

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	Al27	Si28	Si29	Si30	Ti47	V51	Mn55	Fe56	Zn66	Ga69	Zr90	Nb93	Sn118	Sb121	Hf178	Ta181	W182
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G7_2	CASS1	1a	1M	295-63	31.31	79.27	34.26	4368.94	292.04	0.11	185.19	0.66	208.67	17.24	79390.69	0.30	13.80	0.77	19.76			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G7_3	CASS1	1M	1M	295-63	32.69	81.80	12.75	3314.73	188.02	0.38	328.45	0.28	171.45	7.49	79390.69	0.30	13.80	0.77	19.76			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G7_4	CASS1	1a	1M	295-63	11.27	81.13	8.79	3018.55	91.72	0.07	88.20	0.09	165.31	10.48	79390.69	0.27	13.93	2.54	9.78			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G8_1	CASS1	2	2H	295-63	26.47	86.08	11.87	4074.44	82.02	0.61	275.43	0.43	222.27	117.04	781148.56	0.65	11.25	6.09	35.60			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G8_2	CASS1	2	2H	295-63	41.41	94.27	13.87	5074.74	88.06	0.53	300.76	0.94	231.48	80.36	781148.56	0.47	10.47	0.52	38.62			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G9_1	CASS1	3	3H	295-63	17.71	83.69	13.39	4321.81	109.13	0.34	177.74	0.34	151.9	197874.00	0.38	6.83	1.91	17.23				
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G9_2	CASS1	3	3H	295-63	22.22	78.43	15.47	3406.02	98.16	0.26	108.35	0.55	179.93	10.42	787571.00	0.36	14.60	1.38	17.36			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G10_1	CASS1	3	3H	295-63	29.42	74.54	28.00	1742.75	91.89	-0.033	331.75	-0.070	6.02	0.73	781191.00	0.30	0.12	0.01	10.41			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G10_2	CASS1	3	3H	295-63	23.28	71.99	20.13	1330.86	52.19	0.07	265.41	0.12	4.98	0.58	780088.31	0.36	0.11	0.01	11.70			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G10_3	CASS1	3	3H	295-63	23.68	71.99	20.13	1330.86	52.19	0.07	265.41	0.12	4.98	0.58	780088.31	0.36	0.11	0.01	11.70			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G11_1	CASS1	3	3H	295-63	0.80	69.03	2.66	1065.75	23.02	-0.030	27.45	0.06	31.96	0.67	781506.13	0.23	4.92	2.00	0.07			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G11_2	CASS1	3	3H	295-63	20.17	71.52	14.82	4239.18	219.68	0.09	156.97	0.11	207.42	9.45	781506.13	0.27	16.05	1.29	12.23			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G11_3	CASS1	3	3H	295-63	44.61	88.13	12.45	4428.14	94.53	1.19	154.10	0.09	296.96	288.73	781506.13	0.39	19.97	11.50	60.15			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G12_1	CASS1	3	3H	295-63	0.91	20.9	2.14	1219.70	18.84	-0.031	23.99	0.10	41.52	0.71	781506.13	0.26	6.83	2.71	0.23			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G12_2	CASS1	5	5H	295-63	26.10	63.26	7.84	5499.02	86.83	0.66	694.10	3.78	425.54	2365.25	786153.25	0.32	28.18	438.30	476.36			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G12_3	CASS1	5	5H	295-63	23.10	69.48	7.74	5499.02	76.76	0.48	748.84	2.20	461.28	2630.63	786153.25	0.26	28.99	243.30	476.36			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C1_F3_G12_4	CASS1	5	5H	295-63	15.84	82.39	9.28	4888.49	82.87	1.17	498.30	0.45	412.28	1585.33	786153.25	0.31	31.89	350.49	167.98			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G1_1	CASS2	2	2H	295-68	148.7	225.27	15.49	5317.58	232.55	0.55	235.22	0.33	340.48	7.32	789009.69	1.25	6.82	1.91	21.71			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G1_2	CASS2	2	2H	295-68	23.84	148.38	71.68	11301.74	683.00	0.90	931.99	3.30	412.23	34.58	780797.25	1.04	16.10	1.50	122.06			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G1_3	CASS2	2	2H	295-68	29.67	120.78	12.36	5685.23	499.50	0.30	223.65	0.42	295.20	2.96	765910.63	0.84	19.47	0.31	25.57			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G1_4	CASS2	2	2H	295-68	10.25	216.53	35.04	10789.58	282.95	19.09	765.52	0.84	533.57	303.52	765910.63	0.58	23.62	7.90	4423.03			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G2_1	CASS2	2	2H	295-68	148.7	225.27	15.49	5317.58	232.55	0.55	235.22	0.33	340.48	7.32	789009.69	1.25	6.82	1.91	21.71			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G2_2	CASS2	2	2H	295-68	74.09	224.08	0.14	4686.37	186.17	1.74	178.42	1.45	236.31	1.54	767800.10	0.98	16.38	0.51	21.69			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G2_3	CASS2	2	2H	295-68	64.57	280.09	6.74	5126.78	59.36	5.00	271.09	0.52	286.51	210.13	767800.10	1.12	20.20	20.60	1573.85			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G2_4	CASS2	2	2H	295-68	62.08	175.83	19.46	6406.16	408.27	0.24	373.38	1.26	218.77	16.06	761016.00	0.78	17.86	8.00	43.41			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G4_1	CASS2	2	2H	295-68	29.00	154.17	11.99	5611.06	420.18	0.45	205.46	0.41	212.43	11.23	705726.00	0.74	20.37	1.83	19.56			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G4_2	CASS2	2	2H	295-68	12.97	324.15	20.06	6314.98	343.47	5.88	336.89	0.94	228.11	32.40	761016.00	0.86	21.07	3.16	43.70			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G5_1	CASS2	2	2H	295-68	26.21	408.18	18.26	5332.12	72.12	16.25	408.18	0.42	311.10	55.89	761016.00	1.24	25.81	30.93	2468.91			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G5_2	CASS2	2	2H	295-68	27.72	205.43	20.45	3586.59	25.20	7.58	183.19	1.79	230.74	26.29	760033.25	1.68	24.40	26.66	523.47			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G6_1	CASS2	2	2H	295-68	15.35	220.25	6.43	3305.17	126.78	0.84	100.00	1.48	165.98	10.82	797737.31	0.94	14.03	1.29	25.63			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G7_1	CASS2	2	2HM	295-68	6.59	214.79	4.23	1945.28	14.44	13.50	1075.45	0.71	81.83	695.77	771030.38	1.11	17.55	5479.08	4.16			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G10_1	CASS2	3	3HM	295-68	66.26	173.83	2.82	2636.47	0.68	137.95	558.11	2.84	55.15	2771.89	71896.81	0.67	79.89	1684.36	83.57			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G10_2	CASS2	3	3HM	295-68	119.40	327.01	1.90	1473.01	2.03	87.82	1037.24	1.01	253.23	497.76	771030.38	0.70	50.00	7007.83	1.94			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G11_1	CASS2	3	3H	295-68	24.22	157.38	16.88	4014.13	224.46	0.56	152.81	0.59	191.71	24.99	775835.00	0.98	16.10	1.02	32.68			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G11_2	CASS2	3	3H	295-68	8.21	182.04	8.12	3921.49	201.25	0.12	187.02	0.12	187.02	0.12	775835.00	0.98	16.10	1.02	32.68			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G11_3	CASS2	3	3H	295-68	19.40	204.18	7.47	3745.39	202.75	0.59	128.05	0.31	167.22	17.21	775835.00	0.75	17.79	1.29	21.66			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G12_1	CASS2	1	1H	295-68	28.75	182.08	17.12	5228.38	308.08	1.87	240.57	0.36	218.48	0.51	770400.25	0.90	20.37	1.53	18.42			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G12_2	CASS2	1	1H	295-68	37.67	182.20	40.66	6087.29	555.62	0.48	276.51	0.38	317.96	45.95	770400.25	0.77	25.50	3.53	45.46			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G13_1	CASS2	1	1H	295-68	458.80	270.18	9.82	3354.28	10.10	14.89	44.89	0.10	188.46	370.29	770400.25	0.64	23.81	21.82	27.43			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G13_2	CASS2	1	1H	295-68	558.59	840.86	9.89	3857.85	37.09	10.31	218.5	9.32	320.02	453.18	770400.25	0.60	28.97	32.26	316.43			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G14_1	CASS2	5	5H	295-68	16.43	147.28	6.86	3315.91	157.35	0.63	129.96	0.70	124.54	4.86	775913.81	2.41	14.30	8.99	10.73			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G14_2	CASS2	5	5H	295-68	18.57	133.08	10.78	4369.21	409.70	0.13	155.13	-0.079	181.18	5.20	775047.38	0.73	18.34	0.77	10.94			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G14_3	CASS2	5	5H	295-68	26.20	149.23	11.99	5021.22	241.61	0.52	129.17	0.54	244.22	24.63	775047.38	0.73	18.34	0.77	10.94			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F2_G15_1	CASS2	5	5H	295-68	20.55	126.00	22.09	5518.09	389.65	0.46	216.38	0.34	245.44	20.47	779773.31	0						

