1983

QUALIDADE DAS ÁGUAS INTERIORES

do Estado de São Paulo

CETESB

ANEXO

QUALIDADE DAS ÁGUAS INTERIORES

do Estado de São Paulo

1983

ANEXO

CETESB
COMPANHIA DE TECNOLOGIA DE SANEAMENTO AMBIENTAL
SECRETARIA DE OBRAS E DO MEIO AMBIENTE
GOVERNO DEMOCRÁTICO DE SÃO PAULO

CETESB

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RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

AS TABELAS DE RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS SE ENCONTRAM EM ORDEM SEQUENCIAL PELO CODIGO DAS BACIAS.

BACIA HIDROGRAFICA	CODIGO DA BACIA
TIETE ALTO CABECEIRAS	01
TIETE ALTO ZONA METROPOLITANA	02
BILLINGS	03
COTIA	04
GUARAPIRANGA	05
TIETE MEDIO SUPERIOR	11
CAPIVARI	12
JUNDIAI	13
PIRACICABA	14
SOROCABA	15
TIETE MEDIO INFERIOR	21
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CODIGO DE IDENTIFICACAO DOS PONTOS DE AMOSTRAGEM

CODIGO DO LOCAL - 00SP01BT2200

- 00SP01 — COD DA BACIA
- BT2200 — COD DO PTO

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO BIRITIBA-MIRIM, 2KM A MONTANTE DA FOZ ANO - 83

CODIGO DO LOCAL - 00SP01BT2200 CLASSE - 2 BACIA - TIETE ALTO-CABECEIRAS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 03/14.05	FEV 01/13.00	MAR 01/13.30	ABR 04/14.30	MAI 02/15.20	JUN 08/14.35	JUL 04/13.00	AGO 01/13.15	SET 12/11.05	OUT 04/11.00	NOV 03/14.00	DEZ 06/13.15
.TEMP.AGUA	GR.C		23.	22.	25.	21.	22.	18.	15.	16.	16.	19.	19.	21..
.PH	UNID.PH		6.0	6.7	6.7	6.7	5.8	6.0	6.0	6.4	6.8	6.9	6.1	6.0.
.OX.DISSOL	MG/L	5	6.4	5.2	5.5	7.4	5.8	5.8	7.5	8.1	6.2	7.1	5.3	5.3.
.DBO(5,20)	MG/L	5	2.	1.	L1.	1.	2.	2.	L1.	1.	1.	L1.	2.	L1..
.COL.F.NMP/	100ML	1000	0.046 *	1.4	0.009	0.008	0.013	0.33	0.49	0.28	0.026 *	49.	0.49	0.22.
.N.TOTAL	MG/L		0.50	1.07	0.25	0.17	0.38	0.50	0.79	0.24	0.65	0.24	0.75	0.35.
.FOSF.TOT.	MG/L		0.065	0.115	0.080	0.060	0.055	0.080	0.035	0.050	0.235	0.055	0.245	0.070.
.RES.TOTAL	MG/L		55.	154.	59.	39.	22.	70.	41.	33.	39.	42.	48.	46..
.TURBIDEZ	UNT		7.5	15.	10.	5.5	7.0	40.	5.2	4.4	4.5	8.0	11.	5.5.
	I.Q.A.		78.	66.	84.	88.	73.	66.	72.	77.	80.	59.	56.	71..
.BARIO	MG/L													
.CADMIO	MG/L													
.CROMO	MG/L													
.COBRE	MG/L													
.CROMO	MG/L													
.ESTANHO	MG/L													
.MERCURIO	MG/L													
.ZINCO	MG/L													
.FENOL	MG/L													
INDICE DE TOXIDEZ.														
.TEMP.AR	-GR.C		28.	19.	29.	30.	23.	23.	21.	20.	14.	22.	24.	26..
.COL.T.NMP/	100ML	5000 *	7.9 *	33. *	13.	3.3	4.9	4.9	2.3	0.79	1.1 *	79.	4.9	2.3.
.FERRO	MG/L													
.MANGANES	MG/L													
.NIQUEL	MG/L													
.CLORETO	MG/L		4.5	5.1	4.3	5.4	4.0	3.6	4.0	4.0	7.6	4.2	4.5	7.0.
.O.G.	MG/L		42.	23.	31.	13.	41.	46.	10.	9.	16.	11.	58.	15..
.SURFACT.	MG/L													
.N.NITRATO	MG/L	10.0	0.09	0.26	0.14	0.11	0.16	0.27	0.19	0.12	0.14	0.13	0.15	0.04.
.N.NITRITO	MG/L	1.0	0.01	L0.005	L0.005	0.01	0.02	0.03	0.01	0.02	L0.005	0.01	0.01	L0.005.
.N.AMONIACAL	MG/L	0.5	0.01	0.09	0.06	0.04	0.11	0.17	0.07	0.08	0.08	0.02	0.07	0.05.
.NITROGENIO.	MG/L		0.40	0.80	0.10	L0.05	0.20	0.20	0.50	0.10	0.50	0.10	0.60	0.30.
.RES.FIXO	MG/L													
.RES.VOLAT.	MG/L													
.COLORACAO			MARROM	TURVA	AMAREL	AMAREL	MARROM	AMAREL	LIMPID	AMAREL	LIMPID	LIMPID	MARROM	AMAREL.
.CHUVAS			NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JUNDIAI, PROXIMO A FUTURA BARRAGEM, EM MOGI DAS CRUZES ANO - 83

