

**Table 2: Fluid-inclusion microthermometric results of diagenetic minerals.**

Sample	Host mineral	Occurrence	Size (μm)	Vapor%	Tm-first (°C)	Tm-HH (°C)	Tm-H2O (°C)	Th range (°C)	Th mean (°C)	XNaCl	Salinity (wt.%)
c-92-J/94-P-10 1178.30m	Barite	Random	9 - 15	5	-	-22.7	-7.4 (2)	87 - 102 (6)	95	0.8	11.0 (2)
		Random	5 - 10	5	-	-	-7.3 (3)	90 - 105 (5)	96	-	10.9 (3)
		Random	7 - 9	5	-44	-22.9 (2)	-7.9	88 - 90 (2)	89	0.8	11.7
		Random	10 - 16	5	-51	-22.1	-7.7	89 - 96 (2)	93	0.9	11.4
		Random	7	5	-44	-	-6.3	100 - 109 (3)	105	-	9.6
		Random	4 - 10	5	-53	-23.4	-6.0	78 - 80 (2)	79	0.8	9.4
		Random	7	5	-51	-21.4	-16.0	100 - 113 (5)	116	1.0	19.4
		Random	6 - 10	5	-52	-22.1	-7.1	104 - 105 (2)	105	0.9	10.7
		Random	3 - 6	5	-	-	-6.9	95 - 106 (3)	100	-	10.4
		Random	5 - 7	5	-45	-	-6.5	98 - 115 (4)	108	-	9.9
		Random	17	3	-51	-22.6	-7.2		56	0.8	10.9
			8	0	-	-	-		all-liquid	-	-
c-92-J/94-P-10 1175.10m	Saddle dolomite	Isolated	5	10	-	-	-10.7		115	-	14.7
		Isolated	5	10	-46	-	-10.7		108	-	14.7
		Isolated	6	15	-48	-	-11.3		118	-	15.3
		Isolated	5	5	-50	-	-12.9		99	-	16.8
		Cloudy core	5 - 6	10	-53	-	-22.8 (2)	123 - 134 (2)	129	≤ 0.9	23.5 (2)
		Isolated	7	5	-53	-24.5	-9.8		103	0.7	13.8
		Isolated	6	10	-54	-26.6	-19.5		103	0.5	21.1
		Isolated	7	5	-64	-	-26.7		99	≤ 0.5	24.8
		Isolated	6	5	-55	-	-25.0		133	≤ 0.6	24.3
		Cluster	6-14	5	-52 (2)	-	-6.8 (2)	90 - 104 (2)	97	-	10.3 (2)
	Non-Fe calcite	Isolated	8	5	-53	-21.4	-7.6		102	1.0	11.3
		Isolated	7	5	-50	-	-6.9		99	-	10.4
		Isolated	6	5	-54	-22.7	-8.8		97	0.8	12.7
		Isolated	4	5	-	-	-		90	-	-
		Isolated	5	8	-52	-	-8.7		108	-	12.5
		Isolated	8	8	-51	-22.7	-8.7		112	0.8	12.6
		Isolated	5	5	-49	-	-8.7		95	-	12.5
		Isolated	6	5	-50	-23.0	-9.4		111	0.8	13.4
		Isolated	15	5	-53	-21.4	-9.2		98	1.0	13.1
		Isolated	10	5	-	-	-8.7		81	-	12.5
		Isolated	8	5	-52	-	-5.6		84	-	8.7
		Isolated	4	5	-	-	-5.7		82	-	8.8
		Isolated	6	5	-51	-	-8.1		75	-	11.8
		Isolated	5	5	-51	-	-8.0		79	-	11.7
		Isolated	18	5	-53	-23.0	-9.2		77	0.8	13.2
		Isolated	11	5	-	-	-9.3		84	-	13.2
		Isolated	7	5	-	-	-8.0		81	-	11.7
		Isolated	8	5	-57	-23.7	-7.9		87	0.7	11.7
c-92-J/94-P-10 1171.53m	Barite	Isolated	16	3	-55	-22.9	-10.3		60	0.8	14.3
		Isolated	18	0	-57	-22.4	-9.7		all-liquid	0.9	13.7
		Isolated	9	5	-54	-22.7	-8.7		55	0.8	12.6
		Isolated	8	5	-55	-22.9	-8.5		61	0.8	12.4
		Isolated	14	2	-55	-21.1	-10.8		95	-	14.8
		Isolated	5	5	-	-	-8.5		104	-	12.3
		Isolated	12	2	-49	-24.9	-7.3		109	0.6	11.1
		Isolated	15	2	-51	-	-19.0		85	-	21.7
		Isolated	10	5	-53	-22.8	-11.2		110	0.8	15.2
		Cluster	3 - 8	10	-50	-	-7.6	108 - 113 (2)	111	-	11.2
	Saddle dolomite	Isolated	8	10	-61	-	-7.1		149	-	10.6
		Isolated	4	10	-	-	-20.1		136	-	22.4
		Isolated	6	10	-59	-	-12.1		132	-	16.1
		Cluster	5 - 10	5	-56	-	-10.8 (2)	102 - 111 (3)	106	-	14.8 (2)
