



Table S1. Geographical location and depth of groundwater wells around the landfill site, Amazonia, Brazil.

Point	Geographical Coordinates		Source of Supply	Depth	Neighbourhood
P01	01°23'49.4"	048°20'49.8"	Artesian well	17	São João
P02	01°23'50.9"	048°20'45.6"	Artesian well	18	São João
P03	01°23'50.0"	048°20'48.8"	Amazon well	15	São João
P04	01°23'47.8"	048°20'45.0"	Amazon well	6	São João
P05	01°23'41.5"	048°20'49.2"	Amazon well	12	São João
P06	01°23'39.1"	48°20'52.4"	Artesian well	18	São João
P08	01°23'23.9"	048°20'55.5"	Artesian well	18	São João
P09	01°23'24.2"	048°20'58.2"	Artesian well	18	São João
P10	01°23'30.0"	048°20'57.6"	Artesian well	18	São João
P11	01°23'17.6"	048°20'51.9"	Artesian well	18	Uriboca
P12	01°23'15.8"	048°20'50.8"	Artesian well	18	Uriboca
P13	01°23'12.6"	048°20'51.1"	Amazon well	18	Uriboca
P14	01°23'12.0"	048°20'50.9"	Artesian well	13	São João
P15	01°23'11.8"	048°20'48.7"	Artesian well	18	São João
P16	01°23'14.1"	048°20'46.7"	Artesian well	18	Uriboca
P17	01°23'16.4"	048°20'44.2"	Artesian well	18	Uriboca
P18	01°23'16.3"	048°20'46.0"	Artesian well	17	Uriboca
P19	01°23'15.3"	048°20'41.7"	Amazon well	17	Uriboca
P20	01°23'14.8"	048°20'38.7"	Amazon well	12	Uriboca
P21	01°23'15.1"	048°20'33.8"	Amazon well	12	Uriboca
P22	01°23'08.1"	048°20'22.4"	Artesian well	14	Santa Lúcia I
P23	01°23'11.1"	048°20'33.9"	Artesian well	22	Uriboca
P24	01°23'12.5"	048°20'55.3"	Artesian well	23	São João
P25	01°23'12.2"	048°21'00.0"	Artesian well	24	São João
P26	01°23'10.6"	048°21'00.4"	Artesian well	12	São João
P27	01°23'10.3"	048°20'59.5"	Artesian well	12	São João
P28	01°23'12.5"	048°20'55.2"	Artesian well	18	São João
P29	01°23'12.2"	048°20'54.6"	Artesian well	18	São João
P30	01°23'12.2"	048°20'52.54"	Artesian well	12	São João
P31	01°23'11.7"	048°23'11.7"	Amazon well	18	São João
P32	01°23'10.4"	048°20'50.4"	Amazon well	6	São João
P33	1°23'10.36"	048°20'50.22"	Artesian well	16	São João
P34	01°23'18.4"	048°20'34.6"	Artesian well	12	Uriboca
P35	01°23'20.2"	048°20'33.7"	Amazon well	15	Uriboca
P36	01°23'20.5"	048°20'35.2"	Amazon well	10,5	Uriboca
P37	01°23'15.8"	048°20'32.8"	Artesian well	9	Uriboca
P38	01°23'15.1"	048°20'27.4"	Artesian well	17	Uriboca
P39	01°23'13.4"	048°20'25.5"	Artesian well	17	Uriboca
P40	01°23'10.8"	048°20'26.5"	Artesian well	17	Uriboca
P41	01°23'09.4"	048°20'28.1"	Artesian well	18	Uriboca
P42	01°23'09.5"	048°20'33.2"	Artesian well	18	Uriboca
P43	01°23'12.6"	048°20'35.3"	Amazon well	13	Uriboca
P44	01°23'06.8"	048°20'14.1"	Artesian well	17	Beira Rio
P45	01°23'08.5"	048°20'15.3"	Artesian well	18	Beira Rio
P46	01°23'08.7"	048°20'18.0"	Artesian well	24	Beira Rio

Point	Geographical Coordinates		Source of Supply	Depth	Neighbourhood
P47	01°23'10.6"	048°20'22.1"	Artesian well	18	Beira Rio
P48	01°23'10.3"	048°20'22.0"	Artesian well	18	Beira Rio