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	Al77	Si28	Si65	Ti47	V51	Mn55	Fe56	Zn66	Ga69	Zr90	Nb93	Sn118	Sb121	Hf113	Ta181	W182	
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_1	CASS4	2	2M	295-110	97.29	97.29	12.21	1376.24	0.79	386.44	571.91	31.31	1930.54	12082.57	78751.25	0.73	436.34	6367.20	8188.17			
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_2	CASS4	2	2M	295-110	1880.57	16.16	1190.38	7.23	14.26	283.33	20.43	1685.19	4781.85	78759.19	0.56	338.02	3251.14	1555.15				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_3	CASS4	2	2M	295-110	290.78	14.48	138.28	0.16	101.62	3374.18	17.50	1453.57	5449.28	78758.19	0.48	265.67	2056.44	1194.22				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_4	CASS4	2	2M	295-110	275.92	15.56	95.87	0.13	68.40	3209.13	9.95	1389.24	4283.19	78757.19	0.43	239.51	1725.67	978.75				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_5	CASS4	2	2M	295-110	256.33	13.21	80.02	0.12	73.41	2897.23	13.46	1299.38	4529.19	78757.25	0.41	233.55	1461.81	1106.06				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_6	CASS4	2	2M	295-110	330.60	13.21	80.02	0.12	73.41	2897.23	13.46	1299.38	4529.19	78757.25	0.41	233.55	1461.81	1106.06				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F562_7	CASS4	2	2M	295-110	<-6.4	4.91	175.39	-0.054	207.01	3037.88	19.39	1322.11	7562.27	78751.25	0.31	223.26	1739.57	1740.46				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F563_1	CASS4	2	2M	295-110	291.48	4.12	175.39	0.32	14.03	2678.28	6.74	1198.78	3776.91	78751.19	0.69	268.48	2682.01	817.94				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F563_2	CASS4	2	2M	295-110	238.76	3.94	185.49	0.33	9.84	2367.87	2.38	1164.63	3248.32	78751.19	0.49	240.64	2275.68	903.75				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F563_3	CASS4	2	2M	295-110	24.14	92.42	13.67	497.97	155.89	0.18	15.29	1.46	316.03	4039.780056	0.57	35.17	46.16	302.84				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F563_4	CASS4	2	2M	295-110	261.22	4.62	233.68	0.51	30.28	4165.44	5.74	1578.17	6737.17	78751.25	0.49	435.62	6267.09	783.23				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F563_5	CASS4	2	2M	295-110	296.84	1.64	177.36	0.09	24.66	2111.17	2.30	860.46	5747.00	78751.19	0.43	217.54	2972.22	1957.22				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F563_6	CASS4	2	2M	295-110	277.23	3.64	170.81	0.49	12.11	2398.19	8.38	1222.42	3565.10	78751.25	0.41	283.20	2468.29	771.71				
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_1	CASS4	2	2M	295-115	151.82	29.27	3.38	2016.78	0.77	1534.92	5820.30	39.55	7.80	1532.89	12732.60	78604.38	0.73	28.64	1856.62	108.48		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_2	CASS4	2	2M	295-115	229.65	61.80	3.76	2977.55	1.35	724.96	6900.39	21.15	10.72	1780.77	13056.78	734295.94	0.16	310.51	20996.53	140.76		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_3	CASS4	2	2M	295-115	244.60	187.36	3.99	2984.55	2.41	1115.84	7439.42	24.67	8.92	1962.32	12973.19	74769.44	0.20	323.57	23176.14	93.19		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_4	CASS4	2	2M	295-115	62.29	121.06	13.28	1445.87	2.75	0.69	419.43	0.15	0.85	284.48	7808.119	0.14	24.94	24.97	181.19			
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_5	CASS4	2	2M	295-115	21.63	231.42	14.77	1555.66	1.89	12.38	561.59	0.12	0.36	240.54	1959.50	78939.56	0.24	22.85	255.8	466.86		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_6	CASS4	2	2M	295-115	13.95	269.88	2.13	1844.33	0.54	5.40	278.30	0.34	0.25	253.88	773.43	78538.81	0.14	15.22	19.21	383.17		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_7	CASS4	2	2M	295-115	38.58	128.83	8.99	4931.91	8.44	2.69	417.98	0.44	1.89	253.93	568.78	761015.69	0.21	15.41	60.70	156.30		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_8	CASS4	2	2M	295-115	30.23	130.67	11.05	4408.89	137.24	1.26	250.47	0.32	1.68	255.46	228.32	760945.56	0.26	17.71	143.26	37.59		
LACPM-Hercules	Batch3	Segura	Alluvial	C4F460_9	CASS4	2	2M	295-115	25.01	192.86	12.92	5205.84	80.88	3.44	567.89	0.17	278.64	1292.99	76584.41	0.35	16.64	280.20	242.14			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G2_1	CASS2	1b	1bM	295-414	315.34	203.06	0.70	1208.17	0.08	917.14	1448.67	12.67	1098.99	5430.97	775200.00	0.67	205.68	8391.95	122.50			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G3_1	CASS2	1b	1bM	295-414	265.44	122.94	0.48	536.20	0.07	345.70	2644.79	13.16	502.33	3741.47	786704.63	0.69	156.15	13517.13	11.19			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G4_1	CASS2	1b	1bM	295-414	97.99	72.38	3.29	2356.44	5.30	262.33	1466.35	14.48	51.71	5615.33	78939.56	0.73	111.43	4703.69	781.69			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G5_2	CASS2	3	3H	295-414	50.48	85.45	2.82	2716.36	9.30	91.10	844.39	6.91	400.83	1781.90	78293.75	0.51	110.28	4159.54	72.51			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G5_3	CASS2	3	3H	295-414	204.81	176.56	5.55	8161.85	120.24	22.22	775.83	0.62	160.93	1434.54	77933.31	2.39	6.57	187	1392.23			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G5_4	CASS2	3	3H	295-414	186.91	101.19	25.88	4294.42	266.80	3.32	952.55	3.39	140.68	1796	77973.31	1.04	5.41	0.15	43.58			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G6_2	CASS2	3	3H	295-414	24.14	92.42	13.67	497.97	155.89	0.18	15.29	1.46	316.03	4039.780056	0.57	35.17	46.16	302.84				
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G6_3	CASS2	3	3H	295-414	30.78	90.03	14.33	4970.05	203.91	0.23	195.12	0.38	324.12	21.32	780009.56	0.51	27.68	3.16	22.25			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G6_4	CASS2	3	3H	295-414	31.5	92.45	15.85	5154.59	193.25	0.19	210.96	0.30	306.65	25.88	780009.56	0.51	25.00	2.12	21.82			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G6_5	CASS2	1b	1bM	295-414	64.50	145.00	0.88	4936.19	87.76	0.89	379.14	5.90	392.89	1367.57	775678.88	0.59	25.85	3379.29	21.39			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G7_1	CASS2	2	2H	295-414	216.30	377.18	3.09	1167.60	15.00	0.36	140.26	0.26	1190.38	415.07	78939.56	0.46	25.85	45.47	46.16			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G8_1	CASS2	2	2H	295-414	9.84	105.70	7.07	4100.35	24.78	1.38	164.50	3.07	285.35	460.30	776622.69	0.72	14.24	12.06	468.46			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G8_2	CASS2	2	2H	295-414	6.06	100.14	7.15	3930.63	35.34	0.53	112.00	3.05	301.49	451.74	788352.38	0.55	19.02	15.27	188.29			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G8_3	CASS2	2	2H	295-414	6.81	99.83	3.41	1648.57	56.85	1.65	171.60	3.09	112.14	359.95	776622.69	0.53	11.84	8.56	67.65			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G9_1	CASS2	2	2H	295-414	3.57	127.69	12.97	1167.60	14.24	0.36	140.26	0.26	1190.38	415.07	78939.56	0.46	25.85	45.47	46.16			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G10_1	CASS2	2	2H	295-414	12.00	177.29	11.78	7378.01	454.75	0.32	297.22	0.61	246.34	320	783322.63	0.67	17.61	2.60	230.26			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G10_2	CASS2	2	2H	295-414	6.80	121.88	11.97	8536.33	440.57	0.22	406.69	0.80	282.84	153.79	764256.56	1.34	20.85	9.54	1519.16			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G10_3	CASS2	2	2H	295-414	25.30	103.79	2.13	2814.96	13.45	0.68	52.72	0.93	164.39	160.65	783322.63	0.53	16.57	70.00	338.39			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G11_1	CASS2	2	2H	295-414	29.10	121.88	3.29	2356.44	5.30	262.33	1466.35	14.48	51.71	5615.33	78939.56	0.73	111.43	4703.69	781.69			
