

Neves *et al.* 2024. Parâmetros de qualidade da água subterrânea em rochas cristalinas no sul do Estado do Espírito Santo, sudeste do Brasil. *Derbyana*, 45: e812 (Material suplementar).

SUPPLEMENTARY MATERIAL – Physical and chemical data measured in samples of groundwater collected in crystalline rock terrain of Itapemirim River Catchment (EC: electrical conductivity, Turb.: turbidity, TDS: total dissolved solids). (OBS: well numbers are not sequential because is in accordance with the original data set)

Well	coordinates		pH	EC ($\mu\text{S cm}^{-1}$)	Turb. (FTU)	TDS	Ca	Mg	Na	Fe	Mn	Pb	Zn	Cd	Co
	UTM-E	UTM-N													
2	276578	7691567	6.55	632.00	0.54	317.33	30.83	12.16	39.73	0.118	0.008	0.78	16.56	0.129	0.21
14	300976	7664587	6.29	1246.33	0.00	623.00	48.21	0.52	97.70	0.003	0.134	0.26	NA	<LQ	<LQ
14	300976	7664587	6.07	1021.00	0.00	509.00	64.18	0.67	116.94	<LQ	0.183	1.58	NA	<LQ	4.39
16	299086	7691102	6.36	99.10	0.05	49.63	3.34	1.42	8.93	0.052	0.028	0.51	NA	<LQ	0.44
17	282525	7742072	6.63	13.44	0.69	5.81	0.22	<LQ	0.96	<LQ	0.007	0.46	NA	<LQ	<LQ
17	282525	7742072	6.78	14.92	0.78	7.42	0.34	0.20	0.99	<LQ	0.015	1.15	NA	<LQ	0.68
18	292932	7713688	4.96	66.27	0.00	32.87	4.14	0.03	3.51	<LQ	0.025	0.31	NA	<LQ	<LQ
18	292932	7713688	7.88	91.70	0.00	45.83	5.34	1.69	5.02	<LQ	0.039	0.53	NA	<LQ	0.08
20	279086	7681664	6.33	178.67	0.07	89.60	5.99	0.05	22.84	0.028	<LQ	0.21	NA	<LQ	<LQ
26	274992	7693541	7.37	913.67	2.13	458.00	31.60	0.50	127.15	0.022	0.037	0.07	NA	<LQ	<LQ
27	273162	7694998	7.07	1321.00	NA	660.00	94.87	0.75	127.51	0.174	0.395	0.25	NA	<LQ	<LQ
27	273162	7694998	6.96	1317.00	NA	659.00	104.09	29.27	132.22	0.090	0.363	0.49	118.48	0.081	0.20
30	274490	7692967	6.64	1312.33	0.00	655.33	90.60	1.67	97.08	<LQ	<LQ	0.12	NA	<LQ	<LQ
31	272806	7695662	9.09	1461.33	13.56	729.33	84.33	0.88	146.68	0.440	0.470	0.06	NA	<LQ	<LQ
33	279617	7685189	6.59	241.33	0.24	121.30	15.59	0.10	21.79	<LQ	<LQ	0.09	NA	<LQ	<LQ
34	283464	7684831	6.53	398.33	0.00	199.27	20.22	0.22	41.92	0.114	0.133	2.26	NA	<LQ	<LQ
35	283646	7684160	6.59	244.00	0.00	122.00	3.18	0.06	38.88	<LQ	0.073	0.07	NA	<LQ	<LQ
40	282399	7704872	7.30	774.00	14.31	387.00	88.81	37.12	18.38	0.155	0.034	0.72	9.59	0.090	0.20
41	227548	7716349	6.53	96.40	0.07	48.20	4.96	1.72	7.24	<LQ	<LQ	0.32	NA	<LQ	<LQ
41	227548	7716349	6.36	87.70	0.00	43.80	5.53	1.78	9.40	0.102	0.007	0.55	26.55	0.087	0.18
42	235917	7702117	6.42	168.13	0.00	84.17	9.99	3.13	8.01	<LQ	<LQ	1.46	NA	<LQ	<LQ
42	235917	7702117	6.49	169.80	NA	84.90	11.83	3.22	9.45	0.019	0.011	0.25	7.02	0.085	0.12
42	235917	7702117	7.35	204.33	0.00	102.10	11.68	0.08	11.78	<LQ	<LQ	0.24	NA	<LQ	<LQ
43	236539	7689910	6.53	47.40	0.70	23.70	1.28	1.01	2.90	0.067	0.006	0.41	9.15	0.086	0.12
43	236539	7689910	6.53	43.50	0.40	21.70	0.93	0.02	3.43	<LQ	<LQ	0.16	NA	<LQ	<LQ
44	238540	7706536	6.78	329.33	0.00	164.30	26.35	0.42	12.11	<LQ	<LQ	0.09	NA	<LQ	<LQ
45	274631	7693280	6.64	1289.00	17.84	646.00	69.93	0.63	151.01	0.200	0.313	0.06	NA	<LQ	<LQ
46	271921	7693244	7.70	854.33	0.10	437.67	27.73	0.41	108.23	<LQ	<LQ	0.23	NA	<LQ	<LQ
