

Transect NOG-01B, Table T4. Geochemical data relating to interstitial water collected from transect NOG-01B.

| Core, section, interval (cm) | Depth (mbsf) | Sample ID | pH | Alk (mM) | NH ₄ (μM) | Ca (mM) | Si (μM) | Sr (μM) | Mg (mM) | B (μM) | K (mM) | S (mM) | Na (mM) | Ba (nM) | Li (μM) | Al (μM) | As (nM) | Be (nM) | Cd (nM) | Co (nM) | Cr (nM) | Cu (nM) | Fe (μM) | Mn (μM) | Mo (nM) | Ni (nM) | P (nM) | Pb (nM) | Ti (nM) | V (nM) | Zn (μM) | Zr (nM) | Cl (mM) | Br (μM) | SO ₄ (mM) | |
|------------------------------|--------------|-----------|------|----------|----------------------|---------|---------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|---------|---------|---------|---------|----------------------|--|
| 325- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0052A-1R-2, 15 | 0.46 | S41 | 7.75 | 4.62 | 19 | 10.9 | 87.6 | 91.7 | 53.5 | 443 | 10.40 | 28.2 | 462 | 69 | 29.1 | 39.6 | 153 | 170 | 11 | 96 | 0 | 0 | 0.90 | 1.11 | 0 | 23 | 6.05 | 51 | 0 | 604 | 3.94 | 380 | 557 | 895 | 29.2 | |
| M0052A-1R-2, 35 | 0.66 | S42 | 7.81 | 6.17 | 17 | 11.4 | 87.3 | 94.1 | 53.8 | 459 | 10.68 | 28.1 | 442 | 75 | 29.4 | 39.6 | 406 | 143 | 0 | 0 | 0 | 0 | 2.06 | 1.62 | 62 | 70 | 6.56 | 0 | 0 | 61 | 4.18 | 329 | 551 | 875 | 28.9 | |
| M0052A-1R-2, 55 | 0.86 | S43 | 7.75 | 4.96 | 19 | 10.9 | 96.4 | 90.0 | 53.2 | 450 | 10.31 | 28.2 | 447 | 66 | 29.6 | 40.3 | 94 | 119 | 0 | 42 | 0 | 0 | 2.02 | 0.66 | 119 | 0 | 4.42 | 0 | 0 | 319 | 3.52 | 463 | 554 | 893 | 29.0 | |
| M0052A-1R-2, 75 | 1.06 | S44 | 7.82 | 7.43 | 17 | 11.5 | 92.1 | 91.1 | 53.6 | 466 | 10.82 | 28.1 | 444 | 78 | 39.4 | 38.6 | 87 | 124 | 0 | 108 | 0 | 0 | 1.50 | 3.01 | 309 | 27 | 8.79 | 0 | 0 | 187 | 3.71 | 391 | 557 | 900 | 29.1 | |
| M0053A-1R-1, 45 | 0.45 | S45 | 7.59 | 3.4 | 26 | 10.6 | 122.1 | 90.5 | 53.1 | 436 | 10.21 | 28.7 | 459 | 63 | 25.8 | 47.5 | 0 | 139 | 0 | 19 | 0 | 0 | 0.99 | 0.26 | 0 | 81 | 1.58 | 0 | 0 | 308 | 3.12 | 312 | 568 | 916 | 29.9 | |
| M0053A-1R-1, 65 | 0.65 | S46 | 7.67 | 2.98 | 26 | 10.5 | 102.1 | 91.2 | 53.3 | 427 | 10.35 | 28.7 | 466 | 74 | 26.0 | 36.6 | 0 | 10 | 0 | 0 | 0 | 0 | 0.99 | 0.25 | 0 | 0 | 1.10 | 0 | 0 | 305 | 3.59 | 261 | 570 | 918 | 30.0 | |
| M0053A-1R-1, 75 | 0.75 | S47 | 7.71 | 3.62 | 28 | 10.6 | 105.3 | 90.9 | 53.1 | 435 | 10.22 | 28.2 | 457 | 64 | 26.2 | 41.6 | 0 | 104 | 7 | 6 | 0 | 0 | 0.89 | 0.25 | 0 | 10 | 2.06 | 44 | 0 | 217 | 3.39 | 312 | 564 | 910 | 29.7 | |