LACPM-Hercules	Batch3	Segura	Alluvial	C2_F7_G11_2	CASS2	2	2H	295-414	46.80	108.99	11.7	4664.37	100.37	0.61	317.37	0.26	351.62	137.95	77973.25	0.59	37.77	92.08	22.48			
LACPM-Hercules	Batch3	Segura	Alluvial	C1_F1_G1_1	CASS1	1a	1aH	295-423	73.33	147.76	9.51	4072.87	121.91	0.89	204.52	0.32	214.06	6.83	780245.88	0.44	17.04	0.70	13.73			
LACPM-Hercules	Batch3	Segura	Alluvial	C1_F1_G1_2	CASS1	1a	1aH	295-423	21.11	100.73	9.34	4042.30	106.23	1.17	1											

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	Al2O3	SiO2	CaO	FeO	V51	Mn55	Fe56	Zn66	Ga69	Zr90	Nb93	Sn118	Sb121	Hf178	Ta181	W182	
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F4_G16_1	CASS2	3	3H	295-445	149.63	115.69	34.20	9306.94	230.58	0.44	1174.41	0.44	326.96	88.60	78198.00	0.80	15.54	2.54	95.78			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F4_G16_2	CASS2	3	3H	295-445	36.75	48.67	18.95	4918.39	65.86	0.55	245.15	0.49	133.62	19.74	77502.94	0.88	1.98	11.84	9.88	11.84	23.00	
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F4_G16_3	CASS2	3	3H	295-445	40.65	55.24	22.42	6378.20	200.22	0.90	322.21	0.14	297.00	35.50	71502.94	0.48	14.29	0.35	41.91			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F4_G16_4	CASS2	3	3H	295-445	37.52	134.15	21.28	4954.76	178.75	0.50	233.81	<0.071	225.58	23.20	771502.94	0.37	11.61	0.21	26.60			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C2_F4_G16_5	CASS2	3	3H	295-445	36.88	113.78	17.35	5329.74	167.21	0.05	259.82	0.19	238.10	16.99	771502.94	0.41	12.47	0.20	23.03			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_1	CASS3	1	1H	295-448	17.64	39.92	4.24	5505.76	41.08	0.43	193.76	11.26	156.59	415.43	7800.19	0.18	23.2	24.2	790.91			
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_2	CASS3	1	1H	295-448	9.28	118.79	8.52	4700.44	43.11	1.48	182.33	<0.067	0.32	289.65	210.76	781500.06	0.30	17.43	4.43	1135.34		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_3	CASS3	1	1H	295-448	10.56	144.09	6.32	4109.04	44.90	0.77	139.51	0.25	0.33	246.88	244.89	779100.88	0.40	19.96	10.15	847.12		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_4	CASS3	1	1H	295-448	43.69	222.11	2.10	1759.81	27.78	0.58	51.45	0.35	0.11	88.57	5.80	783738.50	0.32	12.54	0.83	14.23		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_5	CASS3	1	1H	295-448	94.56	479.96	18.48	211.17	18.51	0.48	118.84	0.24	24.39	7979.94	118.84	24.39	7979.94	0.38	11.84	76.71		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_6	CASS3	1	1H	295-448	18.55	278.11	8.48	3262.70	160.70	0.65	148.88	0.41	0.72	156.71	16.51	776938.94	0.30	11.62	0.39	54.24		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_7	CASS3	1a	1aH	295-448	26.87	159.36	15.22	4488.45	200.15	0.45	184.19	0.17	1.06	260.10	46.44	765737.50	0.20	19.46	3.27	18.19		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_8	CASS3	1a	1aH	295-448	13.38	284.69	6.00	2626.39	94.25	0.42	81.51	0.44	0.37	203.85	48.44	765737.50	0.43	18.67	3.34	42.73		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_9	CASS3	1a	1aH	295-448	174.63	892.42	1.96	1822.47	45.19	0.29	159.81	0.29	0.29	159.81	58.10	7952.32	0.19	23.2	24.2	248.89		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_10	CASS3	1a	1aH	295-448	6.36	227.14	3.56	2150.15	51.18	0.30	65.80	0.11	0.67	241.62	105.22	766641.88	0.37	13.54	1.86	20.69		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F66_11	CASS3	1a	1aH	295-448	23.22	259.09	9.24	3564.95	138.90	0.56	160.04	0.34	0.74	223.66	53.41	790842.94	0.54	19.10	4.56	47.15		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_1	CASS3	2	2H	295-448	22.92	183.54	16.46	3995.24	94.44	1.32	157.13	0.62	0.78	333.49	386.81	790552.32	0.23	28.39	1579.07	141.51		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_2	CASS3	2	2H	295-448	15.02	137.66	15.00	4316.74	65.86	0.97	1326.45	0.61	0.61	189.71	3297.42	775448.98	0.19	21.63	1275.43	114.29		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_3	CASS3	2	2H	295-448	32.39	448.98	16.59	4073.06	99.52	4.94	1509.79	0.79	0.93	299.99	3360.25	776132.31	0.25	31.12	2538.03	142.67		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_1	CASS3	2	2H	295-448	13.87	140.23	5.38	3882.60	17.36	0.75	62.86	0.40	0.74	191.83	1918.33	779714.56	0.16	8.72	40.36	57.34		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_2	CASS3	2	2H	295-448	18.16	85.31	5.34	4277.18	23.23	0.52	464.84	0.19	0.80	206.04	1475.32	76858.94	0.14	11.60	64.13	527.09		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_3	CASS3	2	2H	295-448	20.32	107.97	7.78	3612.94	10.72	0.43	193.77	0.32	0.43	178.96	2321.63	76550.00	0.32	9.19	31.69	832.79		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_4	CASS3	2	2H	295-448	21.93	420.89	11.06	4375.02	58.73	2.36	574.36	0.42	0.65	287.17	1559.05	772220.94	0.24	18.03	104.45	475.99		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_5	CASS3	2	2H	295-448	14.74	329.94	4.50	3488.99	16.54	0.69	447.02	0.33	0.63	156.05	1461.96	764131.31	0.22	7.38	30.47	576.78		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_6	CASS3	2	2H	295-448	40.72	242.50	20.11	3701.19	107.16	1.55	224.28	0.23	1.17	145.36	33.79	791010.88	0.80	7.04	3.80	23.70		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_7	CASS3	2	2H	295-448	93.92	414.88	31.15	2787.32	74.15	0.64	156.05	0.87	0.66	181.14	12.72	786693.94	0.59	12.31	12.59	19.30		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G3_1	CASS3	2	2H	295-448	15.25	378.83	17.24	4317.14	34.42	2.00	312.54	0.21	0.38	211.23	748.49	497312.44	1.02	8.96	2.94	987.71		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G3_2	CASS3	2	2H	295-448	155.12	346.77	21.08	7732.32	51.19	65.69	4850.75	2.24	10.66	393.65	7047.39	780902.13	0.55	68.02	528.8	2241.59		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G3_3	CASS3	2	2H	295-448	157.23	159.27	25.31	10232.83	66.61	5.74	144.95	0.08	0.54	143.79	187.5	77502.94	0.28	16.67	16.25	114.84		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G3_4	CASS3	2	2H	295-448	158.54	285.95	15.77	7356.07	51.99	4.77	312.24	1.94	4.50	396.65	10671.46	780890.94	0.64	34.86	302.38	1178.78		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G6_1	CASS3	2	2H	295-448	67.24	96.04	3.5	3267.85	124.39	5.59	370.29	1.85	1.72	88.85	