CHE-T-6

Results of Elution Experiment

Period of Experiment: 1st 5-26, March 1999
: 2nd 6-27, August 1999

Period of Experiment: 1st - 5-26, March 1999

LABORATÓRIO DE HIDROQUÍMICA - FURG
MAR DE DENTRO (JICA - SCP/RS)
TESTE DE ELUIÇÃO DOS SEDIMENTOS

Data		O2 % % sat.	O2 mg/l Oximetro	Fator	O2 mg/l Corrigido	pH	Amonio mg/l	Fosfato mg/l	Nitrato mg/l	DQO mg O2/l
05/03/99	T1	14,3	0,81	1,52	1,233	5,76	0,0000	0,0000	0,0128	45,50
08/03/99	T1	27,9	2,41	1,52	3,667	6,97	0,0000	0,0000	0,0214	36,50
10/03/99	T1	4,1	0,30	1,52	0,457	7,07	0,0672	0,0010	0,1982	38,00
12/03/99	T1	7,4	0,65	1,52	0,989	7,06	0,0887	0,0022	0,0186	37,00
14/03/99	T1	3,7	0,28	1,52	0,426	7,30	0,0000	0,0064	0,0183	26,50
16/03/99	T1	10,7	0,92	1,52	1,400	7,13	0,1325	0,0019	0,0202	29,50
18/03/99	T1	20,0	1,77	1,52	2,693	7,29	0,1185	0,0109	0,0266	36,50
20/03/99	T1	33,8	2,58	1,52	3,926	7,29	0,2875	0,0118	0,0442	27,00
22/03/99	T1	34,8	2,07	1,52	3,150	7,18	0,0000	0,0042	0,0337	28,50
24/03/99	T1	10,3	0,94	1,52	1,430	7,11	0,0000	0,0013	0,0733	33,00
26/03/99	T1	41,4	3,52	1,52	5,357	7,41	0,1568	0,0150	0,1063	29,50
05/03/99	T2	14,3	1,21	1,65	1,996	5,78	0,0000	0,0121	0,0124	27,50
08/03/99	T2	20,0	0,80	1,65	1,320	7,29	0,0000	0,0026	0,0135	27,00
10/03/99	T2	3,8	0,32	1,65	0,528	7,18	0,0000	0,0032	0,0212	56,50
12/03/99	T2	8,5	0,72	1,65	1,188	7,37	0,0000	0,0054	0,0000	70,50
14/03/99	T2	17,6	1,50	1,65	2,475	7,61	1,0071	0,0000	0,0183	45,00
16/03/99	T2	19,1	1,65	1,65	2,722	7,26	2,7879	0,0045	0,0399	39,00
18/03/99	T2	22,1	1,98	1,65	3,266	7,69	1,1191	0,0032	0,1698	19,00
20/03/99	T2	16,8	1,53	1,65	2,524	7,69	0,0000	0,0016	0,4504	8,00
22/03/99	T2	25,5	1,97	1,65	3,250	7,44	0,2763	0,0042	0,7627	13,50
24/03/99	T2	37,1	2,16	1,65	3,563	7,37	0,0000	0,0019	0,8348	7,00
26/03/99	T2	42,4	3,71	1,65	6,121	7,51	0,0607	0,0054	0,8124	10,50
05/03/99	T3	16,7	1,21	1,70	2,060	5,60	0,0000	0,0105	0,0355	3,50
08/03/99	T3	11,5	0,84	1,70	1,430	7,09	0,0345	0,0198	0,0605	5,50
10/03/99	T3	14,3	1,24	1,70	2,111	7,32	0,0000	0,0291	0,0360	15,50
