

Expedition 367/368 Site U1499, Table T10. Interstitial water chemistry data, Hole U1499A. BDL = below detection limit, - = value rejected due to > 5% relative standard deviation, ND = not determined (value not measured), blank = not reported due to analytical issues.

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Core, section, interval (cm)	Depth (mbsf)	Salinity	pH	Alkalinity (mM)	Cl <sup>-</sup> (mM)	Br <sup>-</sup> (mM)	Cl <sup>-</sup> (mM)	SO <sub>4</sub> <sup>2-</sup> (mM)	Na <sup>+</sup> (mM)	K <sup>+</sup> (mM)	Ca <sup>2+</sup> (mM)	Mg <sup>2+</sup> (mM)	NH <sub>4</sub> <sup>+</sup> (mM)	PO <sub>4</sub> <sup>3-</sup> (μM)	B (μM)	Mn (μM)	Fe (μM)	Si (μM)	Sr (μM)	Ba (μM)	Li (μM)
367-U1499A-																					
1H-1, 0-1	0.00	36.5	7.791	2.375	555.5	0.85	554.8	28.8	478	10.4	10.7	53.4		3.7	437	BDL	BDL	282	90.7	0.3	32.3
1H-2, 145-150	2.95	36	7.798	6.101	555.8	0.86	556.2	26.5	474	11	10.6	53.3	0.311	30.1	481	119.3	BDL	700	90.4	0.4	20.6
1H-4, 145-150	5.95	36	7.813	6.925	555.8	0.86	556.8	24.6	476	11.1	10.7	53.1	0.576	42.6	477	120	1.6	764	90.5	0.4	18.9
2H-2, 145-150	10.45	36	7.778	10.832	555.2	0.87	559.2	20.7	479	10.9	10.4	51	0.714	51.5	489	97.5	9.1	781	91.2	0.5	18.2
2H-4, 145-150	13.45	35.5	7.791	10.634	561.4	—					9.3		0.719	45.1	472	86.3	1	822	94.8	0.5	19.2
2H-6, 145-150	16.45	36	7.782	10.93	561.7	0.87	560.6	18.3	479	11.1	9.2	50.4	1.021	45.6	467	81.8	2	819	95.2	0.5	19.4
3H-2, 145-150	19.95	35.5	7.746	11.886	560.7	0.88	562	16.5	481	10.9	9	48.5	0.964	41.7	490	72.4	3.6	701	95.6	0.6	19.8
3H-4, 145-150	22.95	36	7.781	12.088	561	0.88	562.4	15.4	481	10.7	8.6	48.8	1.382	40.5	457	64	3.8	790	98.4	0.6	19.9
3H-6, 145-150	25.95	36	7.752	12.396	566.1	0.88	564.2	14.4	482	10.7	8.3	49	1.155	31.7	444	58.1	2	819	98.9	0.6	20
4H-2, 145-150	29.45	36	7.783	12.411	564.8	0.87	562.7	13.4	481	10.7	8.2	46.2	1.185	32.6	454	52.9	10	713	101.3	0.7	21.2
4H-4, 145-150	32.45	36	7.752	12.801	563.5	0.89	565	12.1	482	10.6	7.6	45.7	1.238	29.1	454	48.8	13.1	731	102.4	0.9	20.9
4H-6, 145-150	35.45	35	7.79	12.741	565.7	0.88	562.3	11.2	480	10.6	7.1	46.7	1.431	30.3	430	42.6	BDL	—	106.3	1.7	21.3
5H-2, 145-150	38.95	35	7.864	13.048	562	0.89	564.5	10.3	481	10.3	7.1	45.8	1.595	28.3	—	42.4	0.8	681	107.8	0.9	21.9