| M0053A-1R-1, 90 | 0.90 | S48 | 7.75 | 4.20 | 31 | 10.5 | 93.8 | 88.3 | 51.5 | 420 | 9.85 | 27.3 | 431 | 103 | 25.1 | 42.8 | 78 | 163 | 0 | 43 | 0 | 0 | 1.04 | 0.39 | 0 | 0 | 4.42 | 48 | 0 | 0 | 3.73 | 213 | 531 | 865 | 27.9 | |
| M0053A-18R-1, 51+55 | 19.13 | S49 | 7.83 | 5.71 | 127 | 10.6 | 64.2 | 99.9 | 50.5 | 412 | 9.76 | 26.1 | 453 | 134 | 26.3 | 45.6 | 0 | 115 | 0 | 0 | 0 | 0 | 1.88 | 0.73 | 0 | 27 | 3.28 | 0 | 0 | 127 | 4.05 | 296 | 539 | 863 | 27.8 | |
| M0053A-22R-1, 12 | 22.72 | S50 | 7.68 | 4.21 | 98 | 10.4 | 110.1 | 99.9 | 50.4 | 394 | 9.63 | 26.9 | 444 | 101 | 24.3 | 46.9 | 137 | 58 | 16 | 0 | 0 | 0 | 2.74 | 0.22 | 0 | 13 | 2.59 | 0 | 0 | 135 | 3.88 | 242 | | | | |
| M0053A-22R-1, 20 | 22.80 | S51 | 7.67 | 3.37 | 122 | 10.1 | 10.0 | 99.9 | 53.5 | 442 | 10.16 | 27.8 | 468 | 81 | 29.1 | 45.5 | 0 | 78 | 0 | 27 | 0 | 0 | 0.95 | 0.15 | 0 | 104 | 1.39 | 0 | 0 | 313 | 5.76 | 313 | 563 | 917 | 28.9 | |
| M0053A-27R-1, 18 | 27.78 | S52 | 7.96 | 7.02 | 21 | 11.0 | 68.5 | 91.3 | 48.8 | 382 | 9.51 | 25.7 | 437 | 85 | 27.2 | 45.2 | 110 | 16 | 0 | 3 | 0 | 161 | 1.20 | 0.18 | 37 | 37 | 3.34 | 0 | 0 | 187 | 4.13 | 284 | 551 | 891 | 28.9 | |
| M0053A-27R-1, 38 | 27.98 | S53 | 7.76 | 5.53 | 28 | 10.1 | 72.4 | 84.2 | 49.4 | 396 | 9.44 | 25.8 | 416 | 64 | 27.2 | 44.0 | 210 | 76 | 18 | 0 | 0 | 0 | 1.39 | 0.16 | 0 | 59 | 3.61 | 0 | 0 | 279 | 3.83 | 267 | 532 | 865 | 27.8 | |
| M0053A-30R-1, 10 | 30.70 | S54 | 7.81 | 6.06 | 21 | 10.5 | 62.4 | 89.6 | 46.2 | 362 | 8.98 | 24.3 | 408 | 124 | 23.5 | 45.5 | 799 | 99 | 4 | 23 | 0 | 0 | 1.87 | 0.14 | 212 | 0 | 3.77 | 0 | 0 | 288 | 4.75 | 290 | 517 | 829 | 27.3 | |
| M0053A-31R-1, 20 | 32.50 | S55 | 7.75 | 3.76 | 26 | 10.6 | 86.3 | 96.4 | 50.9 | 396 | 9.81 | 27.3 | 438 | 75 | 25.5 | 45.4 | 457 | 148 | 0 | 0 | 0 | 0 | 1.30 | 0.23 | 117 | 9 | 2.98 | 0 | 0 | 302 | 16.13 | 309 | 586 | 941 | 30.8 | |
| M0053A-32R-1, 10 | 34.40 | S56 | 7.78 | 5.08 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0053A-32R-1, 25 | 34.55 | S57 | 7.72 | 3.29 | 36 | 10.6 | 108.4 | 95.7 | 53.7 | 416 | 10.16 | 29.0 | 455 | 72 | 25.3 | 46.6 | 147 | 106 | 0 | 7 | 0 | 0 | 1.20 | 0.07 | 0 | 0 | 1.15 | 0 | 0 | 398 | 3.41 | 249 | 570 | 921 | 29.9 | |
