Results from total acid digestion of aerosol samples from D326

Results are reported in atmospheric concentrations

Sample period	Start Time	End Time	Position at Start		Position at End		Sample air volume	Na	Mg	Al	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Rb	Sr	Y	Nb	Ag	Cd	Sn	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pb	Th	U
			°N	°E	°N	°E	m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³	ng/m³
1	08/01/08 13:52	10/01/08 06:20	25.336	-23.026	26.7618	-28.9388	20.001	3.138E+03	5.111E+02	6.781E+02	3.059E+02	6.750E+02	1.430E-01	3.187E+01	1.818E+00	1.455E+00	6.006E+00	4.297E+02	1.899E-01	9.531E-01	7.058E-01	2.592E+00		7.625E-01	5.559E+00	1.126E-01	1.200E-01	9.298E-03	2.308E-02		4.203E-02	5.477E+00	3.260E-01	6.816E-01	7.845E-02	2.987E-01	5.411E-02	1.397E-02	5.880E-02	7.537E-03	3.906E-02	7.026E-03	2.001E-02	3.023E-03	2.030E-02	2.911E-03	8.366E-01	7.952E-02	2.421E-02
2	11/01/08 11:11	12/01/08 10:26	25.322	-28.611	23.1406	-27.3724	34.681	4.188E+03	5.012E+02	1.145E+01	1.702E+02	2.063E+02	6.393E-03	1.268E-01	2.047E-02	2.652E+00	2.259E-01	1.158E+01	1.439E-02	3.137E-01	2.559E-01	3.276E+00		8.410E-02	3.155E+00				3.641E-03		7.155E-03	3.430E-01	7.812E-03	1.679E-02	1.727E-03	5.900E-03	6.716E-04	3.549E-04	1.024E-03	6.157E-05	8.329E-04	1.850E-04	4.091E-04	5.753E-05	3.125E-04	9.767E-05	1.068E-01	8.693E-04	2.633E-03
3	12/01/08 15:07	13/01/08 16:13	22.831	-27.197	20.3778	-25.8290	44.202	5.456E+03	6.984E+02	3.622E+02	2.830E+02	4.609E+02	8.162E-02	1.962E+01	1.386E+00	6.598E-01	3.199E+00	2.241E+02	1.057E-01	5.822E-01	5.789E-01	1.122E+00		3.844E-01	5.124E+00	1.062E-01	8.813E-02	1.350E-04	1.116E-02		2.244E-02	2.457E+00	1.999E-01	4.020E-01	4.664E-02	1.747E-01	3.383E-02	7.288E-03	3.569E-02	4.545E-03	2.315E-02	4.614E-03	1.395E-02	1.782E-03	1.257E-02	1.786E-03	2.622E+00	4.635E-02	1.501E-02
4	13/01/08 17:10	14/01/08 16:55	20.385	-25.830	18.4079	-24.7537	50.572	5.420E+03	7.663E+02	5.721E+02	3.513E+02	6.417E+02	1.178E-01	3.066E+01	2.182E+00	1.140E+00	5.411E+00	3.693E+02	1.625E-01	8.125E-01	3.953E-01	1.342E+00		6.420E-01	6.350E+00	1.560E-01	1.205E-01	8.347E-04	1.458E-02		3.445E-02	4.976E+00	2.910E-01	5.890E-01	6.757E-02	2.558E-01	4.941E-02	1.135E-02	4.982E-02	6.658E-03	3.558E-02	6.710E-03	1.983E-02	2.988E-03	1.978E-02	2.896E-03	5.303E+00	7.025E-02	2.282E-02