P49	01°23'09.9"	048°20'18.7"	Artesian well	17	Beira Rio
P50	01°23'10.8"	048°20'17.7"	Artesian well	17	Beira Rio
P51	01°23'11.5"	048°20'16.3"	Artesian well	18	Beira Rio
P52	01°23'12.1"	048°20'13.8"	Artesian well	18	Beira Rio
P53	01°23'12.8"	048°20'15.1"	Artesian well	17	Beira Rio
P54	01°23'14.3"	048°20'18.0"	Artesian well	18	Beira Rio
P55	01°23'15.4"	048°20'16.9"	Artesian well	18	Beira Rio
P56	01°23'11.3"	048°20'21.1"	Artesian well	18	Beira Rio
P57	01°23'16.8"	048°20'15.8"	Artesian well	18	Beira Rio
P58	01°23'15.8"	048°20'14.3"	Artesian well	18	Beira Rio
P59	01°23'18.8"	048°20'14.3"	Artesian well	24	Beira Rio
P60	01°23'05.4"	048°20'12.3"	Artesian well	24	Beira Rio
P61	01°23'05.5"	048°20'12.2"	Amazon well	24	Beira Rio
P62	01°23'05.5"	048°20'12.2"	Artesian well	18	Beira Rio
P63	01°23'06.7"	048°20'17.1"	Artesian well	18	Beira Rio
P64	01°23'05.9"	048°20'17.7"	Amazon well	15	Beira Rio
P65	01°23'07.1"	048°20'19.6"	Artesian well	18	Beira Rio
P66	01°23'12.6"	048°20'18.8"	Artesian well	30	Beira Rio
P67	01°23'14.6"	048°20'13.8"	Artesian well	18	Beira Rio
P68	01°23'13.1"	048°20'14.4"	Artesian well	24	Beira Rio
P69	01°23'27.3"	048°19'55.0"	Artesian well	18	Santa Lúcia I
P70	01°23'28.1"	048°20'03.8"	Artesian well	40	Santa Lúcia I
P71	01°23'28.1"	048°20'02.1"	Artesian well	40	Santa Lúcia I
P72	01°23'28.2"	048°20'04.0"	Artesian well	40	Santa Lúcia I
P73	01°23'27.4"	048°20'04.0"	Artesian well	40	Santa Lúcia I
P74	01°23'27.8"	048°20'02.6"	Artesian well	40	Santa Lúcia I
P75	01°23'27.7"	048°20'02.2"	Artesian well	40	Santa Lúcia I
P76	01°23'26.9"	048°20'00.7"	Artesian well	40	Santa Lúcia I
P77	01°23'28.1"	048°19'58.0"	Artesian well	18	Santa Lúcia I
P78	01°23'27.3"	048°19'57.7"	Artesian well	30	Santa Lúcia I
P79	01°23'26.3"	048°19'56.7"	Artesian well	40	Santa Lúcia I
P80	01°23'24.9"	048°19'52.4"	Artesian well	40	Santa Lúcia I
P81	01°23'24.1"	048°19'56.0"	Artesian well	40	Santa Lúcia I
P82	01°23'24.3"	048°19'57.7"	Artesian well	40	Santa Lúcia I
P83	01°23'23.3"	048°20'00.4"	Artesian well	40	Santa Lúcia I
P84	01°23'25.3"	048°20'02.0"	Artesian well	40	Santa Lúcia I
P85	01°23'26.58"	048°20'4.91"	Artesian well	18	Santa Lúcia I
P86	01°23'24.21"	048°19'55.00"	Artesian well	40	Santa Lúcia I
P87	01°23'27.01"	048°19'56.68"	Artesian well	40	Santa Lúcia I
P88	01°23'26.36"	048°19'55.01"	Artesian well	40	Santa Lúcia I
P89	01°23'14.2"	048°18'54.0"	Artesian well	40	Decouville
P90	01°23'14.5"	048°18'55.1"	Artesian well	266	Decouville
P91	01°23'12.7"	048°18'54.6"	Artesian well	266	Decouville
P92	01°23'12.7"	048°18'54.1"	Artesian well	266	Decouville
P93	01°23'11.9"	048°18'53.9"	Artesian well	266	Decouville
P94	01°23'10.9"	048°18'52.6"	Artesian well	266	Decouville

Point	Geographical Coordinates		Source of Supply	Depth	Neighbourhood
P95	01°23'09.6"	048°18'53.3"	Artesian well	266	Decouville
