

(a)								
Site	Intended deployments	Completed deployments	Deployments for comparison	Samplers for comparison (<i>n</i>)	Replicate RSD (%)	Uptake rate (ng day ⁻¹)	Calculated SR (m ³ day ⁻¹)	Temp./wind speed adjusted SR (m ³ day ⁻¹)
Ningbo	19	19	10	30	3.9 ± 2.7	0.357 ± 0.048	0.1297 ± 0.009 ₁	0.1346 ± 0.003 ₁
Xiamen	7	7	0	0	4.3 ± 2.2	0.386 ± 0.03 ₆	–	–
Mt. Lulin	1	1	1	3	1.2	0.202 ₈ ± 0.002 ₅	0.128 ₁ ± 0.001 ₆	0.137 ₃
Salt Lake City	7	7	1	3	4.8 ± 2.8	0.234 ₂ ± 0.015	0.144 ₆ ± 0.011	0.150 ₃
Beltsville	3	3	3	9	2.5 ± 1.8	0.195 ₈ ± 0.010	0.156 ₄ ± 0.004 ₂	0.133 ₂ ± 0.002 ₈
Put-in-Bay	3	3	3	9	1.2 ± 0.4	0.226 ₂ ± 0.008 ₈	0.141 ₄ ± 0.002 ₉	0.143 ₉ ± 0.003 ₀
Grand Bay	3	1	1	3	1.9	0.212 ₉ ± 0.004 ₀	0.159 ₆ ± 0.003 ₀	0.142 ₆
New York City	7	7	7	21	3.9 ± 1.8	0.218 ₅ ± 0.015	0.123 ₇ ± 0.006 ₃	0.133 ₉ ± 0.005 ₁
Mauna Loa	7	7	7	21	2.8 ± 1.9	0.103 ₁ ± 0.003 ₃	0.119 ₆ ± 0.006 ₂	0.136 ₂ ± 0.001 ₄
Kejimkujik	7	7	7	20	3.2 ± 2.9	0.160 ₂ ± 0.012	0.136 ₁ ± 0.006 ₃	0.130 ₀ ± 0.005 ₅
Little Fox Lake	17	17	17	49	3.2 ± 2.2	0.197 ₂ ± 0.016	0.136 ₃ ± 0.009 ₀	0.130 ₅ ± 0.007 ₂
Alert	19	14	14	36	3.0 ± 3.4	0.20 ₀ ± 0.04 ₈	0.134 ₆ ± 0.012	0.133 ₄ ± 0.005 ₅
Ucluelet	7	7	7	21	2.9 ± 2.3	0.186 ₂ ± 0.010	0.144 ₄ ± 0.006 ₃	0.134 ₂ ± 0.002 ₂
St. Anicet	3	3	3	9	1.4 ± 0.6	0.196 ₈ ± 0.003 ₂	0.158 ₉ ± 0.007 ₃	0.137 ₃ ± 0.005 ₅
Egbert	3	3	3	9	1.5 ± 0.2	0.206 ₀ ± 0.002 ₈	0.145 ₅ ± 0.004 ₂	0.133 ₉ ± 0.005 ₁
Waldhof	17	17	17	46	6.9 ± 4.8	0.20 ₆ ± 0.02 ₀	0.124 ₀ ± 0.013	0.134 ₄ ± 0.004 ₀
Hunter Valley	3	1	0	0	3.8	0.155 ₄ ± 0.005 ₄	–	–
Sydney	3	2	0	0	3.2 ± 1.2	0.140 ₄ ± 0.005 ₀	–	–
Cape Grim	3	3	3	8	1.8 ± 0.8	0.162 ₉ ± 0.003 ₀	0.184 ₇ ± 0.003 ₅	0.157 ₂ ± 0.002 ₀
Gunn Point	3	3	3	9	0.7 ± 0.3	0.142 ₂ ± 0.005 ₃	0.147 ₃ ± 0.003 ₆	0.157 ₂ ± 0.000 ₆
TOTAL	142	132	107	306	3.6 ± 3.0	–	0.135 ₄ ± 0.016	0.135 ₄ ± 0.007 ₇
(b)								
Site	Original SR			Recalibrated SR		Adjusted SR		