5	14/01/08 18:09	15/01/08 14:52	18.322	-24.708	17.6796	-24.3048	37.342	8.357E+03	1.200E+03	8.642E+02	5.347E+02	8.756E+02	1.781E-01	4.658E+01	2.455E+00	1.734E+00	8.534E+00	5.870E+02	2.307E-01	9.492E-01	5.548E-01	1.982E+00		9.612E-01	9.761E+00	3.701E-01	2.010E-01	5.038E-03	1.803E-02		5.195E-02	6.214E+00	4.516E-01	9.291E-01	1.080E-01	4.128E-01	7.579E-02	1.785E-02	8.142E-02	1.020E-02	5.670E-02	1.065E-02	3.122E-02	4.200E-03	2.874E-02	4.215E-03	2.255E+00	1.042E-01	3.446E-02
6	16/01/08 05:32	17/01/08 13:16	15.544	-25.390	12.6561	-25.8887	16.615	1.084E+04	1.532E+03	1.375E+03	6.819E+02	1.178E+03	2.418E-01	7.390E+01	2.394E+00	2.870E+00	1.311E+01	8.251E+02	3.484E-01	1.057E+00	7.620E-01	1.882E+00		1.365E+00	1.309E+01	1.234E-01	3.094E-01		1.514E-02	7.121E-01	6.546E-02	1.117E+01	7.192E-01	1.484E+00	1.725E-01	6.398E-01	1.155E-01	2.941E-02	1.251E-01	1.554E-02	8.074E-02	1.487E-02	4.743E-02	6.958E-03	4.376E-02	6.163E-03	1.594E+00	1.709E-01	5.046E-02
7	17/01/08 14:03	18/01/08 08:42	12.660	-25.894	12.6972	-27.0998	23.544	8.994E+03	4.279E+03	1.499E+04	3.439E+03	9.000E+03	2.565E+00	8.240E+02	1.898E+01	1.643E+01	1.542E+02	7.864E+03	3.742E+00	7.687E+00	6.591E+00	1.321E+01		1.591E+01	1.225E+02	5.222E+00	2.716E+00	4.427E-02	5.364E-02	3.228E-01	7.550E-01	1.475E+02	7.454E+00	1.567E+01	1.830E+00	6.996E+00	1.359E+00	3.281E-01	1.405E+00	1.798E-01	9.334E-01	1.769E-01	5.177E-01	7.511E-02	4.795E-01	7.016E-02	4.583E+00	1.748E+00	5.124E-01
8	18/01/08 11:43	19/01/08 11:03	12.836	-27.601	12.6971	-30.2926	44.541	7.663E+03	2.330E+03	1.062E+04	2.436E+03	3.502E+03	1.847E+00	5.905E+02	1.373E+01	1.050E+01	9.885E+01	5.447E+03	2.483E+00	4.880E+00	4.129E+00	9.012E+00		1.027E+01	3.658E+01	3.765E+00	1.584E+00	3.077E-02	3.060E-02	1.681E-01	5.212E-01	9.641E+01	5.319E+00	1.162E+01	1.321E+00	5.075E+00	9.823E-01	2.391E-01	1.022E+00	1.322E-01	6.882E-01	1.289E-01	3.831E-01	5.534E-02	3.524E-01	5.255E-02	3.758E+00	1.319E+00	3.147E-01
9	19/01/08 11:51	20/01/08 11:20	12.594	-30.426	12.5368	-33.0352	49.716	6.514E+03	2.436E+03	1.034E+04	2.254E+03	4.081E+03	1.874E+00	5.492E+02	1.373E+01	1.064E+01	9.582E+01	5.386E+03	2.393E+00	4.790E+00	4.547E+00	1.064E+01		9.463E+00	4.972E+01	3.575E+00	1.196E+00	2.642E-02	3.479E-02	1.510E-01	4.929E-01	8.371E+01	5.162E+00	1.084E+01	1.254E+00	4.781E+00	9.249E-01	2.203E-01	9.729E-01	1.231E-01	6.431E-01	1.237E-01	3.620E-01	5.157E-02	3.341E-01	4.855E-02	3.518E+00	1.266E+00	3.212E-01