12/03/99	T3	9,3	0,73	1,70	1,243	7,40	1,4392	0,0246	0,0319	8,50
14/03/99	T3	15,4	1,30	1,70	2,214	7,47	1,8872	0,0361	0,0325	14,50
16/03/99	T3	17,3	1,47	1,70	2,503	7,27	1,7612	0,0569	0,0383	13,50
18/03/99	T3	16,2	1,42	1,70	2,418	7,68	1,9712	0,0652	0,0404	10,50
20/03/99	T3	24,5	2,01	1,70	3,422	7,68	1,9152	0,0540	0,0315	1,00
22/03/99	T3	20,5	1,85	1,70	3,150	7,54	2,2512	0,0518	0,1065	0,00
24/03/99	T3	25,8	2,01	1,70	3,422	7,51	2,1812	0,0572	0,0000	8,50
26/03/99	T3	47,6	4,19	1,70	7,134	7,47	0,0000	0,0527	0,3640	12,50
05/03/99	T4	8,0	0,75	1,68	1,264	6,53	0,0971	0,0147	0,0573	16,50
08/03/99	T4	8,4	1,65	1,68	2,780	7,44	0,5787	0,0061	0,0355	14,00
10/03/99	T4	3,2	0,28	1,68	0,472	7,70	0,0000	0,0345	0,0603	20,00
12/03/99	T4	10,1	0,88	1,68	1,483	7,56	0,9772	0,0566	0,0331	36,50
14/03/99	T4	19,4	1,69	1,68	2,847	7,95	1,5839	0,0825	0,0461	30,00
16/03/99	T4	14,9	1,29	1,68	2,173	7,95	1,5325	0,1090	0,0599	14,00
18/03/99	T4	20,3	1,26	1,68	2,123	8,04	2,1299	0,1723	0,0831	10,00
20/03/99	T4	25,3	2,45	1,68	4,128	8,04	2,0179	0,1064	0,1657	16,00
22/03/99	T4	25,9	1,84	1,68	3,100	7,91	2,0972	0,1112	0,2627	15,50
24/03/99	T4	11,9	0,58	1,68	0,977	7,90	1,3739	0,1083	0,9459	26,00
26/03/99	T4	37,5	3,32	1,68	5,593	7,41	2,0925	0,1144	0,7958	14,50
05/03/99	T5	15,7	1,18	1,63	1,925	7,02	0,0000	0,0064	0,0558	9,00
08/03/99	T5	17,3	1,71	1,63	2,790	7,50	0,8895	0,0010	0,0298	19,50
10/03/99	T5	4,6	0,38	1,63	0,620	7,67	1,4205	0,0045	0,0638	17,00
12/03/99	T5	11,3	1,04	1,63	1,697	7,49	1,6772	0,0032	0,1416	34,50
14/03/99	T5	8,3	1,43	1,63	2,333	7,85	1,9712	0,0099	0,0447	58,50
16/03/99	T5	10,0	0,87	1,63	1,419	7,97	1,9339	0,0182	0,0523	20,00
18/03/99	T5	26,9	2,41	1,63	3,932	7,98	1,5325	0,0236	0,0354	20,00
20/03/99	T5	28,5	2,00	1,63	3,263	7,98	2,4799	0,0278	0,0799	59,50
22/03/99	T5	18,3	1,90	1,63	3,100	7,82	1,5419	0,0387	0,1126	20,50
24/03/99	T5	13,6	1,19	1,63	1,942	7,71	2,4705	0,0492	0,1478	60,50
26/03/99	T5	41,6	3,61	1,63	5,890	7,40	2,7272	0,0406	0,4736	37,00