		Isolated	3	10	-62	-	-9.7		125	-	13.6
		Isolated	8	5	-56	-27.8	-10.2		80	0.4	14.2
		Isolated	11	10	-59	-	-10.5		110	-	14.5
		Isolated	7	10	-62	-26.3	-10.5		110	0.5	14.5
		Isolated	6	10	-	-	-10.8		100	-	14.8
		Isolated	8	5	-50	-	-9.4		121	-	13.3
		Isolated	5	10	-50	-	-10.6		133	-	14.6
		Isolated	4	10	-	-	-10.8		-	-	14.8

a-21-A/94-P-15 1124.73m	Saddle dolomite	Isolated	8	10	-56	-24.4	-11.1		117	0.7	15.1
		Isolated	6	10	-	-	-11.0		136	-	15.0
		Isolated	11	10	-62	-	-14.3		140	-	18.0
		Isolated	7	10	-52	-	-10.9		121	-	14.9
		Isolated	8	10	-58	-	-8.6		114	-	12.4
		Isolated	5	10	-	-	-10.1		115	-	14.0
		Isolated	7	10	-61	-25.9	-20.6		112	0.6	21.9
		Isolated	6	10	-54	-	-12.6		132	-	16.5
		Isolated	11	10	-55	-24.4	-12.9		124	0.7	16.6
		Isolated	6	5	-57	-	-14.0		93	-	17.8
		Isolated	4	10	-64	-	-25.0		96	< 0.6	24.1
		Isolated	6	10	-57	-25.6	-8.6		102	0.6	12.6
		Isolated	4	10	-	-	-27.0		112	< 0.5	24.9
		Isolated	7	-	-53	-24.9	-21.4		100	0.6	22.5
		Isolated	9	10	-53	-	-8.8		124	-	12.2
a-21-A/94-P-15 1115.77m	Sphalerite	Cluster	6	5	-	-	-		60	-	-
		Cluster	8	5	-67	-	-23.3		71	≤ 0.8	23.8
		Isolated	10	5	-	-	-		77	-	-
		Isolated	4	5	-	-	-22.4		73	≤ 0.9	23.6
		Isolated	13	5	-61	-32.7	-21.8		62	0.3	22.0
		Cluster	12	5	-66	-32.7	-22.4		66	0.3	22.3
		Isolated	20	5	-55	-29.7	-22.1		86	0.4	22.3
		Cluster	9 - 22	10	-56 (2)	-23.9	-7.3 (2)	105 - 109 (2)	107	0.7	11.0 (2)
		Isolated	7	5	-62	-	-23.9		83	≤ 0.7	24.0
		Isolated	6	5	-	-	-		92	-	-
c-34-A/94-P-15 1140.98m	Saddle dolomite	Isolated	6	5	-	-	-7.8		108	-	11.5
		Isolated	5	10	-62	-	-14.5		127	-	18.2
		Isolated	6	10	-	-	-12.6		127	-	16.5
		Isolated	22	5	-63	-26.8	-16.0		90	0.5	18.9
		Isolated	8	5	-51	-	-8.4		115	-	12.2
		Isolated	10	10	-51	-23.9	-8.5		137	0.7	12.4
		Isolated	14	5	-51	-	-10.4		81	-	14.4
		Isolated	11	10	-52	-	-10.5		113	-	14.5
		Isolated	10	10	-51	-	-12.5		122	-	16.4
		Isolated	6	10	-50	-	-10.1		85	-	14.0
		Isolated	6	5	-	-	-9.8		90	-	13.7
		Isolated	12	5	-54	-	-11.3		101	-	15.3
		Isolated	20	5	-62	-22.4	-11.0		104	0.9	15.0
		Isolated	10	5	-63	-27.6	-15.4		100	0.5	18.4
		Isolated	8	5	-56	-	-11.5		115	-	15.5
		Isolated	5	10	-67	-	-23.4		105	≤ 0.8	24.9
		Isolated	5	5	-58	-	-23.5		102	≤ 0.7	23.9
		Isolated	6	10	-47	-	-11.5		106	-	15.5
		Isolated	7	5	-55	-	-9.3		103	-	13.2
		Isolated	17	5	-64	-31.7	-24.6		99	0.3	23.4
c-34-A/94-P-15 1138.08m	Saddle dolomite	Isolated	14	10	-55	-	-7.1		153	-	10.6
		Isolated	8	5	-	-	-		111	-	-
		Isolated	10	5	-	-	-		106	-	-
		Isolated	12	5	-53	-	-6.9		105	-	10.4
		Isolated	11	5	-49	-	-6.4		126	-	9.7
		Isolated	5	10	-58	-	-8.9		127	-	12.7
		Isolated	12	10	-58	-	-9.5		122	-	13.4
		Isolated	8	10	-57	-	-8.9		140	-	12.7
		Isolated	28	5	-60	-29.7	-10.2		136	0.4	14.2
		Isolated	12	10	-58	-	-9.9		131	-	13.8
		Isolated	7	10	-57	-	-9.8		122	-	13.7
		Isolated	8	10	-	-	-10.1		117	-	14.0