10	20/01/08 12:00	21/01/08 11:22	12.534	-33.153	12.5389	-35.5035	46.55	5.189E+03	1.002E+03	1.950E+03	6.543E+02	1.078E+03	3.717E-01	1.044E+02	2.867E+00	2.708E+00	1.924E+01	1.247E+03	5.001E-01	1.093E+00	1.001E+00	6.442E+00		1.958E+00	1.134E+01	6.069E-01	3.825E-01	3.422E-03	1.306E-02	2.460E+00	9.766E-02	2.087E+01	1.000E+00	2.106E+00	2.436E-01	9.351E-01	1.810E-01	4.418E-02	1.842E-01	2.320E-02	1.204E-01	2.283E-02	6.859E-02	1.005E-02	6.412E-02	9.160E-03	9.872E-01	2.396E-01	5.964E-02
11	21/01/08 12:07	22/01/08 10:55	12.541	-35.405	12.6161	-32.9446	47.571	4.306E+03	5.204E+02	1.119E+01	1.774E+02	1.795E+02	8.279E-03			4.810E-01	2.333E-01	8.118E+00	5.986E-03	3.072E-02	4.628E-02	3.352E+00		8.627E-02	2.719E+00				1.069E-02		6.483E-03	7.849E-02	7.876E-03	1.869E-02	1.712E-03	6.557E-03	9.079E-04	3.187E-04	1.404E-03	1.558E-04	1.239E-03	2.373E-04	7.335E-04	5.904E-05	5.265E-04	7.980E-05	2.123E-01	1.420E-03	2.288E-03
12	22/01/08 11:50	23/01/08 13:40	12.606	-32.790	12.5041	-30.6479	56.02	2.475E+03	3.016E+02	1.582E+01	1.083E+02	1.214E+02	8.578E-03	4.830E-01	1.016E-02	3.251E-01	2.624E-01	1.031E+01	3.888E-03	5.535E-02	1.092E-01	9.291E-01		6.532E-02	1.614E+00				9.768E-03		6.914E-03	9.841E-02	9.390E-03	2.169E-02	2.140E-03	7.430E-03	1.600E-03	3.693E-04	1.456E-03	2.032E-04	1.210E-03	1.712E-04	4.310E-04	1.145E-04	7.098E-04	8.882E-05	2.153E-01	2.306E-03	1.708E-03
13	23/01/08 17:31	24/01/08 14:58	12.999	-30.634	16.1288	-30.6364	53.121				8.344E-01																																			
14	24/01/08 16:24	25/01/08 09:45	16.141	-30.578	16.1711	-30.6367	36.799	2.312E+03	4.521E+02	1.181E+03	3.111E+02	5.079E+02	1.988E-01	6.468E+01	1.525E+00	2.066E+00	1.133E+01	6.551E+02	2.969E-01	6.994E-01	1.006E+00	1.742E+00		1.109E+00	5.381E+00	3.511E-01	2.522E-01		1.843E-02		6.327E-02	8.317E+00	6.407E-01	1.327E+00	1.542E-01	5.879E-01	1.098E-01	2.504E-02	1.183E-01	1.507E-02	7.763E-02	1.461E-02	4.387E-02	5.952E-03	4.104E-02	5.675E-03	5.545E-01	1.446E-01	3.739E-02
15	25/01/08 10:32	25/01/08 19:30	16.177	-30.638	16.2009	-30.6691	22.414	3.231E+03	2.889E+03	2.038E+04	3.569E+03	4.769E+03	3.666E+00	1.186E+03	2.524E+01	2.124E+01	1.691E+02	1.043E+04	4.365E+00	8.978E+00	7.757E+00	1.738E+01		1.709E+01	5.090E+01	7.279E+00	4.135E+00	5.290E-02	5.619E-02	7.987E-01	9.102E-01	1.268E+02	1.104E+01	2.297E+01	2.659E+00	1.001E+01	1.940E+00	4.280E-01	1.992E+00	2.559E-01	1.339E+00	2.507E-01	7.466E-01	1.073E-01	6.988E-01	9.985E-02	6.287E+00	2.512E+00	6.258E-01