5H-4, 145-150	41.95	35	7.83	12.87	562.8	0.88	561.6	9.6	480	10.2	7	45.7	1.599	31.2	407	38.2	1	754	109.3	0.8	20.9
5H-6, 145-150	44.95	35	7.794	12.574	561.3	0.89	562.6	8.9	481	9.8	7	45.6	1.743	32.5	489	36	5.1	794	112.5	0.8	20.7
6H-3, 145-150	49.95	35	7.817	11.467	563.2	0.89	563.5	7.7	482	10	5.5	43	1.241	11.6	492	19.2	4.1	560	113.2	0.9	21.9
6H-5, 145-150	52.95	35	7.815	10.817	561.9	0.9	561.9	7.1	480	9.6	5.4	44.9	1.356	6	503	12	4	452	116.1	0.9	22.2
7H-2, 145-150	57.97	35	7.844	9.707	561.5	0.89	561.8	6.1	480	9.4	4.5	42.4	1.543	4	500	3.5	10.4	378	120.5	1.3	22.8
7H-5, 145-150	62.41	35	7.8	9.237	561.6	0.89	559	5.2	478	8.8	4.5	42.1	1.631	3.4	505	3.2	5.8	360	124.9	1.4	23.1
8H-2, 145-150	67.45	34	7.853	8.803	559.7	0.89	560.6	4.9	480	8.8	4.2	41.3	1.721	4.8	512	3.5	2.6	327	129.4	1.4	23.7
8H-5, 145-150	71.95	34	7.852	8.776	562	0.9	560.2	3.7	479	8.4	4.4	40.1	1.832	4.8	511	4.3	0.3	307	133.2	1.8	22.6
9H-2, 141-146	76.91	33.5	7.87	8.272	557	0.89	558.1	2.8	478	8.1	4.2	39.5	2.156	4.5	480	4.2	1.2	317	133.6	2.3	21.7
9H-5, 145-150	81.34	33	7.869	8.41	558.5	0.9	562.2	2.2	479	8.1	4.5	37.5	1.471	6	463	4.8	0.6	324	138.8	4	20.1
10H-2, 145-150	86.45	33.5	7.84	8.301	560.9	ND	ND	ND	ND	ND	ND	ND	1.838	4.8	465	4.5	—	343	142.3	13.7	19.5
10H-5, 145-150	90.95	33.5	7.888	8.281	560	0.9	562.1	1.1	480	7.3	5.1	35.9	1.872	5.3	442	4	BDL	335	142.5	42.2	18.6
11H-5, 145-150	100.45	33.5	7.864	7.714	559.4	0.9	558.7	1	479	6.7	5.6	34.4	1.792	5.1	420	4.5	BDL	352	139.1	60	18.2
12H-5, 140-150	109.93	34	7.869	7.258	561.7	0.91	559.7	1	481	6.3	6.6	33.4	1.581	4.6	391	9.5	BDL	425	134.2	55.9	17.8
13H-5, 140-150	119.45	33.5	7.777	6.351	560	0.91	558.5	1	480	5.7	7.2	32.4	1.809	3.7	403	5.3	—	386	132.2	55.8	15.3
14H-5, 140-150	128.90	33	7.793	6.178	557.5	0.91	562.5	1	483	5.4	7.8	31.5	1.671	3.5	390	5.9	BDL	318	132.3	60.8	15.3
15H-4, 140-150	136.90	33.5	7.815	5.881	560.4	0.91	559.5	1	483	5.1	8.1	32.2	1.746	4.7	409	5.6	5.4	328	132.1	57.1	14
16H-5, 140-150	146.20	33.5	7.842	5.857	560.4	0.92	563.2	1	486	4.7	8.3	30.7	2.042	3.7	411	6.3	BDL	301	136.1	55.5	14.3
17H-4, 140-150	154.20	33.5	7.868	5.389	560.2	0.92	558.7	1	484	4.3	8.4	30.4	1.628	3.4	403	4.6	BDL	308	141.9	53.2	14.4
