

Table T8. Composition of interstitial water, Hole M0029A. (See table notes.)

Core, section, interval (cm)/Sample*	IW number	Type	Mass (g)	Depth (mbsf)	Analyte: Unit: Method:	pH (25°C) ISE	Alkalinity (meq/L) Titration	Chloride (mM) Titration	Br (µM) IC	Br/Cl (molar) IC	Sulfate (mM) IC	NH ₄ ⁺ (µM) Conductivity	Li (µM) ICP-AES	Na (mM) CB	K (mM) ICP-AES	Mg (mM) ICP-AES	Ca (mM) ICP-AES	Sr (µM) ICP-AES	Ba (µM) ICP-AES	Mn (µM) ICP-AES	Fe (µM) ICP-AES	P (µM) ICP-AES	B (µM) ICP-AES	Si (µM) ICP-AES	Al (µM) ICP-AES
313-M0029A																									
5R1-15, 30	1	Rh	31.4	7.125		7.64	3.61	346.4	517	1.477	14.80	104	33.4	301.3	8.19	28.50	6.65	53.0	0.5	7.4	9.3	2.6	322	174	2.2
6R1-20, 45, 70	2	Rh	38	10.4		7.55	4.53	86.1	133	1.593	1.28	213	8.8	73.8	3.67	3.95	3.80	16.9	1.2	5.1	23.3	7.9	129	346	1.7
7R1-20, 45, 70, 100	3	Rh	4.2	13.5875		7.99	4.23	44.7	66	1.585	1.43	268	10.0	36.5	1.51	2.39	4.35	16.1	0.7	7.6	7.2	2.5	119	298	5.1
8R1-25, 35, 50, 60	4	Rh	3.5	16.9		7.71	2.42	458.9	690	1.485	24.83	243	52.6	395.7	7.78	42.19	11.65	89.0	1.8	11.2	3.3	4.3	317	137	0.8
14R1-5	5	Rh	3.7	43.55		7.57	4.79	404.4	602	1.485	21.12	146	48.3	344.7	7.85	36.90	12.64	93.7	2.0	10.7	10.8	1.2	345	198	6.9
15R1-36-41	6	Sq	10.3	49.985		8.33	4.73	19.5	32	1.603	0.59	51	11.4	16.3	1.36	2.89	0.95	6.9	15.4	0.9	0.3	3.4	332	472	0.5
16R1-40, 60	7	Rh	24.6	53.15		7.86	3.83	108.4	164	1.551	3.90	204	18.8	69.6	4.89	17.31	5.38	45.6	4.6	6.8	10.6	11.5	276	317	3.3
19R1-17-22	8	Sq	15.1	67.505		7.84	4.26	124.2	183	1.469	5.09	92	30.9	96.5	3.37	14.01	5.34	41.5	5.5	3.3	0.4	4.2	401	436	-0.2
20R1-25	9	Rh	5.9	76.71		7.50	3.60	386.2	575	1.489	19.12	139	70.5	327.3	8.59	36.03	10.07	92.2	2.7	12.8	37.9	6.0	293	589	4.1
23R1-20, 30	10	Rh	13.8	115.66		7.79	4.28	237.8	358	1.492	11.53	175	31.8	204.6	5.48	21.99	5.58	57.4	3.3	5.4	9.7	9.4	268	178	2.4
23R1-67-72	11	Sq	13.3	116.105		7.67	3.73	372.9	551	1.481	18.75	216	48.4	319.1	7.92	34.93	8.72	86.5	2.5	6.8	2.6	10.4	400	221	1.1
26R1-65, 70, 75	12	Rh	3.4	149.66		7.85	3.05	267.5	393	1.478	13.86	198	38.0	224.9	5.92	26.28	7.42	68.3	3.0	4.8	0.5	0.9	270	205	4.0
28R1-50	13	Rh	21.7	155.56		7.98	4.79	147.7	214	1.451	6.60	239	28.5	127.5	4.30	13.28	3.57	33.9	1.4	2.5	12.6	3.7	240	196	0.9
28R1-60	14	Rh	11.8	155.66		8.19	4.91	120.3	179	1.550	5.15	223	21.1	105.5	3.87	10.24	2.74	25.6	1.0	1.8	3.6	2.4	207	170	0.7