P96	01°23'10.1"	048°18'53.4"	Artesian well	266	Decouville
P97	01°23'10.2"	048°18'53.9"	Artesian well	266	Decouville
P98	01°23'11.01"	048°18'55.35"	Artesian well	266	Decouville
P99	01°23'10.3"	048°18'56.6"	Artesian well	266	Decouville
P100	01°23'10.0"	048°18'55.3"	Artesian well	266	Decouville
P101	01°23'09.6"	048°18'56.1"	Artesian well	266	Decouville
P102	01°23'7.27"	048°18'55.08"	Artesian well	266	Decouville
P103	01°23'08.6"	048°18'56.3"	Artesian well	266	Decouville
P104	01°23'7.77"	048°18'55.02"	Artesian well	266	Decouville
P105	01°23'07.8"	048°18'58.5"	Artesian well	266	Decouville
P106	01°23'05.7"	048°18'55.8"	Artesian well	266	Decouville
P107	01°23'7.30"	048°18'59.24"	Artesian well	266	Decouville
P108	01°23'06.7"	048°18'58.3"	Artesian well	266	Decouville
P109	01°23'05.8"	048°19'00.6"	Artesian well	266	Decouville
P110	01°23'04.8"	048°18'58.0"	Artesian well	266	Decouville
P111	01°23'04.7"	048°18'58.0"	Artesian well	266	Decouville
P112	01°23'02.4"	048°18'58.6"	Artesian well	266	Decouville
P113	01°23'02.9"	048°18'58.2"	Artesian well	266	Decouville
P114	01°23'4.69"	048°19'0.71"	Artesian well	266	Decouville
P115	01°23'04.7"	048°19'00.1"	Artesian well	266	Decouville
P116	01°23'03.3"	048°19'01.8"	Artesian well	266	Decouville
P117	01°22'59.41"	048°19'3.28"	Artesian well	266	Decouville
P118	01°22'55.9"	048°19'03.7"	Artesian well	266	Decouville
P119	01°22'56.8"	048°19'04.5"	Artesian well	266	Decouville
P120	01°22'56.9"	048°19'04.1"	Artesian well	266	Decouville
P121	01°22'57.3"	048°19'05.2"	Artesian well	266	Decouville
P122	01°22'56.9"	048°19'06.0"	Artesian well	266	Decouville
P123	01°22'58.2"	048°19'05.3"	Artesian well	266	Decouville
P124	01°22'58.01"	048°19'6.63"	Artesian well	266	Decouville
P125	01°22'54.8"	048°19'04.1"	Artesian well	266	Decouville
P126	01°22'55.8"	048°19'04.8"	Artesian well	266	Decouville
P127	01°23'11.34"	048°18'49.18"	Artesian well	266	Decouville
P128	01°23'10.5"	048°18'48.3"	Artesian well	266	Decouville
P129	01°23'09.0"	048°18'46.7"	Artesian well	266	Decouville
P130	01°23'07.0"	048°18'43.6"	Artesian well	24	São Pedro
P131	01°23'06.8"	048°18'45.3"	Artesian well	266	Decouville
P132	01°23'05.0"	048°18'43.6"	Artesian well	30	São Pedro
P133	01°23'06.7"	048°18'44.4"	Amazon well	10	São Pedro
P134	01°23'06.8"	048°18'49.2"	Artesian well	266	Decouville
P135	01°23'03.4"	048°18'52.0"	Artesian well	266	Decouville
P136	01°23'03.0"	048°18'50.3"	Artesian well	266	Decouville
P137	01°22'57.7"	048°18'54.8"	Artesian well	266	Decouville
P138	01°23'16.23"	048°18'44.80"	Artesian well	266	Decouville
P139	01°23'14.6"	048°18'42.4"	Artesian well	266	Decouville
P140	01°23'13.5"	048°18'42.8"	Artesian well	266	Decouville
P141	01°23'13.26"	48°18'42.12"	Artesian well	266	Decouville
P142	01°23'14.1"	048°18'46.2"	Artesian well	266	Decouville