Period of Experiment: 2nd - 6-27, August 1999

LABORATÓRIO DE HIDROQUIMICA - FURG
MAR DE DENTRO (JICA - SCP/RS)
TESTE DE ELUIÇÃO DOS SEDIMENTOS
Temperatura de Incubação 21 °C

Data		Oxímetro % sat.	pH	amônio uM	NH4 mg/l	fosfato uM	PO4 mg/l	nitrato uM	NO3 mg/l	DQO mg O2/l
6/08/99	T1	75,0	7,00	4,074	0,057	0,3923	0,0122	9,86	0,138	13
8/08/99	T1	81,0	6,20	6,759	0,095	0,4121	0,0128	4,32	0,060	3
10/08/99	T1	81,3	6,20	5,463	0,076	0,6095	0,0189	21,17	0,296	3
12/08/99	T1	84,7	6,90	6,667	0,093	0,3627	0,0112	9,38	0,131	15
14/08/99	T1	82,8	6,40	6,389	0,089	0,5207	0,0161	10,49	0,147	3
16/08/99	T1	82,7	6,80	5,278	0,074	0,3627	0,0112	14,00	0,196	3
18/08/99	T1	81,1	6,80	5,000	0,070	0,4121	0,0128	15,37	0,215	13
20/08/99	T1	80,0	6,70	4,815	0,067	0,5009	0,0155	24,82	0,347	19
23/08/99	T1	81,0	7,10	5,556	0,078	0,4713	0,0146	23,87	0,334	13
25/08/99	T1	81,2	6,80	6,111	0,086	1,4290	0,0443	7,46	0,104	13
27/08/99	T1	81,2	6,80	6,389	0,089	0,6194	0,0192	21,27	0,298	73
6/08/99	T2	77,0	7,00	3,241	0,045	1,1130	0,0345	18,11	0,254	39
8/08/99	T2	82,7	6,50	10,833	0,152	0,6293	0,0195	10,51	0,147	33
10/08/99	T2	83,5	6,9	6,667	0,093	0,8070	0,0250	18,13	0,254	27
12/08/99	T2	80,5	6,9	7,037	0,099	1,1525	0,0357	14,48	0,203	27
14/08/99	T2	81,5	6,7	5,556	0,078	0,7576	0,0235	16,85	0,236	29
16/08/99	T2	81,7	6,8	280,000	3,920	1,2019	0,0373	20,91	0,293	119
18/08/99	T2	78	7,1	114,444	1,602	1,4290	0,0443	20,16	0,282	41
20/08/99	T2	78,2	7,3	2,870	0,040	1,5474	0,0480	26,93	0,377	37
23/08/99	T2	79,2	7	30,833	0,432	1,2611	0,0391	25,00	0,350	33
25/08/99	T2	80	7,5	5,000	0,070	1,7054	0,0529	28,47	0,399	31
27/08/99	T2	81	6,9	9,444	0,132	1,6239	0,0565	10,30	0,144	33
6/08/99	T3	77	7,3	18,796	0,263	1,0439	0,0324	12,58	0,176	183
8/08/99	T3	81,4	7	28,148	0,394	2,0115	0,0624	25,17	0,352	67
10/08/99	T3	80,8	7,4	64,630	0,905	1,8140	0,0562	18,54	0,260	27
12/08/99	T3	80,2	7,1	71,667	1,003	2,5051	0,0777	49,42	0,692	27
14/08/99	T3	83,9	7,5	81,667	1,143			51,98	0,728	9
16/08/99	T3	83,9	7,4	28,981	0,406	2,0115	0,0624	57,19	0,801	23
18/08/99	T3	82	7,4	27,222	0,381	2,0707	0,0642	59,63	0,835	17
20/08/99	T3	80,7	7,7	33,704	0,472	2,9691	0,0920	27,12	0,380	27
23/08/99	T3	81	7,3	5,741	0,080	3,0283	0,0939	37,15	0,520	33
25/08/99	T3	82	7,8	6,574	0,092			61,13	0,856	27
27/08/99	T3	81,5	7,3	8,241	0,115	2,9888	0,0927	57,34	0,803	23
6/08/99	T4	78	7,2	11,667	0,163	0,9847	0,0305	2,35	0,033	
8/08/99	T4	76,3	7,7	128,148	1,794	1,0242	0,0317	2,52	0,035	3
10/08/99	T4	80,5	7,7	116,111	1,626	3,6009	0,1116	5,16	0,072	15
12/08/99	T4	80,5	8	203,611	2,851	1,5672	0,0486	8,44	0,118	
14/08/99	T4	*66	7,5	93,889	1,314	1,5079	0,0467	54,49	0,763	3
16/08/99	T4	80,9	8	168,426	2,358	1,9423	0,0602	73,02	1,022	3
18/08/99	T4	80,7	8	71,667	1,003	3,5615	0,1104	20,20	0,283	3
20/08/99	T4	79,4	8	111,019	1,554	2,2385	0,0694	90,09	1,261	3
23/08/99	T4	82,7	8,1	165,185	2,313	2,4458	0,0758	28,77	0,403	3
25/08/99	T4	83	7,9	5,926	0,083	3,0481	0,0945	50,12	0,702	
27/08/99	T4	82	7,9	5,093	0,071	3,3837	0,1049	34,84	0,488	3
6/08/99	T5	79	6,8	29,815	0,417	3,0382	0,0942	34,02	0,476	27
8/08/99	T5	77,3	6,7	31,019	0,434	2,8602	0,0893	19,09	0,267	61
10/08/99	T5	79,5	6,7	40,463	0,566	2,5939	0,0804	15,97	0,224	13
12/08/99	T5	79,7	6,9	40,833	0,572	2,3076	0,0715	23,75	0,332	19
14/08/99	T5	80,9	6,6	23,611	0,331	2,7322	0,0847	11,27	0,158	19
16/08/99	T5	80,5	7	148,981	2,086	2,0411	0,0633	25,65	0,359	19
18/08/99	T5	79,9	7	58,333	0,817	2,2583	0,0700	11,03	0,154	13
20/08/99	T5	79	7	203,148	2,844	2,8605	0,0887	17,03	0,238	27
23/08/99	T5	79,8	7	4,074	0,057	2,7716	0,0859	30,32	0,424	15
25/08/99	T5	80	6,9	7,037	0,099	2,8901	0,0896	40,77	0,571	31
27/08/99	T5	80	6,9	8,241	0,115	2,8605	0,0887	33,60	0,470	21

