Supplementary Table 1. Organic geochemical characteristics at Site 1431.

|  |  |  |  |
| --- | --- | --- | --- |
| Depth (mbsf) | TOC (wt%) | C/N | δ13C(‰) |
|
| 0.02 | 0.37 | 4.0 | -20.9 |
| 0.29 | 0.27 | 3.4 | -21.0 |
| 0.63 | 0.78 | 6.2 | -19.4 |
| 0.92 | 0.94 | 8.4 | -20.6 |
| 1.72 | 0.17 | 5.7 | -19.6 |
| 2.87 | 0.65 | 8.1 | -20.8 |
| 26.65 | 0.29 | 7.9 | -21.5 |
| 36.15 | 0.24 | 3.3 | -22.2 |
| 45.65 | 0.24 | 2.8 | -21.5 |
| 64.65 | 0.18 | 3.1 | -21.6 |
| 74.15 | 0.29 | 3.5 | -22.1 |
| 83.60 | 0.17 | 2.7 | -21.7 |
| 91.60 | 0.34 | 4.5 | -22.3 |
| 102.60 | 0.34 | 3.6 | -22.1 |
| 112.10 | 0.54 | 4.4 | -24.1 |
| 121.60 | 0.41 | 5.0 | -22.9 |
| 131.40 | 0.43 | 4.8 | -21.4 |
| 140.65 | 0.41 | 5.5 | -21.7 |
| 147.55 | 0.39 | 4.9 | -21.4 |
| 158.27 | 0.37 | 4.6 | -22.5 |
| 166.40 | 0.37 | 5.9 | -21.7 |
| 173.25 | 0.33 | 3.8 | -23.1 |
| 182.90 | 0.26 | 3.0 | -21.7 |
| 192.50 | 0.28 | 4.3 | -21.4 |
| 202.41 | 0.48 | 5.3 | -23.1 |
| 211.70 | 0.16 | 4.3 | -21.9 |
| 221.30 | 0.30 | 4.0 | -21.7 |
| 240.50 | 0.29 | 4.9 | -21.5 |
| 251.60 | 0.42 | 4.6 | -23.2 |
| 259.75 | 0.19 | 2.8 | -22.2 |
| 269.45 | 0.49 | 5.7 | -22.9 |
| 280.65 | 0.10 | 2.2 | -21.7 |
| 288.85 | 0.15 | 3.9 | -22.2 |
| 297.05 | 0.17 | 2.8 | -22.3 |
| 308.25 | n.d. | n.d. | n.d. |
| 314.95 | 0.23 | 3.0 | -22.8 |
| 327.65 | 0.16 | 2.6 | -22.2 |
| 344.05 | 0.33 | 4.6 | -22.5 |
| 356.75 | 0.31 | 5.8 | -23.3 |
| 374.65 | 0.14 | 2.0 | -21.2 |
| 380.85 | 0.39 | 5.6 | -23 |
| 386.85 | 0.39 | 5.2 | -23.3 |
| 395.05 | 0.33 | 4.8 | -21.9 |
| 415.95 | 0.36 | 6.8 | -22.1 |
| 425.65 | 0.15 | 2.6 | -22.2 |
| 433.85 | 0.43 | 5.5 | -23.2 |
| 484.64 | 0.23 | 4.8 | -24.0 |
| 498.77 | 0.01 | 0.7 | -24.1 |
| 548.96 | 0.08 | 1.3 | -23.7 |
| 603.39 | 0.01 | 1.1 | -23.3 |
| 605.73 | 0.01 | 0.8 | -25.2 |
| 614.04 | 0.02 | 0.6 | -24.6 |
| 616.72 | 0.08 | 1.4 | -22.8 |
| 618.04 | 0.04 | n.d. | -24.8 |
| 622.82 | 0.02 | 2.3 | -22.2 |
| 626.34 | 0.01 | n.d. | -25.6 |
| 628.73 | 0.01 | 1.1 | -22.4 |
| 632.75 | 0.01 | 0.7 | -25.5 |
| 636.54 | 0.01 | n.d. | -24.1 |