| M0054B-9R-1, 32+43+65 | 21.66 | S58 | 7.87 | 7.24 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0054B-10R-1, 6 | 24.26 | S59 | 7.83 | 7.83 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0054B-11R-1, 16+40 | 27.48 | S60 | 7.72 | 8.12 | 148 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0054B-12R-1, 12+27 | 30.40 | S61 | 7.81 | 5.91 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M0058A-1X-1, 20 | 0.20 | S63 | 7.74 | 3.07 | 100 | 10.4 | 229.8 | 89.6 | 53.4 | 445 | 10.51 | 28.9 | 465 | 59 | 23.9 | 41.7 | 0 | 70 | 0 | 11 | 0 | 0 | 1.23 | 1.03 | 0 | 0 | 11.36 | 0 | 0 | 118 | 3.95 | 307 | 568 | 916 | 29.4 | |
| M0058A-1X-1, 40 | 0.40 | S64 | 7.72 | 3.55 | 119 | 10.3 | 254.7 | 89.8 | 53.3 | 448 | 10.52 | 28.8 | 466 | 81 | 23.9 | 39.8 | 0 | 99 | 0 | 0 | 0 | 27 | 1.61 | 1.01 | 0 | 0 | 10.54 | 0 | 24 | 141 | 4.54 | 192 | 571 | 919 | 29.5 | |
| M0058A-1X-2, 20 | 0.87 | S65 | 7.74 | 3.50 | 133 | 10.4 | 239.9 | 89.8 | 53.6 | 442 | 10.59 | 29.2 | 466 | 81 | 24.3 | 44.7 | 0 | 79 | 0 | 93 | 0 | 0 | 0.81 | 1.81 | 0 | 17 | 9.47 | 0 | 0 | 0 | 3.66 | 321 | 572 | 913 | 29.5 | |
| M0058A-1X-2, 40 | 1.07 | S66 | 7.34 | 3.63 | 139 | 10.4 | 255.3 | 89.9 | 53.5 | 447 | 10.55 | 29.1 | 467 | 158 | 24.7 | 44.4 | 18 | 84 | 0 | 0 | 0 | 60 | 0.84 | 1.85 | 0 | 3 | 10.36 | 0 | 0 | 0 | 3.42 | 248 | 571 | 935 | 29.5 | |
| M0058A-1X-2, 60 | 1.27 | S67 | 7.77 | 3.40 | 153 | 10.4 | 259.4 | 90.2 | 53.3 | 446 | 10.53 | 28.4 | 459 | 82 | 23.7 | 41.9 | 0 | 137 | 0 | 0 | 0 | 0 | 0.88 | 1.30 | 0 | 15 | 9.67 | 128 | 0 | 131 | 3.93 | 286 | 568 | 919 | 29.3 | |
| M0058A-1X-2, 80 | 1.47 | S68 | 7.72 | 3.67 | 144 | 10.2 | 272.9 | 89.1 | 53.0 | 443 | 10.42 | 28.6 | 463 | 91 | 23.7 | 45.4 | 0 | 97 | 0 | 0 | 0 | 295 | 0.82 | 1.35 | 0 | 28 | 9.44 | 4 | 0 | 0 | 3.73 | 303 | 564 | 920 | 29.2 | |
| M0058A-1X-2, 100 | 1.67 | S69 | 7.65 | 3.78 | 150 | 10.3 | 269.8 | 89.6 | 53.3 | 448 | 10.47 | 28.1 | 464 | 69 | 23.6 | 39.4 | 148 | 93 | 0 | 0 | 0 | 0 | 1.15 | 1.54 | 0 | 0 | 9.68 | 0 | 34 | 0 | 4.56 | 305 | 571 | 920 | 29.5 | |
| M0058A-2X-1, 20 | 2.80 | S70 | 7.69 | 3.73 | 192 | 10.2 | 306.2 | 90.0 | 53.1 | 449 | 10.53 | 28.2 | 460 | 78 | 23.1 | 38.6 | 0 | 124 | 0 | 30 | 0 | 0 | 1.83 | 1.54 | 0 | 0 | 9.88 | 0 | 0 | 20 | 3.65 | 279 | 567 | 916 | 29.2 | |
| M0058A-2X-1, 40 | 3.00 | S71 | 7.63 | 3.87 | 217 | 10.2 | 307.1 | 90.5 | 52.9 | 445 | 10.45 | 28.5 | 463 | 78 | 22.6 | 38.5 | 40 | 77 | 0 | 13 | 0 | 0 | 0.95 | 1.61 | 0 | 0 | 10.48 | 0 | 0 | 147 | 3.22 | 301 | 564 | 925 | 29.1 | |