Point	Geographical Coordinates		Source of Supply	Depth	Neighbourhood
P143	01°23'13.3"	048°18'44.3"	Artesian well	266	Decouville
P144	01°23'12.2"	048°18'43.0"	Artesian well	266	Decouville
P145	01°23'11.3"	048°18'44.9"	Artesian well	266	Decouville
P146	01°23'12.5"	048°18'46.1"	Artesian well	266	Decouville
P147	01°23'11.6"	048°18'47.2"	Artesian well	266	Decouville
P148	01°23'10.2"	048°18'45.1"	Artesian well	266	Decouville
P149	01°23'08.1"	048°18'47.2"	Artesian well	266	Decouville
P150	01°23'04.5"	048°18'51.0"	Artesian well	266	Decouville
P151	01°23'02.5"	048°18'55.0"	Artesian well	266	Decouville
P152	01°22'56.06"	048°18'57.13"	Artesian well	266	Decouville
P153	01°22'54.0"	048°18'59.4"	Artesian well	266	Decouville
P154	01°22'52.81"	048°18'58.32"	Artesian well	266	Decouville
P155	01°22'50.4"	048°18'57.7"	Artesian well	266	Decouville
P156	01°22'52.1"	048°19'00.3"	Artesian well	266	Decouville
P157	01°22'52.0"	048°19'01.9"	Artesian well	266	Decouville
P158	01°22'51.1"	048°19'01.0"	Artesian well	266	Decouville
P159	01°22'49.9"	048°19'00.5"	Artesian well	266	Decouville
P160	01°22'49.5"	048°18'59.7"	Artesian well	266	Decouville
P161	01°22'50.0"	048°19'03.6"	Artesian well	266	Decouville
P162	01°22'46.8"	048°19'02.6"	Artesian well	266	Decouville
P163	01°22'48.0"	048°19'04.0"	Artesian well	266	Decouville
P164	01°22'47.3"	048°19'05.6"	Artesian well	266	Decouville
P165	01°22'46.5"	048°19'03.6"	Artesian well	266	Decouville
P166	01°23'10.2"	048°18'40.4"	Artesian well	10	Decouville
P167	01°23'28.8"	048°18'22.9"	Artesian well	20	São Pedro
P168	01°23'28.3"	048°18'23.3"	Amazon well	6	São Pedro
P169	01°23'27.1"	048°18'24.2"	Artesian well	20	São Pedro
P170	01°23'26.6"	048°18'25.3"	Amazon well	12	São Pedro
P171	01°23'22.9"	048°18'27.0"	Amazon well	6	São Pedro
P172	01°23'14.7"	048°18'32.9"	Amazon well	6	São Pedro
P173	01°23'12.6"	048°18'35.2"	Amazon well	18	São Pedro
P174	01°23'10.2"	048°18'36.8"	Artesian well	266	São Pedro
P175	01°23'03.3"	048°18'41.1"	Artesian well	18	São Pedro
P176	01°23'1.35"	048°18'43.74"	Artesian well	12	São Pedro
P177	01°23'01.0"	048°18'45.0"	Amazon well	12	São Pedro
P178	01°22'59.4"	048°18'45.8"	Amazon well	12	São Pedro
P179	01°22'56.9"	048°18'48.0"	Artesian well	24	São Pedro
P180	01°22'53.6"	048°18'49.8"	Amazon well	12	São Pedro
P181	01°22'48.8"	048°18'52.3"	Amazon well	13	São Pedro
P182	01°22'42.3"	048°18'58.0"	Artesian well	266	São Pedro
P183	01°22'45.1"	048°18'58.0"	Artesian well	266	São Pedro
P184	01°22'49.4"	048°18'55.4"	Artesian well	266	São Pedro
P185	01°22'48.3"	048°18'54.3"	Artesian well	266	São Pedro

Note: 185 water samples were collected, however, P07 refers to an igarapé (surface water), and for this reason was excluded from this study. Totaling 184 samples of underground water from artesian and Amazon type wells.

