

APPENDIX 4.2 : BGS Fluid inclusion data from Los Ratones fracture mineralization

Borehole and Top Depth (m ??unknown depth reference)	Original Sample Number	Sample, Subsample, Region of Interest.	Inclusion ID.	Inclusion Type.	Size (microns)	Inclusion Generation	Host Mineral	Degree of Fill (%)	Th	Th (error)	Tfm	Tfm (error)	Thyd	Thyd (error)	Tice	Tice (error)	COMMENT	NaCl	CaCl2	NaCl / (NaCl + CaCl2) (weight ratio)	Total salinity
SR-5 463.00	(RT-01)	MPLK601_W01_R01	01_01	aq L+V	10	P	Ankerite	95	115	+/- 5	-65.0	+/- 5.0	-16.0	+/- 1.0	-23.5	+/- 0.5		18.9	6.3	0.75	25.2
SR-5 463.00	(RT-01)	MPLK601_W01_R01	02_01	aq L+V	10	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-9.5	+/- 0.5	-24.4	+/- 0.2		18.2	8.4	0.68	26.6
SR-5 463.00	(RT-01)	MPLK601_W01_R01	02_02	aq L+V	10	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-9.5	+/- 0.5	-24.5	+/- 0.5		18.0	8.6	0.68	26.6
SR-5 463.00	(RT-01)	MPLK601_W01_R01	03_01	aq L+V	12	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-13.0	+/- 1.0	-24.5	+/- 0.5		17.5	8.7	0.67	26.2
SR-5 463.00	(RT-01)	MPLK601_W01_R01	03_02	aq L+V	12	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-15.0	+/- 1.0	-23.0	+/- 1.0	metastable Tice L+ice+hyd -> L+V+hyd	19.9	5.0	0.80	24.9
SR-5 463.00	(RT-01)	MPLK601_W01_R01	03_03	aq L+V	12	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-	-	-23.0	+/- 1.0	metastable Tice L+ice+hyd -> L+V+hyd	19.1			19.1
SR-5 463.00	(RT-01)	MPLK601_W01_R01	04_01	aq L+V	15	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-8.5	+/- 0.5	-24.5	+/- 0.5		18.1	8.6	0.68	26.7
SR-5 463.00	(RT-01)	MPLK601_W01_R01	05_01	aq L+V	20	P	Ankerite	90	125	+/- 5	-55.0	+/- 5.0	-6.0	+/- 1.0	-23.8	+/- 0.2		19.6	6.9	0.74	26.5
SR-5 463.00	(RT-01)	MPLK601_W01_R01	06_01	aq L+V	10	P	Ankerite	95	115	+/- 5	-55.0	+/- 5.0	-10.0	+/- 1.0	-24.5	+/- 0.5		18.0	8.6	0.68	26.6
SR-5 463.00	(RT-01)	MPLK601_W01_R01	07_01	aq L+V	30	P	Ankerite	90	115	+/- 5	-55.0	+/- 5.0	-8.5	+/- 0.5	-24.5	+/- 0.5		18.1	8.6	0.68	26.7
SR-5 463.00	(RT-01)	MPLK601_W01_R01	07_02	aq L+V	30	P	Ankerite	90	115	+/- 5	-55.0	+/- 5.0	-8.5	+/- 0.5	-24.5	+/- 0.5		18.1	8.6	0.68	26.7
SR-5 463.00	(RT-01)	MPLK601_W02_R01	01_01	aq L-only	10	P	Vein-Quartz	100	-	-	-30.0	+/- 5.0	-	-	-14.5	+/- 0.5		18.0			18.0
SR-5 463.00	(RT-01)	MPLK601_W02_R01	01_02	aq L-only	10	P	Vein-Quartz	100	-	-	-30.0	+/- 2.0	-	-	-18.5	+/- 0.5		21.2			21.2
SR-5 463.00	(RT-01)	MPLK601_W02_R01	01_03	aq L-only	10	P	Vein-Quartz	100	-	-	-	-	-	-	-12.5	+/- 0.5		16.3			16.3
SR-5 419.15	(RT-03)	MPLK603_W01_R01	02_01	aq L+V	25	P	Ankerite	95	95	+/- 5	-55.0	+/- 5.0	-17.0	+/- 1.0	-22.5	+/- 0.5		20.5	3.7	0.85	24.2
SR-5 419.15	(RT-03)	MPLK603_W01_R01	03_01	aq L+V	10	P	Ankerite	95	105	+/- 5	-55.0	+/- 5.0	-9.0	+/- 1.0	-24.5	+/- 0.5		18.1	8.6	0.68	26.7
