

Table 2 Summary of isotopic compositions of precipitation, the different stream sampling locations and groundwater aquifers, n is the amount of samples, standard deviation (SD) related to laboratory values as measurement accuracy, arrow represents stream direction

		$\delta^{18}\text{O}$				$\delta^2\text{H}$				lc-excess	
		media				media					
	n	max	n	min	SD	max	n	min	SD	median	
	[-]	‰	‰	‰	‰	‰	‰	‰	‰	‰	
Precipitation		138	-0.29	-7.67	17.31	0.04	-12.19	-52.59	-131.33	0.19	0.17
Stream ↓	UP1	28	-6.98	-8.21	-9.28	0.05	-51.93	-58.40	-65.14	0.14	0.03
	UP2	26	-5.85	-8.41	-9.17	0.06	-44.48	-59.01	-64.40	0.20	0.68
	UP3	30	-4.83	-7.91	-9.53	0.07	-34.54	-56.41	-68.42	0.21	-0.96
	DS	32	-6.68	-7.28	-9.40	0.04	-48.72	-54.04	-71.01	0.13	-2.87
	OL	370	-5.16	-7.35	-9.53	0.05	-34.54	-54.46	-69.96	0.14	-2.96
WWTP		31	-6.85	-7.18	-9.49	0.04	-50.28	-53.55	-72.67	0.13	-3.25
Ground-water	AQ(1.1)	9	-7.90	-8.67	-9.46	0.08	-54.06	-59.91	-66.92	0.23	1.31
	AQ(1.2)	43	-5.31	-8.19	-8.62	0.04	-44.18	-58.24	-62.09	0.13	-0.16
	AQ(2)	15	-8.84	-9.02	-0.22	0.04	-62.4	-63.3	-64.1	0.14	0.66