

Table T20. Core void gas composition, Site U1352. (See table notes.)

Core, section, interval (cm)	Depth CSF-A (m)	C ₁ (ppmv)	C ₂ (ppmv)	C ₂₌ (ppmv)	C ₃ (ppmv)	C ₃₌ (ppmv)	n-C ₄ (ppmv)	i-C ₄ (ppmv)	n-C ₅ (ppmv)	i-C ₅ (ppmv)	n-C ₆ (ppmv)	br-C ₆ (ppmv)	CO ₂ (ppmv)	C ₁ /C ₂	n-C ₄ /(i-C ₄ + n-C ₄) (%)	n-C ₅ /(i-C ₅ + n-C ₅) (%)	n-C ₆ /(i-C ₆ + n-C ₆) (%)	C ₂ /(C ₂ + C ₂₌) (%)	C ₃ /(C ₃ + C ₃₌) (%)
317-U1352B-																			
4H-7, 29	32.49	869,603	46.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ND	18,969	ND	ND	ND	100.00	ND
5H-1, 37	33.07	910,149	50.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ND	18,314	ND	ND	ND	100.00	ND
5H-5, 28	38.98	940,365	53.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ND	17,596	ND	ND	ND	100.00	ND
5H-4, 26	40.18	845,453	52.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ND	16,373	ND	ND	ND	100.00	ND
6H-5, 3	52.23	927,165	69.0	0.00	0.0	0.00	0.00	0.41	0.00	0.18	0.00	0.00	ND	13,481	0.0	0.0	ND	100.00	ND
9H-3, 26	77.96	718,475	84.0	0.48	1.2	0.00	0.00	0.57	0.00	0.22	0.00	0.00	ND	8,573	0.0	0.0	ND	99.43	100.00
10H-8, 11	93.07	467,881	61.0	0.28	1.2	0.00	0.00	0.41	0.19	0.24	2.43	0.51	ND	7,699	0.0	44.5	82.6	99.54	100.00
11H-1, 95	94.65	909,977	137.0	0.00	3.7	0.00	0.00	1.28	0.00	0.33	0.00	0.00	ND	6,661	0.0	0.0	ND	100.00	100.00
14H-1, 92	123.12	961,209	161.0	0.00	2.8	0.00	0.00	1.23	0.00	0.99	0.00	0.00	ND	5,979	0.0	0.0	ND	100.00	100.00
18H-2, 5	157.75	730,810	148.0	0.25	2.4	0.00	0.00	0.21	0.00	0.30	0.00	0.00	ND	4,926	0.0	0.0	ND	99.83	100.00
19H-5, 35	172.05	960,020	201.0	0.00	2.9	0.00	0.00	1.24	0.00	0.47	0.00	0.00	ND	4,778	0.0	0.0	ND	100.00	100.00
21H-1, 135	181.05	956,075	217.0	0.00	3.3	0.00	0.00	1.13	0.00	1.36	0.00	0.00	ND	4,404	0.0	0.0	ND	100.00	100.00
22H-2, 26	190.96	960,680	216.0	0.00	3.6	0.00	0.00	0.76	0.00	1.05	0.00	0.00	ND	4,441	0.0	0.0	ND	100.00	100.00
23H-1, 121	199.91	950,445	223.0	0.00	3.1	0.00	0.00	0.90	0.00	0.44	0.00	0.00	ND	4,258	0.0	0.0	ND	100.00	100.00
24H-2, 125	210.95	920,891	228.0	0.00	3.6	0.00	0.26	0.70	0.00	0.53	0.00	0.00	ND	4,036	27.1	0.0	ND	100.00	100.00
25H-2, 29	219.49	944,804	240.0	0.00	4.5	0.00	0.00	0.73	0.00	0.67	0.00	0.00	ND	3,944	0.0	0.0	ND	100.00	100.00
26H-2, 41	229.03	957,125	250.0	0.00	4.8	0.00	0.00	0.81	0.00	0.85	0.26	0.00	ND	3,825	0.0	0.0	100.0	100.00	100.00
27H-6, 25	244.45	955,414	282.0	0.00	6.8	0.00	0.27	0.80	0.00	0.71	0.00	0.00	ND	3,390	25.0	0.0	ND	100.00	100.00
28H-3, 90	250.03	953,728	280.0	0.84	6.6	0.00	0.00	0.75	0.00	0.51	0.00	0.00	ND	3,407	0.0	0.0	ND	99.70	100.00
29H-4, 44	256.14	921,538	283.0	0.00	7.2	0.00	0.23	1.08	0.00	0.65	0.00	0.00	ND	3,259	17.6	0.0	ND	100.00	100.00
30H-4, 114	263.34	939,056	274.0	0.00	6.9	0.00	0.00	0.85	0.00	0.70	0.00	0.00	ND	3,422	0.0	0.0	ND	100.00	100.00
31H-5, 61	271.62	963,948	302.0	0.00	8.9	0.00	0.00	0.77	0.00	0.76	0.00	0.00	ND	3,187	0.0	0.0	ND	100.00	100.00
32H-4, 144	278.14	943,942	301.0	0.00	9.4	0.00	0.00	0.98	0.00	0.53	0.00	0.00	ND	3,137	0.0	0.0	ND	100.00	100.00
33H-5, 124	287.38	967,438	321.0	0.00	11.7	0.00	0.44	1.46	0.00	1.17	0.00	0.00	ND	3,017	23.1	0.0	ND	100.00	100.00
