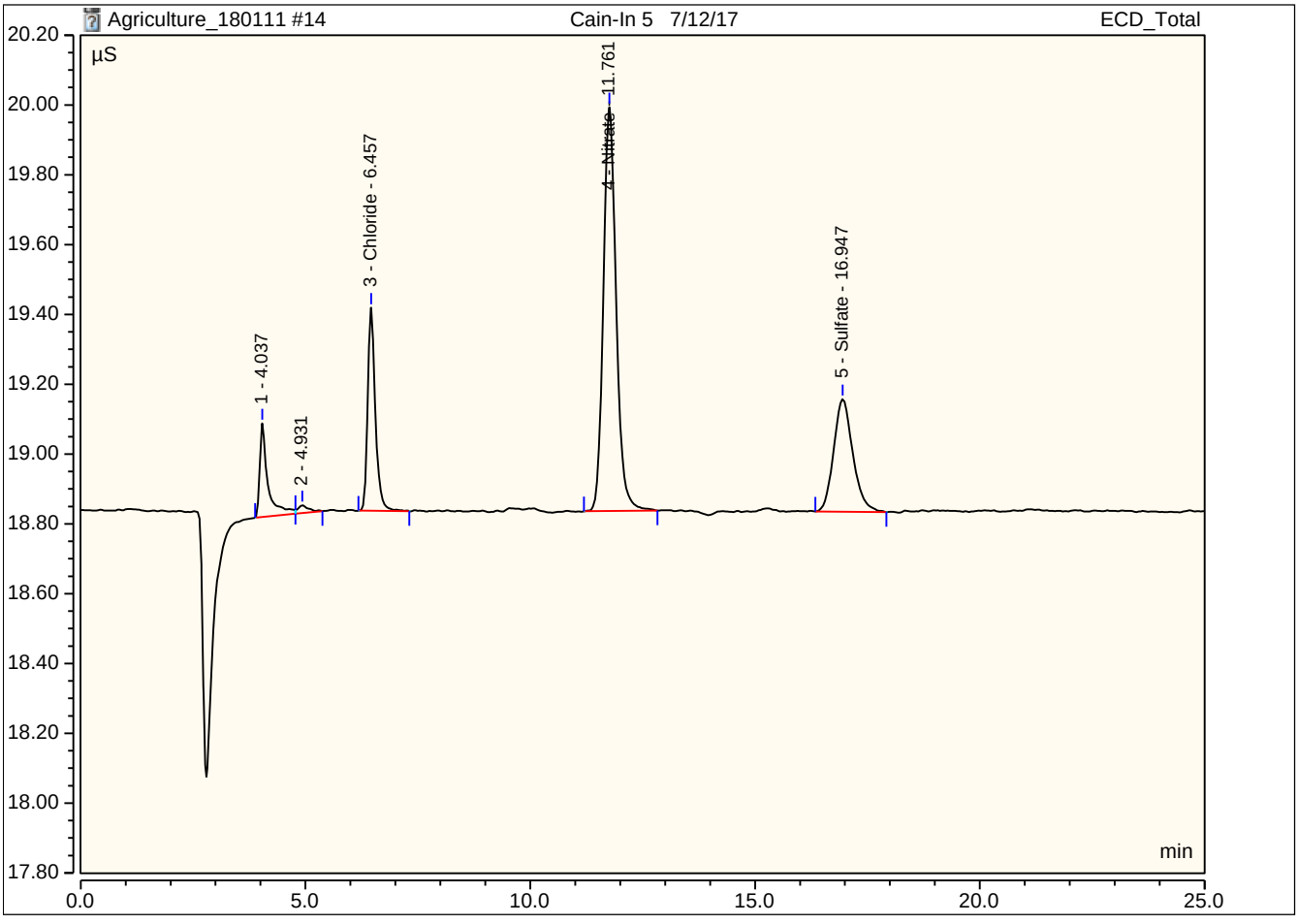
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.165	0.787	1.2316
3	11.76	**Nitrate**	M	0.363	1.094	3.8741
5	16.94	**Sulfate**	M	0.148	0.302	2.4556
TOTAL:				0.68	2.18	7.56



Peak Integration Report

Sample Name:	**Cain-In 5 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 20:06**	*Run Time:*	**25.00**

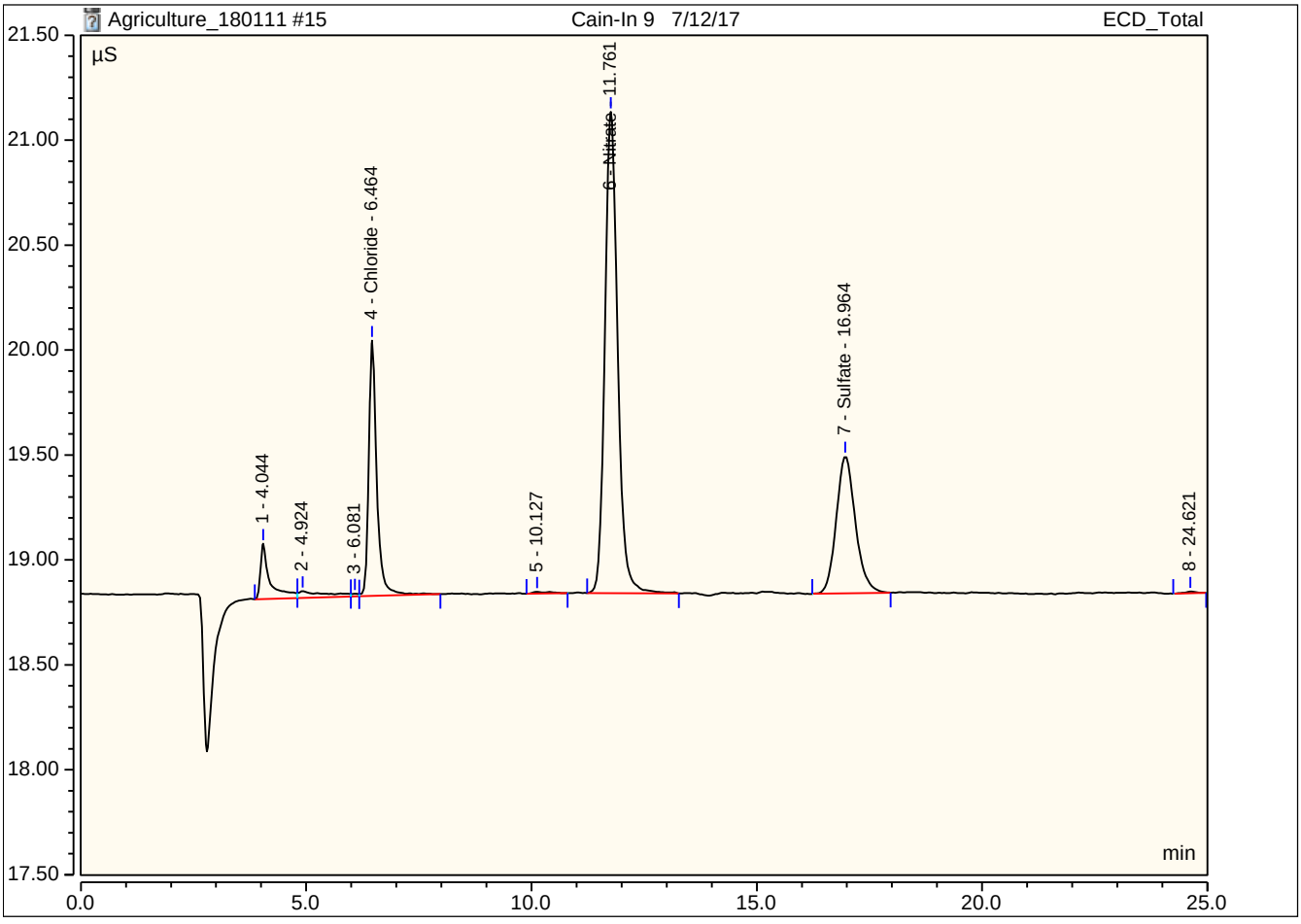
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.115	0.582	0.9466
4	11.76	**Nitrate**	M	0.382	1.157	4.0795
5	16.95	**Sulfate**	M	0.160	0.323	2.5397
TOTAL:				0.66	2.06	7.57



Peak Integration Report

Sample Name:	**Cain-In 9 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 20:33**	*Run Time:*	**25.00**

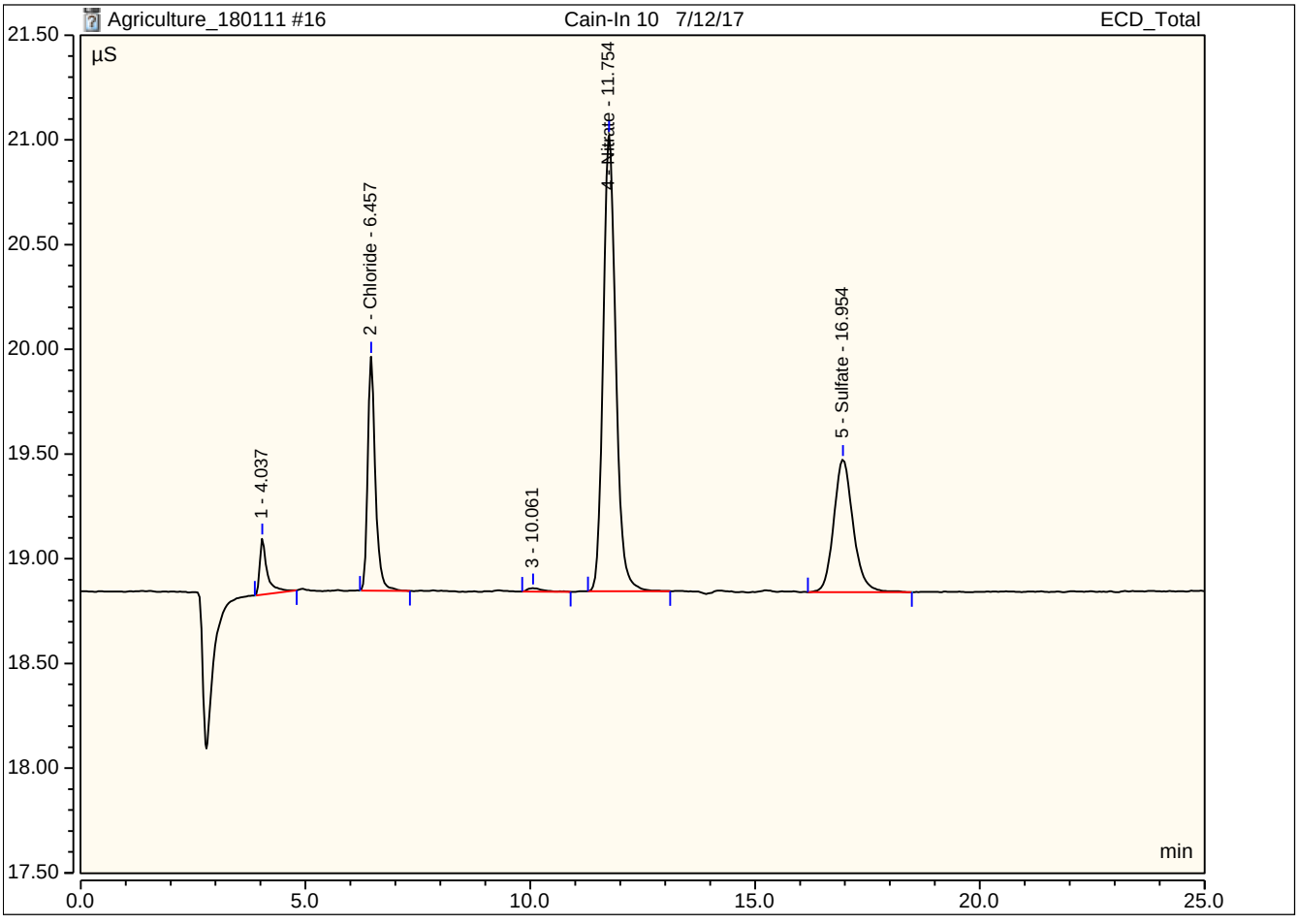
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
4	6.46	**Chloride**	M	0.252	1.216	1.7219
6	11.76	**Nitrate**	M	0.755	2.293	8.1602
7	16.96	**Sulfate**	M	0.322	0.653	3.6726
TOTAL:				1.33	4.16	13.55



Peak Integration Report

Sample Name:	**Cain-In 10 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 21:00**	*Run Time:*	**25.00**