		Isolated	9	5	-56	-	-6.9		139	-	10.4
		Cluster	4 - 6	10	-51	-	-11.2 (2)	127 - 142 (2)	135 (2)	-	15.2 (2)
		Isolated	5	5	-	-	-10.4		95	-	14.4
	Fe calcite	Cluster	50	0	-57	-	-6.5		all-liquid	-	9.9
			10	2	-	-	-		61	-	-
		Isolated	68	2	-53	-23.9	-7.4		74	0.7	11.2
		Healed frac.	7 - 13	100	-	-	-	-88.1 to -83.1 (5)	-86.0 V	methane	-
		Healed frac.	12 - 14	100	-	-	-	-87.8 to -85.9 (3)	-86.9 V	methane	-
		Healed frac.	8 - 12	8	-55	-23.8	-6.4 (2)	112 - 125 (3)	118	0.7	9.8 (2)
		Healed frac.	5 - 16	5	-54	-23.3	-6.4 (3)	102 - 110 (6)	105	0.8	9.8 (3)
		Healed frac.	5 - 12	10	-54	-23.2	-6.7 (2)	105 - 119 (5)	110	0.8	10.2 (2)

b-68-D/94-P-16 1140.78m	Sphalerite	Isolated	19	5	-54	-24.5	-11.9		97	0.7	15.8
		Saddle	12	10	-54	-	-13.7		142	-	17.5
		dolomite	Isolated	7	5	-59	-	-14.0	103	-	17.8
			Isolated	8	5	-61	-	-15.3	107	-	18.9
			Isolated	6	5	-	-	-21.0	101	-	23.1
			Isolated	8	5	-54	-	-7.5	140	-	11.1
			Isolated	5	10	-	-	-7.8	143	-	11.5
			Isolated	20	5	-54	-	-14.5	109	-	18.2
			Isolated	10	10	-53	-	-11.5	127	-	15.5
			Isolated	12	10	-51	-	-11.7	113	-	15.7
	Fe calcite	Cloudy core	12	5	-54	-23.3	-12.5		97	0.8	16.3
		Cloudy core	3 - 8	5 - 10	-58 (2)	-22.6	-14.5 (3)	100 - 112 (3)	105	0.8	17.8 (3)
		Cloudy core	5	10	-	-	-9.2		118	-	13.1
		Cloudy core	5-7	5	-57	-	-19.6 (2)	102 - 106 (2)	104	-	22.1 (2)
		Cloudy core	6	5	-	-	-16.5		109	-	19.8
		Cloudy core	4	5	-	-	-19.5		98	-	22.0
		Cloudy core	6 - 9	5	-54 (2)	-	-8.1 (3)	109 - 124 (3)	115 (3)	-	11.8 (3)
		Isolated	20	5	-49	-	-7.5		96	-	11.1
		Isolated	11	10	-52	-	-10.1		103	-	14.0
		Cloudy core	3 - 6	10	-	-	-20.8 (3)	104 - 117 (4)	109	-	22.9 (3)
		Cloudy core	6	10	-56	-	-9.5		116	-	13.4
c-32-E/94-P-16 1148.32m	Saddle dolomite	Isolated	5	30	-	-	-		132	Oil	-
		Isolated	6	15	-	-	-		90	Oil	-
		Isolated	8	15	-	-	-		93	Oil	-
		Isolated	14	10	-	-	-		82	Oil	-
		Isolated	7	15	-	-	-		80	Oil	-
		Isolated	14	10	-	-	-		103	Oil	-
		Isolated	5	15	-	-	-		85	Oil	-
		Isolated	5	20	-	-	-		112	Oil	-
		Isolated	5	15	-	-	-		105	Oil	-
		Isolated	6	15	-	-	-		101	Oil	-
		Isolated	4	15	-	-	-		106	Oil	-
		Isolated	11	10	-	-	-		93	Oil	-
		Isolated	6	15	-	-	-		95	Oil	-
		Isolated	8	10	-	-	-		98	Oil	-
		Isolated	7	10	-	-	-		112	-	-
		Isolated	11	5	-54	-26.8	-8.5		121	0.5	12.5
		Isolated	20	10	-58	-28.3	-8.3		110	0.4	12.4
		Isolated	12	5	-	-	-		118	-	-
		Isolated	18	10	-51	-25.1	-10.9		122	0.6	14.9
		Isolated	12	5	-	-	-		117	-	-
		Isolated	13	5	-59	-26.0	-11.6		119	0.5	15.5
	Non-Fe calcite	Isolated	7	5	-	-	-		127	-	-
		Isolated	15	5	-57	-	-11.7		141	-	15.7
		Isolated	14	5	-49	-	-11.1		114	-	15.1
		Healed frac.	4 - 8	10	-	-	-	64 - 72 (8)	67	Oil	-
			5	100	-	-	-		-110 V	Methane	-
		Healed frac.	15 - 32	100	-	-	-	-105 to -103 (2)	-104 V	Methane	-
		Healed frac.	8 - 18	100	-	-	-	-105 to -104 (2)	-105 V	Methane	-