CHE-T-7

Results of Sedimentation Experiment

Period: 1st February 28 – April 10, 1999
Period: 2nd August 2 – 25, 1999

LABORATÓRIO DE HIDROQUÍMICA - FURG **Period: 1st - February 28 – April 10, 1999**
MAR DE DENTRO (JICA - SCP/RS)
RESULTADOS DE ANÁLISES DE MATERIAL OBTIDO NOS TRAPEADORES DE SEDIMENTOS EM SUSPENSÃO

	Prof	[amonio] uM	NH4 mg/l	[Nitrato] uM	NO3 mg/l	N - Total mg/l	[fosfato] uM	PO4 mg/l	P Total mg/l	SS Suspensos mg/l	ST Totais mg/l	SV Voláteis mg/l	SF Fixos mg/l
T1	2 m	34,35065	0,480909	4,015841	0,056222	39,5	0,433069	0,013425	25,69	5605,5	9200	1302	4793,5
T2	S	93,8961	1,314545	0,833854	0,011674	38	0,54198	0,016801	23,15	5283	8525	1022	4646,5
T2	F	52,5974	0,736364	0,864787	0,012107	70	1,116238	0,034603	27,23	11568	18200	3616	8336,5

OBSERVAÇÃO:
Aproximadamente 1,2 gramas de cada amostra foram passadas ao Prof. Paulo Baisch para análise do Carbono Total

LABORATÓRIO DE HIDROQUÍMICA - FURG
MAR DE DENTRO (JICA - SCP/RS)

Period: 2nd - August 2 - 25, 1999

RESULTADOS DE ANÁLISES DE MATERIAL OBTIDO NOS TRAPEADORES DE SEDIMENTOS EM SUSPENSÃO

	Prof	[amonio] uM	NH4 mg/l	[fosfato] uM	PO4 mg/l	[Nitrato] uM	NO3 mg/l	SS Suspensão mg/l	ST Totais mg/l	SV Voláteis mg/l	SF Fixos mg/l	P total mg/l	N total mg/l
T1	S	9,16	0,128	1,178	0,037	2,481	0,035	1737	3075	212	1525	1,74	
T2	S	14,03	0,196	1,307	0,041	2,389	0,033	7056	18275	643	6631	6,10	
T3	S	14,68	0,205	1,267	0,039	0,813	0,011	11486	24975	961	10699	6,09	
T4	S	8,70	0,122	1,178	0,037	0,827	0,012	5253	13800	491	4762	1,93	
T4	F	14,29	0,200	0,950	0,029	0,796	0,011	5762	17875	523	5238	2,29	
T5	S	7792,21	109,091	1,050	0,033	0,813	0,011	534500	400720	34667	678000	100,85	
T5	F	4935,06	69,091	1,505	0,047	0,813	0,011	265500	598000	31000	234500	216,06	