SR-5 419.15	(RT-03)	MPLK603_W01_R01	04_01	aq L+V	10	P	Ankerite	80	145	+/- 5	-	-	-	-	-0.5	+/- 0.1		0.5			0.5
SR-5 419.15	(RT-03)	MPLK603_W01_R01	05_01	aq L+V	10	P	Ankerite	95	75	+/- 5	-	-	-	-	-24.5	+/- 0.5	some leaking after Th	16.5			16.5
SR-3 140.50	(RT-08)	MPLK608_W01_R01	01_01	aq L+V	25	P	Ankerite	95	105	+/- 5	-50.0	+/- 3.0	-	-	-24.5	+/- 0.5		16.5			16.5
SR-3 140.50	(RT-08)	MPLK608_W01_R01	03_01	aq L+V	20	P	Ankerite	95	<100	-	-55.0	+/- 5.0	-13.0	+/- 1.0	-24.5	+/- 0.5		17.5	8.7	0.67	26.2
SR-3 140.50	(RT-08)	MPLK608_W01_R01	03_02	aq L+V	20	P	Ankerite	95	105	+/- 5	-	-	-	-	-	-	leaked after Th				0.0
SR-3 140.50	(RT-08)	MPLK608_W01_R01	04_01	aq L+V	7	P	Ankerite	95	95	+/- 5	-50.0	+/- 3.0	-12.0	+/- 1.0	-21.5	+/- 0.5	metastable Tice L+ice+hyd -> L+V+hyd	23.6	0.9	0.96	24.5
SR-3 140.50	(RT-08)	MPLK608_W01_R01	05_01	aq L+V	20	P	Ankerite	95	85	+/- 5	-50.0	+/- 3.0	-11.0	+/- 1.0	-21.5	+/- 0.5	metastable Tice L+ice+hyd -> L+V+hyd	23.7	0.9	0.96	24.6
SR-3 140.50	(RT-08)	MPLK608_W01_R01	05_02	aq L+V	10	P	Ankerite	95	85	+/- 5	-50.0	+/- 3.0	-13.0	+/- 1.0	-19.0	+/- 1.0	metastable Tice L+ice+hyd -> L+V+hyd				
SR-3 140.50	(RT-08)	MPLK608_W01_R01	06_02	aq L+V	10	P	Ankerite	95	-	-	-50.0	+/- 3.0	-15.0	+/- 1.0	-24.5	+/- 0.5		17.4	8.8	0.67	26.1
SR-3 140.50	(RT-08)	MPLK608_W01_R01	06_03	aq L+V	10	P	Ankerite	95	105	+/- 5	-50.0	+/- 3.0	-9.0	+/- 1.0	-24.5	+/- 0.5	metastable Tice L+ice+hyd -> L+V+hyd	18.1	8.6	0.68	26.7
SR-3 140.50	(RT-08)	MPLK608_W01_R01	06_04	aq L+V	20	P	Ankerite	95	-	-	-50.0	+/- 3.0	-9.0	+/- 1.0	-24.5	+/- 0.5		18.1	8.6	0.68	26.7
SR-3 54.52	(RT-09)	MPLK609_W01_R01	01_01	aq L+V	25	S	Quartz in wallrock	95	95	+/- 5	-	-	-	-	-3.5	+/- 0.5		5.7			5.7
SR-3 54.52	(RT-09)	MPLK609_W01_R01	02_01	aq L+V	15	S	Quartz in wallrock	-	145	+/- 5	-	-	-	-	-1.9	+/- 0.1		3.1			3.1
SR-3 54.52	(RT-09)	MPLK609_W01_R01	02_02	aq L+V	15	S	Quartz in wallrock	-	145	+/- 5	-	-	-	-	-	-					
SR-3 54.52	(RT-09)	MPLK609_W01_R01	02_03	aq L+V	10	S	Quartz in wallrock	-	>220	-	-	-	-	-	-2.5	+/- 0.1		4.1			4.1
SR-3 54.52	(RT-09)	MPLK609_W01_R01	02_04	aq L+V	10	S	Quartz in wallrock	-	-	-	-	-	-	-	-1.9	+/- 0.1		3.1			3.1
SR-3 54.52	(RT-09)	MPLK609_W01_R01	03_01	aq L+V	15	S	Quartz in wallrock	90	110	+/- 10	-	-	-	-	-3.5	+/- 0.5		5.7			5.7
SR-3 54.52	(RT-09)	MPLK609_W01_R01	04_01	aq L+V	10	S	Quartz in wallrock	-	210	+/- 10	-	-	-	-	-2.6	+/- 0.2		4.3			4.3
SR-3 54.52	(RT-09)	MPLK609_W01_R01	05_01	aq L+V	15	S	Quartz in wallrock	-	230	+/- 10	-	-	-	-	-3.6	+/- 0.4		5.9			5.9
SR-3 54.52	(RT-09)	MPLK609_W01_R01	05_02	aq L+V	10	S	Quartz in wallrock	-	190	+/- 10	-	-	-	-	-2.9	+/- 0.1		4.8			4.8
SR-3 54.52	(RT-09)	MPLK609_W01_R01	06_01	aq L+V	10	S	Quartz in wallrock	80	>240	-	-	-	-	-	-4.1	+/- 0.1		6.7			6.7
SR-3 54.52	(RT-09)	MPLK609_W01_R01	07_01	aq L+V	10	S	Quartz in wallrock	80	215	+/- 5	-	-	-	-	-2.3	+/- 0.1		3.8			3.8