		Cloudy core	5 - 8	5	-59 (2)	-	-11.3 (6)	99 - 107 (6)	103	-	15.3 (6)
		Cloudy core	4 - 26	5	-56 (3)	-	-10.2 (5)	103 - 117 (5)	111	-	14.2 (5)
		Isolated	8	5	-52	-	-10.1		99	-	14.0
c-32-E/94-P-16 1146.68m	Sphalerite	Isolated	6	5	-	-	-		78	-	-
		Isolated	8	5	-	-	-		65	-	-
		Isolated	13	5	-	-	-8.5		79	-	12.3
		Isolated	9	5	-56	-	-21.3		67	-	23.2
		Isolated	10	2	-63	-28.8	-19.9		62	0.4	21.2
		Isolated	12	5	-	-	-21.3		71	-	23.2
		Isolated	5	5	-	-	-		91	-	-
		Isolated	9	5	-61	-	-8.3		85	-	12.1
		Isolated	10	5	-58	-26.3	-8.2		78	0.5	12.2
		Isolated	12	5	-	-	-8.5		86	-	12.3
		Isolated	10	5	-	-	-8.5		85	-	12.3
		Isolated	8	5	-53	-	-8.2		85	-	11.9
		Isolated	7	5	-	-	-8.5		97	-	12.3
		Isolated	4	5	-	-	-		87	-	-
		Isolated	5	5	-	-	-		92	-	-
		Isolated	8	5	-53	-	-8.2		91	-	11.9

	Saddle dolomite	Isolated	3	20	-	-	-		83	Oil	-
		Isolated	5	15	-	-	-		85	Oil	-
		Isolated	4	15	-	-	-		83	Oil	-
		Isolated	7	15	-	-	-		88	Oil	-
		Isolated	14	5	-51	-	-10.5		119	-	14.5
		Isolated	10	5	-	-	-10.3		117	-	14.3
		Isolated	13	5	-	-	-		95	-	-
		Isolated	10	5	-	-	-		97	-	-
		Isolated	4	5	-	-	-		100	-	-
		Isolated	4	5	-	-	-		96	-	-
		Isolated	10	5	-53	-24.2	-12.1		98	0.7	16.0
		Isolated	20	5	-53	-29.4	-7.7		141	0.4	11.7
		Isolated	14	5	-	-	-10.6		108	-	14.6
		Isolated	17	10	-55	-25.5	-8.4		151	0.6	12.4
		Isolated	6	10	-	-	-		128	-	-
		Isolated	8	10	-	-	-22.2		102	≤ 0.9	23.5
		Isolated	6	10	-	-	-9.7		106	-	13.6
		Isolated	5	5	-58	-	-24.5		122	≤ 0.7	24.2
		Isolated	7	5	-60	-	-10.7		100	-	14.7
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c-32-E/94-P-16	Saddle dolomite	Healed frac.	10 - 12	10	-	-	-	72 - 75 (2)	74	Oil	-
1145.35m		Healed frac.	4 - 15	15	-	-	-	82 - 94 (10)	88	Oil	-
		Isolated	6	10	-52	-26.8	-9.7		109	0.5	13.7
		Isolated	6	5	-55	-	-17.6		107	-	20.7
		Cluster	8	5	-56	-	-17.7		99	-	20.8
		Cluster	8	5	-59	-	-23.8		90	≤ 0.7	24.0
		Isolated	7	5	-	-	-14.9		105	-	18.6
		Isolated	7	10	-	-	-8.4		105	-	12.2
		Isolated	5	5	-	-	-8.6		105	-	12.4
		Isolated	10	10	-52	-25.9	-6.1		124	0.6	9.7
		Isolated	12	10	-51	-	-		105	-	-
		Cluster	3 - 7	5	-	-	-11.8	104 - 109 (2)	107	-	15.8
		Isolated	4	10	-	-	-		92	-	-
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d-37-I/94-P-10	Fe calcite	Cluster	3 - 10	5	-52	-26.0	-7.8 (2)	130 - 143 (4)	136	-	11.4 (2)
1137.17m		Isolated	13	5	-58	-27.0	-8.5		132	-	12.3
		Cluster	12 - 13	5	-	-	-8.6	113 - 117 (2)	115	-	12.4
		Cluster	7 - 8	5	-	-	-8.6 (2)	108 - 111 (2)	110	-	12.4 (2)
		Isolated	7	5	-55	-	-8.7		119	-	12.5
		Isolated	12	5	-	-	-8.6		130	-	12.4
		Isolated	8	5	-57	-	-8.6		129	-	12.4
		Cluster	4 - 15	5	-53	-	-8.3	102 - 104 (2)	102	-	12.1
		Isolated	8	5	-54	-	-8.2		126	-	11.9
		Isolated	4	5	-	-	-8.5		128	-	12.3
		Isolated	12	5	-	-	-8.7		119	-	12.5
		Isolated	9	10	-64	-	-29.5		125	≤ 0.4	25.7
		Isolated	4	10	-	-	-30.0		123	≤ 0.3	25.8
