

APPENDIX 4

- 1. General chemistry data for well, spring, and stream waters.**
- 2. Trace element chemistry data for well, spring, and stream waters.**
- 3. CFC data and recharge ages.**

Appendix 4.3—CFC data and recharge ages.

Site ID	Lab ID	Date	Water Concentration Corrected for Stripping Efficiency				Equivalent Atmospheric Concentration				Recharge Age in years before sampling date			
			SF6	CFC12	CFC11	CFC113	SF6	CFC12	CFC11	CFC113	SF6	CFC 12	CFC 11	CFC 113
			pmol/Kg	pmol/Ka	pmol/Ka	pmol/Kg	pmol/mol	pmol/mol	pmol/mol	pmol/mol				
EB-223	108.01	10/4/11	0.001974	2.295	2.830	0.220	6.7	573.1	184.5	46.8	3	Ss	30	26
EB-223	0108.01D	10/4/11	0.002408	2.436	2.988	0.243	8.2	608.4	194.8	51.6	Ss	Ss	29	25
EB-223	0108.01D2	10/4/11	0.001626	2.395	3.003	0.242	5.6	598.1	195.8	51.4	7	Ss	29	25
EB-303	108.03	6/22/11	0.009541	208.845	48.345	2.214	32.6	52154.8	3152.0	470.2	Ss	Ss	Ss	Ss
EB-303	0108.03D	6/22/11	0.006815	241.219	50.619	2.335	23.3	60239.6	3300.3	495.9	Ss	Ss	Ss	Ss
EB-303	0108.03D2	6/22/11	0.006557	239.816	50.594	2.304	22.4	59889.4	3298.7	489.3	Ss	Ss	Ss	Ss
EB-313	108.02	6/22/11	0.001916	8.919	0.239	0.524	6.5	2227.4	15.6	111.2	3	Ss	49	Ss
EB-313	0108.02D	6/22/11	0.003710	9.039	0.310	0.584	12.7	2257.4	20.2	124.1	Ss	Ss	48	Ss
EB-313	0108.02D2	6/22/11	0.005401	9.599	0.334	0.724	18.5	2397.2	21.8	153.8	Ss	Ss	48	Ss
EB-332	108.04	7/21/11	0.006324	2.762	2.953	0.300	21.6	689.7	192.5	63.8	Ss	Ss	29	23
EB-332	0108.04D	7/21/11	0.006772	2.583	2.802	0.308	23.1	645.0	182.7	65.4	Ss	Ss	30	23
EB-332	0108.04D2	7/21/11	0.006565	2.637	2.645	0.305	22.4	658.5	172.5	64.8	Ss	Ss	32	23
EB-373	108.06	10/20/11	0.003165	26.746	14.646	2.045	10.8	6679.2	954.9	434.3	Ss	Ss	Ss	Ss
EB-373	0108.06D	10/20/11	0.001671	27.267	14.996	2.107	5.7	6809.3	977.7	447.5	7	Ss	Ss	Ss
EB-373	0108.06D2	10/20/11	0.002641	26.975	14.957	2.116	9.0	6736.6	975.2	449.4	Ss	Ss	Ss	Ss
LC-006	108.05	6/21/11	0.003538	0.482	0.789	0.084	12.1	120.3	51.5	17.9	Ss	42	42	33
LC-006	0108.05D	6/21/11	0.003729	0.776	0.967	0.106	12.7	193.7	63.1	22.5	Ss	38	41	31
LC-006	0108.05D2	6/21/11	0.003811	0.496	0.796	0.036	13.0	124.0	51.9	7.6	Ss	42	42	38
LC-008	108.07	6/22/11	0.005307	5.323	0.071	0.111	18.1	1329.4	4.6	23.5	Ss	Ss	56	31
LC-008	0108.07D	6/22/11	0.003116	4.610	0.052	0.019	10.7	1151.3	3.4	4.0	Ss	Ss	57	41
LC-008	0108.07D2	6/22/11	0.004511	2.879	0.123	0.011	15.4	719.0	8.0	2.3	Ss	Ss	53	44

Input data:

Ss — "Supersaturated" means there are additional non-atmospheric sources of the CFC or SF6 that overwhelm concentrations from natural sources.

Recharge temperature: 11°C

Recharge elevation: 2100 m