18H-3, 140-150	160.90	33.5	7.89	5.466	559.9	0.9	551.9	1	479	4.5	8.7	27.2	1.658	4.5	382	3.4	BDL	259	145.9	54.8	13.8
19X-4, 140-150	168.30	35	7.83	5.272	562.2	0.9	552.4	1.3	480	4.2	8.7	27.2	1.38	3.5	401	3.8	0.5	304	151.4	49	15.1
20X-5, 140-150	179.50	33.5	7.81	5.152	561.2	0.9	551	1.2	480	3.8	9.1	26.3	1.391	3.6	417	4.3	—	344	167.1	52.4	17.5
21X-4, 140-150	187.70	33.5	7.85	5.173	558.1	0.9	549.5	1.4	479	3.7	8.7	26.9	1.384	3.4	409	3.8	—	295	172.4	57.8	18.1
22X-5, 140-150	198.83	33.5	7.89	5.203	561.5	0.9	551.1	1.2	482	3.5	8.9	26	1.438	2.7	423	4.1	—	286	182.1	73.2	19.9
23X-5, 140-150	208.54	33.5	7.93	5.434	558.2	0.9	550.1	1.6	481	3.6	8.7	26.6	1.177	3.5	435	5.4	BDL	280	191.5	91.1	21.5
24X-5, 140-150	218.30	33.5	7.9	5.276	559.2	0.9	548.7	1.2	481	3.7	8.5	25.1	1.731	1.5	442	5.9	BDL	248	196.4	105.8	23.6
26X-5, 140-150	237.70	34	7.88	4.592	556.9	0.91	551.4	1.4	484	3.4	8.5	25.1	1.138	3.2	489	5.2	BDL	260	212	42.7	27.1
27X-5, 140-150	247.40	33.5	7.89	4.358	559.5	0.91	549.2	1.7	482	3	8.8	25.4	0.892	3	484	7.5	BDL	260	219.7	16.6	28.8
28X-5, 140-150	257.10	33.5	7.93	4.51	559.1	0.9	548.3	1.8	481	3	9.2	25.4	0.857	3.9	530	9	BDL	242	227	9.6	31.2
29X-5, 140-150	266.80	34	8.02	4.682	554.4	0.9	546.3	2.1	480	2.8	9.6	25.4	0.793	3.6	483	7.6	BDL	219	239.4	7.5	33.8
30X-5, 140-150	276.50	33	7.9	3.869	559.8	0.9	549.4	3	484	3	9.3	25	1.087	3.3	548	6.8	BDL	252	244.1	5.1	35.9
31X-5, 140-150	286.20	33.5	7.85	3.516	558	0.9	552.4	4	486	3	9.8	26	0.716	2.7	549	6.4	BDL	252	259.9	4	34.6
32X-2, 140-150	291.40	33.5	7.83	3.416	559	0.89	548.5	3.6	482	2.4	9.8	25.4	0.873	3.9	581	6.8	BDL	274	270.7	3.3	35.6
33X-4, 140-150	304.10	33.5	7.8	2.715	559.3	0.9	550.8	3.9	486	2.6	9.7	25	0.817	3.3	602	5.1	BDL	228	282.2	2.8	36.1
34X-5, 135-150	315.25	33.5	7.75	2.667	557.1	0.89	550.1	4.5	484	2.6	10.3	25.3	0.67	3.3	636	6	BDL	290	303	2.6	36.5
35X-6, 111-121	326.21	33	7.84	2.517	556.1	0.89	550.4	6.1	486	2.9	10.1	25.7	0.671	3.5	584	6.1	1.1	256	307.3	2.5	39.3
36X-4, 82-92	332.62	33	7.84	2.215	558.8	0.89	549	5.5	484	2.6	10.4	25.2	0.871	3.1	554	6.2	BDL	234	323.5	2.3	39
44X-5, 140-150	412.30	33.5	7.89	1.956	557.9	0.89	548.5	6.8	487	2.1	11.2	23.9	0.698	2.5	563	4.1	BDL	177	419.5	2.4	42.4
45X-4, 135-150	420.45																				