CODIGO DO LOCAL - 0CSP01JD2050 CLASSE - 1 BACIA - TIETE ALTO-CABECEIRAS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT (&) DA CLASSE 2 E DO I.T

PARAMETROS	PADROES DEC8468	JAN 03/12.45	FEV 01/11.15	MAR 01/11.40	ABR 04/12.30	MAI 02/13.45	JUN 08/12.45	JUL 04/11.15	AGO 01/14.45	SET 12/10.15	OUT 04/12.45	NOV 03/12.30	DEZ 06/11.30
TEMP.AGUA GR.C		23.	23.	24.	22.	22.	15.	17.	17.	16.	18.	21.	23..
PH UNID.PH		5.6	5.5	6.3	6.0	5.6	5.5	6.2	6.0	6.8	6.8	5.9	5.7.
OX.DISSOL. MG/L		* 0.4	* 0.3	* 0.9	* 2.7	* 2.0	* 2.8	* 4.0	5.3	* 3.7	* 4.2	* 2.4	* 2.5.
DBO(5,20) MG/L		1.	2.	1.	1.	2.	L1.	1.	L1.	1.	2.	1.	1..
CO.F.NMP/100ML		0.049	0.13	0.023	L0.002	0.014	0.079	0.079	L0.002	0.005	* 7.	0.027	0.007.
N.TOTAL MG/L		0.63	0.63	0.23	0.09	0.20	0.46	0.56	0.36	1.15	0.26	0.63	1.53.
FOSF.TOT. MG/L		0.155	0.085	0.100	0.045	0.100	0.115	0.055	0.070	0.095	0.070	0.250	0.065.
RES.TOTAL MG/L		57.	80.	45.	43.	44.	54.	44.	37.	41.	38.	40.	48..
TURBIDEZ UNT		3.5	10.	8.0	3.5	3.2	21.	2.0	2.0	1.5	3.0	3.4	4.0.
I.Q.A.		46.	43.	55.	70.	59.	56.	68.	81.	74.	57.	62.	64..
BARIO MG/L													
CADMIO MG/L													
CHUMBO MG/L													
COBRE MG/L													
CROMO MG/L													
ESTANHO MG/L													
MERCURIO MG/L													
ZINCO MG/L													
FENOL MG/L													
INDICE DE TOXIDEZ.													
TEMP.AR -GR.C		28.	20.	27.	29.	25.	21.	19.	22.	14.	23.	25.	29..
CO.T.NMP/100ML		3.3	0.79	1.3	1.3	0.49	0.94	0.49	0.33	0.33	* 79.	1.7	0.49.
FERRO MG/L													
MANGANES MG/L													
NIQUEL MG/L													
CLORETO MG/L		4.5	6.4	4.0	8.2	4.6	4.3	5.1	4.5	8.1	4.3	3.5	7.0.
DUREZA MG/L		22.	15.	35.	16.	41.	38.	10.	16.	16.	15.	33.	23..
SURFACT. MG/L													
N.NITRATO MG/L		0.02	L0.02	L0.02	0.03	0.09	0.12	0.05	0.05	0.04	0.05	0.02	L0.02.
N.NITRITO MG/L		L0.005	L0.005	0.01	0.01	0.01	0.04	0.01	0.01	L0.005	0.01	L0.005	L0.005.
N.AMONIACAL MG/L		0.03	0.15	0.05	0.04	0.08	0.16	0.06	0.20	0.37	0.02	0.05	0.10.
NI.KJELD. MG/L		0.60	0.60	0.20	L0.05	0.10	0.30	0.50	0.30	1.10	0.20	0.60	1.50.
RES.FIXO MG/L													
RES.VOLAT. MG/L													
COLORACAO		PRETA	MARROM	AMAREL	AMAREL	PRETA	AMAREL	AMAREL	AMAREL	LIMPID	LIMPID	PRETA	AMAREL.
CHUVAS		NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, A JUSANTE DE PONTE NOVA — ANO - 83

