

Expedition 325 Preliminary Report, Table T6. Geochemical data relating to interstitial water collected from the NOG-01B transect, Expedition 325.

Core, section, interval (cm)	Depth (CSF-A)	Sample ID	pH	Alk (mM)	NH ₄ (mM)	Ca (mM)	Si (μM)	Sr (μM)	Mg (mM)	B (mM)	K (mM)	S (mM)	Na (mM)	Ba (μM)	Li (μM)	Al (μM)	As (μM)	Be (μM)	Cd (μM)	Co (μM)	Cr (μM)	Cu (μM)	Fe (μM)	Mn (μM)	Mo (μM)	Ni (μM)	P (μM)	Pb (μM)	Ti (μM)	V (μM)	Zn (μM)	Zr (μM)	Cl (mM)	Br (mM)	SO ₄ (mM)		
325-M0052A-																																					
1X-2, 15	0.46	S41	7.749	4.621	0.019	10.9213	87.5605	91.7050	53.5141	0.4429	10.3962	28.1988	462.3112	0.0692	29.0711	39.6296	0.1534	0.1703	0.0112	0.0957	0.0000	0.0000	0.8977	1.1103	0.0000	0.0232	6.0531	0.0514	0.0000	0.6044	3.9367	0.3798	556.824	0.895	29.231		
1X-2, 35	0.66	S42	7.811	6.168	0.017	11.4312	87.3172	94.0755	53.7563	0.4591	10.6816	28.0742	442.1755	0.0747	29.3972	39.5512	0.4063	0.1427	0.0000	0.0000	0.0000	0.0000	2.0625	1.6237	0.0620	0.0695	6.5611	0.0000	0.0000	0.0606	4.1839	0.3293	550.590	0.875	28.937		
1X-2, 55	0.86	S43	7.752	4.960	0.019	10.9098	96.4033	89.9768	53.2392	0.4495	10.3100	28.1885	446.5454	0.0661	29.6024	40.3000	0.0943	0.1193	0.0000	0.0421	0.0000	0.0000	2.0249	0.6557	0.0000	0.0000	4.4228	0.0000	0.0000	0.2171	3.3940	0.3117	564.133	0.910	29.683		
1X-2, 75	1.06	S44	7.817	7.425	0.017	11.5229	92.1127	91.0923	53.6418	0.4663	10.8230	28.1233	444.2862	0.0775	39.4089	38.6405	0.0873	0.1238	0.0000	0.1083	0.0000	0.0000	1.5025	3.0097	0.3086	0.0272	8.7935	0.0000	0.0000	0.1872	3.7140	0.3913	557.334	0.900	29.074		
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1X-1, 45	0.45	S45	7.587	3.439	0.026	10.5879	122.1012	90.4984	53.1330	0.4363	10.2107	28.6722	458.5780	0.0629	25.7541	47.5464	0.0000	0.1389	0.0000	0.0192	0.0000	0.0000	0.9883	0.2555	0.0000	0.0814	1.5795	0.0000	0.0000	0.3084	3.1242	0.3119	568.307	0.916	29.894		
1X-1, 65	0.65	S46	7.671	2.983	0.026	10.4968	102.1002	91.1766	53.3484	0.4270	10.3496	28.6668	465.7005	0.0743	25.9541	36.5898	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	0.9850	0.2456	0.0000	0.0000	1.0971	0.0000	0.0000	0.3052	3.5880	0.2607	570.062	0.918	29.961		
1X-1, 75	0.75	S47	7.710	3.622	0.028	10.5512	105.2515	90.8931	53.1377	0.4354	10.2178	28.2449	457.3544	0.0641	26.2224	41.6425	0.0000	0.1035	0.0066	0.0055	0.0000	0.0000	0.8892	0.2445	0.0000	0.0097	2.0551	0.0440	0.0000	0.2171	3.3940	0.3117	564.133	0.910	29.683		
1X-1, 90	0.9	S48	7.749	4.197	0.031	10.4848	93.8295	88.2662	51.5105	0.4200	9.8523	27.2981	431.3030	0.1033	25.0601	42.7843	0.0780	0.1632	0.0000	0.0000	0.0000	0.0000	1.0427	0.3889	0.0000	0.0000	4.4172	0.0475	0.0000	0.0000	3.7321	0.2131	531.298	0.865	27.889		