CHE-T-8

Analytical Results of Water Quality Monitoring in Mirim Lake

ANALYTICAL RESULT OF WATER QUALITY MONITORING IN MIRIM LAKE

CROSS SECTION 1- FRONT OF ITAIM

Period	1997/12/14	1998/5/2			1998/10/6		
Station	US	US	M	BS	US	M	BS
Parameter							
pH	6	6.1	6.2	6.4	5.98	6.1	6.17
T. Alcalinity	37.28	30.31	30.29	33.05	24.69	25.69	26.2
Hardness	31.76	26.73	30.69	29.7	21.94	22.94	23.94
Ca	8.73	7.52	9.11	8.91	5.19	6.38	7.18
Mg	2.38	1.9	1.9	1.78	2.15	1.68	1.44
TP	0.065	0.095	0.095	0.1	0.052	0.072	0.059
N.Keldhal	1.11		1.18	1.25		1.13	0.99
NO3-N	0.23	0.33	0.29	0.28	0.71	0.56	0.45
DO	7.54	8.9	8.6	9	9.33	9.33	9.53
BOD	1.9	2.1	2.3	1	2.18	2.48	2.38
COD Mn.	6.53				6.85	6.7	6.14
COD Cr.		8.04	7.54	7.34			
Salinity %	0	0	0	0	0	0	0
Cond.ms/cm	0.125	0.089	0.1	0.1	0.073	0.074	0.079
Turb.NTU	62	75	115	95	37	42	38
CL	17.35	8.4	13.75	14.11	5.19	7.45	8.51
T.S	175	206	265	278	177	181	182
F.T.S.	124	145	193	207	95	91	94
V.T.S	51	61	72	71	82	90	88
S.S.	51	99	138	128	58	57	64
W.T.oC	23.3	18.4	18.4	18.4	19.5	19.3	19.2
Na					6	6.4	6.6
K					2	2	2
Fe					0.55	0.52	0.49

OBS: US= Uruguay side , M= Middle aBS=Brasil side

All parameters , except Salinity Conductibity and turbidity, are expresessed in mg/l

Space without represents no analytical result.

CROSS SECTION 2 - FRONT OF RIO TAQUARI

period	1997/12/15			1998/5/3			1998/10/7		
Station	US	M	BS	US	M	BS	US	M	BS
Parameter									
pH	8	7.68	7.5	7.22	7.24	7.31	7.28	7.56	7.62
T. Alcalinity	33.8	34.79	36.28	27.83	26.84	28.83	26.7	27.71	24.69
Hardness	30.77	30.77	32.26	17.82	21.29	24.75	23.94	22.94	22.94
Ca	8.34	8.14	8.54	4.75	5.94	7.13	7.18	7.18	9.18
Mg	2.38	2.5	2.62	1.42	1.54	1.66	1.44	1.2	1.2
TP	0.065	0.065	0.062	0.046	0.049	0.055	0.052	0.042	0.052
N.Keldhal	1.53	1.39	1.25	0.76	1.11	0.9	0.85	0.99	0.85
NO3-N	0.2	0.24	0.26	0.4	0.38	0.36	0.58	0.52	0.52
DO	7.83	7.94	7.64	8.7	8.4	8.6	8.73	9.13	9.13
BOD	2.2	2.62	2.01	1.2	1.2	0.8	2.48	1.39	1.29
COD Mn.	7.82	7.96	7.86				6.5	6.65	6.45
COD Cr.	11.18	10.92	10.14	7.74	8.04	6.93			
Salinity %	0	0	0	0	0	0	0	0	0
Cond.ms/cm	0.108	0.103	0.101	0.05	0.061	0.074	0.074	0.074	0.074
Turb.NTU	55	49	40	25	38	13	19	18	24
CL	12.39	11.68	13.1	5.36	7.14	7.5	6.38	24	6.74
T.S	156	161	151	123	152	142	126	128	139
F.T.S.	96	92	90	61	96	76	79	81	92
V.T.S	60	69	61	97	56	66	47	47	47
S.S.	34	60	55	26	52	22	35	33	42
W.T.oC	24.1	24	24	19.1	19	19	21.3	21.3	21.4
Na						6	6.4	6.4	6.4
K						1.8	1.8	2	2
Fe						0.43	0.37	0.49	0.49