| 643.47 | 0.07 | 2.5 | -22.8 |
| 643.85 | 0.09 | 4.2 | n.d. |
| 657.79 | 0.04 | 2.0 | -24 |
| 662.01 | 0.03 | 2.9 | -23.2 |
| 663.53 | n.d. | n.d. | -25.6 |
| 666.92 | 0.01 | 1.0 | n.d. |
| 669.82 | 0.01 | 0.3 | -26.7 |
| 672.24 | 0.01 | 0.5 | -25.4 |
| 676.5 | 0.04 | 2.1 | -25.4 |
| 680.26 | 0.01 | 0.9 | -25.3 |
| 681.88 | 0.05 | 2.4 | -23.4 |
| 693.04 | 0.01 | 2.8 | -26.1 |
| 699.31 | 0.07 | 2.7 | -23.0 |
| 700.62 | 0.06 | 3.9 | -27.7 |
| 703.95 | n.d. | n.d. | n.d. |
| 708.08 | 0.11 | n.d. | -22.6 |
| 711.24 | 0.02 | 0.8 | -26.0 |
| 711.94 | 0.01 | 1.3 | -25.7 |
| 729.76 | 0.03 | 1.4 | -25.8 |
| 733.92 | 0.01 | n.d. | -25.5 |
| 739.51 | 0.01 | 8.6 | -26.3 |
| 740.75 | 0.02 | 17.5 | -25.3 |
| 750.68 | 0.02 | n.d. | -26.0 |
| 750.9 | 0.06 | 5.0 | -26.1 |
| 755.04 | 0.01 | 4.5 | -25.5 |
| 759.45 | 0.04 | 3.4 | -24.9 |
| 760.94 | 0.02 | 5.8 | -26.1 |
| 769.72 | 0.02 | n.d. | -25.6 |
| 790.43 | 0.05 | 8.4 | -25.8 |
| 800.47 | 0.03 | 5.9 | -23.9 |
| 802.37 | 0.01 | 1.3 | -26.3 |
| 805.08 | 0.05 | 5.6 | -24.8 |
| 805.65 | 0.04 | 9.3 | -24.1 |
| 808.5 | 0.05 | 4.3 | -24.1 |
| 812.5 | 0.01 | 1.3 | -26.2 |
| 815.6 | 0.04 | 13.6 | -24.4 |
| 817.22 | 0.02 | 16.9 | -25.2 |
| 820.25 | 0.03 | 1.2 | -25.9 |
| 821.11 | 0.03 | 2.9 | -26.1 |
| 823.52 | 0.02 | 0.6 | -26.3 |
| 828.79 | 0.02 | 2.5 | -26.1 |
| 832.96 | 0.02 | 2.3 | -23.2 |
| 839.27 | 0.02 | n.d. | -23.8 |
| 842.69 | 0.04 | 1.1 | -24.2 |
| 844.53 | 0.04 | 4.2 | -23.3 |
| 849.83 | 0.04 | 1.9 | -24.3 |
| 853.27 | 0.06 | 3.3 | -23.1 |
| 855.28 | 0.01 | 2.1 | -26.0 |
| 860.36 | 0.06 | 2.8 | -23.8 |
| 862.59 | 0.04 | 9.5 | -25.0 |
| 868.16 | 0.03 | 16.5 | -24.7 |
| 875.86 | 0.02 | 7.0 | -24.1 |
| 880.55 | 0.04 | 4.0 | -24.7 |
| 881.35 | 0.19 | 5.1 | -23.8 |
| 884.76 | 0.04 | 1.4 | -23.8 |
| 885.64 | 0.04 | 1.3 | -23.7 |
| 887.03 | 0.05 | 1.1 | -24.9 |
| 889.14 | 0.04 | 1.0 | -24.8 |
| 962.75 | 0.03 | 0.9 | -24.1 |
| 965.85 | 0.04 | 1.3 | -23.6 |
| 966.24 | 0.04 | 1.3 | -24.6 |

 n.d. indicates not detected.

 Supplementary Table 2. Organic geochemical characteristics at Site 1433.

