

**Tabela R-1: Resultados teste cinético - teste de coluna**

ID	Tipo	Sector	Seção	Local	Área Afetada	Semana	pH	Potencial Redox
							unidade de pH	mV
<b>Res. CONAMA 357/2005 - Água Doce Classe 2</b>							<b>6 - 9</b>	<b>*</b>
<b>Dados Históricos IGAM - Percentil 95</b>								<b>*</b>
T49	Sedimento	1	0	gem de San	Dentro	1	6.94	245.2
T49	Sedimento	1	0	gem de San	Dentro	2	7.3	300.4
T49	Sedimento	1	0	gem de San	Dentro	3	6.49	237.6
T49	Sedimento	1	0	gem de San	Dentro	4	6.64	246.1
T49	Sedimento	1	0	gem de San	Dentro	5	6.44	204.3
T49	Sedimento	1	0	gem de San	Dentro	6	6.56	250.2
T49	Sedimento	1	0	gem de San	Dentro	7	6.8	218.1
T49	Sedimento	1	0	gem de San	Dentro	8	6.82	187.1
T49	Sedimento	1	0	gem de San	Dentro	9	6.74	244.5
T49	Sedimento	1	0	gem de San	Dentro	10	7.04	216.3
T49	Sedimento	1	0	gem de San	Dentro	11	7.47	220.7
T49	Sedimento	1	0	gem de San	Dentro	12	7.49	140.6
T49	Sedimento	1	0	gem de San	Dentro	13	6.79	166.2
T49	Sedimento	1	0	gem de San	Dentro	14	6.98	275.1
T49	Sedimento	1	0	gem de San	Dentro	15	7.33	258.8
T49	Sedimento	1	0	gem de San	Dentro	16	6.44	272.7
T49	Sedimento	1	0	gem de San	Dentro	17	7.26	245.1
T49	Sedimento	1	0	gem de San	Dentro	18	6.44	155
T49	Sedimento	1	0	gem de San	Dentro	19	6.99	193.3
T49	Sedimento	1	0	gem de San	Dentro	20	7.16	228.4
SD191	Sedimento	1	35	tório de Ca	Dentro	1	7.07	247.5
SD191	Sedimento	1	35	tório de Ca	Dentro	2	6.99	319.8
SD191	Sedimento	1	35	tório de Ca	Dentro	3	6.27	236.6
SD191	Sedimento	1	35	tório de Ca	Dentro	4	6.39	185.4
SD191	Sedimento	1	35	tório de Ca	Dentro	5	6.12	238.5
SD191	Sedimento	1	35	tório de Ca	Dentro	6	5.91	262.3
SD191	Sedimento	1	35	tório de Ca	Dentro	7	6.09	229.8
SD191	Sedimento	1	35	tório de Ca	Dentro	8	6.53	213.1
SD191	Sedimento	1	35	tório de Ca	Dentro	9	6.62	232.9
SD191	Sedimento	1	35	tório de Ca	Dentro	10	6.65	207.6
SD191	Sedimento	1	35	tório de Ca	Dentro	11	6.37	148.9
SD191	Sedimento	1	35	tório de Ca	Dentro	12	6.71	180.3
SD191	Sedimento	1	35	tório de Ca	Dentro	13	5.86	226.6
SD191	Sedimento	1	35	tório de Ca	Dentro	14	5.95	274.9