5.61	789190.38	0.16	3.68	3.86	20.97		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G6_2	CASS3	2	2H	295-448	65.88	78.66	1.79	2902.23	118.33	3.44	579.58	2.47	1.65	44.22	54.23	773838.13	0.13	1.42	1.74	16.25		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G6_3	CASS3	2	2H	295-448	15.42	182.63	15.00	4316.74	65.86	0.97	1326.45	0.61	0.61	189.71	3297.42	775448.98	0.19	21.63	1275.43	114.29		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G7_1	CASS3	2	2H	295-448	12.84	144.69	6.71	3366.20	37.95	1.49	403.36	0.28	0.56	190.72	1024.61	773569.44	0.21	8.76	49.99	331.48		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G7_2	CASS3	2	2H	295-448	17.31	90.70	9.60	4190.65	42.01	2.06	680.25	0.15	0.79	203.03	1841.15	781119.19	0.25	8.54	82.85	530.08		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G7_3	CASS3	2	2H	295-448	17.70	628.98	10.20	4606.31	46.21	3.28	670.15	1.46	0.72	258.83	1681.80	786826.75	0.20	10.37	45.60	567.72		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G7_4	CASS3	2	2H	295-448	40.25	130.45	9.76	6390.54	171.37	1.74	744.55	1.74	0.60	189.71	105.57	77502.94	0.27	11.32	14.42	44.54		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_1	CASS4	4	4H	295-449	15.74	69.86	91.53	3963.08	46.25	0.03	129.08	0.04	0.54	180.36	5.24	765526.31	0.15	18.25	2.30	4.86		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_2	CASS4	4	4H	295-449	37.73	938.36	50.21	4589.70	128.11	3.87	128.24	0.53	0.41	262.21	120.37	760552.13	0.53	27.70	25.51	705.83		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_3	CASS4	4	4H	295-449	81.41	174.68	64.03	4685.96	161.42	0.89	89.74	0.24	0.15	341.22	293.34	741448.94	0.24	27.66	23.96	644.20		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G1_4	CASS4	4	4H	295-449	21.82	349.64	62.12	3701.19	107.16	1.32	167.89	0.28	0.28	307.62	13.83	791010.88	0.17	11.72	12.42	1037.68		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_1	CASS4	2	2H	295-449	10.88	76.87	45.09	5644.11	143.61	0.54	125.09	0.33	0.30	322.26	180.96	758281.00	0.17	23.39	3.23	1378.23		
LACP-MS-Hercules	Batch3	Segura	Alluvial	C3F7G2_2	CASS4	2	2H	295-449	7.87	46.55	41.41	5130.56	121.26	0.46	103.05	0.44	0.24	287.70	183.38	755347.44	0.17	19.91				

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	A127	S128	S165	T147	V51	Mn55	Fe56	Zn66	Ga69	Zr90	Nb93	Sn118	Sb121	Hf178	Ta181	W182	
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G2_2	CASS1	5	SH	295-468	9.89	85.46	8.40	4230.08	58.35	1.33	98.28	0.75	256.92	58.81	786625.88	0.53	19.57	12.42	68.65			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G2_3	CASS1	5	SH	295-468	13.07	119.13	12.55	7997.70	1.70	245.17	1.87	140.29	0.89	107.12	56.71	785711.00	0.53	16.51	8.91	255.32		
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G3_1	CASS1	5	SH	295-468	12.29	75.75	20.52	5996.00	6.07	6.81	189.21	1.27	444.58	50.22	785916.24	0.39	27.06	18.29	67.07			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G3_2	CASS1	5	SH	295-468	13.79	82.94	21.41	5179.36	4.83	1.11	238.11	1.19	467.27	45.80	785916.24	0.57	28.81	18.11	50.74			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G5_1	CASS1	3	SH	295-468	24.88	74.83	18.72	3885.19	137.69	0.03	165.82	0.36	244.83	12.02	779221.94	0.26	13.93	0.54	13.54			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G5_2	CASS1	3	SH	295-468	32.79	58.68	21.19	3830.01	94.75	0.18	139.58	0.29	181.74	10.39	782136.25	0.27	13.82	0.29	38.93			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G5_3	CASS1	3	SH	295-468	188.71	276.59	10.31	3294.08	64.31	0.28	108.75	0.16	236.57	28.97	779221.94	0.29	16.81	2.62	14.16			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G1_1	CASS1	1a	1aM	295-468	67.57	61.39	0.68	997.48	-0.0195	91.26	243.14	2.98	1019.53	6623.54	784893.06	0.23	112.08	2881.59	104.61			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G1_2	CASS1	1a	1aM	295-468	88.66	66.00	1.03	1292.50	0.02	204.10	4447.56	5.50	1408.61	10387.00	783889.00	0.20	173.77	8798.07	109.92			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G1_3	CASS1	1a	1aM	295-468	78.38	68.38	0.48	1079.38	0.10	148.76	118.07	0.44	147.19	8202.38	784893.06	0.53	16.51	8.91	255.32			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G2_1	CASS1	3	SH	295-468	52.66	51.04	2.06	2275.65	21.45	-0.038	38.55	-0.02	142.09	13.23	784656.09	0.17	13.75	2.50	2.82			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G2_2	CASS1	3	SH	295-468	23.87	49.10	9.13	3480.49	82.75	0.07	143.41	-0.104	198.21	15.71	784656.09	0.19	16.57	0.60	14.31			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G2_3	CASS1	3	SH	295-468	26.71	54.60	13.45	4518.66	206.66	0.17	187.13	-0.093	250.32	15.41	784656.09	0.19	16.57	0.73	17.40			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G2_4	CASS1	3	SH	295-468	172.71	109.82	2.48	1503.58	0.04	254.81	192.56	9.29	91.41	4328.00	787571.00	0.27	13.82	121.29	5055.77			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G3_2	CASS1	5	SM	295-468	97.15	156.77	3.37	188.69	0.02	413.26	153.36	13.65	116.76	5651.84	787571.00	0.23	204.23	1426.06	6022.28			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G3_3	CASS1	5	SM	295-468	1183.95	112.91	4.96	272.44	0.03	1079.59	391.42	29.20	1525.80	9892.64	787571.00	0.25	295.91	2507.32	6112.87			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G4_1	CASS1	3	SH	295-468	365.06	451.69	9.01	3823.40	36.37	0.92	315.60	0.58	304.13	982.84	787571.00	0.42	22.14	537.13	120.77			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G4_2	CASS1	3	SH	295-468	8.88	9.46	0.09	2630.04	29.83	0.07	251.21	0.83	106.04	25.09	787571.00	0.54	17.08	19.81	11.91			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G4_3	CASS1	3	SH	295-468	13.02	48.68	10.06	4836.26	52.70	2.52	402.03	2.77	320.57	1046.31	787571.00	0.66	25.53	681.55	525.67			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G4_4	CASS1	3	SH	295-468	46.22	54.79	9.88	5800.04	114.72	1.87	351.39	3.21	235.59	19.59	787571.00	0.68	17.08	40.90	40.35			
LACP-MS-Hercules	Batch3	Segura	Alluvial	Cl_F3_G4_5	CASS1	3	SH	295-468	21.27	47.35	7.12	5805.36	25.69	2.73	641.29	1.66	276.13	1690.11	787571.00	0.64	21.54	122.32	1350.41			
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G1_2	CASS3	1b	1bH	295-477	13.59	200.84	3.99	2609.24	29.83	0.27	134.07	0.17	134.07	0.27	748270.12	0.57	13.81	1.49	261.3			
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G1_2	CASS3	1b	1bH	295-477	40.98	669.04	17.50	7559.99	311.89	8.36	255.78	0.51	0.85	282.87	47.06	753188.38	0.83	22.05	7.71	88.54		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G1_3	CASS3	1b	1bH	295-477	22.18	465.92	4.57	2836.08	68.78	1.58	108.53	0.23	0.35	155.30	4.83	770073.31	0.64	14.87	2.11	11.14		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G1_3	CASS3	1b	1bH	295-477	49.09	216.68	2.72	2567.87	67.57	0.62	36.12	-0.071	14.07	16.47	787571.00	0.58	14.15	3.77	18.94			