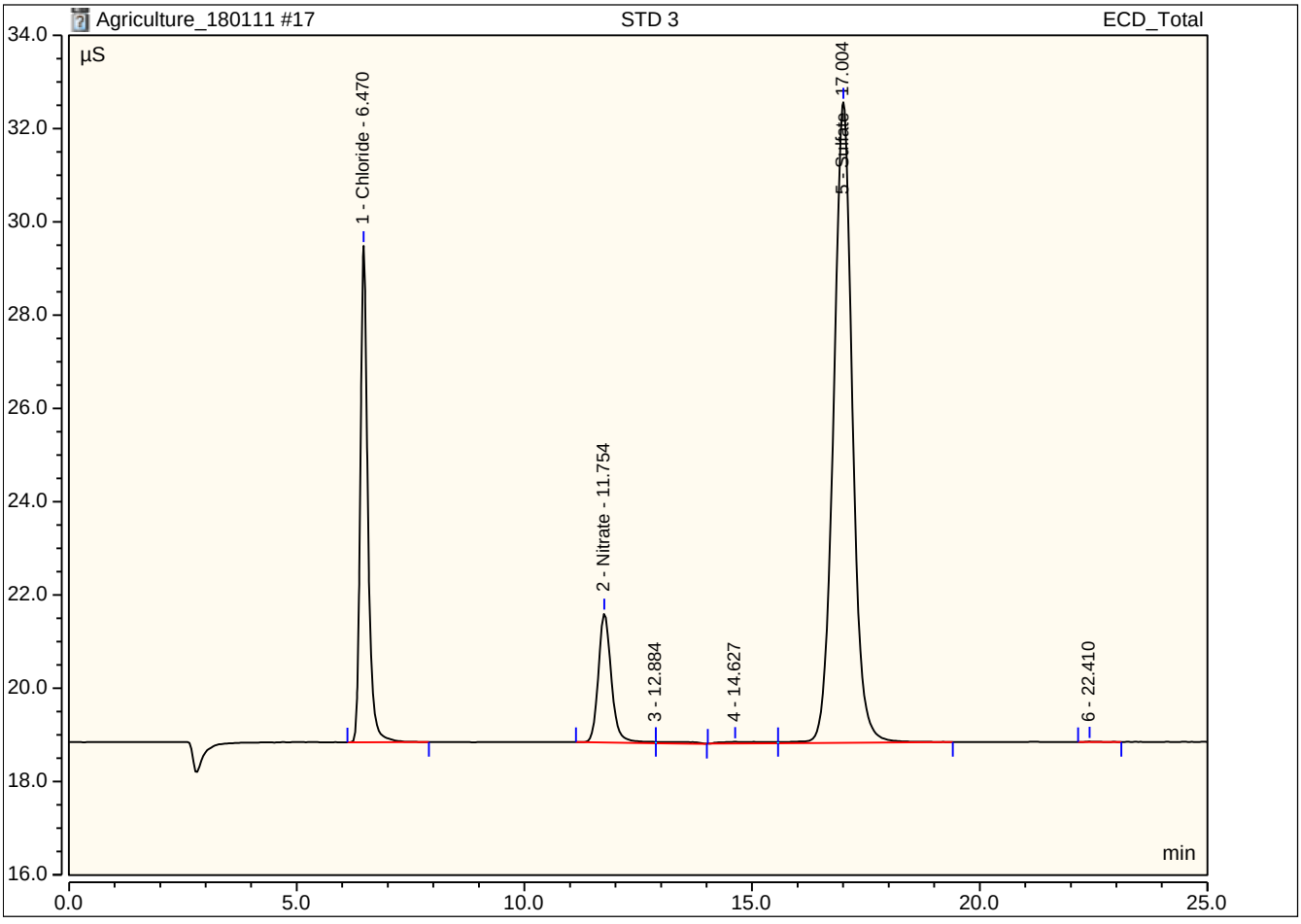
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.221	1.118	1.5434
4	11.75	**Nitrate**	M	0.709	2.177	7.6623
5	16.95	**Sulfate**	M	0.317	0.633	3.6362
TOTAL:				1.25	3.93	12.84



Peak Integration Report

Sample Name:	**STD 3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 21:27**	*Run Time:*	**25.00**

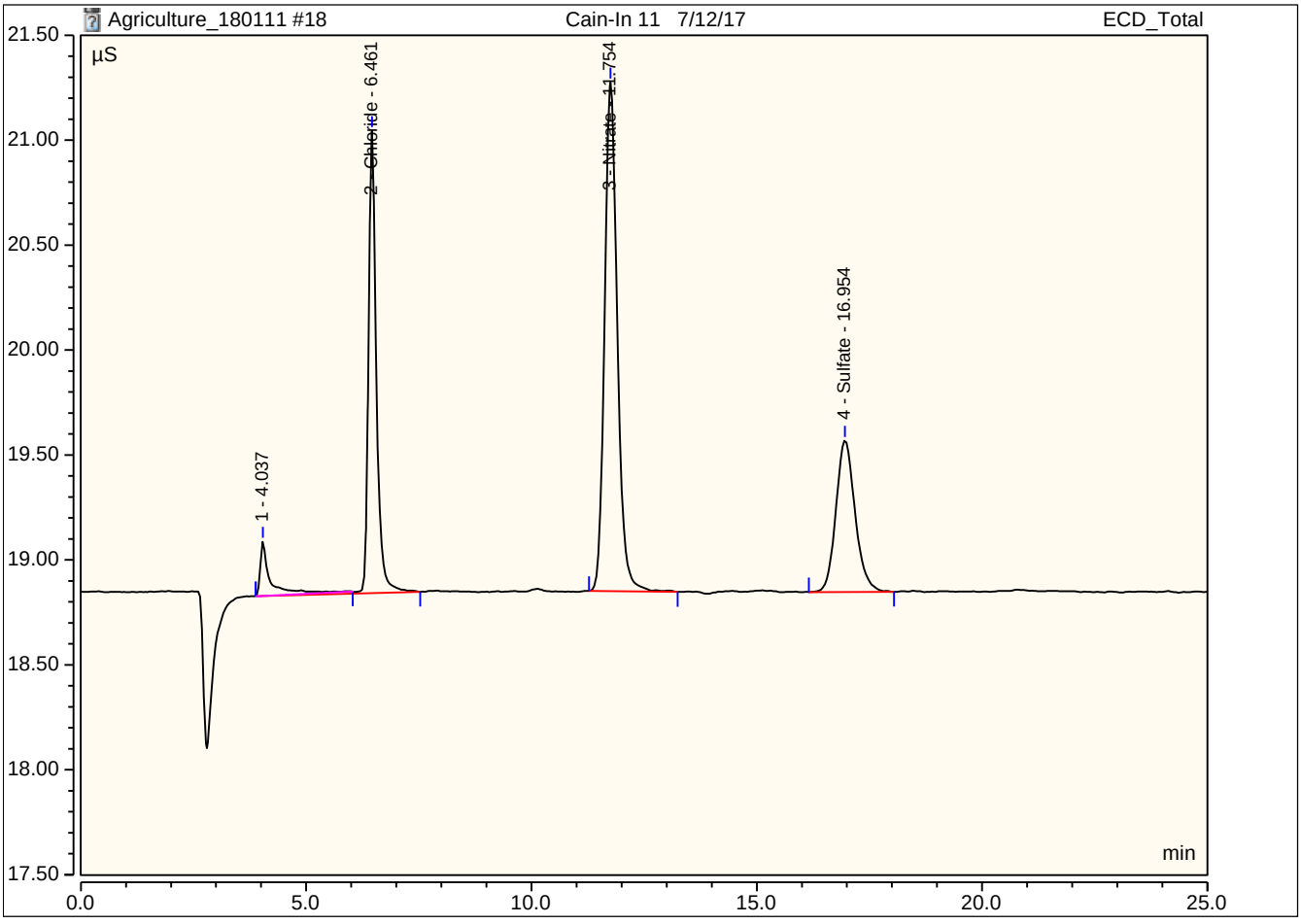
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.47	**Chloride**	M	2.032	10.644	11.7829
2	11.75	**Nitrate**	M	0.920	2.768	9.9720
5	17.00	**Sulfate**	M	6.587	13.728	47.5149
TOTAL:				9.54	27.14	69.27



Peak Integration Report

Sample Name:	**Cain-In 11 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 21:53**	*Run Time:*	**25.00**

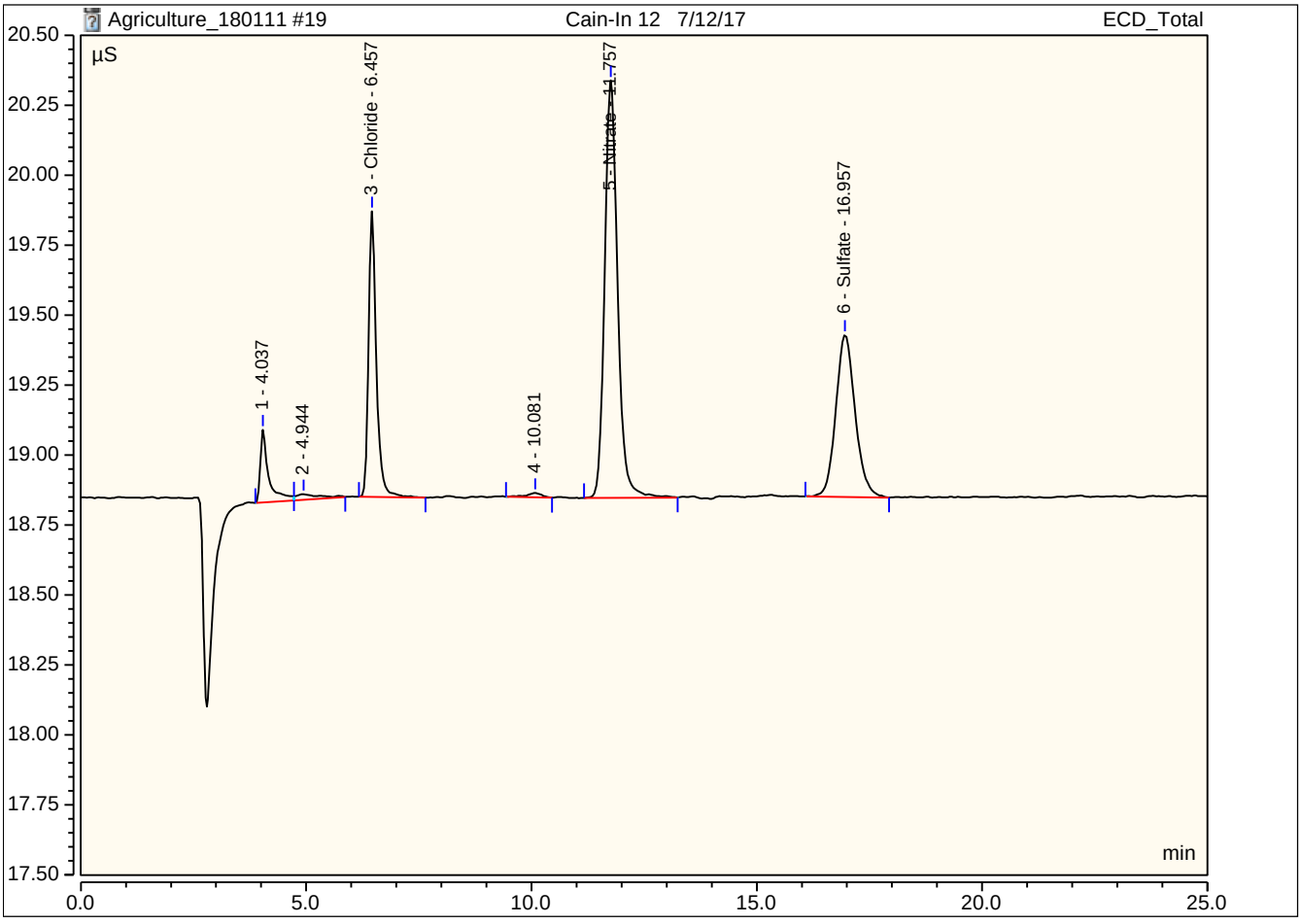
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.456	2.204	2.8743
3	11.75	**Nitrate**	M	0.793	2.424	8.5772
4	16.95	**Sulfate**	M	0.357	0.721	3.9188
TOTAL:				1.61	5.35	15.37



Peak Integration Report

Sample Name:	**Cain-In 12 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 22:20**	*Run Time:*	**25.00**