16	25/01/08 20:11	26/01/08 09:09	16.206	-30.667	16.2254	-30.6575	31.138	3.563E+03	4.076E+03	3.202E+04	5.092E+03	6.363E+03	5.434E+00	1.950E+03	3.854E+01	3.199E+01	2.788E+02	1.586E+04	7.195E+00	1.453E+01	1.204E+01	2.494E+01		2.767E+01	7.272E+01	1.273E+01	6.572E+00	1.149E-01	8.329E-02	8.560E-01	1.403E+00	1.932E+02	1.861E+01	3.956E+01	4.518E+00	1.707E+01	3.280E+00	7.189E-01	3.394E+00	4.336E-01	2.251E+00	4.276E-01	1.264E+00	1.792E-01	1.179E+00	1.698E-01	9.593E+00	4.236E+00	1.045E+00
17	26/01/08 10:50	26/01/08 19:50	16.219	-30.632	16.2040	-30.6375	21.082	3.413E+03	3.451E+03	2.345E+04	3.993E+03	5.575E+03	4.184E+00	1.358E+03	2.964E+01	2.236E+01	2.115E+02	1.141E+04	5.554E+00	1.035E+01	8.808E+00	1.865E+01		1.932E+01	5.670E+01	8.617E+00	4.417E+00	7.194E-02	6.761E-02	3.913E-01	9.922E-01	1.418E+02	1.285E+01	2.672E+01	3.132E+00	1.193E+01	2.257E+00	5.073E-01	2.353E+00	2.977E-01	1.551E+00	2.969E-01	8.687E-01	1.246E-01	8.109E-01	1.169E-01	7.063E+00	2.679E+00	7.324E-01
18	26/01/08 20:40	27/01/08 09:11	16.200	-30.639	16.2576	-30.6596	30.096	3.815E+03	3.404E+03	2.214E+04	3.736E+03	5.941E+03	3.786E+00	1.275E+03	2.707E+01	2.192E+01	1.995E+02	1.081E+04	5.110E+00	1.011E+01	8.807E+00	1.757E+01		1.877E+01	5.728E+01	8.238E+00	3.854E+00	5.705E-02	6.360E-02	4.945E-01	9.629E-01	1.398E+02	1.182E+01	2.497E+01	2.885E+00	1.093E+01	2.081E+00	4.653E-01	2.169E+00	2.774E-01	1.438E+00	2.719E-01	7.966E-01	1.130E-01	7.378E-01	1.101E-01	6.375E+00	2.582E+00	6.832E-01
19	27/01/08 09:45	27/01/08 20:38	16.222	-30.644	16.2469	-30.6590	25.528	4.501E+03	2.200E+03	1.396E+04	2.336E+03	3.271E+03	2.367E+00	8.126E+02	1.651E+01	1.546E+01	1.172E+02	7.085E+03	3.018E+00	6.240E+00	5.252E+00	1.243E+01		1.134E+01	3.411E+01	4.901E+00	3.158E+00	4.118E-02	4.163E-02	2.347E-01	5.730E-01	8.391E+01	7.401E+00	1.532E+01	1.801E+00	6.804E+00	1.267E+00	2.840E-01	1.352E+00	1.699E-01	8.881E-01	1.683E-01	4.997E-01	6.976E-02	4.564E-01	6.630E-02	4.213E+00	1.749E+00	4.207E-01