		Isolated	5	5	-	-	-		118	-	-
		Isolated	6	10	-53	-26.0	-11.0		119	-	15.0
		Isolated	12	5	-	-	-8.0		107	-	11.7
	Saddle dolomite	Isolated	6	8	-	-	-		147	-	-
		Isolated	6	10	-	-	-13.4		138	-	17.3
		Isolated	6	15	-52	-	-10.2		145	-	14.2
		Isolated	9	15	-55	-	-9.8		138	-	13.7
		Isolated	6	15	-	-	-10.1		140	-	14.0
		Isolated	9	10	-53	-	-10.6		137	-	14.6
		Isolated	6	10	-	-	-9.9		115	-	13.8
		Isolated	7	10	-59	-	-10.5		135	-	14.5
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a-41-A/94-P-10	Saddle dolomite	Isolated	7	5	-56	-30.5	-23.5		120	0.3	22.9
1141.86m		Isolated	6	5	-65	-28.0	-26.0		132	0.4	24.4
		Isolated	5	5	-	-	-8.3		107	-	12.1
		Isolated	5	10	-	-	-		115	-	-
		Isolated	4	10	-	-	-18.5		129	-	21.3
		Isolated	5	10	-66	-	-19.0		143	-	21.7
		Isolated	6	5	-	-	-25.5		95	≤ 0.6	24.5
		Isolated	8	5	-	-	-24.8		107	≤ 0.6	24.3
		Isolated	14	5	-57	-	-12.5		109	-	16.4
		Isolated	5	5	-	-	-		110	-	-
		Isolated	6	5	-	-	-17.0		108	-	20.2

		Isolated	9	10	-61	-	-6.8		131	-	10.2
		Isolated	8	10	-60	-	-6.9		135	-	10.4
		Isolated	4	10	-	-	-8.8		105	-	12.6
		Isolated	6	10	-52	-	-8.8		107	-	12.6
		Isolated	6	10	-59	-	-8.9		110	-	12.7
		Isolated	8	10	-52	-28.0	-9.1		131	0.4	13.2
		Isolated	6	5	-60	-	-22.5		122	≤ 0.8	23.6
		Isolated	4	5	-	-	-23.0		115	≤ 0.8	23.7
		Isolated	5	5	-63	-	-16.0		124	-	19.5
		Isolated	5	10	-	-	-15.6		137	-	19.1
		Isolated	6	5	-65	-	-25.6		118	≤ 0.6	24.5
		Isolated	13	10	-56	-	-15.3		115	-	18.9
		Isolated	12	10	-61	-24.5	-15.7		134	0.7	18.8
a-25-E/94-P-16 1154.77m	Sphalerite	Isolated	8	5	-57	-	-6.4		118	-	9.7
		Cluster	3 - 8	5	-55	-	-12.4 (2)	113 - 117 (3)	115	-	16.3 (2)
		Isolated	12	3	-67	-	-19.8		77	-	22.2
		Isolated	10	3	-63	-	-19.6		85	-	22.1
		Isolated	13	3	-53	-30.7	-11.5		80	0.3	15.4
	Barite	Cluster	6 - 26	3	-52 (3)	-27.2 (3)	-6.5 (5)	94 - 102 (5)	98 (5)	0.5 (3)	10.2 (5)
		Cluster	13 - 20	5	-57 (2)	-27.3 (2)	-7.0 (2)	123 - 124 (2)	124	0.5 (2)	10.9 (2)
		Isolated	7	5	-	-	-8.1		103	-	11.8
		Cluster	5 - 12	5	-53 (2)	-	-8.8 (2)	87 - 98 (3)	92 (3)	-	12.7 (2)
		Isolated	11	5	-53	-24.0	-9.1		126	0.7	13.1
		Cluster	5 - 9	0	-61	-	-16.7 (2)		all-liquid	-	20.0 (2)
		Isolated	4	0	-	-	-21.3		all-liquid	-	23.2
		Isolated	4	0	-	-	-19.5		all-liquid	-	22.0
		Isolated	12	0	-55	-22.9	-8.7		all-liquid	0.8	12.6
a-25-E/94-P-16 1146.16m	Saddle dolomite	Isolated	7	10	-	-	-		115	-	-
		Isolated	16	5	-	-	-		110	-	-
		Isolated	3	5	-60	-	-29.2		110	≤ 0.4	25.6
		Isolated	9	10	-	-	-9.0		138	-	12.9
		Isolated	11	5	-54	-	-12.6		117	-	16.5
		Isolated	10	10	-	-	-8.5		137	-	12.3
		Isolated	20	5	-55	-25.6	-8.3		95	0.6	12.3
		Isolated	9	10	54	-	-11.7		127	-	15.7
		Isolated	9	3	-	-	-7.8		131	-	11.5
		Isolated	6	10	-56	-	-8.1		113	-	11.8
		Isolated	5	10	-	-	-24.3		127	≤ 0.7	24.1
		Isolated	6	10	-57	-	-23.8		136	≤ 0.7	24.0