OBS : US= Uruguay side , M= Middle area , BS= Brasil side

All parameters , except Salinity, Conductibity and turbidity, are expressed in mg/l

Space without any number represents no analytical determination result.

CROSS SECTION 3- BETWEEN PONTA QUIROGA AND PONTACANOA

Period	1997/12/15			1998/5/4			1998/10/9		
Station	US	M	BS	US	M	BS	US	M	BS
Parameter									
pH	7.6	7.7	7.09	6.21	6.35	6.55	7.52	7.59	7.66
T. Alcalinity	34.79	35.29	37.77	31.81	23.11	28.58	27.71	29.22	30.23
Hardness	32.76	32.26	35.73	22.77	21.29	23.76	24.94	25.94	26.93
Ca	8.73	8.34	8.73	6.73	5.94	6.34	7.58	8.38	7.18
Mg	2.26	2.74	3.33	1.42	1.54	1.9	1.44	1.2	2.15
TP	0.059	0.062	0.062	0.052	0.059	0.049	0.052	0.049	0.072
N.Keldhal	0.76	0.83	0.9	0.97	1.11	0.97	0.85	0.99	0.99
NO3-N	0.31	0.27	0.25	0.33	0.27	0.29	0.44	0.39	0.37
DO	7.84	8.24	7.94	8.2	8.7	8.6	9.13	8.93	9.13
BOD	1.81	3.42	2.92	1.2	1.4	1.2	1.39	2.28	1.59
COD Mn.	10.34	11.64	11.24				6.95	6.75	6.95
COD Cr.	13.12	13.65	15.24	10.45	10.15	7.64			
Salinity %	0	0	0	0	0	0	0	0	0
Cond.ms/cm	0.118	0.107	0.112	0.062	0.051	0.073	0.077	0.078	0.084
Turb.NTU	68	76	65	14	23	37	18	18	18
CL	12.04	11.68	13.46	5.36	5	7.86	6.74	7.09	8.16
T.S	196	244	205	145	149	160	163	176	162
F.T.S.	110	161	124	103	92	104	103	113	107
V.T.S	86	83	81	42	57	56	60	63	55
S.S.	68	87	79	51	64	52	58	68	56
W.T.oC	22.8	23.3	24.1	17.3	17.2	17.2	20.5	20.5	20.6
Na							6	6.8	7.8
K							1.6	1.8	1.8
Fe							0.69	0.61	0.64

OBS : US= Uruguay side , M=Middle area, BS= Brasil side

All parameters , except Salinity, Conductibity and turbidity, are expressed in mg/l

Space without any number represents no analytical determination result.

