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Supporting Information for

Airborne measurements of organosulfates over the continental US

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Introduction

The supporting information contains a table S1 about the detailed chemical composition of the solutions used to calibrate glycolic acid sulfate.

samples	glycolic acid sulfate	diisopropyl ethylamine	glycolic acid	acetonitrile	HCl	H_2SO_4	unknown	$(NH_4)_2SO_4$	succinic acid	glycolic acid sulfate in aerosol mass (%)
1	0.384	0.626	0.066	0.360	0.171	0.214	1.279	98.1	10.9	0.34
2	0.632	1.030	0.109	0.592	0.281	0.352	2.105	90.9	10.1	0.60
3	0.992	1.616	0.171	0.928	0.440	0.552	3.301	94.5	10.5	0.88
4	1.004	1.636	0.173	0.940	0.446	0.559	3.343	72.9	8.1	1.13
5	1.252	2.040	0.216	1.172	0.556	0.697	4.168	45.0	5.0	2.08
6	0.496	0.808	0.085	0.464	0.220	0.276	1.651	144.0	16.0	0.30
7	0.918	1.495	0.158	0.858	0.407	0.511	3.054	144.0	16.0	0.55
8	1.240	2.020	0.213	1.160	0.550	0.690	4.127	144.0	16.0	0.73
9	1.612	2.626	0.277	1.508	0.715	0.897	5.365	144.0	16.0	0.93
10	1.984	3.232	0.342	1.856	0.880	1.104	6.602	144.0	16.0	1.13
11	2.480	4.040	0.427	2.320	1.100	1.380	8.253	144.0	16.0	1.38
12	3.100	5.050	0.534	2.900	1.375	1.725	10.316	144.0	16.0	1.68
13	3.596	5.858	0.619	3.364	1.595	2.001	11.967	144.0	16.0	1.90

Table S1. The chemical composition (mg) of the solutions used to calibrate glycolic acid sulfate and the mass percentage of glycolic acid sulfate in the aerosols generated from these solutions. Glycolic acid sulfate, diisopropylethylamine, glycolic acid, acetonitrile, HCl, H_2SO_4, and unknown compounds are from glycolic acid sulfate standard.