CODIGO DO LOCAL - 00SP01TE1010 — CLASSE - 2 — BACIA - TIETE ALTO-CABECEIRAS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468		JAN 03/14.35		FEV 01/13.30		MAR 01/13.50		ABR 04/15.00		MAI 02/15.00		JUN 08/15.00		JUL 04/13.15		AGO 01/13.45		SET 12/11.25		OUT 04/10.30		NOV 03/14.25		DEZ. 06/13.30.
.TEMP.AGUA	GR.C			24.		22.		24.		24.		22.		17.		17.		18.		16.		19.		21.		21..
.PH	UNID.PH			5.7		6.1		6.0		6.2		5.7		5.9		6.4		6.2		6.9		6.9		6.3		5.9.
.OX.DISSOL	MG/L	5	*	1.4	*	1.7	*	0.8	*	2.0	*	2.5	*	3.3		6.1		5.7		6.8		6.6	*	3.5	*	1.7.
.DBO(5,20)	MG/L	5		1.		1.		1.		1.		3.		1.		L1.		L1.		2.		L1.		L1.		2..
.CO.F.NMP/100ML		1000	*	1.3	*	2.2	*	1.3		0.005		0.009		0.014		0.006		0.004		L0.002	*	28.		0.007		L0.002.
.N.TOTAL	MG/L			1.03		1.33		1.03		0.73		0.71		0.78		0.66		0.40		0.65		0.38		0.83		0.77.
.FOSF.TOT.	MG/L			0.055		0.075		0.075		0.040		0.055		0.165		0.050		0.050		0.255		0.065		0.205		0.050.
.RES.TOTAL	MG/L			43.		60.		47.		28.		22.		88.		28.		25.		30.		36.		29.		33..
.TURBIDEZ	UNT			8.0		6.5		9.5		4.2		3.5		36.		2.8		2.0		2.0		2.0		6.0		2.7.
	I.Q.A.			47.		49.		45.		65.		62.		63.		84.		83.		88.		61.		72.		62..
.BARIO	MG/L																									
.CADMIO	MG/L																									
.CROMO	MG/L																									
.COBRE	MG/L																									
.CROMO	MG/L																									
.ESTANHO	MG/L																									
.MERCURIO	MG/L																									
.ZINCO	MG/L																									
.FENOL	MG/L																									
INDICE DE TOXIDEZ.																										
.TEMP.AR	GR.C			28.		19.		29.		30.		23.		22.		22.		21.		14.		22.		24.		24..
.CO.T.NMP/100ML		5000		4.9	*	7.9	*	22.		0.33		1.3		3.3		1.1		0.017		0.49	*	170.		0.70		0.33.
.FERRO	MG/L																									
.MANGANES	MG/L																									
.NIQUEL	MG/L																									
.CLORETO	MG/L			4.0		5.1		3.5		6.4		3.5		4.7		2.7		2.4		4.5		3.1		3.0		7.0.
.DUREZA	MG/L			18.		7.		27.		20.		41.		46.		13.		13.		16.		11.		46.		12..
.SURFACT.	MG/L																									
.N.NITRATO	MG/L	10.0		0.02		L0.02		L0.02		0.02		0.40		0.35		0.15		0.18		0.14		0.17		0.32		0.06.
.N.NITRITO	MG/L	1.0		L0.005		L0.005		L0.005		L0.005		0.01		0.03		0.01		0.02		L0.005		0.01		L0.005		L0.005.
.N.AMONIAC	MG/L	0.5		0.38	*	0.91	*	0.98		0.40		0.27		0.26		0.05		0.14		0.06		0.03		0.05		0.16.
.NI.ORGEO.	MG/L			1.00		1.30		1.00		0.70		0.30		0.40		0.50		0.20		0.50		0.20		0.50		0.70.
.RES.FIXO	MG/L																									
.RES.VOLAT.	MG/L																									
.COLORACAO				MARROM		TURVA		AMAREL		AMAREL		VERDE		AMAREL		LIMPID		AMAREL		LIMPID		LIMPID		PRETA		AMAREL.
.CHUVAS				NAO		SIM		NAO		NAO		NAO		SIM		NAO		NAO		SIM		NAO		SIM		NAO.
.VAZAO INSTAN TANEA	M3/S			4.56		4.56		5.22		4.68		9.12		5.16		9.21								15.1		14.4.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, NA CAPTACAO DO SEMAE, EM MOGI DAS CRUZES — ANO - 83