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G2_2	CASS3	2	2H	295-477	14.34	390.14	14.84	6058.45	71.01	1.93	146.25	0.14	0.22	235.88	26.03	757312.04	0.75	8.40	3.89	1820.19		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G2_2	CASS3	2	2H	295-477	29.67	239.11	24.72	6590.21	193.63	1.93	216.47	0.24	0.26	237.56	26.02	757312.04	0.79	7.09	1.84	1588.07		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G2_3	CASS3	2	2H	295-477	140.51	546.73	24.59	6169.39	259.17	1.73	168.16	0.56	0.67	221.76	124.39	766925.94	0.85	7.84	2.35	512.25		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G2_3	CASS3	2	2H	295-477	406.29	237.59	203.33	5195.86	49.29	2.90	529.79	0.54	0.47	304.13	107.15	757312.04	0.91	2.31	15.91	28.23		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G1_1	CASS3	2	2H	295-477	2416.18	2042.47	1.01	171.49	0.40	3122.10	2413.39	59.62	1198.90	767.62	11283.98	738170.12	0.72	343.06	15692.89	1573.26		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G4_2	CASS3	2	2H	295-477	944.64	261.25	10.7	85.16	-0.0120	392.54	36.07	2.56	80.24	813.99	751895.69	0.49	301.37	1639.55	604.03			
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G5_2	CASS3	2	2H	295-477	125.47	841.86	126.15	12186.43	958.53	18.53	1029.20	1.25	1.86	334.03	11.54	768585.88	0.65	13.18	7.11	106.11		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G5_2	CASS3	2	2H	295-477	45.22	257.24	24.24	5356.36	0.95	287.35	3145.14	16.04	0.42	905.26	945.68	757312.04	0.91	24.61	437.00	228.88		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G5_3	CASS3	2	2H	295-477	74.47	199.85	127.25	8110.41	1047.15	0.57	439.92	0.43	1.51	297.73	95.03	759034.06	0.47	11.14	1.99	90.08		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G5_4	CASS3	2	2H	295-477	58.88	529.11	103.84	6965.33	876.59	0.73	360.80	0.16	1.26	334.03	173.77	757312.04	0.51	15.46	12.98	63.78		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G5_5	CASS3	2	2H	295-477	61.12	517.88	77.73	6971.69	644.72	1.28	424.22	0.19	1.12	241.64	399.23	763661.69	0.90	10.97	20.57	51.82		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G6_1	CASS3	2	2H	295-477	32.69	257.24	24.24	5356.36	0.95	287.35	3145.14	16.04	0.42	905.26	945.68	757312.04	0.91	24.61	437.00	228.88		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF1G6_2	CASS3	2	2H	295-477	34.69	251.33	19.99	4934.61	0.10	237.35	2882.73	16.26	26.87	182.84	768494.44	0.41	21.69	33.27	463.03			
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF2G1_1	CASS3	1	1H	295-477	93.43	1147.87	3.69	5873.71	34.67	1.80	163.70	1.21	0.93	361.47	3387.34	756429.19	0.64	33.60	1751.38	55.99		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF2G1_2	CASS3	1	1H	295-477	27.23	841.86	3.29	4124.29	43.74	9.97	1584.93	1.55	0.94	500.67	3500.95	757058.71	0.73	43.42	1939.32	157.90		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF2G1_2	CASS3	1	1H	295-477	47.09	216.68	2.72	2567.87	67.57	0.62	36.12	-0.071	14.07	16.47	787571.00	0.58	14.15	3.77	18.94			
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF2G1_2	CASS3	1a	1aH	295-477	43.98	274.38	6.90	5990.26	99.25	0.44	373.02	0.16	1.34	369.68	64.72	73763.19	0.38	23.21	10.93	350.62		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF2G2_2	CASS3	1a	1aH	295-477	39.92	219.01	10.65	4654.32	186.05	-0.029	227.21	0.08	1.19	267.35	38.05	785498.88	0.31	13.97	0.33	18.57		
LACP-MS-Hercules	Batch3	Segura	Alluvial	CF2G2_3	CASS3	1a	1aH	295-477	46.48																	

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	Al2O3	SiO2	CaO	TiO2	V51	MnS5	Fe56	Zn66	Ga69	Zr90	Nb93	Sn118	Sb121	Hf178	Ta181	W182	
LACPM-Hercules	Batch3	Segura	Alluvial	M3F5G12_7	CASS3	2	2H	295-501	578.46	6.29	338.50	0.02	292.18	1169.39	17.32	1064.86	7390.31	87571.25	0.43	194.48	1789.35	3451.40				
LACPM-Hercules	Batch3	Segura	Alluvial	M3F5G12_8	CASS3	2	2M	295-501	26.61	295.02	2.68	199.34	0.05	122.83	10.22	1000.56	4859.91	87571.19	0.48	170.00	997.52	3261.63				
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_1	CASS3	1	2H	295-501	37.07	153.42	17.31	335.50	98.83	0.14	134.33	0.07	0.54	178.88	36.78	1794.65	0.33	14.94	7.35	15.16		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_2	CASS3	1	2H	295-501	17.50	141.16	32.74	415.53	24.39	15.44	303.73	0.48	0.75	236.70	21.36	17660.75	0.40	15.71	1.48	34.97		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_3	CASS3	1	2H	295-501	40.34	190.48	30.83	478.67	267.14	10.10	247.71	0.14	0.98	236.20	12.56	72033.69	0.17	14.24	1.00	31.73		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_4	CASS3	1	2H	295-501	147.14	141.14	21.22	30.00	0.36	0.24	221.69	0.30	0.16	316.88	33.19	78106.98	0.18	12.84	7.05	23.76		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_5	CASS3	1	2H	295-501	20.68	148.91	15.68	329.91	108.92	2.61	167.60	0.10	0.40	189.87	15.44	76575.71	0.22	16.49	4.36	21.04		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_6	CASS3	1	2H	295-501	31.58	233.67	47.25	644.53	356.42	0.32	109.39	0.36	0.89	389.65	29.58	77348.63	0.31	15.53	1.00	66.12		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_7	CASS3	1	2H	295-501	48.00	276.69	27.45	590.60	281.24	19.44	463.92	0.64	1.20	270.55	17.17	77632.56	0.29	16.05	1.09	46.31		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_8	CASS3	1	2H	295-501	26.61	295.02	2.68	199.34	0.05	122.83	10.22	1000.56	4859.91	87571.19	0.48	170.00	997.52	3261.63				
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G_9	CASS3	2	2H	295-501	93.77	380.33	15.24	642.90	103.05	6.30	126.43	1.01	1.56	48.65	265.61	75961.94	0.22	0.84	11.01	25.65		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G11_1	CASS3	2	2H	295-501	197.88	173.22	7.70	610.97	178.72	110.09	2360.61	1.68	2.98	76.09	11.09	76580.56	0.47	2.63	11.72	128.73		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G11_2	CASS3	2	2H	295-501	166.20	170.75	10.94	636.62	251.99	0.32	887.78	0.11	2.76	86.04	79.10	76553.38	0.24	2.86	7.70	81.90		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G11_3	CASS3	2	2H	295-501	190.36	145.14	7.55	616.68	405.63	0.08	943.04	-0.05	4.37	46.46	22.29	76822.44	0.16	11.81	1.75	75.76		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G11_4	CASS3	2	2H	295-501	184.82	139.96	9.79	643.84	177.25	0.22	1027.50	0.10	5.44	103.29	33.19	76949.19	0.19	3.88	6.76	36.24		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G11_5	CASS3	2	2H	295-501	31.48	417.46	14.06	14847.39	308.07	2.98	463.45	0.16	0.60	168.61	944.91	77833.50	0.75	5.13	48.11	570.98		
LACPM-Hercules	Batch3	Segura	Alluvial	C3F5G11_6	CASS3	2	2H	295-501	175.18	148.86	12.39	574.36	199.81	0.33	897.48	0.13	4.34	115.33	39.93	76930.88	0.18	4.38	6.61	74.53		
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_1	CASS4	5	5M	295-503	671.45	0.82	45.05	-0.0073	61.72	946.05	0.66	19.79	295.10	54.05	105.62	307.62	87571.25	0.62	14.27	8.97	177.77	
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_2	CASS4	5	5M	295-503	576.87	0.93	147.65	0.05	109.00	754.24	58.21	81.95	2760.08	754.24	105.88	144.23	132.67	144.23	534.76			
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_3	CASS4	5	5M	295-503	280.38	0.79	188.33	-0.0078	205.29	638.67	77.09	811.64	3841.33	87571.25	0.56	127.33	132.67	144.23	534.76			
