Prominent bacterial heterotrophy and sources of ^{13}C-depleted fatty acids to the interior Canada Basin

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Supplementary material

Supplementary Table 1. $\delta^{13}C$ values of POC and FAMEs in the Canada Basin prior to sorption blank corrections

	DOC blank		**seasonally ice-free station CB4**																**ice-covered station CB9**							
			50 m		150 m		1000 m		2000 m		2500 m		3000 m		3500 m		3750 m		50 m		150 m		500 m		1000 m	
	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±	(‰)	±
POC	**-25.1**	**0.1**	**-29.5**	**0.1**	**-24.8**	**0.1**	**-22.7**	**0.1**	**-23.0**	**0.1**	**-22.7**	**0.1**	**-24.5**	**0.1**	**-24.3**	**0.1**	**-24.6**	**0.1**	**-27.0**	**0.1**	n.d.		**-24.1**	**0.1**	n.d.	
12:0	-27.9	1.0			-29.5	0.3	-27.5	0.4					-32.1	2.6	-30.3	0.9	-30.0	0.6								
14:0	-30.0	0.3	-36.2	0.7	-30.1	0.5	-24.1	0.5	-25.2	0.6	-27.2	0.3	-26.4	0.3	-26.4	0.4	-26.9	0.3	-34.5	0.4	-27.9	0.3	-27.1	0.4	-25.8	1.3
15:0			-34.0	0.7	-25.7	0.3	-22.7	1.1	-22.4	1.1	-24.8	0.6	-26.2	0.6	-25.7	0.3	-28.3	0.5	-30.8	0.4			-25.4	0.4	-22.3	0.9
16:0	-26.5	0.4	-35.8	0.3	-29.5	0.3	-26.1	0.5	-27.7	0.4	-27.7	0.4	-25.1	0.3	-25.5	0.3	-26.2	0.4	-35.1	0.3	-28.8	0.6	-27.8	0.4	-27.1	0.4
17:0					-28.5	0.5	-23.3	1.0	-23.7	1.0			-23.1	0.6	-23.0	0.8	-23.8	0.6					-25.2	0.7		
18:0	-25.9	0.3	-30.0	0.5	-28.6	0.3	-28.1	0.3	-27.5	0.3	-27.4	0.3	-24.7	0.6	-24.5	0.3	-26.8	0.3	-29.6	0.7	-28.9	0.3	-28.1	0.3	-28.6	0.3
SFA	**-26.4**	**2.3**	**-35.4**	**3.1**	**-29.7**	**2.6**	**-27.1**	**2.3**	**-27.7**	**2.4**	**-27.8**	**2.4**	**-23.9**	**2.0**	**-24.8**	**2.2**	**-27.3**	**2.3**	**-34.2**	**3.0**	**-29.1**	**2.5**	**-27.9**	**2.4**	**-27.9**	**2.4**
i-15:0			-31.2	0.5	-24.6	0.5	-21.8	0.5	-21.7	0.8	-23.1	0.7	-24.4	0.9	-25.1	0.5	-22.7	0.5	-26.3	0.4			-23.9	0.3	-22.6	1.5
ai-15:0			-28.4	0.3	-24.1	0.3	-22.7	0.3	-22.7	0.5	-22.6	1.3	-23.8	0.6	-24.6	0.3	-22.7	0.6	-24.7	0.3			-22.9	0.3	-22.0	0.3
i-17:0							-21.0	0.9					-41.8	2.8	-39.8	0.3	-22.1	0.9					-23.0	0.3		
BFA			**-30.0**	**2.6**	**-24.4**	**2.0**	**-22.1**	**1.8**	**-22.3**	**1.6**	**-22.8**	**1.3**	**-27.4**	**1.6**	**-27.3**	**2.3**	**-22.6**	**1.6**	**-25.8**	**2.2**			**-23.4**	**2.0**	**-22.3**	**1.4**
16:1n9																			-28.6	0.3						
18:1n9																			-32.7	0.4						
MUFA																			**-29.9**	**2.7**						
18:2n6																			-26.5	0.9						
$\Delta_{POC - SFA}$	**1.3**		**5.8**		**4.9**		**4.3**		**4.7**		**5.1**		**-0.7**		**0.3**		**2.6**		**7.2**				**3.7**			
$\Delta_{POC - BFA}$			**0.5**		**-0.4**		**-0.6**		**-0.7**		**0.1**		**2.9**		**3.0**		**-2.0**		**-1.2**				**-0.7**			
$\Delta_{SFA - BFA}$			**-5.3**		**-5.3**		**-4.9**		**-5.4**		**-5.0**		**3.6**		**2.6**		**-4.6**		**-8.4**				**-4.5**		**-5.6**	

n.d. not determined