47	274816	7693266	7.03	1582.33	3.34	795.00	87.44	38.44	139.86	0.438	0.318	2.06	NA	0.020	0.92
47	274816	7693266	6.74	1538.00	15.45	772.00	86.62	1.04	169.17	<LQ	0.578	1.30	NA	<LQ	<LQ
54	276110	7696347	6.75	NA	0.00	1254.33	182.75	1.02	220.52	<LQ	NA	0.17	NA	<LQ	<LQ
54	276110	7696347	6.62	448.33	0.44	1223.67	178.46	1.04	221.14	0.003	<LQ	0.44	NA	0.084	<LQ
54	276110	7696347	6.41	NA	0.60	1252.00	172.8	38.19	NA	<LQ	<LQ	0.54	NA	0.098	<LQ
55	274317	7699703	7.24	1041.33	3.13	520.00	71.05	0.58	102.85	0.146	0.280	0.40	NA	<LQ	<LQ
56	274033	7698076	6.86	1712.33	0.00	858.33	72.01	1.08	231.98	<LQ	<LQ	0.17	NA	<LQ	<LQ
57	273178	7697209	7.24	738.33	0.18	376.33	32.79	0.56	84.48	<LQ	<LQ	0.19	NA	<LQ	<LQ
58	273178	7697209	7.26	921.33	0.00	460.00	35.90	18.89	45.16	<LQ	0.002	0.41	NA	<LQ	0.26
63	235415	7747735	6.52	219.00	0.09	109.67	16.63	5.69	7.82	<LQ	<LQ	0.93	NA	<LQ	<LQ
63	235415	7747735	7.32	222.00	0.00	111.00	17.08	6.23	8.94	<LQ	0.002	1.36	NA	<LQ	0.05
63	235415	7747735	6.33	216.00	0.00	107.90	17.45	0.18	11.21	<LQ	<LQ	<LQ	NA	<LQ	<LQ
64	235211	7748837	6.35	85.20	1.12	43.00	4.55	3.84	4.07	0.023	<LQ	0.57	6.14	0.079	0.38
64	235211	7748837	6.26	59.27	0.00	30.00	2.63	0.02	4.24	<LQ	<LQ	0.05	NA	<LQ	<LQ
65	238032	7760354	6.40	80.40	0.75	40.20	7.46	1.74	3.08	0.014	0.003	0.46	14.87	0.095	0.09
65	238032	7760354	8.97	74.00	0.00	37.00	6.14	0.04	3.33	<LQ	<LQ	0.24	NA	<LQ	<LQ
66	273078	7685131	6.85	477.00	0.46	240.00	13.77	6.53	58.07	0.067	0.005	0.51	30.76	0.100	0.14
67	248399	7735437	7.89	67.20	0.00	33.60	3.20	0.01	6.77	<LQ	<LQ	0.01	NA	<LQ	<LQ
67	248399	7735437	6.31	195.50	1.62	97.80	14.29	3.26	9.05	3.228	0.137	0.42	8.33	0.084	1.20
68	269070	7741736	6.42	59.50	NA	29.70	3.68	1.57	2.61	0.031	0.004	0.77	6.10	0.084	0.10
68	269070	7741736	7.44	51.20	0.00	25.73	3.10	0.03	2.84	<LQ	<LQ	0.11	NA	<LQ	<LQ
69	270497	7717346	6.24	296.00	7.28	148.30	18.74	10.05	16.08	1.353	0.022	0.61	NA	<LQ	<LQ
69	270497	7717346	6.87	279.00	0.00	138.97	18.85	0.28	18.54	<LQ	<LQ	0.71	NA	0.030	<LQ
69	270497	7717346	6.52	354.00	NA	177.10	24.72	13.19	19.61	0.148	0.043	0.97	10.00	0.091	0.29
70	269755	7716425	6.28	425.00	NA	212.00	23.38	8.77	35.09	0.039	0.009	0.53	17.38	0.091	0.18
71	240847	7703397	6.70	521.00	2.96	260.00	45.89	13.91	18.77	0.014	0.205	0.39	13.82	0.098	1.29
71	240847	7703397	6.08	473.00	4.69	237.00	36.75	0.34	20.78	0.046	0.115	0.36	NA	0.067	<LQ
72	277968	7746147	6.42	242.00	116.00	120.90	20.56	6.46	2.08	0.147	6.559	0.41	7.40	0.095	8.37
72	277968	7746147	6.22	215.67	2.13	108.27	14.74	4.88	2.23	16.031	7.009	0.56	NA	<LQ	<LQ
72	277968	7746147	6.47	142.90	122.67	70.97	12.00	0.14	2.26	12.776	6.845	0.15	NA	<LQ	<LQ
73	243153	7703008	6.90	230.33	0.10	116.00	16.87	6.60	8.72	0.031	0.026	2.34	NA	<LQ	0.05
73	243153	7703008	6.96	231.00	0.00	163.80	31.11	4.98	12.87	0.073	0.173	0.23	NA	<LQ	<LQ
73	243153	7703008	6.99	311.67	0.00	155.50	33.11	0.15	16.16	0.182	0.166	0.15	NA	0.017	<LQ
75	224736	7747634	8.15	57.77	2.14	29.97	3.66	0.03	3.19	0.169	0.017	0.07	NA	<LQ	<LQ

NA: not analyzed

< LQ: below the limit of quantification



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