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_4	CASS4	5	5M	295-503	-95.64	0.73	398.21	0.12	163.72	5516.07	16.06	416.38	13367.57	87571.19	0.30	113.05	2791.94	5962.88				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_5	CASS4	5	5M	295-503	257.82	0.82	559.63	0.06	109.00	6951.70	28.92	947.71	13467.03	87571.19	0.33	104.63	3185.00	4927.91				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_6	CASS4	5	5M	295-503	315.58	1.57	1060.26	2.37	82.86	4540.56	16.64	455.31	7154.84	87571.19	0.36	150.10	9275.21	688.22				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_7	CASS4	5	5M	295-503	596.32	17.68	599.62	238.53	8.36	1224.15	1.58	434.62	2064.40	87571.19	0.64	40.12	623.33	193.06				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_8	CASS4	5	5M	295-503	380.31	31.59	7056.92	309.50	4.32	1100.22	1.58	454.61	1208.49	87571.19	0.28	74.11	2261.15	157.07				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G_9	CASS4	5	5M	295-503	272.58	18.59	597.19	65.99	10.86	923.59	0.55	384.51	2083.29	87571.19	0.39	38.16	1746.06	307.71				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G10_1	CASS4	2	2HM	295-503	358.91	28.35	490.77	47.59	28.27	3027.34	7.80	446.19	4573.43	87571.19	0.36	70.59	325.22	1160.70				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G10_2	CASS4	2	2HM	295-503	267.29	18.49	6887.55	74.75	44.86	3967.83	7.94	590.81	8079.79	87571.19	0.30	120.56	1625.20	533.83				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G10_3	CASS4	2	2HM	295-503	255.92	9.02	129.00	0.05	61.23	232.94	4.58	45.21	142.60	50771.19	0.18	15.00	10.00	272.22				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G10_4	CASS4	2	2HM	295-503	343.22	1.29	147.69	0.01	164.20	665.80	53.37	1425.44	2524.27	87571.19	0.60	258.63	1580.59	586.30				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G10_5	CASS4	2	2HM	295-503	667.84	1.80	384.63	0.11	1140.17	5937.50	38.41	1679.42	11745.00	87571.19	0.66	404.11	9632.43	3517.07				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G10_6	CASS4	2	2HM	295-503	339.79	0.46	111.07	0.24	192.73	1002.67	26.77	551.89	3582.73	87571.25	0.40	153.49	2028.01	200.43				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_1	CASS4	2	2M1	295-508	44.24	28.56	2.36	147.84	42.96	10.18	886.29	1.98	0.78	198.74	1243.92	87571.19	0.36	23.54	38.74	538.08		
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_2	CASS4	2	2M1	295-508	289.24	3.45	468.00	-0.0076	282.35	2993.08	34.59	1963.38	6099.58	87571.25	0.34	645.40	1986.44	799.33				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_3	CASS4	2	2M1	295-508	298.29	2.32	137.04	0.40	332.96	5769.56	26.61	1477.03	12784.82	87571.19	0.34	345.52	1422.26	2660.10				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_4	CASS4	2	2M1	295-508	277.91	2.74	1506.38	0.55	487.55	7562.38	37.32	1704.18	15045.54	87571.19	0.36	740.84	21305.79	2944.78				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_5	CASS4	2	2M1	295-508	550.22	1.56	2.36	147.84	42.96	10.18	886.29	1.98	0.78	198.74	1243.92	87571.19	0.36	23.54	38.74	538.08		
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_6	CASS4	2	2M1	295-508	244.21	2.38	1427.25	0.48	352.12	6250.08	28.25	1527.00	12891.68	87571.19	0.35	660.84	16194.69	1958.05				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_7	CASS4	2	2M1	295-508	203.61	2.22	1468.91	0.93	288.17	6179.53	28.60	1469.25	11466.95	87571.19	0.38	648.01	15616.38	2396.11				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_8	CASS4	2	2M1	295-508	552.00	2.36	1431.56	0.54	365.73	6445.44	29.78	1505.58	12680.01	87571.19	0.41	677.03	17960.66	2936.46				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G11_9	CASS4	2	2M1	295-508	1189.24	0.82	559.63	0.06	109.00	6951.70	28.92	947.71	13467.03	87571.19	0.33	104.63	3185.00	4927.91				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G12_1	CASS4	2	2M1	295-508	264.25	5.00	1301.88	0.37	369.89	6002.71	28.21	1562.02	12905.54	87571.19	0.31	656.99	16151.50	1810.14				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G12_2	CASS4	2	2H	295-508	70.37	46.82	811.80	379.58	1.38	359.19	0.43	506.63	157.62	87571.19	0.71	20.12	3.70	791.29				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G12_3	CASS4	2	2H	295-508	395.83	48.42	5816.73	389.78	0.76	296.90	0.45	300.12	2469.46	87571.25	0.62	15.94	20.43	83.07				
LACPM-Hercules	Batch3	Segura	Alluvial	M4F5G12_4	CASS4	2	2H	295-508	184.45	2.56	147.84	42.96	10.18	886.2												

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	Al2O3	SiO2	CaO	TiO2	V2O5	MnSO4	FeSO4	ZnO	Ga2O3	ZrO2	Nb2O5	Sn18	Sb121	Hf178	Ta181	W182	
LACIP-MS Hercules	Batch1	Segura	Cerro Quemado	CF_1	CQ	CQ	CQM	QCHST		247.97	51.13	309.51	<0.0077	485.77	902.59	28.66	1160.31	7037.57	787571.06	0.4	236.67	1627.38	584.82			
LACIP-MS Hercules	Batch1	Segura	Cerro Quemado	CF_2	CQ	CQ	CQM	QCHST		325.09	49.9	332.45	0.1	3423.33	1403.01	41.66	2406.55	12436.61	787571.06	0.81	472.03	1003.36	2098.44			
LACIP-MS Hercules	Batch1	Segura	Cerro Quemado	CF_3	CQ	CQ	CQM	QCHST		663.43	0.96	152.47	<0.0071	1899.66	500.24	22.01	696.50	12027.41	787571.06	0.64	282.21	4341.30	878.00			
LACIP-MS Hercules	Batch1	Segura	Cerro Quemado	CF_4	CQ	CQ	CQM	QCHST		312.64	0.93	233.01	0.01	833.04	299.27	29.27	480.64	3152.14	787571.06	0.43	276.47	3185.30	69.00			
LACIP-MS Hercules	Batch1	Segura	Cerro Quemado	CF_5	CQ	CQ	CQM	QCHST		295.82	11.77	255.77	<0.0078	744.58	299.27	39.16	470.58	2511.32	787571.06	0.43	276.47	4307.61	62.94			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-1	CQ	CQ	Pegmatite	QCHST	2076.08	526.86	2.99	5465.51	29.41	3.54	480.07	0.36	11.27	1191.91	1412.93	8066.97	787571.06	24.89	264.5	4342.15		
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-2	CQ	CQ	Pegmatite	QCHST	1874.20	491.82	3.37	377.05	Below0.00	2482.82	205.58	25.41	115.52	1465.00	8229.53	780649.76	24.34	280.67	3296.08			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-3	CQ	CQ	Pegmatite	QCHST	2490.37	507.89	4.14	359.91	Below0.00	2495.89	109.01	30.37	150.22	2566.05	18780.82	780649.76	46.73	653.16	5105.53			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-4	CQ	CQ	Pegmatite	QCHST	1812.03	531.94	3.92	361.19	Below0.00	2063.47	79.53	29.20	125.23	2166.95	14728.28	780649.76	384.60	5771.63	4536.76			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-5	CQ	CQ	Pegmatite	QCHST	238.67	622.43	4.98	255.67	Below0.00	314.00	111.96	32.35	147.26	2803.76	13637.54	780649.76	44.17	1256.49	87.00			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-6	CQ	CQ	Pegmatite	QCHST	2609.85	597.99	4.18	417.72	0.00	1704.35	27.75	56.86	137.14	1750.18	14726.54	780649.76	275.20	3450.44	12529.49			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-7	CQ	CQ	Pegmatite	QCHST	2834.85	575.30	3.48	352.74	Below0.00	1118.50	195.32	37.14	139.07	1545.83	10621.59	780649.76	228.87	2512.72	10956.91			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-8	CQ	CQ	Pegmatite	QCHST	2408.08	578.11	3.21	300.60	Below0.00	1012.32	218.08	32.95	122.88	1365.89	8784.40	780649.76	198.90	1860.96	9510.84			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-9	CQ	CQ	Pegmatite	QCHST	2094.74	528.18	1.96	239.83	Below0.00	932.32	188.02	35.75	107.55	1451.82	8066.97	780649.76	24.89	264.5	13631.87			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-10	CQ	CQ	Pegmatite	QCHST	2382.74	525.90	3.75	358.34	Below0.00	1273.09	218.19	43.64	126.44	1618.27	11381.96	780649.76	242.09	2710.18	13139.30			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-11	CQ	CQ	Pegmatite	QCHST	1443.38	492.32	3.91	354.77	0.00	1503.98	288.34	30.56	106.52	1780.14	14566.06	780649.76	313.23	3875.78	6772.26			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-12	