28R1-70	15	Rh	4.6	155.76		8.13	5.10	102.4	152	1.533	4.41	226	25.8	83.5	4.44	11.13	3.02	27.8	1.1	1.8	0.3	2.4	287	239	0.9
30R1-45	16	Rh	15.3	160.32		7.80	4.46	123.0	186	1.561	4.67	289	24.7	97.8	4.25	13.45	3.80	34.9	1.0	3.0	9.3	1.4	258	240	0.1
30R1-55	17	Rh	5.3	160.42		7.79	4.63	104.7	158	1.563	3.65	228	19.3	90.9	3.40	8.60	2.50	22.4	0.7	1.8	0.2	0.4	229	203	2.6
30R1-65	18	Rh	5.8	160.52		7.63	3.75	241.0	356	1.465	11.76	255	36.9	191.4	6.50	27.33	7.74	70.5	1.9	5.5	24.0	1.6	319	231	2.3
33R1-5	19	Rh	0.6	188.66		7.45	2.28	467.3	670	1.550	15.13	58	36.4	433.0	5.07	24.15	6.94	61.6	1.7	3.6	1.5	0.8	196	57	1.3
34R1-15, 35, 110, 130	20	Rh	3.9	192.385		7.75	3.96	88.2	133	1.554	2.93	308	19.6	71.8	2.99	8.66	2.81	25.6	1.7	1.7	0.3	1.6	204	185	1.0
34R1-146-151	21	Sq	20	193.145		7.98	5.02	55.9	78	1.585	1.58	202	19.0	49.1	2.37	4.83	1.41	12.8	5.6	1.1	0.3	5.4	247	287	0.0
37R1-39-44	22	Sq	16.1	222.575		7.33	3.97	372.8	554	1.494	18.69	263	62.7	311.3	7.06	37.27	10.63	99.0	2.9	12.6	10.9	-0.1	360	238	20.9
40R1-51-56	23	Sq	19.8	231.845		7.57	5.05	185.3	276	1.484	9.30	180	41.0	163.0	4.24	16.55	4.24	38.1	4.4	9.4	3.8	2.2	361	156	0.7
41R1-70-75	24	Sq	27.5	235.085		7.58	4.91	204.0	306	1.480	9.94	163	38.9	173.7	4.60	20.24	4.97	48.6	3.2	9.3	4.1	4.8	364	206	4.1
44R1-51-56	25	Sq	11.7	262.345		7.81	3.97	482.7	760	1.473	27.24	0	63.6	403.5	10.00	50.31	13.78	121	3.9	7.1	0.6	4.4	521	292	3.2
49R1-32-37	27	Sq	6.8	277.405		6.72	2.31	433.9	681	1.511	21.80	526	698	345.6	20.40	41.32	14.52	126	3.0	249.3	446.8	2.6	733	1397	-0.8
52R1-23-28	28	Sq	10.4	286.465		6.69	5.53	313.5	480	1.489	13.04	723	215	247.1	18.64	27.34	11.81	104	3.8	78.1	125.3	1.5	1091	837	3.3
56R1-77-82	29	Sq	24.9	295.315		8.10	3.54	509.2	766	1.475	27.39	17	68.7	433.1	10.51	50.21	11.97	118	3.3	7.6	2.9	21.2	389	238	0.7
59R2-94-99	30	Sq	14.2	306.975		7.89	5.07	468.2	706	1.478	24.89	701	73.3	402.9	9.26	44.47	10.83	109	2.4	6.8	2.1	19.0	350	313	0.5
62R1-144-149	31	Sq	23.8	315.125		7.64	11.06	272.4	417	1.517	10.61	896	95.7	422.0	5.68	22.63	5.54	50.8	2.9	6.3	0.4	15.4	370	628	-0.4
65R1-146-151	32	Sq	27.3	323.795		7.72	12.15	328.5	495	1.483	13.92	1090	131	291.8	6.42	27.99	6.72	66.7	2.7	3.3	0.9	21.3	440	1012	-0.2
68R1-145-150	33	Sq	24.6	333.435		7.75	15.06	434.9	656	1.513	14.89	1021	192	379.6	6.11	37.43	9.18	102	2.4	3.7	1.4	29.4	425	1121	-1.3