SD191	Sedimento	1	35	atório de Ca	Dentro	15	6.2	283.7
SD191	Sedimento	1	35	atório de Ca	Dentro	16	6.14	272.9
SD191	Sedimento	1	35	atório de Ca	Dentro	17	6.45	263.5
SD191	Sedimento	1	35	atório de Ca	Dentro	18	5.52	190
SD191	Sedimento	1	35	atório de Ca	Dentro	19	6.59	261.8
SD191	Sedimento	1	35	atório de Ca	Dentro	20	7.08	229.3
T146	Solo	1	-5	agem de Fu	Dentro	1	6.35	280.4
T146	Solo	1	-5	agem de Fu	Dentro	2	6.19	306.1
T146	Solo	1	-5	agem de Fu	Dentro	3	5.68	278.4
T146	Solo	1	-5	agem de Fu	Dentro	4	5.72	321.1
T146	Solo	1	-5	agem de Fu	Dentro	5	5.98	257
T146	Solo	1	-5	agem de Fu	Dentro	6	5.92	265
T146	Solo	1	-5	agem de Fu	Dentro	7	5.66	249.9
T146	Solo	1	-5	agem de Fu	Dentro	8	6.15	264.1
T146	Solo	1	-5	agem de Fu	Dentro	9	6.13	266.9
T146	Solo	1	-5	agem de Fu	Dentro	10	6.16	245.4
T146	Solo	1	-5	agem de Fu	Dentro	11	6.24	244.4
T146	Solo	1	-5	agem de Fu	Dentro	12	6.62	253.3
T146	Solo	1	-5	agem de Fu	Dentro	13	6.24	178.9
T146	Solo	1	-5	agem de Fu	Dentro	14	5.85	273.7
T146	Solo	1	-5	agem de Fu	Dentro	15	5.99	296.1
T146	Solo	1	-5	agem de Fu	Dentro	16	5.63	299.7
T146	Solo	1	-5	agem de Fu	Dentro	17	6.01	245.1
T146	Solo	1	-5	agem de Fu	Dentro	18	5.4	190
T146	Solo	1	-5	agem de Fu	Dentro	19	5.95	247.8
T146	Solo	1	-5	agem de Fu	Dentro	20	6.43	272.8
T29	Solo	1	26	Barra Longa	Dentro	1	7.18	266.1
T29	Solo	1	26	Barra Longa	Dentro	2	7.35	272.1
T29	Solo	1	26	Barra Longa	Dentro	3	6.66	244.5
T29	Solo	1	26	Barra Longa	Dentro	4	6.36	250.8
T29	Solo	1	26	Barra Longa	Dentro	5	6.3	232.6
T29	Solo	1	26	Barra Longa	Dentro	6	6.48	254.8
T29	Solo	1	26	Barra Longa	Dentro	7	6.44	221.6
T29	Solo	1	26	Barra Longa	Dentro	8	6.92	197.3
T29	Solo	1	26	Barra Longa	Dentro	9	6.68	245.1
T29	Solo	1	26	Barra Longa	Dentro	10	6.91	223.9
T29	Solo	1	26	Barra Longa	Dentro	11	6.76	228.8
T29	Solo	1	26	Barra Longa	Dentro	12	7.3	234.7
T29	Solo	1	26	Barra Longa	Dentro	13	6.47	172.2
T29	Solo	1	26	Barra Longa	Dentro	14	6.61	254.9
T29	Solo	1	26	Barra Longa	Dentro	15	6.71	267.1
T29	Solo	1	26	Barra Longa	Dentro	16	6.05	270.8
T29	Solo	1	26	Barra Longa	Dentro	17	6.5	229.3
T29	Solo	1	26	Barra Longa	Dentro	18	5.75	204
T29	Solo	1	26	Barra Longa	Dentro	19	6.42	255.3
T29	Solo	1	26	Barra Longa	Dentro	20	6.76	247.6
S01	Solo	1	1	Encosta	Fora	1	5.68	375.2
S01	Solo	1	1	Encosta	Fora	2	5.72	472
S01	Solo	1	1	Encosta	Fora	3	4.97	323.5
S01	Solo	1	1	Encosta	Fora	4	5.24	409.6

S01	Solo	1	1	Encosta	Fora	5	5.14	287.1
S01	Solo	1	1	Encosta	Fora	6	5.36	303.5
S01	Solo	1	1	Encosta	Fora	7	5.27	314.8
S01	Solo	1	1	Encosta	Fora	8	5.6	280.6
S01	Solo	1	1	Encosta	Fora	9	4.88	340.2
S01	Solo	1	1	Encosta	Fora	10	5.81	373.8
S01	Solo	1	1	Encosta	Fora	11	5.79	419.2
S01	Solo	1	1	Encosta	Fora	12	5.34	332.6
S01	Solo	1	1	Encosta	Fora	13	5.27	174.3
S01	Solo	1	1	Encosta	Fora	14	5.51	302.3
S01	Solo	1	1	Encosta	Fora	15	5.41	331.2
S01	Solo	1	1	Encosta	Fora	16	4.98	396.9
S01	Solo	1	1	Encosta	Fora	17	6.78	232.3
S01	Solo	1	1	Encosta	Fora	18	5.26	184
S01	Solo	1	1	Encosta	Fora	19	5.47	276.8
S01	Solo	1	1	Encosta	Fora	20	6.65	301.8