|  |  |  |  |
| --- | --- | --- | --- |
| Depth (mbsf) | TOC (wt%) | C/N | δ13C(‰) |
| 2.95 | 0.51 | 7.3 | -21.4 |
| 7.45 | 0.51 | 5.1 | -20.7 |
| 11.90 | 0.76 | 4.3 | -21.7 |
| 14.90 | 0.66 | 6.6 | -21.7 |
| 21.35 | 0.56 | 6.2 | -22.2 |
| 25.85 | 0.60 | 4.6 | -21.8 |
| 30.85 | 0.58 | 5.8 | -21.7 |
| 35.35 | 0.52 | 4.1 | -21.9 |
| 49.85 | 0.68 | 6.2 | -21.1 |
| 54.16 | 0.48 | 4.3 | -20.8 |
| 59.35 | 0.47 | 5.9 | -21.2 |
| 63.85 | 0.59 | 5.9 | -22.0 |
| 68.85 | 0.38 | 6.3 | -21.3 |
| 71.85 | 0.80 | 5.7 | -21.7 |
| 78.35 | 0.65 | 4.5 | -22.9 |
| 89.57 | 0.72 | 8.0 | -22.1 |
| 98.93 | 0.50 | 6.3 | -21.5 |
| 108.15 | 0.48 | 4.2 | n.d. |
| 128.60 | 0.51 | 6.1 | -22.1 |
| 138.10 | 0.50 | 4.3 | -21.8 |
| 147.39 | 0.43 | 5.4 | -22.1 |
| 156.90 | 0.59 | 8.4 | -22.7 |
| 166.52 | 0.54 | 4.5 | -21.8 |
| 175.53 | 0.47 | 6.2 | -21.8 |
| 186.67 | 0.47 | 6.7 | -22.2 |
| 195.95 | 0.45 | 4.8 | -20.9 |
| 217.85 | 0.40 | 5.0 | -21.7 |
| 227.55 | 0.43 | 6.1 | -22.1 |
| 235.61 | 0.39 | 5.6 | -21.8 |
| 243.95 | 0.42 | 4.4 | -21.8 |
| 256.65 | 0.43 | 5.0 | -22.2 |
| 263.25 | 0.39 | 5.6 | -22.3 |
| 283.63 | 0.39 | 7.8 | -25.8 |
| 296.09 | 0.41 | 4.3 | -22.3 |
| 307.17 | 0.47 | 6.0 | -22.6 |
| 314.85 | 0.22 | 5.5 | -21.2 |
| 323.05 | 0.36 | 4.1 | -22.8 |
| 332.70 | 0.42 | 5.0 | -22.0 |
| 342.25 | 0.38 | 4.8 | -21.9 |
| 350.47 | 0.31 | 6.2 | -21.5 |
| 363.11 | 0.23 | 2.1 | -22.0 |
| 371.44 | 0.29 | 7.1 | -19.6 |
| 381.25 | 0.20 | 3.0 | -21.6 |
| 389.45 | 0.34 | 5.7 | -23.1 |
| 402.12 | 0.42 | 5.3 | -23.3 |
| 413.15 | 0.36 | 5.0 | -23.0 |
| 423.05 | 0.21 | 3.7 | -21.7 |
| 439.85 | 0.27 | 9.0 | -21.5 |
| 447.65 | 0.33 | 8.6 | -19.4 |
| 459.43 | 0.30 | 5.4 | -23.2 |
| 472.23 | 0.21 | 4.1 | -21.8 |
| 480.85 | 0.30 | 6.0 | -23.2 |
| 487.25 | 0.34 | 5.4 | -22.6 |
| 505.98 | 0.31 | 4.8 | -22.7 |
| 519.48 | 0.39 | 4.9 | n.d. |
| 527.35 | 0.36 | 6.0 | -23.0 |
| 537.95 | 0.40 | 4.6 | -22.7 |
| 548.67 | 0.22 | 5.0 | -20.5 |
| 557.26 | 0.39 | 9.1 | -19.3 |
| 567.05 | 0.39 | 5.6 | -22.7 |
| 576.35 | 0.31 | 7.0 | -19.3 |
| 587.95 | 0.12 | 3.2 | -21.4 |
| 604.35 | 0.20 | 2.3 | -22.0 |
| 631.95 | 0.17 | 2.4 | -22.1 |
| 640.91 | 0.18 | 2.2 | -22.0 |
| 651.02 | 0.16 | 1.9 | -22.2 |
| 663.20 | 0.18 | 2.2 | -18.8 |
| 710.03 | 0.33 | 11.0 | -19.7 |
| 718.27 | 0.11 | 10.6 | n.d. |
| 740.72 | 0.09 | 14.5 | -20.0 |
| 747.71 | 0.29 | 1.8 | -20.6 |
| 781.24 | <0.01 | <0.01 | n.d. |

 n.d. indicates not detected.