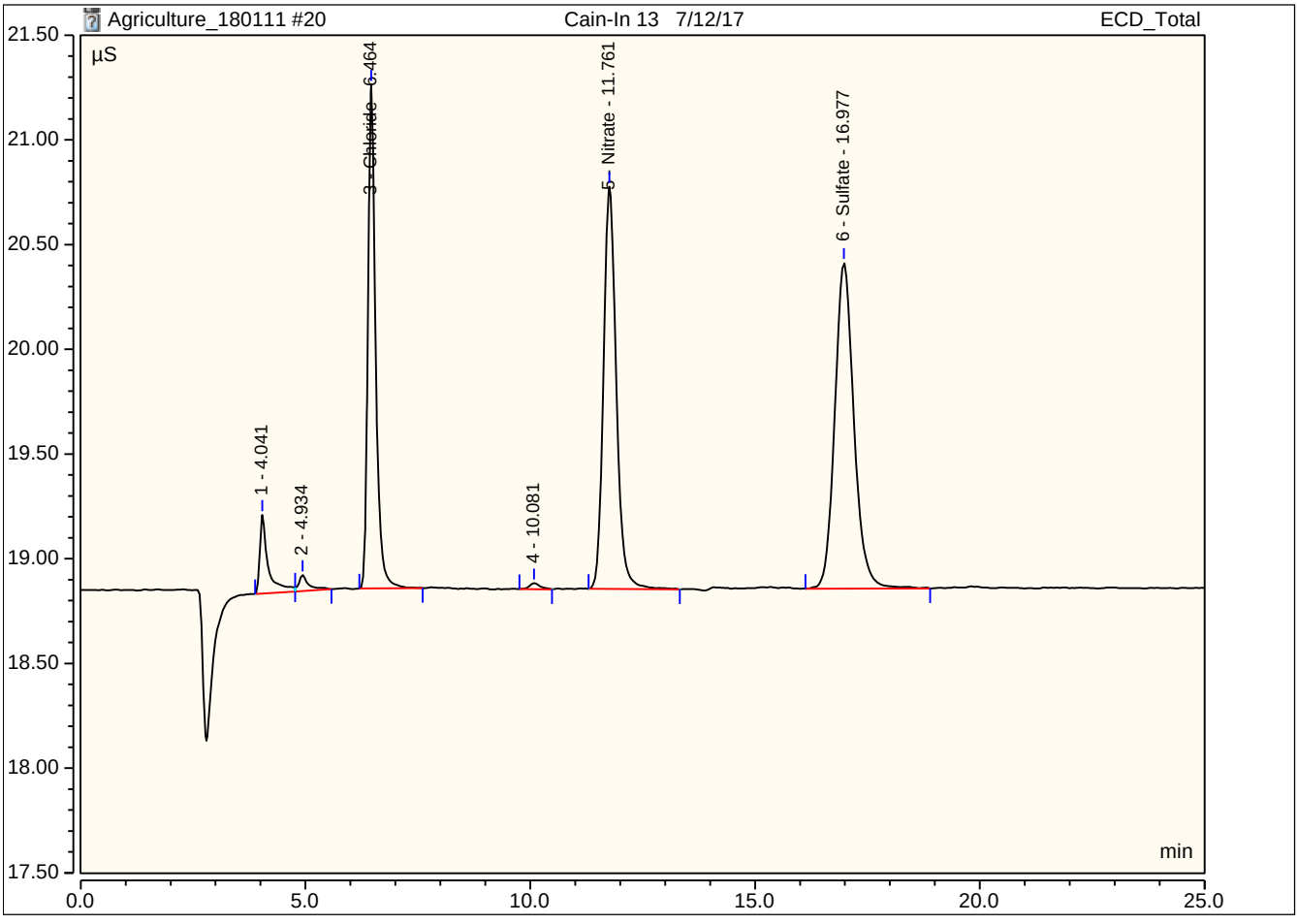
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.205	1.021	1.4544
5	11.76	**Nitrate**	M	0.496	1.491	5.3258
6	16.96	**Sulfate**	M	0.289	0.579	3.4370
TOTAL:				0.99	3.09	10.22



Peak Integration Report

Sample Name:	**Cain-In 13 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 22:47**	*Run Time:*	**25.00**

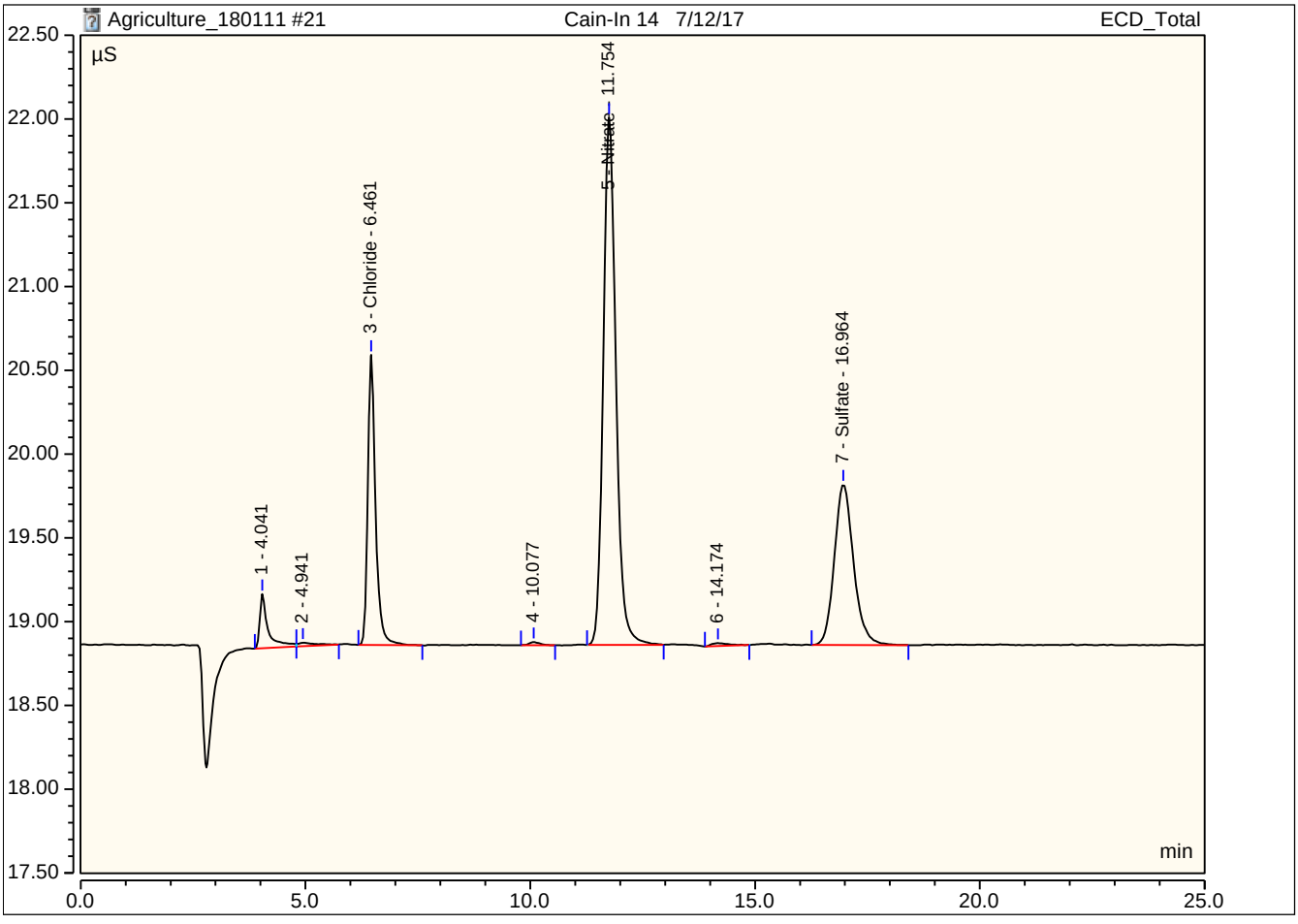
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.476	2.406	2.9880
5	11.76	**Nitrate**	M	0.634	1.921	6.8368
6	16.98	**Sulfate**	M	0.772	1.557	6.8233
TOTAL:				1.88	5.88	16.65



Peak Integration Report

Sample Name:	**Cain-In 14 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 23:14**	*Run Time:*	**25.00**

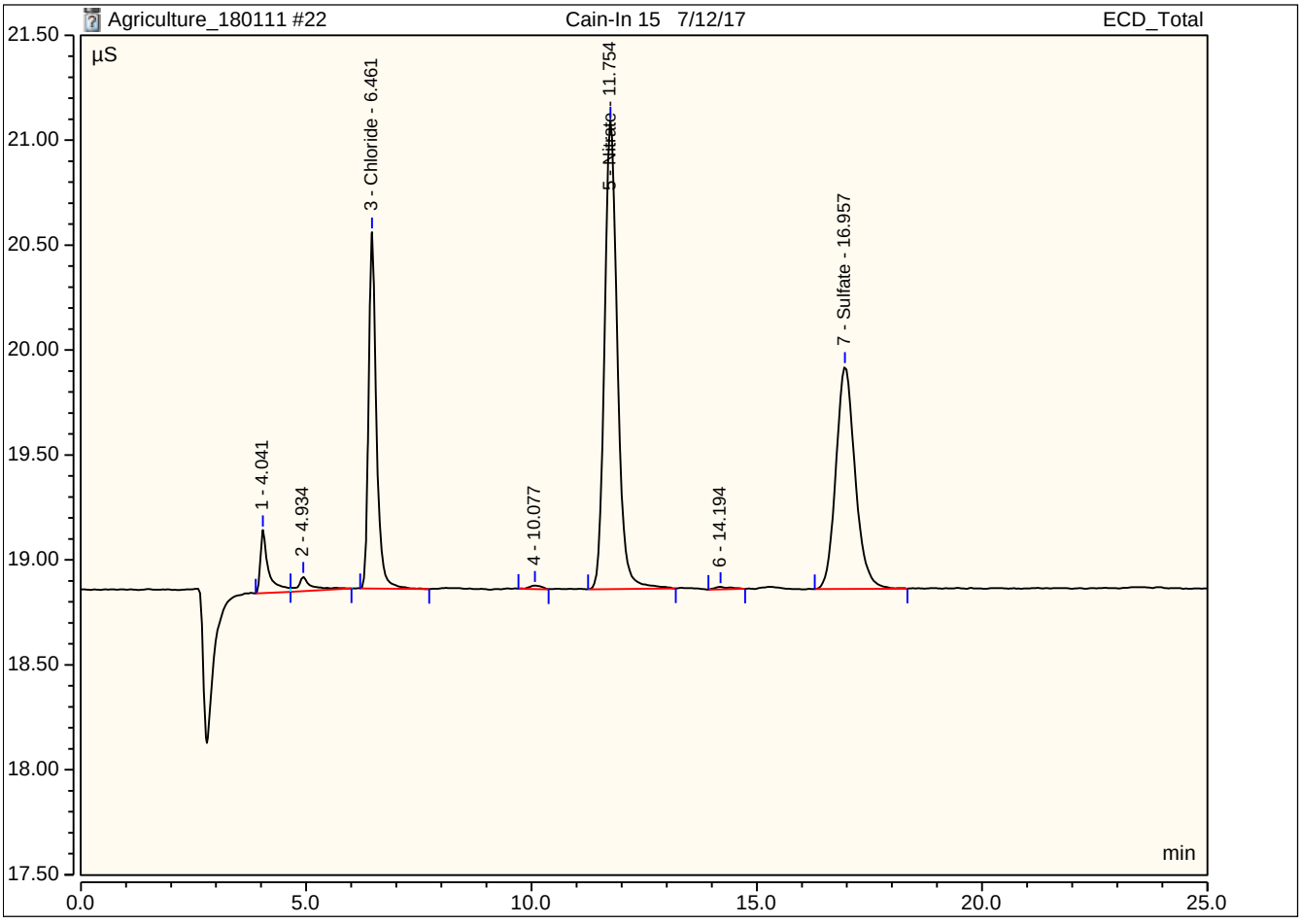
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.346	1.731	2.2525
5	11.75	**Nitrate**	M	1.025	3.146	11.1214
7	16.96	**Sulfate**	M	0.476	0.958	4.7470
TOTAL:				1.85	5.84	18.12



Peak Integration Report

Sample Name:	**Cain-In 15 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**11-Jan-2018 / 23:40**	*Run Time:*	**25.00**