Condutividade Elétrica	Alcalinidade de Total	Sólidos Dissolvidos Totais	Cloreto	Fluoreto	Nitrato (N)	Nitrito (N)	Sulfato	Alumínio Dissolvido
µS/cm	mg CaCO <sub>3</sub> /L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
*	*	500	250	1.4	10	1.0	250	0.1
<b>87</b>	<b>22</b>	<b>84</b>	<b>6.5</b>	<b>*</b>	<b>1.0</b>	<b>0.0013</b>	<b>6.7</b>	<b>0.19</b>
35.7	10.4	27	1.4	<0.05	<0.02	<0.02	2.98	<0.05
29.5	8.3	19.5	1.03	0.21	<0.02	<0.02	5.15	<0.05
9.02	<6	<11	<1	<0.05	<0.02	<0.02	1.97	<0.05
17.5	6.8	15	<1	0.18	<0.02	<0.02	2.75	<0.05
9.56	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
16.1	7.1	11	<1	<0.05	<0.02	<0.02	<1	<0.05
20.4	10.7	12	<1	0.16	<0.02	0.04	<1	<0.05
14.4	8	14	<1	<0.05	<0.02	<0.02	<1	<0.05
10.8	6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
9.74	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
9.08	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
8.81	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
8.18	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
6.99	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
5.84	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
6.97	<6	<11	<1	0.16	<0.02	<0.02	<1	<0.05
7.04	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
6.9	<6	<11	<1	0.11	<0.02	<0.02	<1	<0.05
8.06	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
8.54	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
29.9	11.9	23	<1	0.23	<0.02	<0.02	1.19	<0.05
24.8	11.9	16	<1	<0.05	<0.02	<0.02	1.36	<0.05
5.3	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.82	<6	<11	<1	0.17	<0.02	<0.02	<1	<0.05
8.41	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.65	<6	<11	<1	<0.05	0.08	<0.02	<1	<0.05
2.48	<6	<11	<1	0.19	<0.02	<0.02	<1	<0.05
3.47	<6	<11	<1	0.16	<0.02	<0.02	<1	<0.05
7.68	<6	<11	<1	0.39	<0.02	<0.02	<1	<0.05
3.02	<6	<11	<1	0.29	<0.02	<0.02	<1	<0.05
5.76	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
5.22	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.19	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.09	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05

1.92	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.2	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.02	<6	<11	<1	0.15	<0.02	<0.02	<1	<0.05
4.4	<6	<11	<1	0.08	<0.02	<0.02	<1	<0.05
2.16	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.05	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.84	<6	<11	<1	0.06	<0.02	<0.02	<1	<0.05
5.71	<6	<11	<1	0.24	<0.02	<0.02	1.78	<0.05
2.4	<6	<11	<1	<0.05	<0.02	<0.02	1.55	<0.05
3.3	<6	<11	<1	0.17	<0.02	<0.02	1.18	<0.05
3.51	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
8.14	<6	<11	<1	<0.05	0.11	<0.02	6.6	<0.05
3.93	<6	<11	<1	0.2	0.04	0.04	<1	<0.05
1.02	<6	<11	<1	0.16	<0.02	<0.02	<1	<0.05
6.4	<6	<11	<1	<0.05	<0.02	<0.02	1.16	<0.05
4.16	<6	<11	<1	0.29	<0.02	<0.02	<1	<0.05
5.28	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.28	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.2	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.08	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
1.72	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.33	<6	<11	<1	0.15	<0.02	<0.02	<1	<0.05
2.35	<6	<11	<1	0.12	<0.02	<0.02	<1	<0.05
2.29	<6	<11	<1	0.07	<0.02	<0.02	<1	<0.05
3.65	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.84	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
98.6	19.6	59	2.19	0.19	0.17	0.04	12.4	<0.05
16	8.2	<11	<1	0.44	<0.02	<0.02	1.43	<0.05
11	6.3	<11	<1	<0.05	<0.02	<0.02	1.4	<0.05
5.8	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
9.67	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
7.66	<6	<11	<1	<0.05	0.1	<0.02	<1	<0.05
6.53	<6	<11	<1	0.22	<0.02	<0.02	<1	<0.05
5.57	<6	<11	<1	0.19	<0.02	<0.02	<1	<0.05
12.2	6.4	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
6.83	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
5.38	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
9.42	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.13	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
3.32	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
2.59	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
5.75	<6	<11	<1	0.15	<0.02	<0.02	<1	<0.05
2.6	<6	<11	<1	0.12	<0.02	<0.02	<1	<0.05
2	<6	<11	<1	0.09	<0.02	<0.02	<1	<0.05
3.21	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
3.27	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
36.4	<6	30	<1	0.07	1.35	0.24	2.87	<0.05
13.1	<6	<11	<1	0.26	<0.02	<0.02	4.81	<0.05
9.84	<6	<11	<1	<0.05	<0.02	<0.02	3.38	<0.05
6.77	<6	<11	<1	0.2	<0.02	<0.02	2.48	<0.05