CODIGO DO LOCAL - CQSP01TE1040 — CLASSE - 2 — BACIA - TIETE ALTO-CABECEIRAS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468	JAN 03/13.30	FEV 01/12.30	MAR 01/13.10	ABR 04/14.00	MAI 02/14.25	JUN 08/14.00	JUL 04/12.30	AGO 01/12.40	SET 12/11.55	OUT 04/11.45	NOV 03/13.30	DEZ. 06/12.50.
.TEMP.AGUA GR.C		24.	22.	25.	23.	23.	17.	17.	17.	16.	19.	21.	22..
.PH UNID.PH		6.0	6.0	6.7	6.5	5.6	6.0	6.2	6.2	6.9	6.6	6.3	6.1.
.OX.DISSOL. MG/L	5	6.1	5.2 *	3.6	5.3 *	3.6 *	4.7	6.4	5.3 *	4.6 *	3.8 *	3.5 *	3.9.
.DBO(5.20) MG/L	5	1.	1.	1.	L1.	2.	L1.	1.	L1.	1.	1.	1.	1..
.CO.F.NMP/100ML	1000	0.18 *	11. *	1.7	0.11 *	2.8	0.07	0.33	0.094	0.17 *	3.3	0.11 *	1.3.
.N.TOTAL MG/L		0.83	1.05	0.57	0.70	0.37	0.92	0.86	0.42	0.71	0.20	0.57	1.49.
.FOSF.TOT. MG/L		0.080	0.110	0.100	0.045	0.075	0.100	0.045	0.070	0.130	0.065	0.245	0.080.
.RES.TOTAL MG/L		75.	144.	66.	50.	28.	75.	50.	37.	50.	37.	42.	39..
.TURBIDEZ UNT		7.0	40.	9.8	5.0	6.0	33.	4.5	3.5	4.0	4.5	4.2	3.6.
. I.Q.A.		74.	54.	61.	76.	53.	67.	73.	73.	70.	58.	65.	60..
.BARIO MG/L													
.CADMIO MG/L													
.CHUMBO MG/L													
.COBRE MG/L													
.CROMO MG/L													
.ESTANHO MG/L													
.MERCURIO MG/L													
.ZINCO MG/L													
.FENOL MG/L													
. INDICE DE TOXIDEZ.													
.TEMP.AR -GR.C		28.	20.	28.	30.	25.	23.	20.	20.	14.	23.	25.	29..
.CO.F.NMP/100ML	5000 *	13. *	79. *	23.	4.9 *	17.	4.9 *	13. *	11.	3.5 *	49. *	13. *	22..
.FERRO MG/L													
.MANGANES MG/L													
.NIQUEL MG/L													
.CLORETO MG/L		5.0	6.5	4.6	5.0	4.5	4.5	3.9	3.4	6.8	3.8	3.5	3.0.
.DUREZA MG/L		26.	23.	31.	20.	41.	46.	10.	16.	12.	18.	29.	8..
.SURFACT. MG/L													
.N.NITRATO MG/L	10.0	LO.02	0.24	0.26	0.28	0.14	0.59	0.15	0.11	0.10	0.09	0.06	0.08.
.N.NITRITO MG/L	1.0	0.01	LO.005	LO.005	0.02	0.03	0.03	0.01	0.01	LO.005	0.01	LO.005	LO.005.
.N.AMONIACAL MG/L	0.5	0.06	0.26	0.15	0.11	0.08	0.15	0.05	0.11 *	0.52	0.08	0.05	0.10.
.NI.ORGAN. MG/L		0.80	0.80	0.30	0.40	0.20	0.30	0.70	0.30	0.60	0.10	0.50	1.40.
.RES.FIXO MG/L													
.RES.VOLAT. MG/L													
.COLORACAO		MARROM	TURVA	AMAREL	AMAREL	VERDE	AMAREL	TURVA	AMAREL	LIMPID	LIMPID	PRETA	AMAREL.
.CHUVAS		NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.
.VAZAO M3/S		9.79	13.9	14.2	9.79	21.7		16.7	18.6			29.2	20.1.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.
G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TAIACUPEBA, A JUSANTE DA BARRAGEM ANO - 83