Supplementary Table 3. Organic geochemical characteristics at Site 1148.

|  |  |  |
| --- | --- | --- |
| Depth(mbsf) | TOC(wt%) | δ13C(‰) |
| 0.56 | 0.69 | -21.3 |
| 2.06 | 1.64 | -21.1 |
| 3.56 | 1.69 | -19.9 |
| 8.06 | 1.64 | n.d. |
| 10.12 | 1.03 | n.d. |
| 13.11 | 1.48 | -21.4 |
| 16.11 | 1.54 | -21.2 |
| 20.21 | 1.42 | n.d. |
| 23.21 | 0.88 | n.d. |
| 27.21 | 1.33 | -22.1 |
| 30.21 | 0.59 | -21.5 |
| 30.76 | 1.48 | -21.4 |
| 33.76 | 1.29 | -20.8 |
| 35.26 | 0.89 | -24.0 |
| 36.86 | 0.58 | -22.9 |
| 38.36 | 0.89 | -22.1 |
| 41.36 | 0.48 | n.d. |
| 43.46 | 0.68 | n.d. |
| 44.96 | 0.76 | -21.5 |
| 48.16 | 0.94 | -22.3 |
| 49.66 | 0.64 | -21.1 |
| 51.16 | 0.77 | -21.3 |
| 52.66 | 1.24 | -21.0 |
| 58.76 | 0.62 | -21.7 |
| 60.26 | n.d. | -20.6 |
| 61.76 | 0.69 | -21.6 |
| 67.23 | 0.48 | -20.5 |
| 68.73 | 0.49 | -21.2 |
| 70.23 | 0.35 | -20.8 |
| 71.73 | 0.54 | -21.1 |
| 73.23 | 0.39 | -21.3 |
| 78.53 | 0.46 | -21.3 |
| 80.03 | 0.43 | -21.6 |
| 81.53 | 0.42 | -21.2 |
| 82.83 | 0.42 | -21.2 |
| 84.33 | 0.60 | -21.6 |
| 88.03 | 0.44 | -21.5 |
| 89.53 | 0.58 | -21.5 |
| 91.03 | 0.52 | -21.4 |
| 92.53 | 0.57 | -21.4 |
| 94.03 | 0.33 | -22.2 |
| 98.58 | 0.42 | -22.6 |
| 100.08 | 0.41 | -21.6 |
| 101.58 | 0.47 | -22.0 |
| 103.08 | 0.33 | -21.3 |
| 103.85 | 0.47 | -21.7 |
| 109.03 | 0.35 | -20.9 |
| 110.53 | 0.24 | -22.2 |
| 112.04 | 0.31 | -21.4 |
| 113.56 | 0.24 | -22.3 |
| 119.96 | 0.34 | -21.7 |
| 121.46 | 0.28 | -22.2 |
| 122.71 | 0.36 | -22.7 |
| 124.21 | 0.31 | -21.6 |
| 126.91 | 0.31 | -22.6 |
| 128.41 | 0.28 | -21.9 |
| 129.94 | 0.30 | n.d. |
| 131.41 | 0.30 | -22.4 |
| 132.91 | 0.33 | -22.6 |
| 134.41 | 0.32 | -22.6 |
| 138.36 | 0.32 | -22.3 |
| 139.86 | 0.32 | -22.4 |
| 141.36 | 0.30 | -22.6 |
| 142.86 | 0.34 | -22.5 |
| 144.36 | 0.28 | -22.4 |
| 149.58 | 0.37 | -22.1 |
| 151.08 | 0.24 | -22.1 |
| 152.58 | 0.32 | -22.2 |
| 154.08 | 0.25 | -21.9 |
| 156.08 | 0.29 | -22.3 |
| 157.58 | 0.26 | -22.0 |
| 159.08 | 0.29 | -22.2 |
| 160.58 | 0.21 | -22.6 |
| 162.08 | 0.24 | -22.1 |
| 163.58 | 0.27 | -21.8 |
| 165.68 | 0.18 | -21.8 |
| 167.18 | 0.27 | -21.6 |
| 170.18 | 0.21 | -21.6 |
| 171.68 | 0.29 | -22.5 |
| 175.28 | n.d. | -22.0 |
| 176.78 | 0.16 | -21.9 |
| 178.28 | n.d. | -21.9 |
| 179.78 | 0.15 | -21.8 |