| M0058A-2X-1, 60 | 3.20 | S72 | 7.62 | 4.05 | 225 | 10.2 | 312.4 | 92.1 | 53.5 | 451 | 10.47 | 28.8 | 466 | 82 | 23.2 | 43.8 | 127 | 76 | 0 | 0 | 0 | 0 | 0.82 | 1.64 | 0 | 0 | 10.71 | 0 | 0 | 0 | 5.31 | 289 | 563 | 923 | 29.0 | |
| M0058A-2X-1, 80 | 3.40 | S73 | 7.74 | 4.05 | 247 | 10.1 | 300.2 | 92.5 | 53.2 | 444 | 10.48 | 28.7 | 467 | 91 | 21.8 | 34.8 | 0 | 47 | 0 | 5 | 0 | 0 | 1.01 | 1.52 | 0 | 0 | 9.38 | 0 | 61 | 104 | 4.10 | 164 | 564 | 904 | 29.0 | |
| M0058A-2X-2, 20 | 3.87 | S74 | 7.74 | 4.11 | 264 | 10.1 | 285.2 | 93.6 | 53.4 | 444 | 10.42 | 28.9 | 466 | 84 | 23.0 | 39.1 | 142 | 46 | 0 | 0 | 0 | 0 | 0.78 | 1.62 | 0 | 0 | 9.51 | 0 | 46 | 88 | 3.43 | 217 | 568 | 937 | 29.3 | |
| M0058A-2X-2, 40 | 4.07 | S75 | 7.69 | 3.93 | 289 | 10.1 | 282.8 | 95.7 | 53.7 | 447 | 10.44 | 28.7 | 471 | 95 | 23.1 | 37.1 | 324 | 52 | 0 | 0 | 0 | 0 | 0.83 | 1.80 | 0 | 0 | 10.55 | 0 | 0 | 215 | 3.25 | 265 | 579 | 951 | 29.7 | |
| M0058A-2X-2, 60 | 4.27 | S76 | 7.63 | 4.04 | 311 | 9.8 | 282.7 | 96.1 | 53.3 | 445 | 10.34 | 28.0 | 467 | 102 | 23.5 | 35.4 | 323 | 191 | 0 | 0 | 0 | 0 | 1.00 | 1.80 | 0 | 59 | 10.41 | 0 | 72 | 107 | 3.23 | 585 | 572 | 970 | 29.2 | |
| M0058A-2X-2, 80 | 4.47 | S77 | 7.74 | 4.48 | 342 | 9.6 | 276.7 | 96.5 | 52.7 | 430 | 10.27 | 27.2 | 465 | 94 | 22.6 | 38.9 | 0 | 137 | 0 | 32 | 0 | 0 | 0.74 | 1.69 | 0 | 6 | 9.14 | 0 | 0 | 0 | 3.01 | 413 | 565 | 923 | 28.6 | |
| M0058A-2X-2, 100 | 4.67 | S78 | 7.75 | 4.24 | 350 | 9.5 | 279.6 | 97.6 | 53.2 | 442 | 10.28 | 26.9 | 465 | 93 | 23.3 | 35.8 | 279 | 132 | 0 | 11 | 0 | 0 | 0.77 | 1.77 | 0 | 5 | 12.43 | 0 | 0 | 0 | 3.43 | 386 | 568 | 922 | 28.6 | |
| M0058A-2X-2, 120 | 4.87 | S79 | 7.79 | 4.51 | 381 | 9.4 | 268.2 | 99.0 | 53.5 | 442 | 10.40 | 27.2 | 464 | 87 | 23.9 | 37.9 | 51 | 104 | 0 | 13 | 0 | 103 | 0.72 | 1.75 | 0 | 108 | 10.94 | 0 | 0 | 0 | 3.52 | 323 | 570 | 944 | 28.7 | |
| M0058A-3X-1, 20 | 5.80 | S80 | 7.60 | 4.71 | 375 | 9.4 | 264.8 | 99.0 | 53.9 | 446 | 10.34 | 27.3 | 470 | 98 | 24.3 | 35.7 | 446 | 0 | 14 | 0 | 0 | 0 | 0.81 | 1.90 | 0 | 74 | 11.07 | 0 | 0 | 0 | 3.73 | 358 | 570 | 934 | 28.6 | |
| M0058A-3X-1, 40 | 6.00 | S81 | 7.63 | 4.59 | 406 | 9.4 | 262.4 | 100.2 | 54.1 | 459 | 10.39 | 27.8 | 469 | 84 | 24.6 | 35.5 | 0 | 98 | 0 | 0 | 0 | 0 | 0.86 | 1.87 | 0 | 0 | 12.40 | 64 | 0 | 0 | 3.90 | 296 | 571 | 947 | 28.5 | |
| M0058A-3X-1, 60 | 6.20 | S82 | 7.59 | 4.59 | 411 | 9.3 | 242.3 | 99.6 | 53.4 | 450 | 10.33 | 27.4 | 47 | | | | | | | | | | | | | | | | | | | | | | | |