		Isolated	5	10	-62	-	-25.2		127	≤ 0.6	24.4
		Isolated	10	10	-54	-	-8.9		109	-	12.7
		Isolated	12	5	-56	-	-6.7		114	-	10.1
		Isolated	9	5	-60	-	-12.3		138	-	16.2
		Isolated	15	10	-50	-	-6.0		124	-	9.2
		Isolated	12	5	-52	-	-7.7		105	-	11.3
		Isolated	13	5	-55	-	-7.8		107	-	11.5
		Cluster	3 - 6	10	-55	-	-15.8 (2)	95 - 104 (2)	100	-	19.3 (2)
		Isolated	5	5	-57	-	-18.4		108	-	21.3
		Isolated	4	5	-54	-	-21.6		97	-	23.3
b-86-E/94-P-16 1162.05m	Saddle dolomite	Cluster	3 - 7	20	-	-	-	114 - 116 (3)	115	oil	-
		Isolated	5	20	-	-	-		95	oil	-
		Cluster	6 - 12	20	-	-	-	90 - 102 (3)	96	oil	-
		Isolated	4	20	-	-	-		105	oil	-
		Isolated	13	20	-	-	-		127	oil	-
		Isolated	6	10	-	-	-		97	oil	-
		Isolated	7	10	-	-	-		95	oil	-
		Cluster	4 - 9	15	-	-	-	93 - 99 (4)	96	oil	-
		Isolated	3	15	-	-	-		92	oil	-
		Isolated	10	15	-	-	-		98	oil	-
		Isolated	8	15	-	-	-		116	oil	-
		Cluster	5 - 6	20	-	-	-	103 - 105 (2)	104	oil	-
		Isolated	5	20	-	-	-		102	oil	-
		Isolated	7	20	-	-	-		98	oil	-
		Isolated	4	10	-	-	-11.1		123	-	15.1
		Isolated	10	10	-55	-	-7.8		127	-	11.5
		Isolated	6	10	-53	-	-10.4		144	-	14.4
		Isolated	10	10	-55	-24.0	-6.4		100	0.7	10.0

	Barite	Isolated	16	10	-	-	-		75	oil	-
		Isolated	11	5	-55	-25.0	-7.8		85	0.6	11.7
		Cluster	10 - 12	5	-52 (2)	-25.0	-7.6 (2)	107 - 109 (2)	108	0.6	11.4 (2)
		Isolated	32	5	-52	-23.1	-7.6		119	0.8	11.4
		Isolated	13	5	-55	-24.2	-7.4		107	0.7	11.2
		Isolated	11	5	-59	-22.8	-7.9		110	0.8	11.7
		Cluster	13	5	-	-	-7.3		98	-	10.9
			10	10	-	-	-		89	oil	-
		Cluster	15	10	-56	-23.5	-7.8		114	0.7	11.6
			8-14	10	-	-	-	65 - 71 (3)	69	oil	-
		Healed frac.	4 - 11	10	-	-	-	76 - 85 (10)	79	oil	-
		Healed frac.	5 - 13	10	-	-	-	67 - 72 (6)	70	oil	-
		Healed frac.	7 - 14	5	-54 (2)	-24.0 (2)	-8.4 (7)	106 - 121 (7)	113	0.7 (2)	12.2 (7)
d-37-I/94-P-10 1135.08m	Saddle dolomite	Isolated	13	5	-51	-	-10.6		112	-	14.6
		Isolated	5	5	-	-	-16.5		115	-	19.8
		Isolated	10	5	-	-	-		125	-	-
		Isolated	3	10	-	-	-7.4		103	-	11.0
		Isolated	15	5	-54	-26.0	-7.2		109	0.5	11.1
		Isolated	9	10	-53	-	-7.8		126	-	11.5
		Isolated	13	5	-55	-27.0	-8.8		116	0.5	12.8
		Isolated	6	5	-52	-	-8.9		88	-	12.7
		Cluster	5 - 8	10	-54 (2)	-	-9.8 (5)	99 - 123 (6)	113	-	13.7 (5)
		Isolated	7	10	-	-	-8.9		105	-	12.7
		Isolated	8	5	-	-	-8.7		125	-	12.5
		Isolated	7	5	-	-	-10.4		139	-	14.4
		Isolated	10	5	-55	-	-8.4		115	-	12.2
		Isolated	12	5	-56	-27.0	-8.2		124	0.5	12.2
		Cluster	5 - 9	5	-	-	-5.7	101 - 103 (2)	102	-	8.8
		Isolated	5	5	-	-	-9.1		107	-	13.0
		Isolated	11	5	-53	-24.2	-9.3		113	0.7	13.3
		Isolated	7	10	-56	-	-9.8		126	-	13.7
c-74-A/94-P-15 1171.54m	Non-Fe calcite	Isolated	7	5	-53	-	-7.9		109	-	11.6
		Cluster	6 - 8	5	-54	-	-3.9 (2)	105 - 113 (3)	106	-	6.3 (2)
		Isolated	7	5	-52	-	-4.4		118	-	7.0
		Isolated	8	5	-	-	-4.3		106	-	6.9
		Isolated	6	5	-	-	-		115	-	-