| 181.28 | 0.43 | -22.0 |
| 182.78 | 0.15 | -22.1 |
| 184.88 | 0.24 | -22.5 |
| 186.38 | 0.15 | -21.4 |
| 187.88 | 0.22 | -21.6 |
| 189.38 | 0.11 | -21.2 |
| 190.88 | 0.21 | -21.5 |
| 192.36 | 0.12 | -21.3 |
| 194.58 | 0.23 | -20.9 |
| 196.08 | 0.11 | -20.4 |
| 197.58 | 0.11 | -20.8 |
| 199.08 | 0.11 | -20.6 |
| 200.58 | 0.14 | -20.7 |
| 202.08 | 0.10 | -20.3 |
| 204.28 | 0.13 | -20.9 |
| 205.78 | 0.28 | -20.6 |
| 207.28 | 0.13 | -20.8 |
| 208.78 | 0.19 | -21.0 |
| 210.28 | 0.12 | -21.8 |
| 211.78 | 0.22 | -20.9 |
| 215.38 | 0.11 | -20.8 |
| 216.88 | 0.26 | n.d. |
| 218.38 | 0.12 | -21.4 |
| 219.88 | 0.24 | -21.8 |
| 221.38 | 0.11 | -21.5 |
| 223.58 | 0.21 | n.d. |
| 224.58 | 0.10 | -21.6 |
| 226.58 | 0.24 | -22.2 |
| 228.08 | 0.11 | -21.5 |
| 229.58 | 0.15 | n.d. |
| 231.08 | 0.11 | -21.7 |
| 233.18 | n.d. | -21.5 |
| 234.68 | 0.10 | n.d. |
| 236.18 | 0.19 | n.d. |
| 237.68 | 0.10 | -22.3 |
| 239.18 | 0.19 | -21.8 |
| 240.68 | 0.07 | -22.0 |
| 242.78 | 0.26 | -22.1 |
| 244.28 | 0.10 | -21.9 |
| 245.78 | 0.20 | -21.2 |
| 248.78 | 0.10 | -21.7 |
| 248.78 | 0.24 | n.d. |
| 250.28 | 0.09 | -22.7 |
| 252.38 | 0.29 | -22.3 |
| 255.38 | 0.08 | -22.6 |
| 256.88 | 0.18 | -21.9 |
| 258.38 | 0.08 | -21.9 |
| 259.88 | 0.29 | -22.4 |
| 261.98 | 0.08 | -22.2 |
| 263.48 | 0.15 | -22.2 |
| 266.48 | 0.69 | -22.7 |
| 267.98 | 0.19 | -21.9 |
| 269.48 | 0.36 | -23.3 |
| 270.98 | 0.15 | -21.2 |
| 271.58 | 0.27 | -22.2 |
| 273.08 | 0.20 | -22.0 |
| 276.08 | 0.20 | -22.1 |
| 277.58 | 0.22 | -22.4 |
| 279.08 | 0.15 | n.d. |
| 281.18 | 0.15 | -21.6 |
| 282.68 | 0.15 | -21.5 |
| 284.18 | 0.12 | -22.0 |
| 285.68 | 0.12 | -21.6 |
| 287.18 | 0.06 | -21.8 |
| 288.68 | 0.13 | -21.6 |
| 290.78 | 0.06 | -21.7 |
| 292.28 | 0.11 | -21.7 |
| 293.78 | 0.06 | -22.2 |
| 295.28 | 0.13 | -21.9 |
| 296.78 | n.d. | -21.9 |
| 298.28 | 0.09 | -22.7 |
| 300.38 | 0.04 | -22.1 |
| 301.88 | 0.12 | -21.1 |
| 303.38 | n.d. | -21.9 |
| 304.88 | n.d. | -22.3 |
| 306.38 | 0.02 | n.d. |
| 307.88 | 0.11 | -21.1 |
| 310.08 | 0.03 | -22.3 |
| 311.58 | 0.11 | -22.1 |
| 313.08 | 0.03 | -22.1 |
| 314.58 | 0.10 | -21.5 |
| 316.08 | n.d. | n.d. |
| 317.58 | 0.12 | -21.3 |
| 319.87 | 0.02 | n.d. |
| 321.37 | 0.11 | -21.8 |
| 322.87 | 0.03 | n.d. |
| 324.37 | 0.11 | -22.2 |
