

Table S6. Mean (SE) biogenic volatile organic compound (BVOC) emissions from a high arctic *Salix*-dominated heath in control and warming treatments (n=4) during a 24-hour period the 25-26 July.

Emission ($\mu\text{g m}^{-2} \text{h}^{-1}$)	Control								Warming							
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Isoprene	<0.01	<0.01	5.14 (3.78)	3.46 (2.20)	97.37 (61.22)	175.7 (66.43)	37.17 (27.22)	1.63 (0.83)	<0.01	<0.01	1.97 (0.74)	12.60 (11.06)	104.1 (43.12)	290.4 (111.2)	223.1 (60.52)	7.43 (4.30)
Monoterpenes																
1,8-cineole	<0.01	<0.01	0.02 (0.02)	<0.01	0.03 (0.03)	0.04 (0.02)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09 (0.03)	0.08 (0.05)	0.03 (0.03)	<0.01
β -Ocimene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08 (0.08)	0.12 (0.12)	0.04 (0.04)	<0.01
Bornyl acetate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03 (0.03)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total MTs	<0.01	<0.01	0.02 (0.02)	<0.01	0.03 (0.03)	0.04 (0.02)	<0.01	0.03 (0.03)	<0.01	<0.01	<0.01	<0.01	0.17 (0.09)	0.20 (0.10)	0.07 (0.04)	<0.01
ORVOCs																
2-methylfuran	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.24 (0.24)	<0.01
Benzene	<0.01	<0.01	<0.01	0.18 (0.18)	<0.01	<0.01	0.35 (0.35)	<0.01	<0.01	<0.01	<0.01	<0.01	0.30 (0.30)	<0.01	<0.01	<0.01
Heptanal	<0.01	<0.01	<0.01	<0.01	0.15 (0.15)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzaldehyde	<0.01	<0.01	<0.01	<0.01	0.22 (0.22)	0.18 (0.18)	0.43 (0.43)	<0.01	<0.01	<0.01	<0.01	<0.01	0.54 (0.54)	0.31 (0.31)	<0.01	0.19 (0.19)
Octanal	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.27 (0.27)	<0.01
2-hydroxy-benzaldehyde	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.16 (0.16)	0.07 (0.07)	<0.01	<0.01
Nonanal	<0.01	<0.01	<0.01	<0.01	<0.01	0.75 (0.75)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Decanal	<0.01	<0.01	<0.01	<0.01	<0.01	0.15 (0.10)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09 (0.09)	<0.01	<0.01
3-methoxy-17-methyl-morphinan-14-ol	<0.01	<0.01	<0.01	<0.01	0.05 (0.04)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total ORVOC	<0.01	<0.01	<0.01	0.18 (0.18)	0.42 (0.35)	1.08 (0.79)	0.78 (0.78)	<0.01	<0.01	<0.01	<0.01	<0.01	1.01 (1.01)	0.46 (0.36)	0.51 (0.30)	0.19 (0.19)
Other VOCs																
2-methyl-butane	<0.01	<0.01	7.34 (7.24)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	3.76 (3.76)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methacrylic acid methyl ester	<0.01	<0.01	<0.01	0.53 (0.53)	2.30 (1.36)	4.87 (2.75)	1.38 (0.82)	0.28 (0.28)	<0.01	<0.01	<0.01	<0.01	5.19 (5.19)	8.14 (4.74)	5.28 (1.03)	0.70 (0.70)
Toluene	0.32 (0.02)	0.38 (0.03)	0.53 (0.05)	0.41 (0.03)	0.46 (0.03)	0.60 (0.06)	0.34 (0.12)	0.27 (0.09)	0.32 (0.02)	0.35 (0.03)	0.43 (0.05)	0.38 (0.02)	0.59 (0.09)	0.54 (0.07)	0.45 (0.05)	0.37 (0.03)
Methoxy-phenyl-oxime	<0.01	<0.01	<0.01	<0.01	0.05 (0.05)	0.27 (0.27)	0.68 (0.68)	<0.01	<0.01	<0.01	<0.01	<0.01	0.40 (0.40)	<0.01	<0.01	<0.01
Total other VOCs	0.32 (0.02)	0.38 (0.03)	7.87 (7.36)	0.94 (0.55)	2.80 (1.42)	5.74 (3.03)	2.39 (0.83)	0.55 (0.33)	0.32 (0.02)	4.10 (3.77)	0.43 (0.05)	0.38 (0.02)	6.60 (6.09)	8.68 (4.71)	5.74 (1.08)	1.07 (0.67)
Total BVOCs	0.32 (0.02)	0.38 (0.03)	13.03 (11.10)	4.59 (2.71)	100.6 (60.39)	182.6 (64.28)	40.4 (27.43)	2.21 (0.73)	0.32 (0.02)	4.10 (3.77)	2.40 (0.71)	12.98 (11.06)	111.9 (37.54)	299.7 (111.5)	229.4 (61.57)	8.69 (4.01)