CODIGO DO LOCAL - 00SP01TI2100 CLASSE - 1 BACIA - TIETE ALTO-CABECEIRAS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT (&) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 03/12.05	FEV 01/11.00	MAR	ABR 02/13.15	MAI	JUN 04/10.40	JUL	AGO 12/09.50	SET	OUT 03/11.40	NOV	DEZ
.TEMP.AMOSTRA GR.C		24.		20.		23.		18.		16.		22.	
.PH UNIDADE PH		7.0		6.7		6.5		6.4		6.9		6.7	
.OXIGENIO DISSOL MG/L		8.3		* 3.6		7.2		8.5		8.5		7.5	
.DBO(5,20) MG/L		3.		2.		2.		2.		1.		2.	
.COLI.FECAL NMP/100ML		0.012		0.033		L0.002		0.002		0.005		0.002	
.N.TOTAL MG/L		0.83		0.33		0.13		0.60		1.11		0.43	
.FOSF.TOTAL MG/L		0.040		0.035		0.050		0.065		0.105		0.180	
.RESIDUO TOTAL MG/L		64.		51.		49.		44.		47.		41.	
.TURBIDEZ UNT		5&.		5.5		5.0		7.0		5.2		4.5	
	I.Q.A.	80.		72.		89.		89.		90.		90.	
.BARIO MG/L													
.CADMIO MG/L													
.CROMO6O MG/L													
.COBRE MG/L													
.CROMO MG/L													
.ESTANHO MG/L													
.MERCURIO MG/L													
.ZINCO MG/L													
.FENOL MG/L													
INDICE DE TOXIDEZ.													
.TEMP.AMOSTRA GR.C		27.		28.		25.		17.		14.		24.	
.COLI.FECAL NMP/100ML		0.17		0.79		0.046		0.79		1.3		2.3	
.FERRO MG/L													
.MANGANES MG/L													
.NITROGEL MG/L													
.CONCRETO MG/L		6.4		4.2		5.6		4.0		8.2		4.5	
.COR MG/L		36.		24.		30.		10.		16.		29.	
.SURFACTA MG/L													
.NITRATO MG/L		0.62		L0.02		L0.02		0.09		0.10		0.02	
.MANGANES MG/L		L0.005		L0.005		0.01		0.01		L0.005		L0.005	
.NITROGENIO AMONIACAL MG/L		0.64		0.29		0.08		0.05		0.37		0.27	
.NITROGENIO ORG MG/L		0.80		0.30		0.10		0.50		1.00		0.40	
.RES.FIXO MG/L													
.RES.VOL MG/L													
.COLORACAO		VERDE		AMARELO		VERDE		TURVA		LIMPIDO		VERDE	
.ONDAS		NAO		NAO		NAO		NAO		SIM		SIM	
.VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO BAGUIRIVI-GUACU, NA PONTE DE ACESSO AO NIPON COUNTRY CLUB ANO - 83