| 325.87 | 0.02 | n.d. |
| 327.37 | 0.13 | -22.4 |
| 329.38 | 0.10 | -22.7 |
| 330.88 | 0.13 | -22.4 |
| 332.38 | 0.08 | n.d. |
| 333.88 | 0.12 | -22.3 |
| 335.38 | 0.09 | -22.3 |
| 336.88 | 0.15 | -22.1 |
| 341.98 | 0.14 | n.d. |
| 343.48 | 0.12 | -22.2 |
| 344.98 | 0.11 | -22.2 |
| 346.48 | 0.13 | -22.3 |
| 348.58 | 0.08 | -22.8 |
| 350.08 | 0.11 | -22.2 |
| 351.58 | 0.08 | -22.5 |
| 353.08 | 0.12 | -22.2 |
| 354.59 | 0.12 | n.d. |
| 356.09 | 0.12 | -22.3 |
| 358.08 | 0.09 | -21.7 |
| 359.58 | 0.10 | n.d. |
| 361.08 | 0.10 | -21.8 |
| 362.58 | 0.10 | -21.4 |
| 364.08 | 0.10 | n.d. |
| 365.58 | 0.13 | -21.9 |
| 367.68 | 0.10 | n.d. |
| 369.18 | 0.08 | -21.6 |
| 370.68 | 0.09 | -21.9 |
| 372.18 | 0.08 | -21.4 |
| 373.68 | 0.10 | -23.3 |
| 375.48 | 0.08 | -21.8 |
| 377.28 | 0.10 | n.d. |
| 378.78 | 0.12 | -21.8 |
| 380.28 | 0.12 | -21.9 |
| 381.78 | 0.13 | -21.7 |
| 383.28 | 0.10 | -22.5 |
| 384.78 | 0.11 | -21.3 |
| 386.98 | 0.13 | -23.2 |
| 388.48 | 0.11 | -21.5 |
| 389.98 | 0.12 | -23.7 |
| 391.48 | 0.11 | -20.9 |
| 392.98 | 0.16 | -23.5 |
| 394.48 | 0.10 | n.d. |
| 396.68 | 0.12 | n.d. |
| 398.18 | 0.09 | -21.5 |
| 399.68 | 0.09 | -21.4 |
| 401.18 | 0.11 | -21.7 |
| 402.68 | 0.09 | -21.4 |
| 404.18 | 0.09 | -21.7 |
| 406.28 | 0.12 | -21.2 |
| 407.78 | 0.08 | -21.7 |
| 409.28 | 0.08 | n.d. |
| 410.78 | 0.10 | n.d. |
| 412.28 | 0.09 | -21.7 |
| 413.78 | 0.10 | n.d. |
| 415.98 | 0.12 | -22.3 |
| 417.48 | 0.09 | n.d. |
| 418.98 | 0.13 | -21.9 |
| 420.48 | 0.12 | -21.1 |
| 421.98 | 0.11 | -22.5 |
| 423.48 | 0.10 | -22.2 |
| 425.68 | 0.14 | -22.2 |
| 427.18 | 0.12 | -22.1 |
| 428.68 | 0.10 | -22.2 |
| 430.18 | 0.11 | -22.9 |
| 431.68 | 0.10 | -22.7 |
| 433.18 | 0.10 | n.d. |
| 435.28 | 0.10 | -22.0 |
| 436.78 | 0.11 | n.d. |
| 438.28 | 0.13 | -21.7 |
| 439.78 | 0.09 | n.d. |
| 441.28 | 0.11 | n.d. |
| 442.78 | 0.09 | -22.1 |
| 444.98 | 0.12 | -22.9 |
| 446.48 | 0.18 | -21.2 |
| 447.98 | 0.14 | -21.7 |
| 449.48 | 0.10 | n.d. |
| 450.98 | 0.07 | -21.1 |
| 452.48 | 0.09 | n.d. |
| 454.58 | 0.11 | -21.3 |
| 456.08 | 0.09 | n.d. |
| 457.58 | 0.08 | -21.6 |
| 459.08 | 0.04 | n.d. |
| 460.58 | 0.13 | -21.6 |
| 462.08 | 0.04 | n.d. |
| 464.18 | 0.11 | -21.6 |
| 465.68 | 0.05 | n.d. |

 n.d. indicates not detected.