

Station	Average $\delta^{13}\text{C}_{\text{DIC}}$ remineralized	Marine end-member	Terrestrial end-member	^{35}S -SRR-based terrestrial degradation rate	DIC-based terrestrial degradation rate	
	‰ vs. VPDB	Mass fraction		$\text{mmol m}^{-2} \text{d}^{-1}$		
1	-35.8	0.0	1.0	0.13	0.11	
4	-24.7	0.73	0.27	0.05	0.04	
6	-25.1	0.65	0.35	0.01	0.03	
23	-24.5	0.78	0.22	0.12	0.03	
24	-24.7	0.73	0.27	0.11	0.06	
27	-25.4	0.58	0.42	0.12	0.11	
30	-28.5	0.00	1.00	0.05	0.13	
Average Laptev Sea shelf		-25.6	0.53	0.47	0.08	0.07
40	-21.4	0.72	0.28	0.08	0.05	
45	-22.2	0.63	0.37	0.08	0.14	
48	-23.0	0.54	0.46	0.28	0.32	
50	-24.0	0.43	0.57	0.77	0.57	
53	-18.8	1.00	0.00	0.00	0.00	
58	-22.6	0.59	0.41	0.42	0.53	
63	-20.3	0.84	0.16	0.25	0.22	
Average East Siberian Sea shelf		-21.8	0.68	0.32	0.27	0.26