72R1-144-149	34	Sq	19.3	344.785		7.58	21.05	537.1	832	1.532	7.62	2198	257	460.4	8.81	40.56	10.56	134	7.8	1.4	0.5	36.2	444	927	-0.2
75R1-80-85	35	Sq	20.9	354.135		7.51	22.65	555.3	875	1.600	4.67	2406	276	471.7	9.08	41.16	11.05	145	11.3	1.6	2.4	33.5	451	855	2.6
78R1-148-153	36	Sq	31.0	360.915		7.31	24.65	562.1	904	1.617	3.32	2452	289	476.9	9.12	41.30	11.30	150	8.4	1.9	0.8	35.2	484	887	0.5
81R1-125-130	37	Sq	27.2	369.835		7.36	26.49	582.2	948	1.621	1.30	2198	316	492.8	8.32	42.24	11.88	163	13.1	2.7	8.0	27.0	500	1110	2.8
84R1-150-155	38	Sq	27.4	379.235		7.10	26.54	604.1	981	1.623	0.55	2337	343	510.0	8.96	42.53	12.77	179	17.4	1.8	17.9	33.1	520	1220	8.2
87R1-145-150	39	Sq	29.6	388.335		7.48	21.23	625.5	1030	1.634	1.15	2672	364	528.4	9.70	41.48	12.81	182	17.8	1.2	1.7	24.7	417	992	2.2
90R1-144-149	40	Sq	28.6	397.475		7.65	24.64	644.2	1060	1.628	0.76	3381	398	543.5	9.97	42.86	14.00	201	21.5	1.2	3.3	30.1	470	1019	1.3
93R1-128-133	41	Sq	31.6	406.465		7.17	24.11	649.2	1045	1.610	2.25	3217	400	548.5	9.86	43.45	14.77	208	18.7	2.2	26.8	30.6	523	1188	1.9
96R1-145-50	42	Sq	21.3	415.785		7.15	23.57	681.4	1107	1.624	2.04	3544	497	551.1	12.04	52.51	18.64	260	25.7	3.3	63.5	41.5	707	1352	3.0
99R1-145-150	43	Sq	22.1	424.935		7.12	23.62	717.6	1184	1.649	0.88	3817	473	603.8	10.04	45.76	16.93	239	27.4	3.4	39.8	23.3	613	1191	2.4
102R1-149-154	44	Sq	25.3	434.125		6.83	25.49	734.4	1220	1.662	0.55	3926	506	616.0	10.30	47.16	18.22	259	29.5	4.1	93.9	30.8	644	1262	3.9
105R1-146-151	45	Sq	20.2	440.495		6.98	22.75	746.0	1239	1.660	0.81	4144	549	614.8	11.56	50.32	19.61	279	31.6	4.6	27.1	13.0	677	1221	1.3
108R1-145-150	46	Sq	21.3	449.335		7.36	23.94	755.9	1254	1.659	1.09	3952	536	630.7	10.71	48.81	19.49	279	28.6	4.6	55.7	15.9	629	1249	2.1
111R1-145-150	47	Sq	21.5	458.485		6.95	23.28	763.8	1268	1.661	1.08	4348	552	634.7	11.54	49.34	20.01	287	30.9	5.0	43.7	14.7	694	1221	-0.1
114R2-140-145	48	Sq	17.1	469.085		7.11	21.68	788.1	1313	1.665	0.11	5009	598	654.6	12.87	48.03	20.70	296	40.0	4.5	8.6	4.7	609	1006	3.9
117R2-150-155	49	Sq	10.9	478.335		7.29	19.53	752.5	1209	1.606	3.57	4745	519	625.8	11.90	48.70	19.74	279	8.7	5.0	2.8	1.5	651	946	5.2
120R1-146-151	50	Sq	22.7	482.90		6.86	21.27	792.4	1314	1.659	1.54	4679	555	661.3	11.98	48.78	20.56	299	33.7	7.1	57.4	7.6	659	1021	5.4
123R1-145-150	51	Sq	17.1	492.04		7.20	21.59	794.0	1322	1.665	2.13	5104	548	662.5	12.05	49.10	21.								