		Cluster	8 - 11	3	-53	-	-6.7 (2)	101 - 104 (2)	103	-	10.1 (2)
		Cluster	7 - 8	5	-	-	-7.8 (2)	108 - 121 (2)	115	-	11.5 (2)
		Cluster	4 - 6	5	-	-	-2.9 (2)	98 - 101 (2)	100	-	4.8 (2)
		Isolated	13	5	-53	-	-8.7		97	-	12.5
		Isolated	5	10	-	-	-9.4		99	-	13.3
		Isolated	7	5	-52	-	-11.7		82	-	15.7
		Cluster	10 - 11	5	-52	-	-5.8 (2)	80 - 81 (2)	81	-	9.0 (2)
		Isolated	7	5	-	-	-3.1		116	-	5.1
		Cluster	15 - 17	3	-54	-	-7.8 (2)	90 - 96 (2)	93	-	11.5 (2)
		Cluster	3 - 4	5	-	-	-	88 - 90 (2)	89	-	-
		Isolated	15	5	-60	-23.5	-7.2		108	0.7	10.9
	Saddle dolomite	Isolated	6	10	-	-	-8.2		98	-	11.9
		Isolated	9	5	-58	-	-		85	-	-
		Isolated	7	5	-53	-	-9.8		83	-	13.7
		Isolated	12	5	-53	-	-		87	-	-
		Isolated	3	10	-	-	-11.2		122	-	15.2
		Isolated	6	5	-54	-	-22.3		99	≤ 0.9	23.5
		Isolated	14	5	-55	-25.2	-22.5		102	0.6	23.0
		Isolated	7	10	-	-	-19.8		141	-	22.2
		Isolated	6	5	-	-	-25.4		122	≤ 0.6	24.4
		Isolated	11	5	-61	-	-20.7		90	-	22.9
		Isolated	4	10	-	-	-20.6		127	-	22.8
		Isolated	8	10	-56	-27.6	-20.4		110	0.5	21.2
		Isolated	8	10	-55	-28.0	-19.5		124	0.4	21.0
		Isolated	9	10	-60	-26.2	-11.8		163	0.5	15.7
		Isolated	6	5	-60	-	-24.4		121	≤ 0.7	24.1
		Isolated	6	10	-54	-	-15.7		117	-	19.2

a-89-I/94-P-10 1150.90m	Fe calcite	Isolated	4	10	-	-	-7.8		103	-	11.5
		Isolated	4	10	-	-	-		101	-	-
		Isolated	5	10	-	-	-7.9		104	-	11.6
		Isolated	6	5	-53	-	-7.2		96	-	10.7
		Isolated	40	5	-52	-22.7	-6.6		131	0.8	10.1
		Isolated	5	5	-	-	-6.7		103	-	10.1
		Isolated	8	5	-	-	-6.8		110	-	10.2
		Isolated	9	5	-51	-	-6.7		96	-	10.1
		Isolated	6	5	-	-	-6.7		89	-	10.1
		Isolated	3	5	-	-	-6.6		85	-	10.0
		Cluster	5 - 16	3	-58	-26.0	-7.4 (4)	102 - 114 (4)	107	0.5	11.1 (4)
		Cluster	5 - 18	3	-57 (3)	-30.0 (2)	-7.3 (4)	95 - 113 (4)	101	0.3 (2)	11.1 (4)
	Saddle dolomite	Cluster	4 - 17	3	-56 (2)	-	-7.1 (4)	104 - 109 (4)	106	-	10.6 (4)
		Isolated	7	5	-	-	-18.6		121	-	21.4
		Isolated	8	5	-59	-	-18.9		117	-	21.6
		Isolated	4	5	-	-	-		107	-	-
		Isolated	10	5	-62	-	-21.8		110	≤ 0.9	23.4
		Isolated	4	10	-62	-	-25.6		93	≤ 0.6	24.5
		Isolated	5	10	-57	-	-15.8		128	-	19.3
		Isolated	6	10	-55	-	-20.3		115	-	22.6
		Isolated	4	10	-	-	-28.1		113	≤ 0.4	25.2
		Isolated	10	5	-	-	-		119	-	-
		Isolated	6	5	-54	-	-8.6		106	-	12.4
		Isolated	7	5	-56	-	-11.3		108	-	15.3
		Isolated	5	5	-	-	-33.0		124	≤ 0.3	26.7
		Isolated	4	5	-	-	-21.4		120	-	23.3
		Isolated	8	5	-58	-	-23.6		110	≤ 0.7	23.9
		Isolated	6	10	-	-	-23.5		108	≤ 0.7	23.9
		Isolated	5	10	-55	-	-21.8		111	≤ 0.9	23.4
		Isolated	6	5	-	-	-21.5		105	-	23.3
		Isolated	8	10	-62	-	-15.8		121	-	19.3
		Isolated	8	10	-58	-	-23.2		143	≤ 0.8	23.8
		Isolated	10	5	-58	-	-23.8		127	≤ 0.7	24.0
b-50-I/94-P-10 1149.97m	Sphalerite	Isolated	6	5	-	-	-		85	-	-
		Isolated	4	5	-	-	-		92	-	-
		Isolated	10	5	-	-	-6.6		96	-	10.0