CROSS SECTION 4 - FRONT OF PONTA MAGRO

Period	1997/12/16			1998/5/6			1998/10/12		
Station	US	M	BS	US	M	BS	US	M	BS
Parameter									
pH	8.1	7.8	7.9	6.2	6.5	6.73	7.55	7.5	7.45
T. Alcalinity	41	36.28	37.77	26.34	30.32	35.29	33.25	31.74	28.21
Hardness	35.73	33.75	36.23	21.29	25.25	28.71	31.08	29.07	24.06
Ca	10.72	10.52	11.51	6.73	8.32	10.3	9.22	8.42	7.22
Mg	2.74	1.79	1.79	1.07	1.07	0.71	1.92	1.92	1.44
TP	0.085	0.088	0.078	0.049	0.046	0.039	0.059	0.062	0.052
N.Keldhal	1.81	1.53	1.39	0.56	0.83	0.9	0.99	0.85	0.99
NO3-N	0.25	0.42	0.19	0.27	0.2	0.23	0.46	0.45	0.39
DO	8.24	8.34	8.24	8.4	8.88	9.2	8.14	7.94	8.44
BOD	4.12	2.71	2.21	2	1.8	2.2	8	0.79	1.39
COD Mn.	11.14	10.74	10.54				7.51	7.56	7.35
COD Cr.	12.93	10.75	12.54	9.9	6.83	0.03			
Salinity %	0	0	0	0	0	0	0	0	0
Cond.ms/cm	0.127	0.102	0.121	0.065	0.077	0.097	0.089	0.081	0.082
Turb.NTU	76	86	71	25	30	26	34	37	22
CL	15.94	10.27	14.16	6.79	7.86	11.79	7.09	6.74	8.84
T.S	196	188	177	153	164	170	201	194	174
F.T.S.	115	108	98	77	83	82	135	129	122
V.T.S	81	80	79	76	81	88	66	65	52
S.S.	49	52	51	65	69	78	58	54	47
W.T.oC	22.1	22.5	22.2	20	19.9	19.9	21	21	21
Na							7.8	7.6	8.4
K							2	2.2	2
Fe							0.7	0.72	0.61

OBS : US= Uruguay side ,M= Middle area, BS=Brasil side

All parameters , except Salinity, Conductibity and turbidity, are expressed in mg/l

Space without any number represents no analytical determination result.

CROSS SECTION 5 - FRONT OF PORTO DA SANTA VITORIA

Period	1997/12/17			1998/5/6			1998/10/13		
Station	US	M	BS	US	M	BS	US	M	BS
Parameter									
pH				6.89	6.99	7.03	7.95	8.12	8.06
T. Alcalinity	37.77	36.28	37.77	38.77	34.79	33.3	27.21	26.2	25.69
Hardness	34.24	33.75	36.23	27.72	28.71	26.73	22.06	22.06	22.06
Ca	11.71	10.52	11.51	9.5	8.71	8.32	5.61	6.02	6.02
Mg	1.98	1.79	1.79	0.95	1.66	1.42	1.92	1.68	1.68
TP	0.059	0.088	0.078	0.039	0.039	0.049	0.082	0.052	0.052
N.Keldhal	1.25	1.53	1.39	1.25	1.11	1.25	0.99	1.13	0.99
NO3-N	0.25	0.42	0.19	0.17	0.2	0.21	0.55	0.49	0.49
DO	8.24	8.34	8.24	9.4	9.1	8.7	8.93	9.33	9.53
BOD	1.91	2.71	2.21	2	1.4	2.3	1.69	2.98	1.79
COD Mn.	10.94	10.74	10.54				9.87	8.06	7.76
COD Cr.	11.26	10.75	12.54	7.03	6.63	8.14			
Salinity %	0	0	0	0	0	0	0	0	0
Cond.ms/cm				0.095	0.097	0.094	0.09	0.086	0.085
Turb.NTU				17	27	37	16	15	15
CL	15.94	10.27	14.16	11.79	11.43	10.72	12.06	10.64	10.99
T.S	161	188	177	153	157	162	167	168	167
F.T.S.	79	108	98	63	75	73	112	112	107
V.T.S	82	80	79	90	82	89	55	56	60
S.S.	10	52	51	66	47	80	3	13	20
W.T.oC				19.8	19.8	19.8	22	22	22
Na							8.6	8.8	9
K							2	2	2.4
Fe							0.46	0.37	0.37

OBS : US= Uruguay side, M= Middle area, BS= Brasil side

All parameters , except Salinity, Conductibity and turbidity, are expressed in mg/l

Space without any number represents no analytical determination result.