CQ	CQ	Pegmatite	QCHST	1214.57	528.09	4.03	304.04	0.00	1029.15	25.75	23.48	87.73	1544.07	11722.83	780649.76	258.12	1896.89	8800.54			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-13	CQ	CQ	Pegmatite	QCHST	1752.13	279.62	3.63	205.80	Below0.00	1057.2	286.68	12.00	113.28	775.15	228.81	780649.76	110.86	645.21	340.02			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-14	CQ	CQ	Pegmatite	QCHST	642.11	488.55	2.32	229.60	0.02	213.10	221.94	10.75	45.90	500.31	3059.85	780649.76	109.05	1100.57	5906.40			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-15	CQ	CQ	Pegmatite	QCHST	930.20	474.24	2.96	211.63	Below0.00	331.28	273.98	17.60	58.69	843.31	4840.46	780649.76	120.38	1149.35	9968.33			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-16	CQ	CQ	Pegmatite	QCHST	2665.82	488.98	5.22	216.67	Below0.00	121.11	170.85	41.25	163.03	880.68	2246.05	780649.76	141.98	955.79	354.39			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-17	CQ	CQ	Pegmatite	QCHST	1169.59	460.61	3.63	225.00	Below0.00	469.20	355.82	22.53	71.41	957.72	6035.85	780649.76	158.49	1506.10	9116.08			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_Cerro Quemado-18	CQ	CQ	Pegmatite	QCHST	2134.87	487.61	4.51	201.80	Below0.00	91.35	234.94	35.58	134.12	739.01	1997.02	780649.76	110.71	1055.26	326.20			
LACIP-MS CSM	Batch1	Segura	Cerro Quemado	20240315_CAPINHA-1	CQ	CQ	Pegmatite	QCHST	1694.37	528.69	3.89	161.60	Below0.00	62.59	106.32	22.69	111.64	780.70	1362.49	780649.76	102.79	453.29	370.03			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-1	Capinha	vein	QZ Vein	Capinha-ST	35.40	614.96	5.05	5418.46	26.90	2.56	406.38	0.24	1.16	449.72	637.48	780649.76	35.98	724.42	9.04			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-2	Capinha	vein	QZ Vein	Capinha-ST	36.32	605.05	4.99	5387.69	26.75	2.54	401.15	0.35	1.16	445.25	630.80	780649.76	35.98	709.86	9.76			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-3	Capinha	vein	QZ Vein	Capinha-ST	47.64	617.87	6.97	5929.46	35.78	7.03	760.86	0.83	1.58	240.20	1332.08	780649.76	42.07	1905.46	19.31			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-4	Capinha	vein	QZ Vein	Capinha-ST	18.01	590.92	4.77	307.78	0.15	2.96	266.04	0.26	1.04	407.47	503.47	780649.76	41.47	1256.49	6.04			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-5	Capinha	vein	QZ Vein	Capinha-ST	19.25	602.75	4.96	5024.30	19.03	2.79	333.40	0.40	0.73	476.20	710.56	780649.76	40.22	1734.27	6.39			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-6	Capinha	vein	QZ Vein	Capinha-ST	11.05	618.34	4.78	5230.40	22.07	2.77	333.50	0.46	0.69	499.99	887.95	780649.76	42.42	1414.52	8.00			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-7	Capinha	vein	QZ Vein	Capinha-ST	20.34	615.98	5.22	5393.50	12.84	3.18	384.06	0.48	0.82	502.33	1008.52	780649.76	41.96	1381.81	8.58			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-8	Capinha	vein	QZ Vein	Capinha-ST	35.91	606.51	9.77	5446.52	18.54	13.11	1042.46	0.74	1.30	465.88	1813.63	780649.76	41.96	1381.81	8.58			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-9	Capinha	vein	QZ Vein	Capinha-ST	26.65	607.67	7.32	5058.48	23.68	7.92	698.91	1.13	0.94	522.18	1308.67	780649.76	44.23	3526.28	8.21			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-10	Capinha	vein	QZ Vein	Capinha-ST	21.41	599.34	6.44	5115.37	21.82	6.29	560.53	0.82	0.81	529.26	1274.49	780649.76	44.18	2658.01	7.95			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-11	Capinha	vein	QZ Vein	Capinha-ST	23.53	599.29	7.07	5120.91	23.21	7.11	611.75	0.99	0.83	545.36	1347.53	780649.76	45.40	2782.94	8.98			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-12	Capinha	vein	QZ Vein	Capinha-ST	27.91	579.23	6.03	4939.28	28.65	7.60	769.26	1.04	1.04	483.46	1687.76	780649.76	45.67	2391.22	11.34			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-13	Capinha	vein	QZ Vein	Capinha-ST	20.23	599.18	8.91	6371.21	32.60	10.13	814.27	1.18	1.15	620.77	2427.55	780649.76	48.58	2547.45	15.88			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-14	Capinha	vein	QZ Vein	Capinha-ST	23.83	577.48	6.82	5742.28	25.63	5.52	522.97	0.61	0.94	554.20	1574.85	780649.76	44.61	2277.15	12.94			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-15	Capinha	vein	QZ Vein	Capinha-ST	32.92	597.40	9.22	6367.89	34.36	10.71	865.57	1.14	1.17	610.83	2318.94	780649.76	50.07	2682.17	19.67			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-16	Capinha	vein	QZ Vein	Capinha-ST	28.10	580.76	6.92	6033.42	35.58	10.42	865.57	0.49	0.07	403.79	1503.87	780649.76	41.96	1381.81	8.58			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-17	Capinha	vein	QZ Vein	Capinha-ST	28.92	587.29	6.77	5651.33	28.92	5.33	509.13	0.64	1.09	509.50	1187.33	780649.76	49.00	1865.91	10.29			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-18	Capinha	vein	QZ Vein	Capinha-ST	28.68	582.43	6.71	5641.34	28.87	4.85	496.14	0.51	1.11	503.31	1031.63	780649.76	39.94	1884.46	9.61			
LACIP-MS CSM	Batch1	Capinha	Capinha	20240315_CAPINHA-19	Capinha	vein	QZ Vein	Capinha-ST	21.30	573.36	5.69	5177.66	23.91	3.74	395.46	0.47	0.90	447.07	700.58	780						

Method	Batch	Area	Local	Analysis	Mount	Population	Topology	Sample	ppm	A127	Si28	Sc45	Ti47	V51	Mn55	Fe56	Zn66	Ga69	Zr90	Nb93	Sn118	Sb121	Hf178	Ta181	W182	
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-1-2	Map 1	Vein IIIb-PA1	Vein IIIb	PA2	28.96	304.54	15.25	2826.56	208.63	8.16	223.51	0.11	1.46	304.52	13.89	780649.76	0.70	15.95	0.37	22.47			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-1-3	Map 1	Vein IIIb-PA1	Vein IIIb	PA2	48.76	251.18	11.67	4863.92	156.72	4.25	317.85	0.77	1.77	314.88	23.95	780649.76	0.53	14.52	1.09	36.52			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-1-4	Map 1	Vein IIIb-PA1	Vein IIIb	PA2	106.32	318.33	9.70	3520.78	95.24	15.46	331.85	0.18	2.22	15.93	780649.76	0.66	14.43	0.65	51.16				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-1-5	Map 1	Vein IIIb-PA1	Vein IIIb	PA2	51.12	297.12	14.52	5470.38	214.43	24.05	439.06	0.22	2.05	389.59	45.30	780649.76	0.68	18.47	1.69	50.38			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-1-6	Map 1	Vein IIIb-PA1	Vein IIIb	PA2	27.79	288.74	19.45	4163.40	88.79	41.35	685.17	2.04	608.19	756.55	780649.76	0.99	26.98	18.14	596.20				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-1	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	9.99	352.86	8.89	4792.69	29.40		163.57	0.58	4.07	22.22	1125.61	780649.76	0.58	27.71	145.89	424.67			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-2	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	11.12	299.79	9.68	4860.73	27.94	0.47	167.90	0.33	3.99	44.20	780649.76	0.57	23.00	83.53	653.58				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-3	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	45.73	342.59	17.06	4447.29	43.46	1.73	309.74	0.50	4.79	766.24	780649.76	0.75	20.83	96.49	870.43				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-4	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	25.11	305.22	14.35	7490.54	40.37	1.02	302.30	0.74	4.98	623.48	780649.76	0.52	20.56	43.49	1324.68				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-5	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	