

Table S1: Physicochemical parameters (average, minimum and maximum) measured at the sampling sites, evaluated in accordance with NOM-SSA-127-2021 [53]. pH: potential of hydrogen in units. Fecal coliform: colony forming units (CFU/100 ml)).

NOM-127	pH	Fecal coliform	NO ₃ ⁻	SO ₄ ²⁻	Cl ⁻	Na	Mg	Ca	K	Fe	Mn	Al
mg/L												
Limits	6.5-8.5	Absent	11	400	250	200	-	-	-	0.3	0.15	0.2
Pilita												
Maximum	7	Absent	1.04	5.29	3.36	0.31	0.06	2.12	0.15	0.03	0.002	0.01
Minimum	7	Absent	0.5	0.69	0.28	0.05	0.04	0.45	0.08	0.01	0.001	0.01
Average	7	Absent	0.8	2.74	1.82	0.19	0.05	1.04	0.115	0.02	0.001	0.01
Casallas												
Maximum	7	Absent	1.46	1.96	1	0.17	0.02	0.75	0.26	0.01	0.003	0.01
Minimum	7	Absent	0.37	0.85	0.28	0.12	0.02	0.36	0.15	0.01	0.002	0.01
Average	7	Absent	0.86	1.52	0.54	0.15	0.02	0.54	0.21	0.01	0.002	0.01
Agua Blanca												
Maximum	7	Absent	1.52	3.97	1.09	2.78	0.11	41.08	0.53	0.51	0.002	0.01
Minimum	7	Absent	0.43	1.1	0.41	0.09	0.05	0.51	0.1	0.01	0.002	0.01
Average	7	Absent	1.06	2.45	0.72	1.06	0.08	14.07	0.32	0.26	0.002	0.01
Taxco el Viejo												
Maximum	7	Absent	1.5	1.92	2.95	1.8	0.11	1.6	2.03	0.02	0.003	0.02
Minimum	7	Absent	0.52	0.5	0.45	0.14	0.05	0.41	0.13	0.01	0.001	0.01
Average	7	Absent	0.92	1.22	1.7	0.82	0.08	0.92	0.87	0.02	0.002	0.02
Acuitlapán												
Maximum	7	Absent	1.61	1.57	18.34	10.75	0.11	3.03	0.92	0.04	0.003	0.02
Minimum	7	Absent	0.32	1.27	0.3	0.15	0.08	0.73	0.2	0.01	0.002	0.02
Average	7	Absent	0.98	1.38	6.38	3.7	0.10	1.83	0.66	0.02	0.002	0.02
Horconcito												
Maximum	7	Absent	1.55	2.5	24.64	20.81	0.06	5.28	14.03	0.01	0.003	0.02
Minimum	7	Absent	1.1	1.31	0.33	0.11	0.05	0.36	0.09	0	0.002	0
Average	7	Absent	1.27	1.71	12.49	7.06	0.06	2.09	7.06	0.01	0.003	0.01