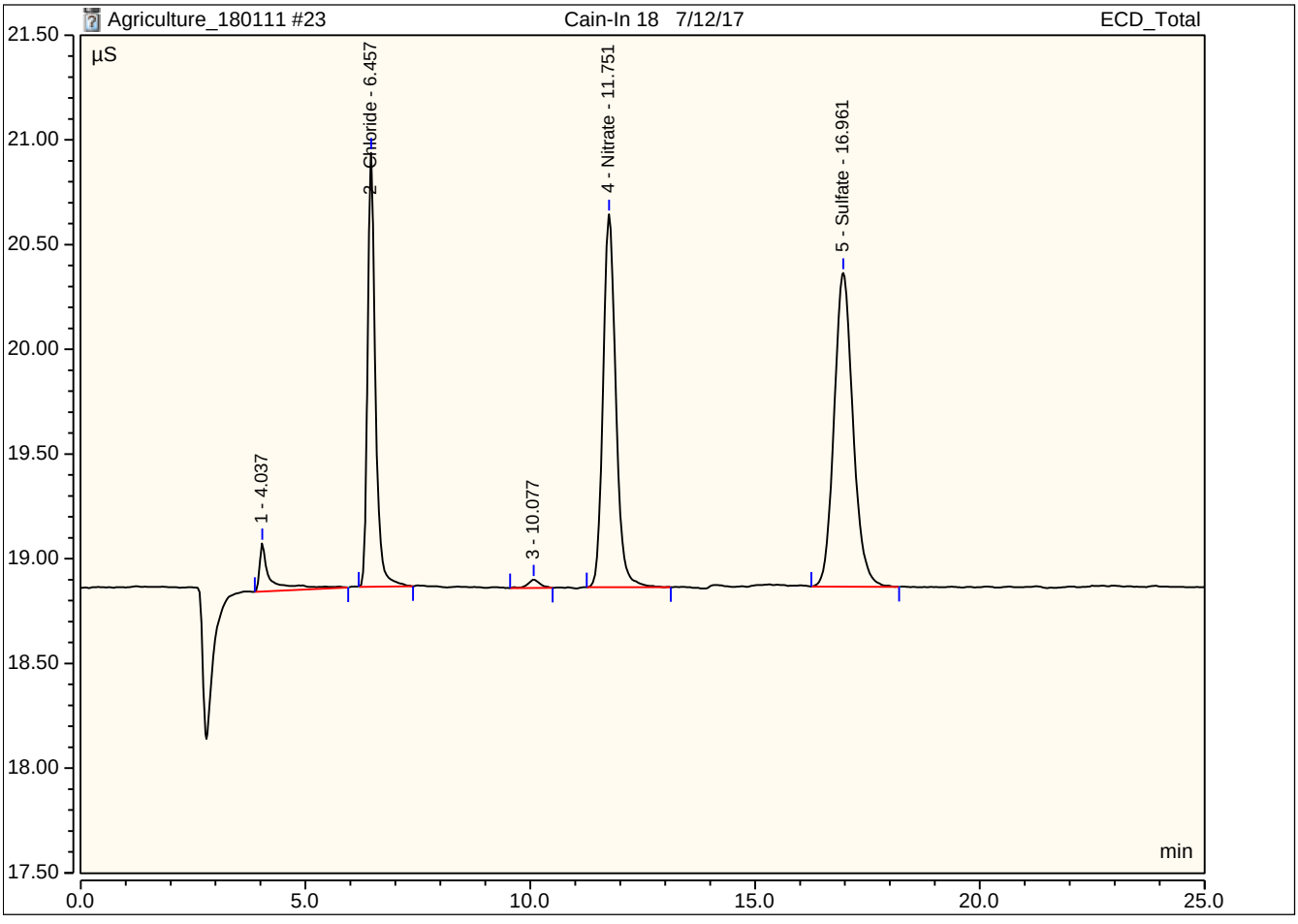
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	6.46	**Chloride**	M	0.340	1.698	2.2176
5	11.75	**Nitrate**	M	0.737	2.227	7.9717
7	16.96	**Sulfate**	M	0.525	1.059	5.0909
TOTAL:				1.60	4.98	15.28



Peak Integration Report

Sample Name:	**Cain-In 18 7/12/17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 00:07**	*Run Time:*	**25.00**

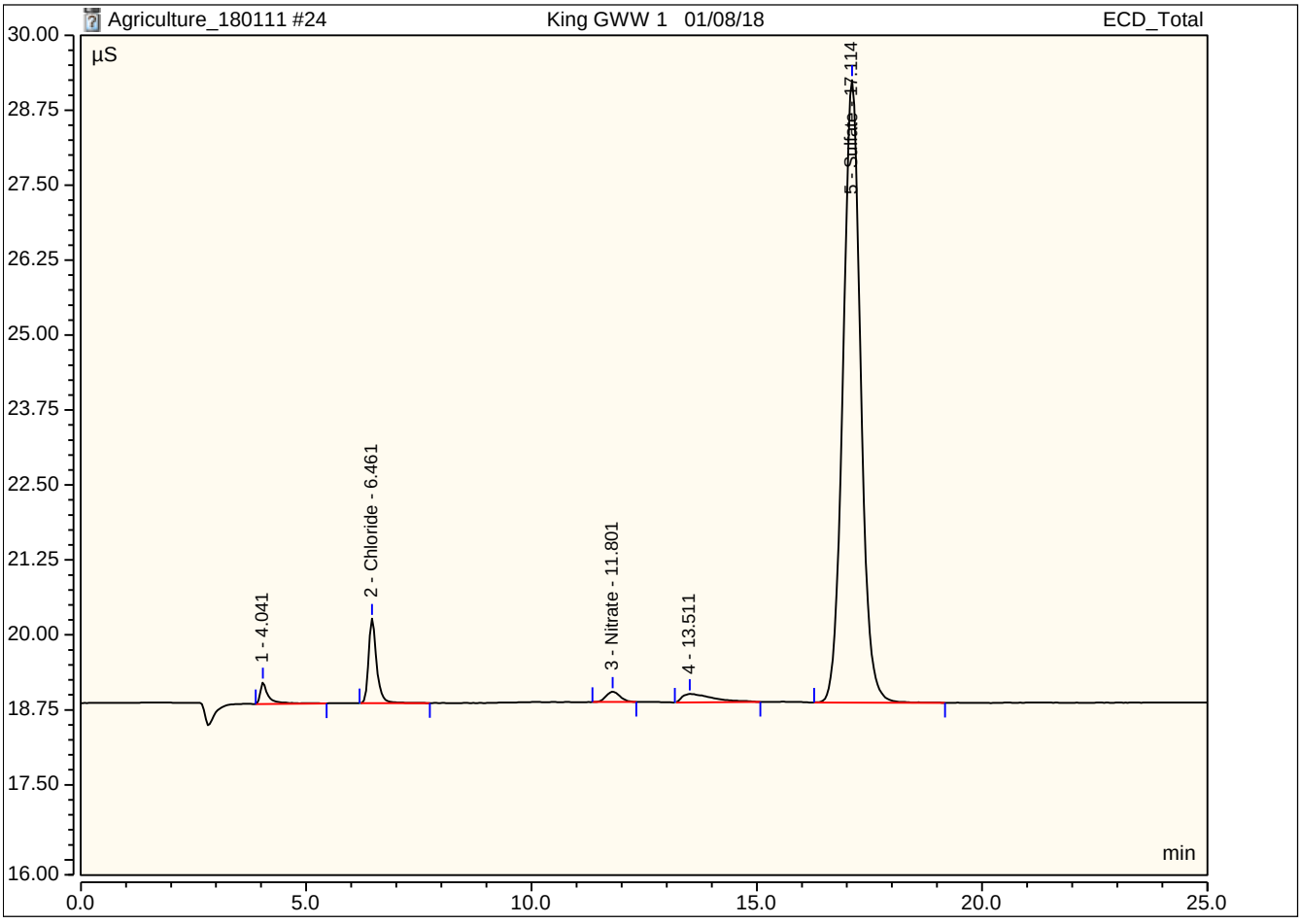
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.415	2.072	2.6409
4	11.75	**Nitrate**	M	0.587	1.782	6.3309
5	16.96	**Sulfate**	M	0.732	1.498	6.5412
TOTAL:				1.73	5.35	15.51



Peak Integration Report

Sample Name:	**King GWW 1 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 00:34**	*Run Time:*	**25.00**

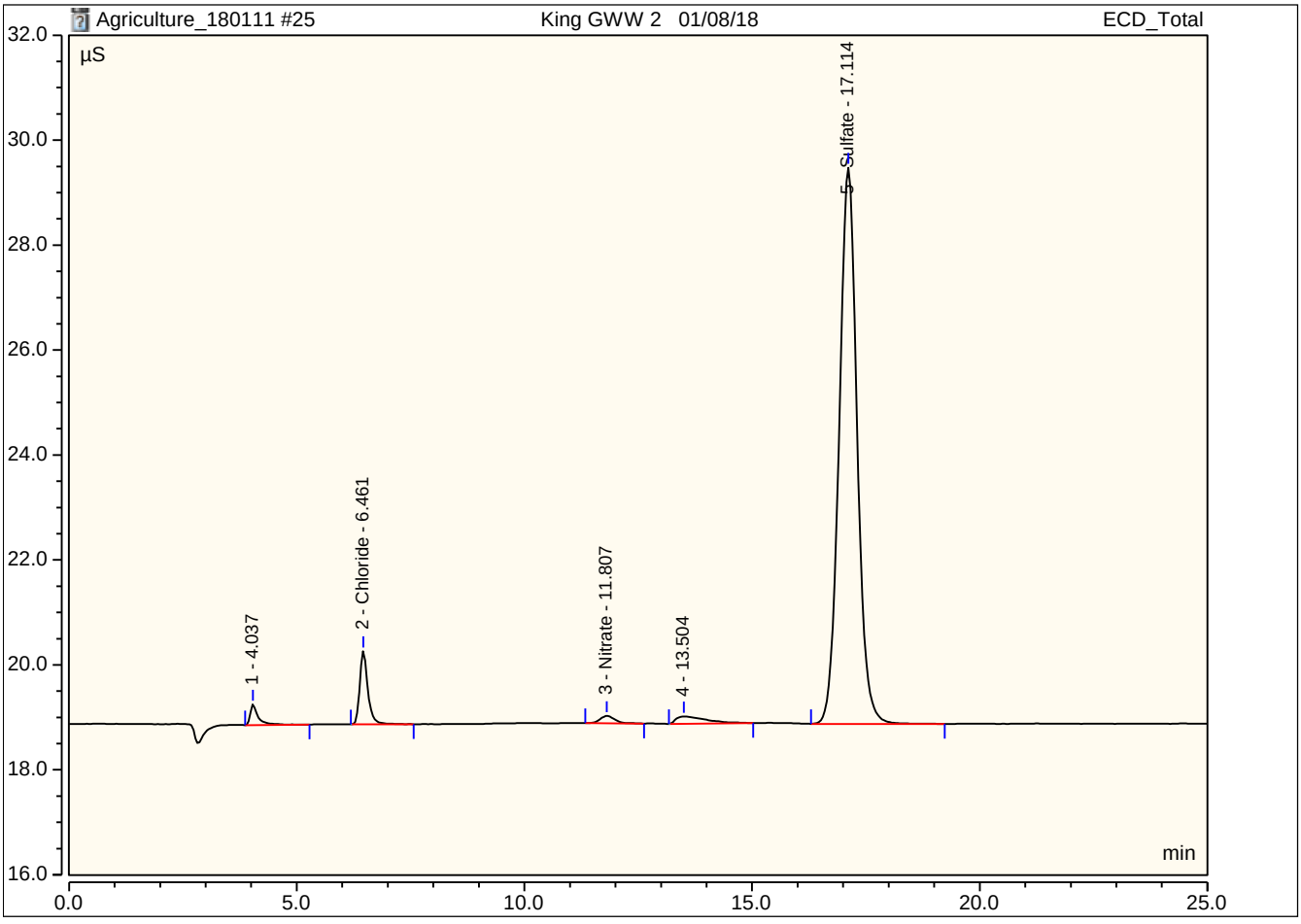
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.292	1.412	1.9474
3	11.80	**Nitrate**	M	0.062	0.171	0.5793
5	17.11	**Sulfate**	M	4.729	10.384	34.5114
TOTAL:				5.08	11.97	37.04



Peak Integration Report

Sample Name:	**King GWW 2 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 01:01**	*Run Time:*	**25.00**