	Saddle dolomite	Isolated	6	10	-63	-	-10.4		117	-	14.4
		Isolated	5	10	-	-	-28.7		125	≤ 0.4	25.4
		Isolated	7	10	-	-	-21.5		121	-	23.3
	Barite	Isolated	12	5	-57	-	-10.9		80	-	14.9
		Isolated	11	5	-56	-25.0	-10.6		89	0.6	14.6
		Isolated	12	0	-	-	-9.4		all-liquid	-	13.3
		Cluster	6 - 12	0	-	-	-9.4 (3)		all-liquid	-	13.3 (3)
		Isolated	13	0	-58	-25.2	-11.5		all-liquid	0.6	15.4
		Isolated	8	0	-60	-23.5	-11.3		all-liquid	0.7	15.3
		Isolated	6	0	-61	-27.0	-10.9		all-liquid	0.5	14.9
		Isolated	12	0	-61	-24.1	-11.5		all-liquid	0.7	15.4
		Isolated	13	2	-	-	-9.2		67	-	13.1
		Isolated	7	5	-	-	-9.6		67	-	13.5
		Cluster	7 - 23	0	-50	-25.8	-12.4 (3)		all-liquid	0.6	16.2 (3)
		Isolated	10	3	-	-	-8.1		77	-	11.8
		Isolated	7	3	-	-	-7.5		75	-	11.1
		Isolated	19	5	-61	-	-8.1		106	-	11.8
		Cluster	6	3	-	-	-8.2		86	-	11.9
		Cluster	8 - 10	5	-54	-	-7.5 (2)	109 - 116 (2)	113	-	11.6 (2)
b-50-I/94-P-10 1149.43m	Barite	Healed frac.	3 - 14	15	-	-	-	103 - 108 (11)	105	oil	-
		Healed frac.	7 - 16	10	-	-	-	64 - 71 (6)	66	oil	-
		Healed frac.	4 - 10	10	-	-	-	72 - 82 (5)	76	oil	-
		Healed frac.	3 - 13	10	-	-	-	67 - 75 (8)	71	oil	-
		Healed frac.	3 - 10	10	-	-	-	70 - 75 (8)	72	oil	-
			9 - 45	100	-	-	-	-90.1 to -88.0 (3)	-89.1 V	gas	-
		Isolated	5	5	-	-	-10.2		72	-	14.2
		Isolated	18	5	-55	-23.0	-8.2		74	0.8	12.1
		Isolated	17	5	-55	-24.5	-8.3		83	0.7	12.2
		Isolated	12	5	-54	-	-7.9		71	-	11.6
		Isolated	24	5	-54	-23.4	-7.8		73	0.8	11.6
		Isolated	23	2	-	-	-16.2		73	-	19.6
		Isolated	17	0	-	-	-14.2		all-liquid	-	18.0

		Isolated	22	2	-54	-25.4	-10.7	70	0.6	14.7
		Isolated	11	0	-	-	-9.9	all-liquid	-	13.8
		Isolated	7	0	-61	-28.0	-9.2	all-liquid	0.4	13.3
		Isolated	26	0	-62	-26.8	-10.5	all-liquid	0.5	14.5
		Isolated	14	2	-52	-24.1	-8.4	61	0.7	12.3
		Isolated	7	3	-	-	-8.6	62	-	12.4
		Isolated	20	3	-	-	-8.9	59	-	12.7
		Isolated	8	3	-	-	-9.3	63	-	13.2
		Isolated	12	3	-	-	-9.7	60	-	13.6
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b-50-I/94-P-10 1149.06m	Saddle dolomite	Isolated	7	5	-52	-	-11.3	99	-	15.3
		Isolated	5	5	-	-	-7.8	119	-	11.5
		Isolated	7	5	-53	-	-7.7	114	-	11.3
		Isolated	18	5	-55	-	-7.2	123	-	10.7
		Isolated	3	10	-	-	-	101	-	-
		Isolated	9	5	-55	-	-11.5	127	-	15.5
		Isolated	11	10	-53	-	-7.4	153	-	11.0
		Isolated	5	10	-56	-	-11.8	153	-	15.8
		Isolated	4	10	-	-	-10.7	149	-	14.7
		Isolated	8	5	-59	-	-10.6	143	-	14.6
		Isolated	6	15	-	-	-9.4	127	-	13.3
	Non-Fe calcite	Isolated	5	5	-	-	-3.3	113	-	5.4
		Isolated	6	5	-	-	-4.3	116	-	6.9
		Isolated	6	10	-	-	-4.5	119	-	7.2
		Isolated	5	5	-	-	-5.2	109	-	8.1
		Isolated	7	5	-	-	-4.6	105	-	7.3
		Isolated	8	5	-	-	-4.6	117	-	7.3
		Isolated	10	5	-	-	-4.6	111	-	7.3
		Isolated	7	5	-	-	-4.7	100	-	7.5
		Isolated	12	5	-	-	-	113	-	-
		Isolated	20	5	-	-	-	115	-	-
		Isolated	4	5	-	-	-7.4	105	-	11.0
		Isolated	8	5	-50	-	-7.1	109	-	10.6