20	27/01/08 21:10	28/01/08 09:48	16.248	-30.665	16.5991	-28.5761	28.852	4.351E+03	2.390E+03	1.439E+04	2.392E+03	3.851E+03	2.429E+00	8.108E+02	1.750E+01	1.481E+01	1.269E+02	7.164E+03	3.135E+00	6.681E+00	5.376E+00	1.126E+01		1.189E+01	4.125E+01	5.100E+00	3.200E+00	4.492E-02	4.850E-02	2.600E-01	5.949E-01	9.086E+01	7.674E+00	1.607E+01	1.853E+00	6.983E+00	1.352E+00	2.978E-01	1.403E+00	1.801E-01	9.479E-01	1.795E-01	5.315E-01	7.646E-02	4.883E-01	7.143E-02	4.397E+00	1.826E+00	4.543E-01
21	28/01/08 10:35	28/01/08 22:32	16.626	-28.446	17.0043	-26.5056	24.923	6.493E+03	3.134E+03	1.319E+04	3.169E+03	5.781E+03	2.415E+00	6.755E+02	1.865E+01	1.406E+01	1.197E+02	7.227E+03	3.156E+00	6.938E+00	5.623E+00	1.332E+01		1.359E+01	5.384E+01	4.477E+00	2.458E+00	3.597E-02	5.904E-02	2.312E-01	7.272E-01	1.131E+02	6.601E+00	1.391E+01	1.631E+00	6.149E+00	1.176E+00	2.778E-01	1.231E+00	1.580E-01	8.219E-01	1.575E-01	4.682E-01	6.839E-02	4.392E-01	6.536E-02	4.693E+00	1.701E+00	4.177E-01
22	28/01/08 23:34	29/01/08 09:38	17.012	-26.513	18.4896	-26.6753	23.416	6.790E+03	5.161E+03	2.770E+04	5.288E+03	9.217E+03	5.060E+00	1.497E+03	3.455E+01	2.811E+01	2.321E+02	1.405E+04	6.093E+00	1.300E+01	1.029E+01	2.351E+01		2.600E+01	1.333E+02	9.916E+00	5.138E+00	8.192E-02	7.654E-02	7.910E-01	1.389E+00	1.985E+02	1.433E+01	3.039E+01	3.514E+00	1.332E+01	2.551E+00	5.816E-01	2.670E+00	3.407E-01	1.782E+00	3.415E-01	1.010E+00	1.450E-01	9.292E-01	1.368E-01	8.668E+00	3.448E+00	9.105E-01
23	29/01/08 14:38	30/01/08 10:16	19.332	-26.776	22.2523	-27.1273	45.648	4.222E+03	4.279E+03	2.293E+04	4.533E+03	8.783E+03	4.198E+00	1.228E+03	2.988E+01	2.419E+01	2.066E+02	1.241E+04	5.390E+00	1.107E+01	9.619E+00	2.051E+01		2.198E+01	8.740E+01	8.566E+00	4.800E+00	8.985E-02	8.812E-02	1.574E+00	1.111E+00	1.800E+02	1.204E+01	2.603E+01	2.973E+00	1.126E+01	2.177E+00	4.996E-01	2.252E+00	2.910E-01	1.513E+00	2.876E-01	8.451E-01	1.222E-01	7.801E-01	1.123E-01	6.932E+00	2.880E+00	7.417E-01
24	30/01/08 11:00	30/01/08 19:32	22.383	-27.142	23.3760	-27.5087	20.424	3.933E+03	4.909E+03	3.621E+04	6.064E+03	7.698E+03	6.374E+00	1.794E+03	4.140E+01	3.478E+01	3.068E+02	1.852E+04	7.980E+00	1.559E+01	1.362E+01	6.103E+01		3.098E+01	8.499E+01	1.265E+01	4.320E+00	8.592E-02	1.649E-01	5.611E-01	1.514E+00	2.429E+02	1.936E+01	4.032E+01	4.642E+00	1.745E+01	3.356E+00	7.427E-01	3.440E+00	4.382E-01	2.289E+00	4.345E-01	1.285E+00	1.833E-01	1.193E+00	1.719E-01	9.912E+00	4.432E+00	1.102E+00