19.38	308.73	14.85	6102.81	39.71	1.11	271.15	0.48	444.34	693.09	780649.76	0.46	21.79	40.35	924.52				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-6	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	24.06	267.97	12.00	6502.27	37.18	1.24	343.70	0.67	4.84	996.25	780649.76	0.49	18.87	34.24	1004.31				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-7	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	16.99	277.23	8.62	6956.72	32.00	0.57	224.57	0.03	0.43	443.00	620.20	780649.76	0.53	17.97	31.84	999.19			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-10	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	34.65	256.69	8.79	8535.80	37.56	0.99	555.53	1.42	555.92	994.79	780649.76	0.46	24.78	27.03	2902.66				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-11	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	22.82	231.65	12.80	5574.53	35.25	1.91	338.93	0.59	451.46	850.05	780649.76	0.59	23.89	15.46	103.87				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-12	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	51.68	270.73	18.22	7438.51	198.34	3.72	462.03	1.74	512.90	454.10	780649.76	0.68	24.90	25.89	705.29				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-13	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	40.86	354.52	7.89	5956.47	35.26	11.03	953.00	0.84	395.67	2265.06	780649.76	1.28	19.18	325.21	1219.26				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-14	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	43.61	278.65	9.90	6018.28	34.62	2.67	476.44	0.69	460.33	1256.11	780649.76	0.56	19.14	85.38	1059.99				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-15	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	23.82	231.65	12.80	5574.53	35.25	1.91	338.93	0.59	451.46	850.05	780649.76	0.59	18.80	76.14	971.76				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-16	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	47.82	264.89	7.38	10178.17	37.36	2.56	788.44	1.90	602.27	1236.85	780649.76	0.63	21.99	22.31	2461.02				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-17	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	128.01	445.06	7.68	7586.62	69.13	7.65	885.94	1.37	388.94	1767.95	780649.76	1.17	18.06	225.45	1484.83				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-18	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	42.20	273.12	10.06	6643.61	37.73	2.81	546.69	0.06	0.75	417.83	1479.37	780649.76	0.85	18.05	151.92	936.89			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-19	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	26.35	204.28	11.13	7394.47	33.15	1.24	424.12	0.87	509.81	1191.07	780649.76	0.87	19.04	38.67	1250.06				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-20	Map 3	Vein IIIb-PA3	Vein IIIb	PA2	38.37	267.23	18.80	6619.14	122.15		325.48	1.10	467.99	504.69	780649.76	0.42	18.39	21.08	599.18				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-1	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	18.87	465.42	9.55	4384.51	131.08	1.09	245.04	0.02	0.70	319.61	945.90	780649.76	2.39	23.84	328.75	102.60			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-2	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	17.98	389.37	10.10	3863.80	138.10	0.32	240.87	0.71	263.05	949.50	780649.76	1.24	21.21	263.32	95.35				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-3	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	19.80	363.59	6.43	3316.00	115.42	0.42	165.04	0.07	1.80	180.63	350.85	780649.76	1.44	15.13	73.13	38.43			
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-4	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	16.37	385.60	9.81	3165.53	75.21	0.73	155.78	0.38	195.85	628.92	780649.76	1.43	15.70	90.49	75.42				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-5	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	4.42	387.13	9.95	3120.35	53.91	141.79	0.01	215.25	865.60	780649.76	1.18	17.70	95.35	105.45					
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-6	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	4.59	391.59	8.57	2905.23	56.22	159.59	0.02	227.00	879.84	780649.76	1.23	16.84	177.28	151.00					
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-7	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	5.32	394.67	8.65	3007.42	60.53	153.06	0.00	224.00	894.41	780649.76	1.48	18.50	183.87	193.34					
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-8	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	4.24	395.00	5.40	2913.04	45.65	139.90	0.00	220.08	815.41	780649.76	1.02	19.15	348.99	52.77					
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-9	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	4.80	405.73	6.19	3088.45	42.16	85.29	0.01	0.12	241.79	549.14	780649.76	1.04	19.28	235.70	43.92				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-10	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	7.73	395.64	8.90	3753.29	73.99	0.47	216.52	0.71	295.86	1218.69	780649.76	1.48	23.79	395.52	85.52				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-11	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	5.44	385.42	6.52	2744.81	45.64	0.29	140.46	0.20	213.11	728.32	780649.76	1.08	16.86	227.60	108.22				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-12	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	5.74	421.31	6.68	3643.03	64.31	140.00	0.00	0.20	213.11	859.50	780649.76	0.86	23.05	323.97	62.68				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-13	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	12.80	433.57	9.51	4126.65	86.77	0.49	300.68	0.45	322.61	1539.76	780649.76	1.30	26.43	563.37	95.29				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-14	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	9.11	461.81	9.56	3912.23	60.69	1.90	186.17	0.69	227.00	3395.84	780649.76	3.27	16.90	110.80	54.84				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-15	Map 4	Vein IIIb-PA4	Vein IIIb	PA2	461.46	827.24	8.56	2320.63	60.24	0.82	181.26	0.26	155.19	40.42	780649.76	2.02	23.13	113.12	53.20				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-16	Map 5	Vein IIIb-PA5	Vein IIIb	PA2	37.89	289.48	12.21	3471.61	116.22	0.38	137.44	0.96	189.37	11.67	780649.76	0.86	12.18	0.56	11.91				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-17	Map 5	Vein IIIb-PA5	Vein IIIb	PA2	20.09	299.60	11.70	3380.02	122.49	115.08	0.08	0.84	159.92	13.70	780649.76	0.75	11.01	0.43	13.26				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-18	Map 5	Vein IIIb-PA5	Vein IIIb	PA2	23.36	411.84	9.87	2918.23	115.30	0.56	106.55	0.71	186.25	14.82	780649.76	0.87	14.44	2.57	21.88				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-19	Map 5	Vein IIIb-PA5	Vein IIIb	PA2	22.04	310.53	11.36	3709.65	126.18	152.27	0.06	1.16	212.70	11.39	780649.76	0.75	14.44	0.82	14.84				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-20	Map 5	Vein IIIb-PA5	Vein IIIb	PA2	28.28	299.37	9.87	3409.76	111.98	113.17	0.06	1.96	183.52	10.48	780649.76	0.82	13.36	0.50	12.21				
LA-ICP-MS Nancy	Argemela	Pedra Alta	PA2-2-6	Map 5	Vein IIIb-PA5	Vein IIIb	PA2	25.87	334.56	8.84	3113.87	115.51	110.81	0.07	0.75</											