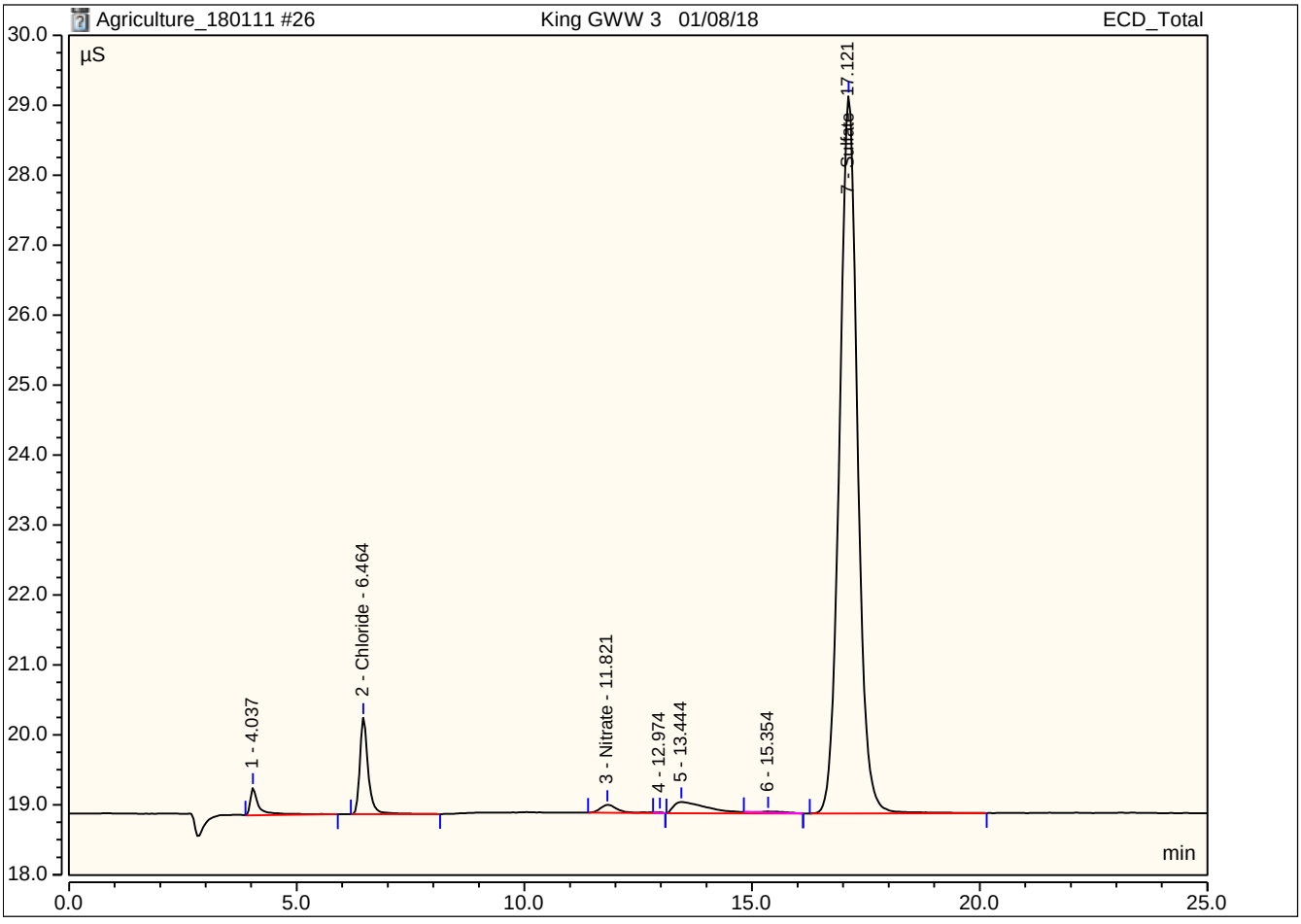
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.289	1.397	1.9279
3	11.81	**Nitrate**	M	0.053	0.140	0.4893
5	17.11	**Sulfate**	M	4.834	10.603	35.2519
TOTAL:				5.18	12.14	37.67



Peak Integration Report

Sample Name:	**King GWW 3 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 01:27**	*Run Time:*	**25.00**

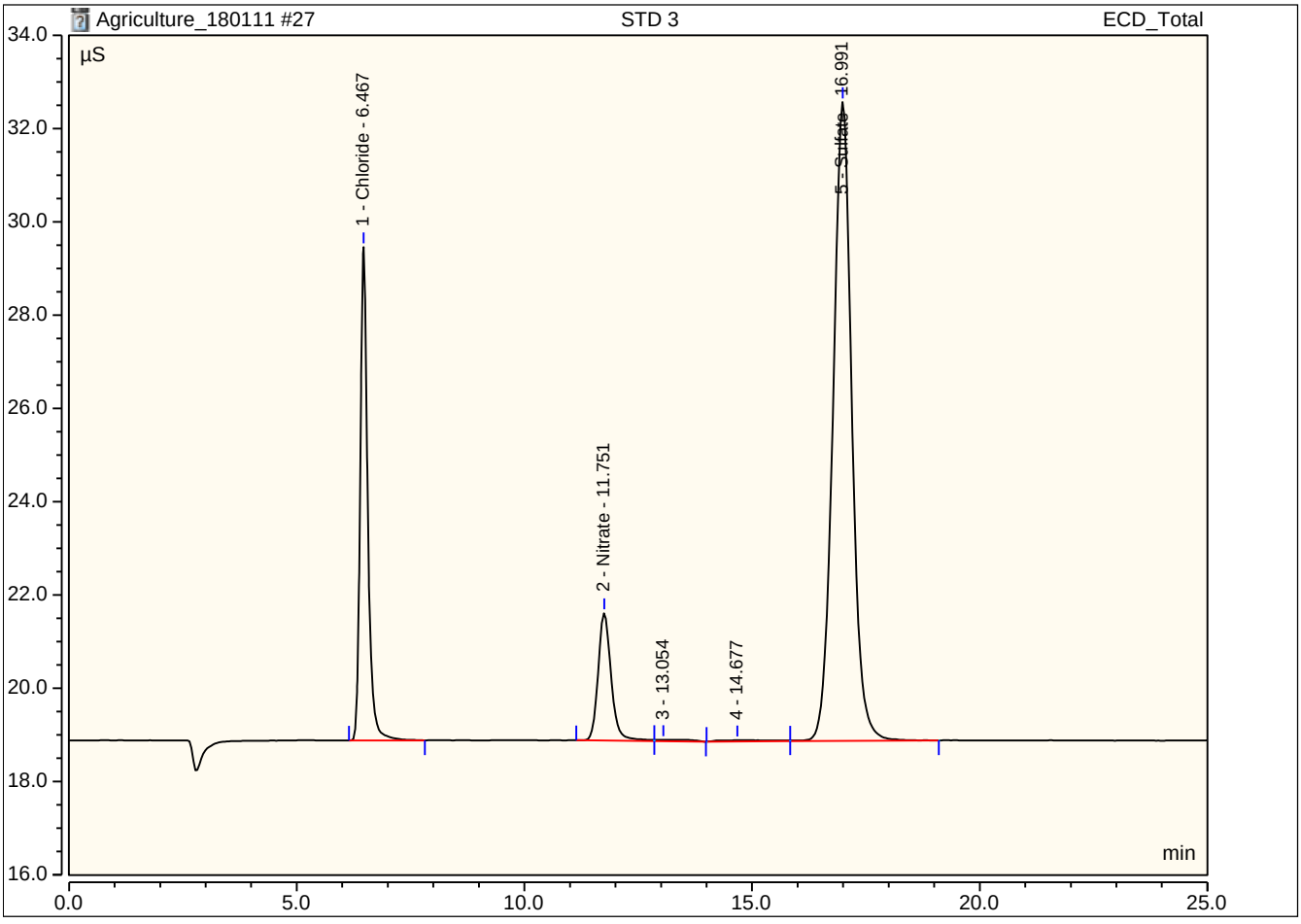
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.292	1.379	1.9494
3	11.82	**Nitrate**	M	0.053	0.114	0.4899
7	17.12	**Sulfate**	M	4.690	10.253	34.2384
TOTAL:				5.04	11.75	36.68



Peak Integration Report

Sample Name:	**STD 3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 01:54**	*Run Time:*	**25.00**

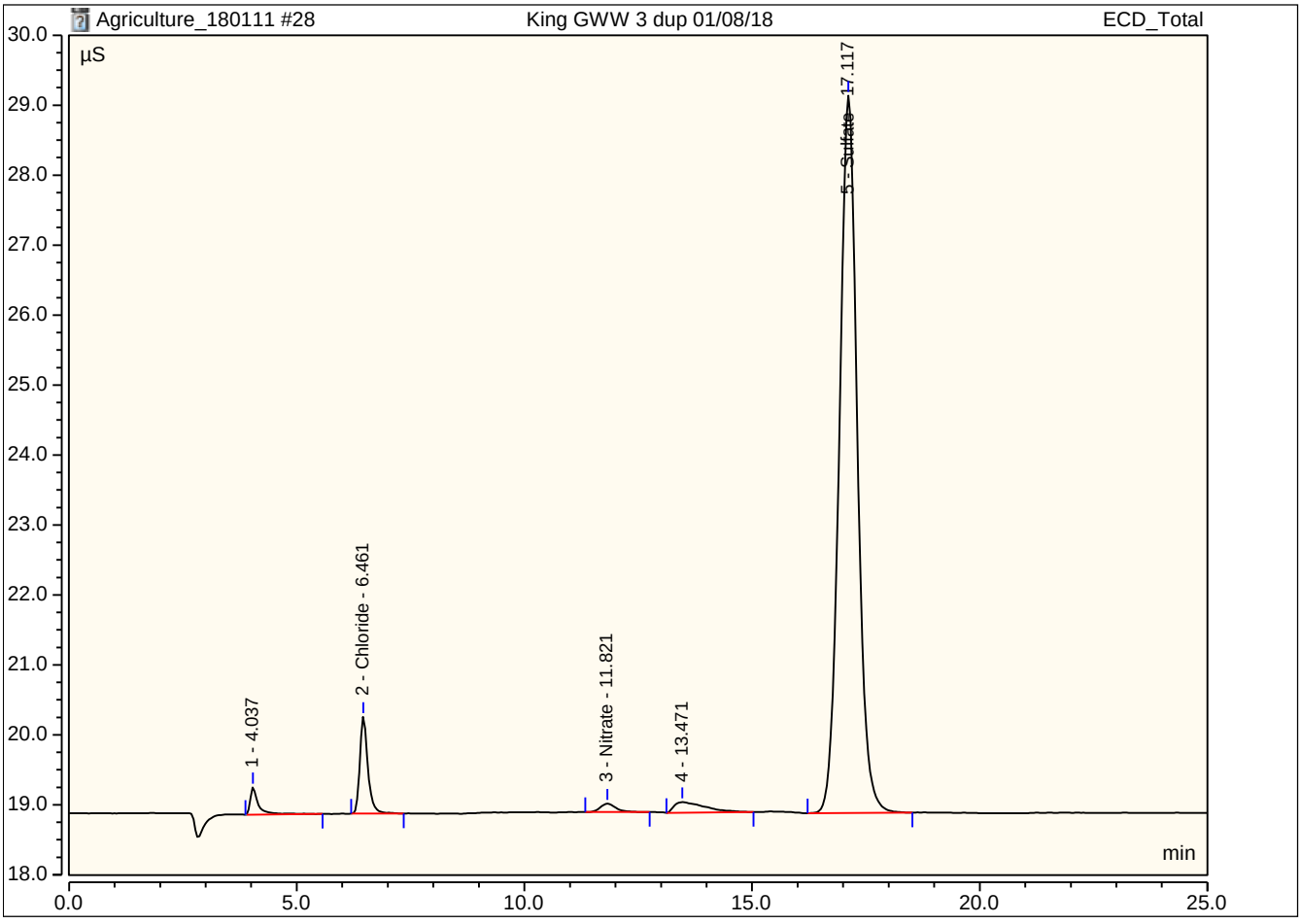
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.47	**Chloride**	M	2.030	10.582	11.7689
2	11.75	**Nitrate**	M	0.912	2.735	9.8823
5	16.99	**Sulfate**	M	6.554	13.698	47.2867
TOTAL:				9.50	27.02	68.94



Peak Integration Report

Sample Name:	**King GWW 3 dup 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 02:21**	*Run Time:*	**25.00**