8.15	<6	<11	<1	<0.05	<0.02	<0.02	1.1	<0.05
9.08	<6	<11	<1	<0.05	0.08	<0.02	1.15	<0.05
6.57	<6	<11	<1	0.19	<0.02	<0.02	1.64	<0.05
6.65	<6	<11	<1	0.15	<0.02	<0.02	1.37	<0.05
9.81	<6	<11	<1	<0.05	<0.02	<0.02	1.42	<0.05
5.68	<6	<11	<1	<0.05	<0.02	<0.02	1.36	<0.05
6.78	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
6.11	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.32	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
5.14	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
5.41	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
8.16	<6	<11	<1	<0.05	0.21	<0.02	1.34	<0.05
5.86	<6	<11	<1	0.11	<0.02	<0.02	1.09	<0.05
5.49	<6	<11	<1	0.08	<0.02	<0.02	1.05	<0.05
5.2	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05
4.21	<6	<11	<1	<0.05	<0.02	<0.02	<1	<0.05

<b>Antimônio o Dissolvido</b>	<b>Arsênio Dissolvido</b>	<b>Bário Dissolvido</b>	<b>Berílio Dissolvido</b>	<b>Boro Dissolvido</b>	<b>Cádmio Dissolvido</b>	<b>Cálcio Dissolvido</b>	<b>Chumbo Dissolvido</b>	<b>Cobalto Dissolvido</b>
<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
<b>0.005</b>	<b>0.01</b>	<b>0.7</b>	<b>0.04</b>	<b>0.5</b>	<b>0.001</b>	<b>*</b>	<b>0.01</b>	<b>0.05</b>
<b>*</b>	<b>0.0072</b>	<b>0.2</b>	<b>*</b>	<b>0.07</b>	<b>0.0005</b>	<b>5.7</b>	<b>0.02</b>	<b>*</b>
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	1.98	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.92	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.36	<0.01	0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	1.04	<0.01	<0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	1.17	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	1.68	<0.01	<0.01
<0.005	<0.004	0.03	<0.004	<0.2	<0.001	3.08	<0.01	<0.01
<0.005	<0.004	0.03	<0.004	<0.2	<0.001	2.63	<0.01	<0.01
<0.005	<0.004	0.02	<0.004	<0.2	<0.001	1.74	<0.01	<0.01
<0.005	<0.004	0.02	<0.004	<0.2	0.001	1.62	<0.01	<0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	0.93	<0.01	<0.01
<0.005	<0.004	0.02	<0.004	<0.2	<0.001	1.49	<0.01	<0.01
<0.005	<0.004	0.02	<0.004	<0.2	<0.001	1.41	<0.01	<0.01
<0.005	<0.004	0.02	<0.004	<0.2	<0.001	1.19	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.66	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.5	<0.01	<0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	0.97	<0.01	<0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	1.24	<0.01	<0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	1.09	<0.01	<0.01
<0.005	<0.004	0.04	<0.004	<0.2	<0.001	1.37	<0.01	<0.01
<0.005	<0.004	0.03	<0.004	<0.2	<0.001	2.25	<0.01	<0.01
<0.005	<0.004	0.02	<0.004	<0.2	<0.001	2.07	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.3	<0.01	0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.51	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.53	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	<0.25	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	<0.25	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.27	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	0.001	0.86	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	0.25	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	<0.25	<0.01	<0.01
<0.005	<0.004	0.01	<0.004	<0.2	<0.001	0.58	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	<0.25	<0.01	<0.01
<0.005	<0.004	<0.01	<0.004	<0.2	<0.001	<0.25	<0.01	<0.01











<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.68	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.8	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.4	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.54	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.41	<0.0002	<0.01
0.01	<0.01	<0.1	<0.02	<0.1	<0.25	0.42	<0.0002	<0.01
<0.009	0.01	<0.1	<0.02	<0.1	<0.25	0.31	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.35	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.19	<0.0002	0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.16	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.11	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.13	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.13	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.1	<0.0002	<0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.1	<0.0002	0.01
<0.009	<0.01	<0.1	<0.02	<0.1	<0.25	0.18	<0.0002	<0.01