34H-2, 38	288.84	940,614	400.0	0.00	15.0	0.00	0.50	1.95	0.00	1.37	0.00	0.16	ND	2,350	20.2	0.0	0.0	100.00	100.00
35H-1, 07	293.87	856,279	303.0	0.45	11.9	0.00	0.87	2.20	0.00	1.68	0.00	0.00	ND	2,822	28.4	0.0	ND	99.85	100.00
39X-2, 27	313.97	917,689	392.0	0.00	15.7	0.00	0.62	1.31	0.00	0.79	0.00	0.00	ND	2,340	32.0	0.0	ND	100.00	100.00
41X-2, 0	333.00	930,406	425.0	0.50	19.4	0.00	0.43	1.12	0.00	1.49	0.00	0.00	ND	2,191	27.7	0.0	ND	99.88	100.00
43X-1, 105	351.75	930,744	439.0	0.03	23.1	0.00	0.28	1.02	0.00	1.12	0.00	0.00	ND	2,119	21.8	0.0	ND	99.99	100.00
44X-3, 139	364.79	960,430	377.0	0.00	19.0	0.00	0.41	0.67	0.00	0.63	0.00	0.00	ND	2,550	37.9	0.0	ND	100.00	100.00
47X-7, 47	398.47	960,508	420.0	0.00	31.4	0.00	0.27	0.77	0.00	1.14	0.19	0.00	ND	2,289	26.0	0.0	100.0	100.00	100.00
49X-2, 77	410.57	963,567	486.0	0.00	45.3	0.00	0.38	1.51	0.00	1.00	0.00	0.00	ND	1,983	20.3	0.0	ND	100.00	100.00
50X-3, 78	421.68	965,701	494.0	3.99	53.0	1.56	0.78	2.01	0.00	0.95	0.23	0.19	ND	1,953	28.0	0.0	55.0	99.20	97.14
51X-5, 57	434.07	957,477	466.0	0.00	47.8	0.00	0.45	1.34	0.00	0.61	0.00	0.00	ND	2,054	25.0	0.0	ND	100.00	100.00
52X-6, 30	444.90	951,964	469.0	0.94	52.6	0.00	0.48	1.16	0.00	0.56	0.00	0.00	ND	2,032	29.4	0.0	ND	99.80	100.00
53X-4, 114	452.34	954,944	502.0	1.36	58.2	0.00	0.46	1.34	0.00	0.59	0.00	0.00	ND	1,901	25.5	0.0	ND	99.73	100.00
54X-4, 38	461.18	963,698	558.0	0.13	70.3	0.00	0.63	1.91	0.00	1.03	0.00	0.19	439	1,728	24.9	0.0	0.0	99.98	100.00
55X-1, 147	467.37	860,173	966.0	440.53	196.0	262.46	34.75	10.11	1.88	2.26	0.00	0.00	1,543	891	77.5	45.4	ND	68.67	42.75
58X-5, 116	500.58	969,448	536.0	0.00	67.6	0.00	0.55	3.08	0.00	0.68	0.00	0.00	397	1,808	15.0	0.0	ND	100.00	100.00
76X-1, 82	658.72	592,919	529.0	0.17	123.5	0.00	1.57	36.33	0.00	3.69	0.00	0.30	821	1,121	4.2	0.0	0.0	99.97	100.00
317-U1352C-																			
59R-5, 83	1,176.53	1,360	14.0	0.00	7.8	0.00	0.61	1.70	0.00	0.70	0.00	0.00	ND	98	26.3	0.0	ND	100.00	100.00
70R-4, 0	1,251.16	1,747	17.0	0.00	10.2	0.00	1.41	2.46	0.00	1.25	0.00	0.00	525	101	36.5	0.0	ND	100.00	100.00
94R-4, 32	1,433.42	153	2.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	691	98	ND	ND	ND	100.00	ND
103R-5, 114	1,513.24	2,139	22.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	529	96	ND	ND	ND	100.00	ND
126R-4-VAC 0.35	1,721.35	2,028	24.0	0.00	4.8	0.00	0.86	0.99	0.00	0.68	0.00	0.00	435	84	46.49	ND	ND	100.00	ND
128R-2, 1.4	1,738.65	3,232	21.0	0.00	4.1	0.00	0.58	0.82	0.00	0.48	0.00	0.00	413	157	41.41	ND	ND	100.00	ND

Notes: Samples from Hole U1352B: C₂–C₃ analyzed on GC3. C₁ and C₄–C₆ analyzed on natural gas analyzer (NGA) and normalized to methane from GC3 analysis. Cores 317-U1352C-59R through 103R: C₁–C₃ analyzed on GC3. C₄–C₆ analyzed on NGA and normalized to methane in GC3 analysis. Cores 317-U1352C-126R and 128R: all components analyzed on NGA. CO₂ analyzed by thermal conductivity detector on NGA. br-C₆ is the peak eluting before n-C₆, which may include as many as five branched alkane isomers. ND = not determined.

