

In reference to report:

Mack, T.J., 2009, Assessment of ground-water resources in the Seacoast region of New Hampshire: U.S. Geological Survey Scientific Investigations Report 2008–5222, 188 p., available online at <http://pubs.usgs.gov/sir/2008/5222>.

Appendix 10. Chlorofluorocarbon Analysis of Ground-Water Samples

Table

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Table 10–1. Chlorofluorocarbon analysis of ground-water samples for selected wells in the Seacoast model area, southeastern New Hampshire.

[Samples were analyzed at U.S. Geological Survey Reston Chlorofluorocarbon Laboratory. Time given is Eastern Standard Time, expressed as 24-hour time. ID, identifier; mo/d/yr, month/day/year; pmol, picomole; kg, kilogram]

Sample number	Sample ID	Sampling date (mo/d/yr)	Time	Uncorrected concentrations in solution			Corrected concentrations in solution		
				CFC-12 (pmol)	CFC-11 (pmol)	CFC-113 (pmol)	CFC-12 (pmol/kg)	CFC-11 (pmol/kg)	CFC-113 (pmol/kg)
1	GTW-141	2/1/2005	1247	0.04	2.31	0.01	0.04	2.39	0.01
2	GTW-141	2/1/2005	1249	.06	2.26	.01	.06	2.33	.01
3	HEW-46	10/13/2004	1442	1.80	.23	.09	1.80	.23	.09
4	HEW-46	10/13/2004	1444	1.68	.30	.10	1.82	.31	.10
5	HEW-46	10/13/2004	1440	1.80	.18	.04	1.98	.18	.05
6	HEW-47	10/13/2004	1224	2.51	55.43	.31	2.54	55.59	.32
7	HEW-47	10/13/2004	1228	2.55	59.70	.31	2.55	59.70	.31
8	NHW-44	2/2/2005	1150	1.35	5.41	.02	1.45	5.53	.02
9	NHW-44	2/2/2005	1153	1.27	5.21	.01	1.36	5.31	.02
10	NSW-72	10/7/2004	920	1.32	.72	.10	1.32	.72	.10
11	NSW-72	10/7/2004	930	1.23	.55	.07	1.24	.55	.07
12	NSW-72	10/7/2004	930	1.10	.48	.06	1.10	.48	.06
13	NSW-73	10/8/2004	1112	6.67	10.89	.10	6.67	10.89	.10
14	NSW-73	10/8/2004	1116	6.66	9.60	.09	6.66	9.60	.09
15	NSW-74	10/8/2004	1015	3.07	.15	.04	3.13	.15	.04
16	NSW-74	10/8/2004	1017	3.13	.14	.04	3.17	.14	.04
17	NSW-76	10/8/2004	919	2.35	.07	.05	2.38	.07	.05
18	NSW-76	10/8/2004	923	2.29	.07	.05	2.29	.07	.05
19	NSW-77	10/8/2004	822	3.55	.05	.01	3.80	.05	.02
20	NSW-77	10/8/2004	826	3.58	.05	.01	3.83	.05	.01
21	RYW-45	10/7/2004	1117	24.62	.04	.02	24.97	.04	.02
22	RYW-45	10/7/2004	1121	24.05	.05	.02	24.44	.05	.02
23	RYW-51	10/7/2004	1218	11.62	.06	.01	12.33	.06	.01
24	RYW-51	10/7/2004	1219	11.49	.03	.02	12.30	.03	.02
25	SGW-89	10/13/2004	1039	3.24	.53	.15	4.10	.57	.19
26	SGW-89	10/13/2004	1041	3.29	.51	.14	4.15	.55	.18
27	SGW-93	10/8/2004	1236	2.07	.01	.01	2.07	.01	.01
28	SGW-93	10/8/2004	1238	1.95	.02	.01	1.95	.02	.01
29	SSW-121	10/8/2004	1415	1.95	.10	.02	1.95	.10	.02
30	SSW-121	10/8/2004	1423	1.90	.11	.02	1.93	.11	.02
31	SSW-122	10/29/2004	1349	3.29	1.83	.25	3.32	1.83	.25
32	SSW-122	10/29/2004	1351	3.00	1.77	.23	3.24	1.81	.25