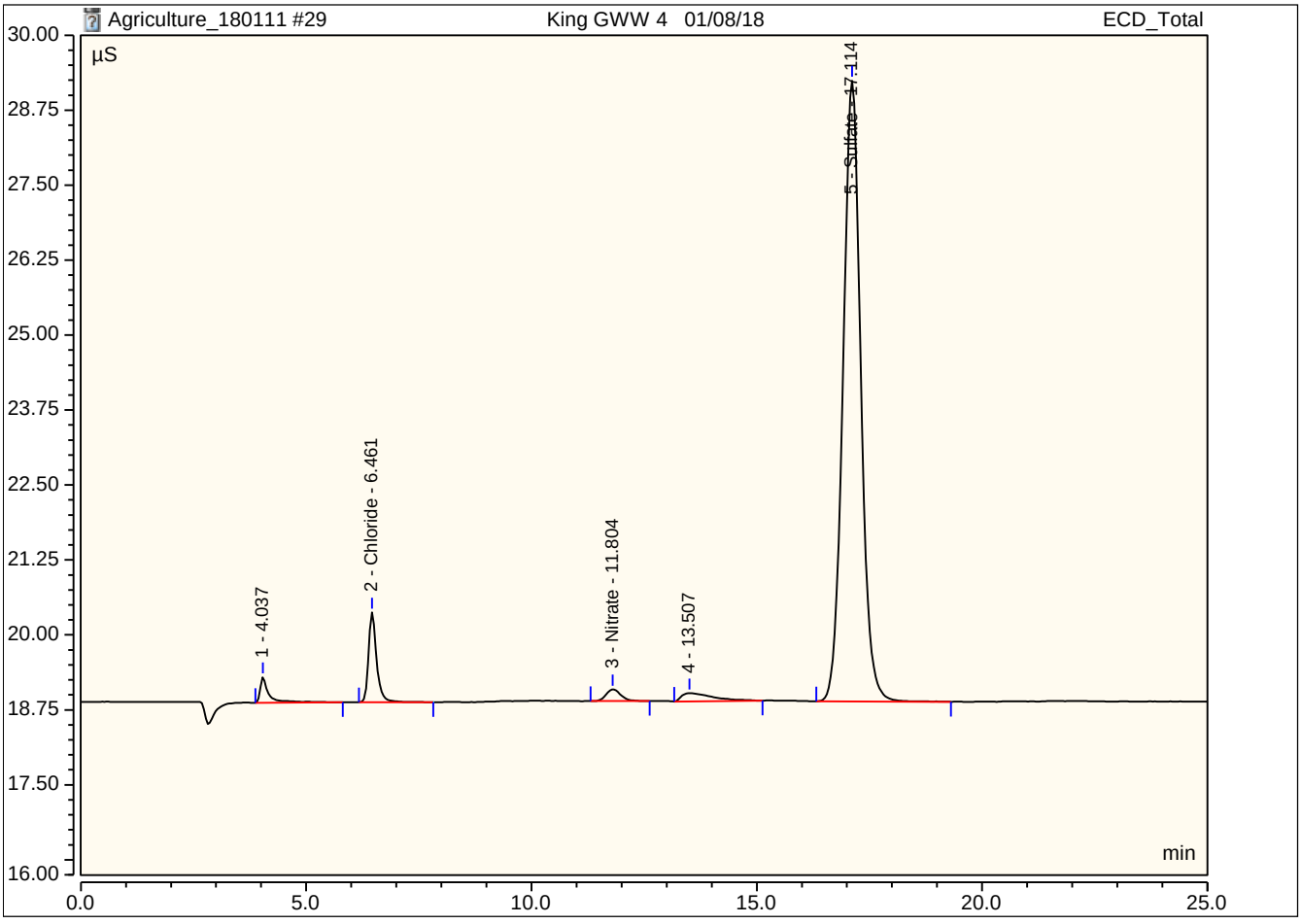
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.287	1.385	1.9171
3	11.82	**Nitrate**	M	0.049	0.122	0.4374
5	17.12	**Sulfate**	M	4.674	10.254	34.1269
TOTAL:				5.01	11.76	36.48



Peak Integration Report

Sample Name:	**King GWW 4 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 02:48**	*Run Time:*	**25.00**

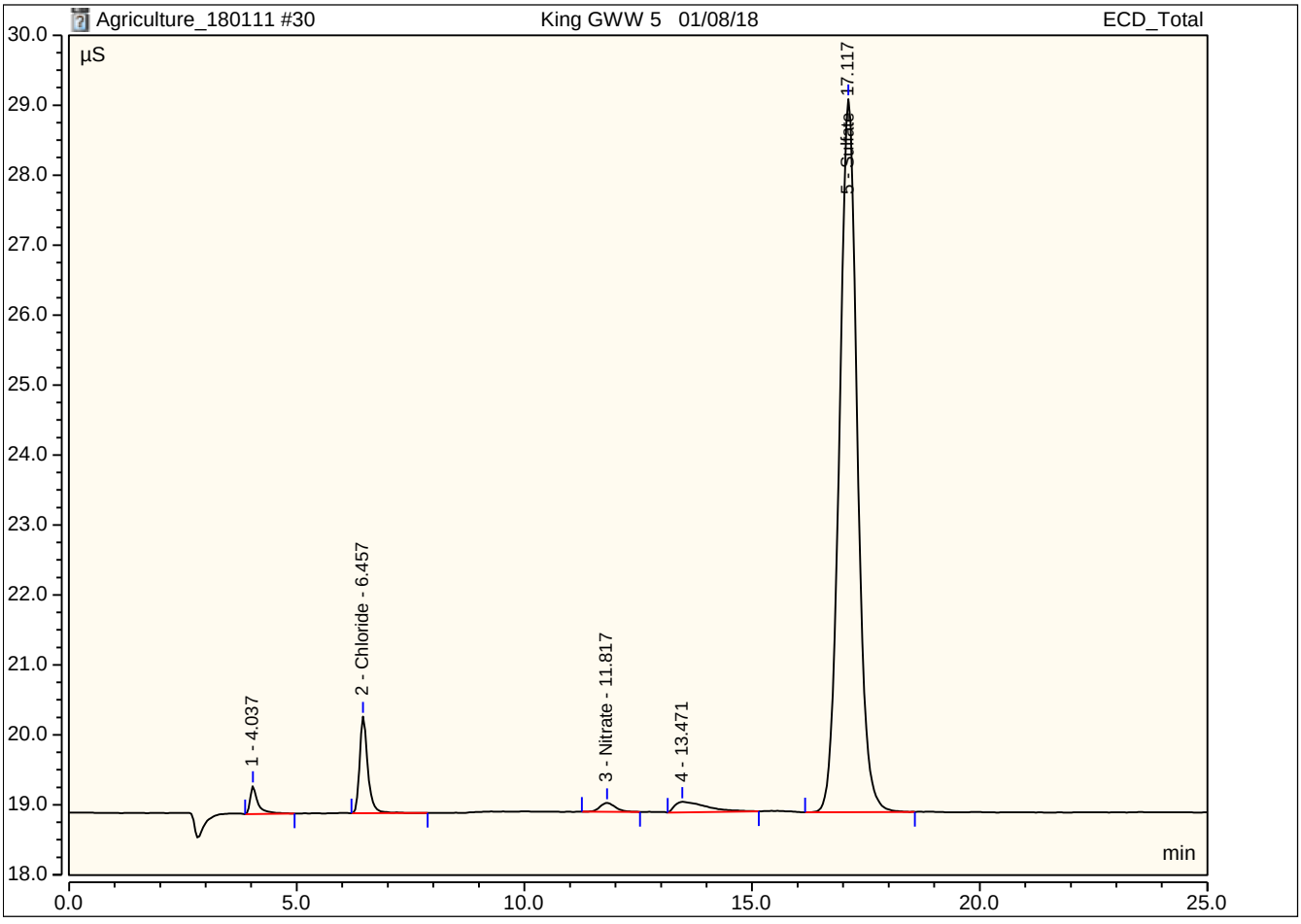
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.311	1.498	2.0568
3	11.80	**Nitrate**	M	0.074	0.197	0.7135
5	17.11	**Sulfate**	M	4.719	10.354	34.4452
TOTAL:				5.10	12.05	37.22



Peak Integration Report

Sample Name:	**King GWW 5 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 03:14**	*Run Time:*	**25.00**

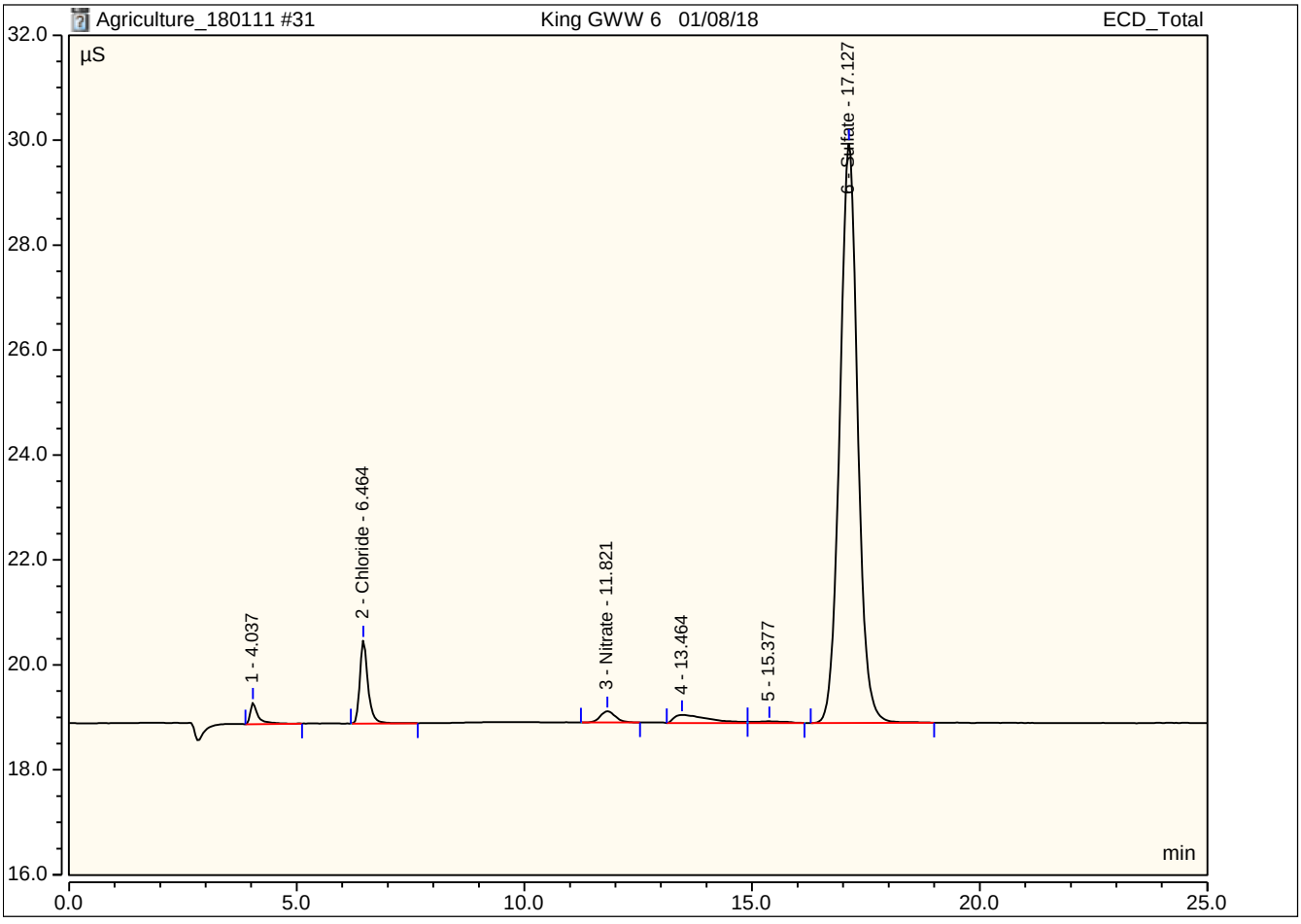
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.288	1.382	1.9231
3	11.82	**Nitrate**	M	0.051	0.127	0.4577
5	17.12	**Sulfate**	M	4.646	10.191	33.9306
TOTAL:				4.98	11.70	36.31



Peak Integration Report

Sample Name:	**King GWW 6 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 03:41**	*Run Time:*	**25.00**