18R-1, 51 + 55	19.13	S49	7.830	5.710	0.127	10.6450	64.2320	99.9161	50.5039	0.4124	9.7629	26.0780	453.0537	0.1343	26.2655	45.6473	0.0000	0.1148	0.0000	0.0000	0.0000	0.0000	1.8814	0.7317	0.0000	0.0271	3.2784	0.0000	0.0000	0.1269	4.0536	0.2958	538.784	0.863	27.822		
22R-1, 22	22.72	S50	7.675	4.206	0.098	10.4401	110.0512	99.9229	50.4248	0.3938	9.6329	26.8992	444.4080	0.1013	24.2884	46.9003	0.1369	0.0575	0.0162	0.0000	0.0000	0.0000	2.7369	0.2223	0.0000	0.0126	2.5900	0.0000	0.0000	0.1347	3.8790	0.2420	—	—	—		
22R-1, 20	22.8	S51	7.671	3.367	0.122	10.1428	109.9529	97.3916	53.5367	0.4417	10.1570	27.7534	468.2616	0.0812	29.1205	45.5352	0.0000	0.0775	0.0000	0.0029	0.0000	0.0000	0.9476	0.1453	0.0000	0.1040	1.3945	0.0000	0.0000	0.3126	5.7585	0.3130	562.917	0.917	28.868		
27R-1, 18	27.78	S52	7.963	7.018	0.021	10.9501	68.5274	91.3151	48.8302	0.3816	9.5119	25.7439	437.0216	0.0848	27.2337	45.1502	0.1104	0.0162	0.0000	0.0025	0.0000	0.1608	1.2021	0.1814	0.0369	0.0372	3.3437	0.0000	0.0000	0.1870	4.1300	0.2835	551.252	0.891	28.874		
27R-1, 38	27.98	S53	7.759	5.527	0.028	10.1413	72.4322	84.1945	49.4428	0.3957	9.4443	25.8339	416.0722	0.0644	27.2062	43.9826	0.2097	0.0756	0.0180	0.0000	0.0000	0.0000	1.3880	0.1588	0.0000	0.0588	3.6114	0.0000	0.0000	0.2786	3.8296	0.2669	532.155	0.865	27.783		
30R-1, 10	30.7	S54	7.810	6.063	0.021	10.5189	62.4057	89.6080	46.2122	0.3617	8.9751	24.3352	407.5215	0.1241	23.5034	45.5237	0.7988	0.0989	0.0040	0.0230	0.0000	0.0000	1.3899	0.1405	0.2117	0.0000	3.7741	0.0000	0.0000	0.2878	4.7455	0.2902	517.030	0.829	27.314		
31R-1, 20	32.5	S55	7.753	3.756	0.026	10.6009	86.3451	96.4112	50.9326	0.3962	9.8080	27.3158	437.8458	0.0748	25.4519	45.4352	0.4567	0.1478	0.0000	0.0000	0.0000	0.0000	1.2994	0.2271	0.1165	0.0086	2.9820	0.0000	0.0000	0.3020	16.1321	0.3088	586.401	0.941	30.813		
32R-1, 10	34.4	S56	7.776	5.082	0.034	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
32R-1, 25	34.55	S57	7.717	3.289	0.036	10.5909	108.4481	95.7268	53.6573	0.4162	10.1569	29.0086	454.9076	0.0723	25.2943	46.6074	0.1468	0.1061	0.0000	0.0068	0.0000	0.0000	1.1961	0.0701	0.0000	0.0000	1.1479	0.0000	0.0000	0.3983	3.4099	0.2491	570.093	0.921	29.856		
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9R-1, 32 + 43 + 65	21.52-21.84	S58	7.866	7.242	0.034	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	458.748	0.734	23.964	