25	30/01/08 20:15	31/01/08 09:20	23.494	-27.576	25.0929	-28.4814	30.506	1.009E+04	3.859E+03	2.059E+04	3.888E+03	5.194E+03	3.638E+00	1.040E+03	2.474E+01	2.130E+01	1.827E+02	1.061E+04	4.575E+00	8.782E+00	7.059E+00	1.615E+01		1.709E+01	5.365E+01	7.070E+00	8.997E-01	2.324E-02	4.023E-02	4.100E-02	8.546E-01	1.434E+02	1.056E+01	2.209E+01	2.581E+00	9.733E+00	1.867E+00	4.198E-01	1.934E+00	2.496E-01	1.301E+00	2.447E-01	7.296E-01	1.041E-01	6.676E-01	9.623E-02	5.654E+00	2.458E+00	6.092E-01
26	31/01/08 10:18	01/02/08 12:18	25.126	-28.388	26.2271	-26.0952	43.944	1.173E+04	2.060E+03	4.454E+03	1.285E+03	1.873E+03	8.187E-01	2.430E+02	7.845E+00	5.768E+00	3.891E+01	1.747E+03	1.071E+00	3.157E+00	2.222E+00	7.071E+00		4.118E+00	2.089E+01	1.660E+00	1.018E+00	1.594E-02	5.839E-02	6.822E-01	2.062E-01	3.287E+01	2.392E+00	4.900E+00	5.751E-01	2.155E+00	4.136E-01	9.379E-02	4.368E-01	5.679E-02	2.976E-01	5.667E-02	1.681E-01	2.429E-02	1.538E-01	2.202E-02	1.764E+01	5.990E-01	1.496E-01
27	01/02/08 13:05	02/02/08 10:42	26.239	-26.009	26.6492	-23.3761	34.03	6.383E+03	8.043E+02	2.796E+02	3.375E+02	3.884E+02	6.020E-02	1.570E+01	1.949E+00	1.777E+00	2.878E+00	1.684E+02	7.752E-02	8.101E-01	4.400E-01	2.656E+00		4.380E-01	4.870E+00	1.699E-01	5.918E-02	3.082E-03	2.799E-02	3.219E-02	2.361E-02	1.951E+00	1.659E-01	3.118E-01	3.550E-02	1.347E-01	2.290E-02	6.148E-03	2.740E-02	3.600E-03	1.763E-02	3.293E-03	1.024E-02	1.508E-03	9.436E-03	1.477E-03	1.524E+00	3.557E-02	1.167E-02
28	02/02/08 12:08	03/02/08 12:52	26.689	-23.126	27.2009	-20.2799	50.894	2.274E+03	2.870E+02	1.765E+02	1.515E+02	1.483E+02	3.775E-02	9.717E+00	4.851E-01	1.037E+00	1.789E+00	9.409E+01	4.161E-02	1.992E-01	2.297E-01	4.451E-01		2.825E-01	1.799E+00		4.377E-02		4.988E-03		1.240E-02	9.722E-01	1.019E-01	2.200E-01	2.520E-02	9.386E-02	1.811E-02	3.950E-03	1.846E-02	2.271E-03	1.214E-02	2.341E-03	7.109E-03	1.007E-03	6.493E-03	8.793E-04	2.433E-01	2.364E-02	7.431E-03
29	03/02/08 14:00	04/02/08 11:30	27.221	-20.047	28.0555	-16.1796	41.012	1.774E+03	2.235E+02	5.091E+01	8.970E+01	1.507E+02	1.154E-02	4.311E-01	1.525E+00	7.348E-01	5.479E-01	2.375E+01	1.236E-01	1.221E+00	6.445E-01	5.905E+00		7.326E-02	1.349E+00		5.366E-01		5.032E-03		4.935E-03	4.660E-01	2.781E-02	5.452E-02	5.957E-03	2.199E-02	4.721E-03	1.063E-03	4.096E-03	5.825E-04	3.103E-03	5.684E-04	1.640E-03	2.692E-04	1.567E-03	1.836E-04	1.768E-01	3.228E-03	2.698E-03