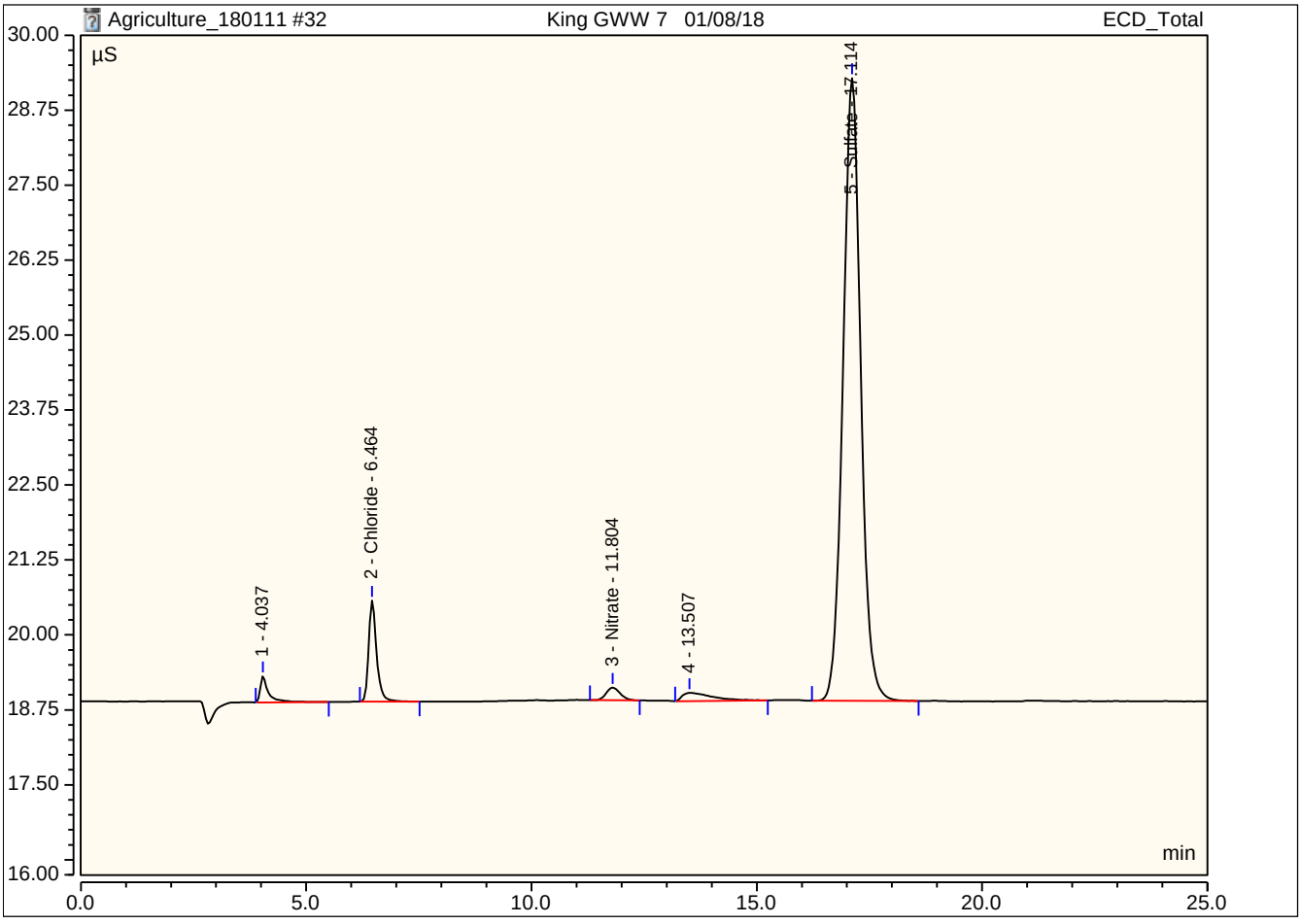
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.328	1.582	2.1509
3	11.82	**Nitrate**	M	0.083	0.214	0.8128
6	17.13	**Sulfate**	M	5.031	11.039	36.6297
TOTAL:				5.44	12.84	39.59



Peak Integration Report

Sample Name:	**King GWW 7 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 04:08**	*Run Time:*	**25.00**

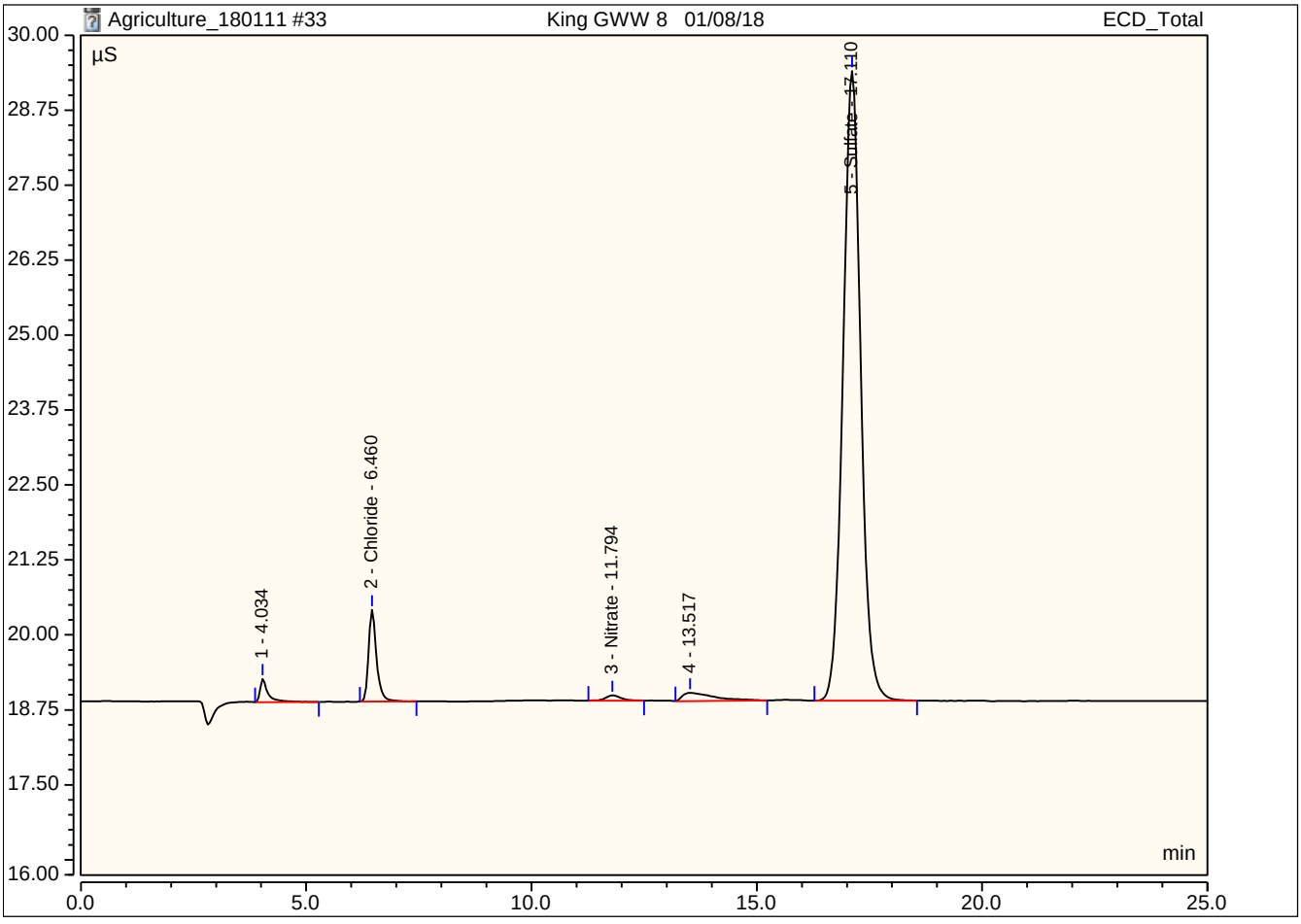
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.346	1.684	2.2537
3	11.80	**Nitrate**	M	0.076	0.211	0.7319
5	17.11	**Sulfate**	M	4.731	10.386	34.5263
TOTAL:				5.15	12.28	37.51



Peak Integration Report

Sample Name:	**King GWW 8 01/08/18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 04:35**	*Run Time:*	**25.00**

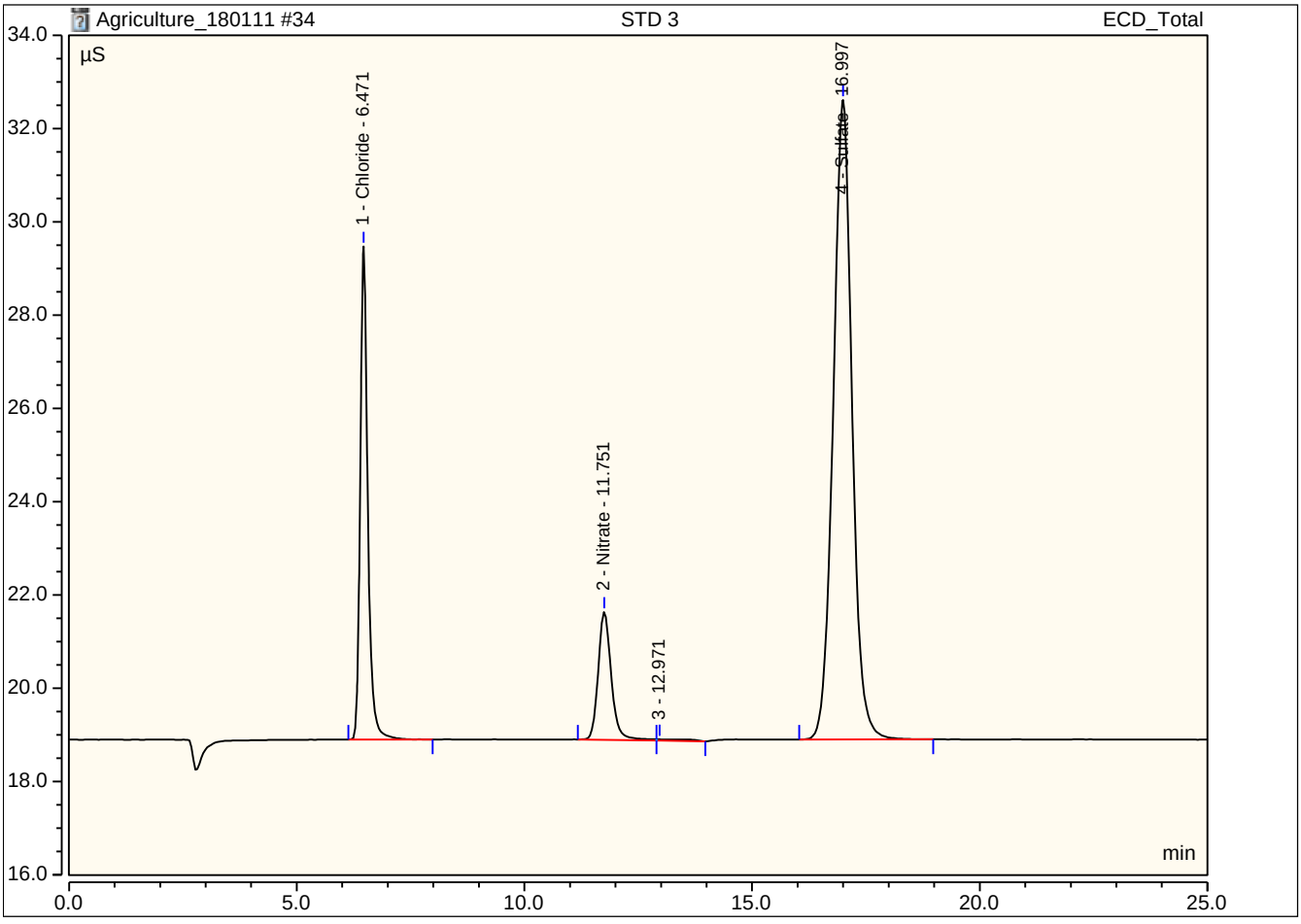
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	6.46	**Chloride**	M	0.316	1.532	2.0830
3	11.79	**Nitrate**	M	0.035	0.089	0.2885
5	17.11	**Sulfate**	M	4.791	10.501	34.9460
TOTAL:				5.14	12.12	37.32



Peak Integration Report

Sample Name:	**STD 3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 05:01**	*Run Time:*	**25.00**

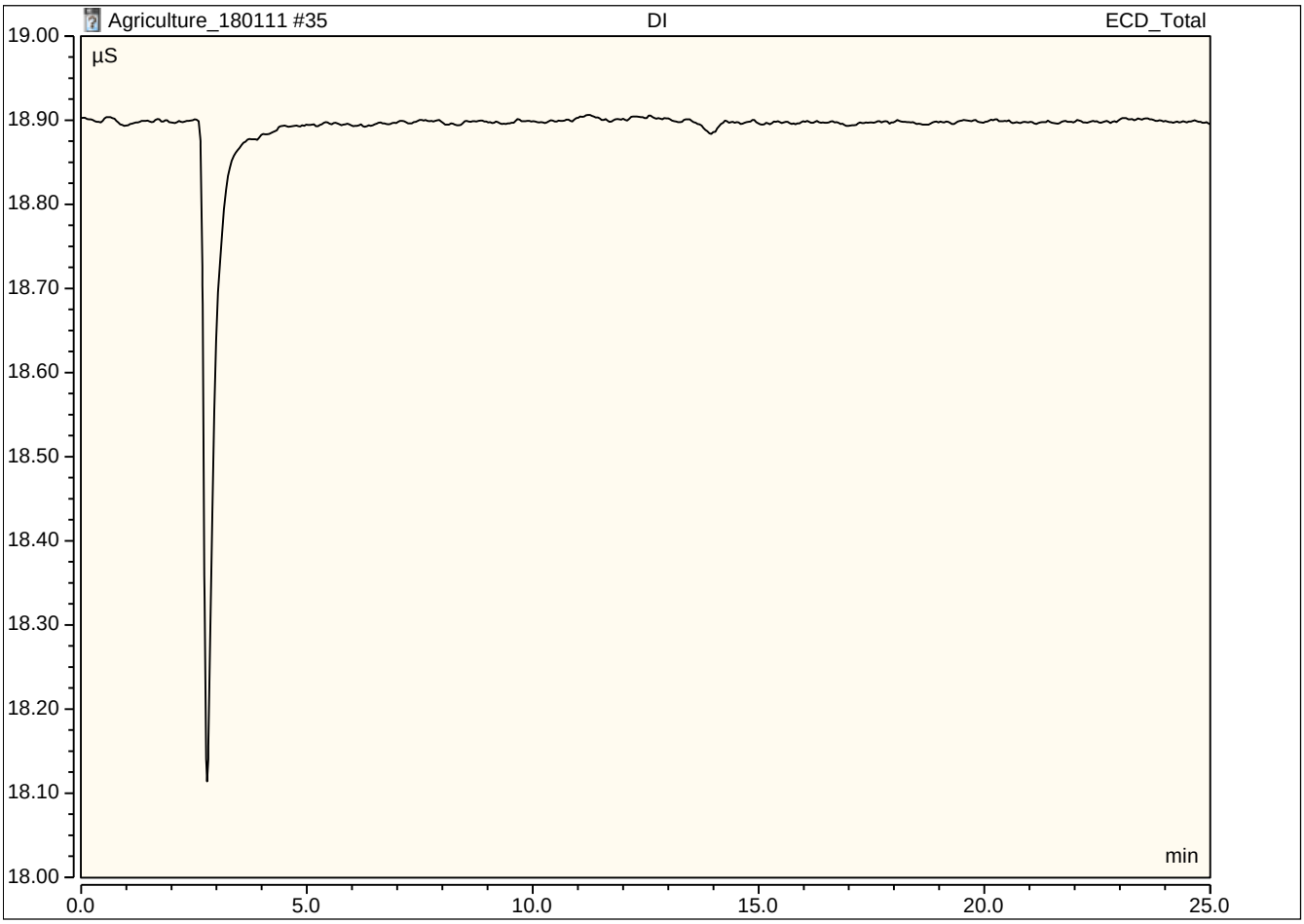
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	6.47	**Chloride**	M	2.027	10.573	11.7525
2	11.75	**Nitrate**	M	0.919	2.743	9.9539
4	17.00	**Sulfate**	M	6.536	13.710	47.1612
TOTAL:				9.48	27.03	68.87