	Active conc. (ng m ⁻³)	Passive conc. (ng m ⁻³)	Uncertainty MND (%)	Passive conc. (ng m ⁻³)	Uncertainty MND (%)	Passive conc. (ng m ⁻³)	Uncertainty MND (%)	
Ningbo	2.93 ± 0.44	3.13 ± 0.41	8.5 ± 5.9	2.80 ± 0.37	6.4 ± 4.5	2.81 ± 0.38	6.8 ± 4.8	
Xiamen	–	–	–	–	–	–	–	
Mt. Lulin	1.58	1.67 ± 0.02	5.9 ± 1.3	1.50 ± 0.02	5.3 ± 1.2	1.47 ± 0.02	6.7 ± 1.2	
Salt Lake City	1.67	1.99 ± 0.15	19.4 ± 9.1	1.78 ± 0.14	8.3 ± 5.6	1.60 ± 0.12	5.2 ± 5.8	
Beltsville	1.25 ± 0.05	1.62 ± 0.08	29.2 ± 3.4	1.45 ± 0.07	15.5 ± 3.1	1.47 ± 0.10	17.5 ± 4.6	
Put-in-Bay	1.42 ± 0.03	1.66 ± 0.05	16.8 ± 2.4	1.49 ± 0.05	4.4 ± 2.1	1.40 ± 0.07	3.1 ± 1.4	
Grand Bay	1.33	1.76 ± 0.03	31.8 ± 2.4	1.57 ± 0.03	17.9 ± 2.2	1.49 ± 0.03	11.9 ± 2.1	
New York City	1.77 ± 0.05	1.81 ± 0.12	4.3 ± 3.4	1.62 ± 0.11	8.6 ± 4.6	1.64 ± 0.12	7.6 ± 4.6	
Mauna Loa	0.86 ± 0.04	0.85 ± 0.03	4.3 ± 2.8	0.76 ± 0.02	12.0 ± 4.5	0.76 ± 0.03	12.2 ± 4.6	
Kejimkujik	1.18 ± 0.10	1.32 ± 0.10	12.5 ± 5.2	1.18 ± 0.09	3.7 ± 2.7	1.24 ± 0.13	5.1 ± 3.5	
Little Fox Lake	1.45 ± 0.05	1.63 ± 0.13	13.5 ± 5.6	1.46 ± 0.11	4.4 ± 5.0	1.51 ± 0.12	6.3 ± 4.4	
Alert	1.39 ± 0.21	1.54 ± 0.26	12.9 ± 8.6	1.38 ± 0.23	6.8 ± 6.7	1.40 ± 0.20	7.0 ± 6.0	
Ucluelet	1.29 ± 0.05	1.54 ± 0.08	19.3 ± 5.2	1.38 ± 0.07	7.4 ± 3.3	1.39 ± 0.08	8.1 ± 3.1	
St. Anicet	1.21 ± 0.05	1.59 ± 0.02	34.4 ± 6.0	1.42 ± 0.02	17.4 ± 5.4	1.40 ± 0.06	15.4 ± 1.7	
Egbert	1.41 ± 0.03	1.70 ± 0.02	20.2 ± 3.4	1.52 ± 0.02	7.5 ± 3.1	1.54 ± 0.06	8.7 ± 2.1	
Waldhof	1.66 ± 0.08	1.70 ± 0.17	9.0 ± 6.6	1.52 ± 0.15	10.6 ± 7.3	1.53 ± 0.15	11.0 ± 6.8	
Hunter Valley	–	–	–	–	–	–	–	
Sydney	–	–	–	–	–	–	–	
Cape Grim	0.88 ± 0.00	1.35 ± 0.02	52.6 ± 2.9	1.20 ± 0.02	36.4 ± 2.6	1.03 ± 0.02	17.4 ± 2.2	
Gunn Point	0.96 ± 0.01	1.17 ± 0.04	21.7 ± 3.0	1.05 ± 0.04	8.8 ± 2.7	0.90 ± 0.03	6.3 ± 2.0	
TOTAL	1.52 ± 0.47	1.54 ± 0.51	14.2 ± 10	–	8.8 ± 7.3	–	8.7 ± 5.7	