10R-1, 6	24.26	S59	7.833	7.828	0.050	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11R-1, 28-30	27.48	S60	7.724	8.123	0.148	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12R-1, 20-25	30.40	S61	7.812	5.907	0.050	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
325-M0058A-																																					
1X-1, 20	0.2	S63	7.737	3.068	0.100	10.3591	229.8110	89.6328	53.3744	0.4454	10.5090	28.8687	465.2718	0.0589	23.8840	41.7189	0.0000	0.0703	0.0000	0.0106	0.0000	0.0000	1.2299	1.0302	0.0000	0.0000	11.3557	0.0000	0.0000	0.1184	3.9490	0.3065	567.834	0.916	29.436		
1X-1, 40	0.4	S64	7.718	3.553	0.119	10.3379	254.7201	89.8488	53.3371	0.4478	10.5232	28.7609	466.1172	0.0810	23.9223	39.7597	0.0000	0.0988	0.0000	0.0000	0.0000	0.0270	1.6139	1.0112	0.0000	0.0000	10.5372	0.0000	0.0237	0.1405	4.5358	0.1921	571.371	0.919	29.524		
1X-2, 20	0.87	S65	7.741	3.504	0.133	10.3512	239.8896	89.8207	53.5655	0.4421	10.5875	29.2170	466.0221	0.0811	24.2541	44.7477	0.0000	0.0790	0.0000	0.0928	0.0000	0.0000	0.8096	1.8112	0.0000	0.0167	9.4719	0.0000	0.0000	0.0000	3.6616	0.3206	571.678	0.913	29.546		
1X-2, 40	1.07	S66	7.336	3.628	0.139	10.3644	255.3023	89.8678	53.4545	0.4472	10.5492	29.1329	467.1277	0.1577	24.6912	44.3946	0.0175	0.0838	0.0000	0.0000	0.0000	0.0596	0.8425	1.8530	0.0000	0.0033	10.3588	0.0000	0.0000	0.0000	3.4158	0.2477	570.968	0.935	29.503		
1X-2, 60	1.27	S67	7.766	3.401	0.153	10.3748	259.3748	90.2274	53.3296	0.4463	10.5250	28.4465	458.7833	0.0815	23.7249	41.8836	0.0000	0.1367	0.0000	0.0000	0.0000	0.0000	0.8844	1.2955	0.0000	0.0153	9.6654	0.1280	0.0000	0.1306	3.9312	0.2863	567.865	0.919	29.310		
1X-2, 80	1.47	S68	7.715	3.671	0.144	10.2446	272.8670	89.0599	53.0102	0.4432	10.4194	28.5686	462.9991	0.0912	23.6696	45.4013	0.0000	0.0970	0.0000	0.0000	0.0000	0.2951	0.8209	1.3482	0.0000	0.0278	9.4401	0.0044	0.0000	0.0000	3.7255	0.3032	564.324	0.920	29.160		
1X-2, 100	1.67	S69	7.654	3.783	0.150	10.3070	269.7833	89.5522	53.2761	0.4483	10.4735	28.0947	464.3151	0.0693	23.6172	39.3852	0.1482	0.0925	0.0000	0.0000	0.0000	0.0000	1.1492	1.5434	0.0000	0.0000	9.6815	0.0000	0.0336	0.0000	4.5579	0.3054	571.394	0.920	29.494		
2X-1, 20	2.8	S70	7.689	3.734	0.192	10.2274	306.2132	90.0203	53.0783	0.4488	10.5344	28.2087	460.2835	0.0780	23.1332	38.6235	0.0000	0.1236	0.0000	0.0302	0.0000	0.0000	1.8265	1.5425	0.0000	0.0000	8.8833	0.0000	0.0000	0.2020	3.6514	0.2793	567.295	0.916	29.226		
2X-1, 40	3	S71	7.625	3.868	0.217	10.1584	307.1131	90.4893	52.9001	0.4450	10.4528	28.4501	463.0390	0.0776	22.6307	38.5229	0.0399	0.0770	0.0000	0.0127	0.000																