Peak Integration Report

Sample Name:	**DI**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Program:	**3AnionInstMeth**	*Operator:*	**University of KS**
Inj. Date / Time:	**12-Jan-2018 / 05:28**	*Run Time:*	**25.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Cation Summary Report

No.	Name	Time min ECD_Total Chloride	Area µS*min ECD_Total Chloride	Rel.Area % ECD_Total Chloride	Height µS ECD_Total Chloride	Rel.Height % ECD_Total Chloride	Amount ECD_Total Chloride
1	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD 1	6.457	0.0452	22.68	0.23	40.66	0.5520
3	STD 2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4	STD 3	6.467	2.0187	21.17	10.56	39.09	11.7072
5	STD 4	6.471	3.4028	21.26	18.21	40.06	19.5306
6	STD 5	6.481	4.3875	21.27	23.67	40.59	25.0964
7	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8	FFFS 01/09/18	6.461	0.2269	10.76	1.13	20.86	1.5791
9	FFTS 01/09/18	6.461	0.5490	14.82	2.69	28.39	3.3997
10	FFSU 01/09/18	6.461	0.2453	11.22	1.21	21.38	1.6830
11	FFBS 01/09/18	6.461	0.4324	23.76	2.11	39.50	2.7407
12	Cain-In 1 7/12/17	6.464	0.1822	26.93	0.88	38.50	1.3264
13	Cain-In 4 7/12/17	6.457	0.1654	21.61	0.79	31.67	1.2316
14	Cain-In 5 7/12/17	6.457	0.1150	15.99	0.58	24.72	0.9466
15	Cain-In 9 7/12/17	6.464	0.2522	17.71	1.22	27.10	1.7219
16	Cain-In 10 7/12/17	6.457	0.2206	16.89	1.12	26.52	1.5434
17	STD 3	6.470	2.0321	21.14	10.64	39.11	11.7829
18	Cain-In 11 7/12/17	6.461	0.4560	27.24	2.20	39.29	2.8743
19	Cain-In 12 7/12/17	6.457	0.2048	19.27	1.02	30.14	1.4544
20	Cain-In 13 7/12/17	6.464	0.4762	23.92	2.41	37.80	2.9880
21	Cain-In 14 7/12/17	6.461	0.3460	17.84	1.73	27.84	2.2525
22	Cain-In 15 7/12/17	6.461	0.3399	20.01	1.70	31.55	2.2176
23	Cain-In 18 7/12/17	6.457	0.4147	22.89	2.07	36.86	2.6409
24	King GWW 1 01/08/18	6.461	0.2920	5.53	1.41	11.32	1.9474
25	King GWW 2 01/08/18	6.461	0.2886	5.37	1.40	11.01	1.9279
26	King GWW 3 01/08/18	6.464	0.2924	5.53	1.38	11.19	1.9494
27	STD 3	6.467	2.0296	21.21	10.58	39.08	11.7689
28	King GWW 3 dup 01/08/18	6.461	0.2867	5.50	1.38	11.25	1.9171
29	King GWW 4 01/08/18	6.461	0.3114	5.86	1.50	11.87	2.0568
30	King GWW 5 01/08/18	6.457	0.2878	5.55	1.38	11.28	1.9231
31	King GWW 6 01/08/18	6.464	0.3280	5.77	1.58	11.78	2.1509
32	King GWW 7 01/08/18	6.464	0.3462	6.46	1.68	13.10	2.2537
33	King GWW 8 01/08/18	6.460	0.3160	5.93	1.53	12.11	2.0830
34	STD 3	6.471	2.0267	21.31	10.57	39.08	11.7525
35	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Sum:	200.336	23.318	492.392	120.566	844.706	141.000
	Average:	6.462	0.752	15.884	3.889	27.249	4.548
	Rel.Std.Dev:	0.081 %	137.809 %	47.295 %	143.283 %	42.533 %	128.820 %

No.	Name	Time min ECD_Total Nitrate	Area µS*min ECD_Total Nitrate	Rel.Area % ECD_Total Nitrate	Height µS ECD_Total Nitrate	Rel.Height % ECD_Total Nitrate	Amount ECD_Total Nitrate
1	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD 1	11.757	0.0382	19.20	0.10	17.88	0.3232
3	STD 2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4	STD 3	11.747	0.9084	9.53	2.74	10.13	9.8419
5	STD 4	11.741	1.4820	9.26	4.52	9.95	16.1151
6	STD 5	11.741	1.8775	9.10	5.74	9.85	20.4417
7	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8	FFFS 01/09/18	11.764	0.3356	15.92	1.00	18.53	3.5758

9	FFTS 01/09/18	11.797	0.1156	3.12	0.32	3.34	1.1698
10	FFSU 01/09/18	11.764	0.2934	13.42	0.88	15.50	3.1143
11	FFBS 01/09/18	11.764	0.3493	19.20	1.05	19.76	3.7262
12	Cain-In 1 7/12/17	11.761	0.3003	44.39	0.90	39.25	3.1893
13	Cain-In 4 7/12/17	11.757	0.3629	47.40	1.09	44.01	3.8741
14	Cain-In 5 7/12/17	11.761	0.3816	53.05	1.16	49.18	4.0795
15	Cain-In 9 7/12/17	11.761	0.7547	52.99	2.29	51.07	8.1602
16	Cain-In 10 7/12/17	11.754	0.7092	54.32	2.18	51.66	7.6623
17	STD 3	11.754	0.9203	9.57	2.77	10.17	9.9720
18	Cain-In 11 7/12/17	11.754	0.7928	47.35	2.42	43.22	8.5772
19	Cain-In 12 7/12/17	11.757	0.4956	46.63	1.49	44.04	5.3258
20	Cain-In 13 7/12/17	11.761	0.6337	31.84	1.92	30.17	6.8368
21	Cain-In 14 7/12/17	11.754	1.0254	52.86	3.15	50.61	11.1214
22	Cain-In 15 7/12/17	11.754	0.7375	43.41	2.23	41.39	7.9717
23	Cain-In 18 7/12/17	11.751	0.5875	32.43	1.78	31.69	6.3309
24	King GWW 1 01/08/18	11.801	0.0617	1.17	0.17	1.37	0.5793
25	King GWW 2 01/08/18	11.807	0.0534	0.99	0.14	1.11	0.4893
26	King GWW 3 01/08/18	11.821	0.0535	1.01	0.11	0.92	0.4899
27	STD 3	11.751	0.9121	9.53	2.74	10.10	9.8823
28	King GWW 3 dup 01/08/18	11.821	0.0487	0.93	0.12	0.99	0.4374
29	King GWW 4 01/08/18	11.804	0.0739	1.39	0.20	1.56	0.7135
30	King GWW 5 01/08/18	11.817	0.0505	0.97	0.13	1.04	0.4577
31	King GWW 6 01/08/18	11.821	0.0830	1.46	0.21	1.59	0.8128
32	King GWW 7 01/08/18	11.804	0.0756	1.41	0.21	1.64	0.7319
33	King GWW 8 01/08/18	11.794	0.0351	0.66	0.09	0.70	0.2885
34	STD 3	11.751	0.9187	9.66	2.74	10.14	9.9539
35	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Sum:	364.940	15.468	644.184	46.598	622.562	166.245
	Average:	11.772	0.499	20.780	1.503	20.083	5.363
	Rel.Std.Dev:	0.227 %	92.404 %	97.411 %	94.034 %	93.567 %	94.042 %

No.	Name	Time min ECD_Total Sulfate	Area µS*min ECD_Total Sulfate	Rel.Area % ECD_Total Sulfate	Height µS ECD_Total Sulfate	Rel.Height % ECD_Total Sulfate	Amount ECD_Total Sulfate
1	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD 1	16.920	0.1157	58.12	0.23	41.46	2.2275
3	STD 2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4	STD 3	16.984	6.5314	68.48	13.65	50.55	47.1283
5	STD 4	17.001	11.0116	68.80	22.65	49.83	78.4841
6	STD 5	17.027	14.2342	69.00	28.80	49.39	101.0384
7	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8	FFFS 01/09/18	17.021	1.4540	68.96	3.02	55.71	11.5933
9	FFTS 01/09/18	17.104	2.8587	77.17	6.15	64.83	21.4245
10	FFSU 01/09/18	17.011	1.5663	71.63	3.25	57.17	12.3798
11	FFBS 01/09/18	17.004	0.9322	51.22	1.89	35.37	7.9414
12	Cain-In 1 7/12/17	16.941	0.1164	17.21	0.24	10.24	2.2324
13	Cain-In 4 7/12/17	16.940	0.1483	19.38	0.30	12.15	2.4556
14	Cain-In 5 7/12/17	16.947	0.1604	22.29	0.32	13.73	2.5397
15	Cain-In 9 7/12/17	16.964	0.3222	22.63	0.65	14.55	3.6726
16	Cain-In 10 7/12/17	16.954	0.3170	24.28	0.63	15.02	3.6362
17	STD 3	17.004	6.5866	68.51	13.73	50.45	47.5149
18	Cain-In 11 7/12/17	16.954	0.3574	21.35	0.72	12.86	3.9188
19	Cain-In 12 7/12/17	16.957	0.2886	27.15	0.58	17.10	3.4370
20	Cain-In 13 7/12/17	16.977	0.7724	38.81	1.56	24.45	6.8233
21	Cain-In 14 7/12/17	16.964	0.4757	24.52	0.96	15.42	4.7470
22	Cain-In 15 7/12/17	16.957	0.5249	30.90	1.06	19.68	5.0909

23	Cain-In 18 7/12/17	16.961	0.7321	40.41	1.50	26.65	6.5412
24	King GWW 1 01/08/18	17.114	4.7286	89.61	10.38	83.25	34.5114
25	King GWW 2 01/08/18	17.114	4.8344	90.04	10.60	83.63	35.2519
26	King GWW 3 01/08/18	17.121	4.6896	88.65	10.25	83.20	34.2384
27	STD 3	16.991	6.5540	68.51	13.70	50.59	47.2867
28	King GWW 3 dup 01/08/18	17.117	4.6737	89.66	10.25	83.33	34.1269
29	King GWW 4 01/08/18	17.114	4.7191	88.76	10.35	82.06	34.4452
30	King GWW 5 01/08/18	17.117	4.6456	89.62	10.19	83.19	33.9306
31	King GWW 6 01/08/18	17.127	5.0313	88.51	11.04	82.18	36.6297
32	King GWW 7 01/08/18	17.114	4.7307	88.28	10.39	80.75	34.5263
33	King GWW 8 01/08/18	17.110	4.7907	89.82	10.50	83.03	34.9460
34	STD 3	16.997	6.5361	68.74	13.71	50.68	47.1612
35	DI	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Sum:	527.626	105.440	1831.021	223.249	1482.492	781.881
	Average:	17.020	3.401	59.065	7.202	47.822	25.222
	Rel.Std.Dev:	0.417 %	101.386 %	45.627 %	99.373 %	57.496 %	95.688 %