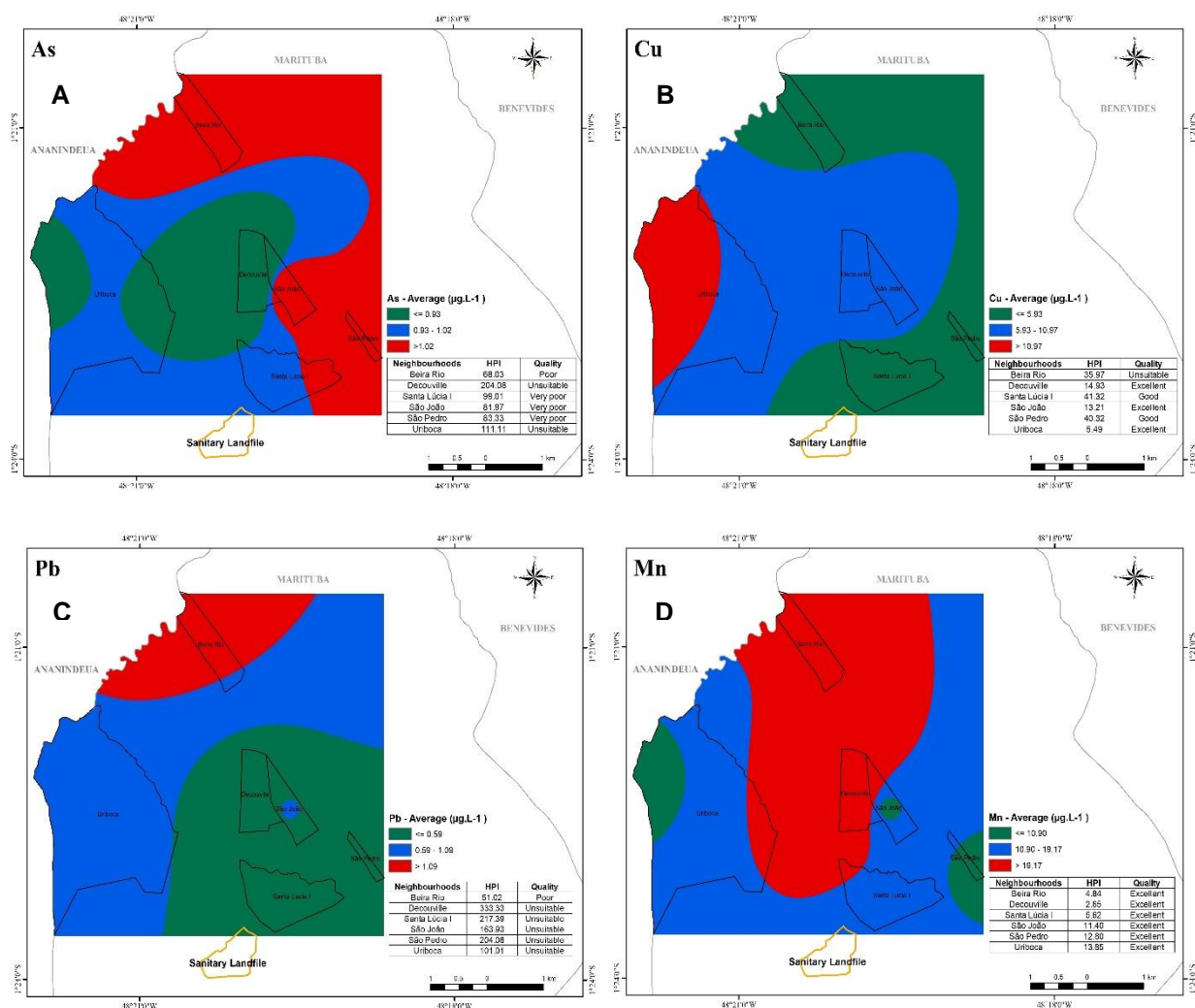


Figure S1. Spatial distribution of mean concentrations for As, Cu, Pb, and Mn and HPI classification in the neighbourhoods surrounding the landfill, Amazonia, Brazil.