CODIGO DO LOCAL - 00SP02BG3010 CLASSE - 3 BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 03/16.50	FEV 01/15.00	MAR 01/15.00	ABR 04/16.00	MAI 02/16.10	JUN 08/11.20	JUL 04/14.15	AGO 01/16.10	SET 12/13.15	OUT 04/13.40	NOV 03/15.35	DEZ. 06/10.30.
.TEMP.AGUA	GR.C		24.	22.	27.	25.	23.	18.	18.	20.	17.	20.	23.	25..
.PH	UNID.PH		6.2	5.9	6.3	6.6	6.1	6.2	6.4	6.6	7.2	6.3	6.2	6.6.
.OX.DISSOL	MG/L	4	5.9	5.5	4.7	5.0	4.1	* 0.0	6.6	4.8	7.0	5.9	5.9	6.3.
.DBO(5.20)	MG/L	10	4.	* 11.	2.	6.	* 16.	2.	2.	4.	* 11.	6.	2.	7..
.CO.F.NMP/100ML		4000	* 170.	* 130.	* 130.	* 94.	* 130.	* 70.	* 230.	* 170.	* 310.	* 230.	* 330.	* 130..
.N.TOTAL	MG/L		19.4	3.80	3.30	3.24	4.66	4.10	3.96	3.96	4.90	3.50	7.01	3.74.
.FOSF.TOT.	MG/L		0.165	1.50	0.215	0.155	0.255	0.800	0.420	1.50	0.210	0.260	0.125	0.170.
.RES.TOTAL	MG/L		232.	1760.	254.	212.	166.	529.	759.	573.	230.	169.	764.	190..
.TURBIDEZ	UNT		56.	250.	120.	40.	50.	180.	170.	95.	9.5	65.	150.	55..
		I.Q.A.	41.	29.	38.	46.	35.	21.	36.	34.	45.	43.	36.	45..
.BARIO	MG/L	1.0	0.12	0.19	0.09	0.09	0.06	0.10	0.09	0.15	0.04	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	0.03	ND	ND	ND	ND	0.01	0.02	ND	ND	0.01	ND.
.COBRE	MG/L	1.0	0.01	0.10	0.01	ND	0.01	0.01	0.03	0.04	0.01	0.02	0.03	ND.
.CROMO	MG/L	0.05	ND	0.04	ND	ND	0.01	0.01	0.02	0.03	ND	ND	0.02	0.01.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002.
.ZINCO	MG/L	5.0	L0.001	0.05	0.01	0.01	0.02	0.02	0.02	0.04	0.45	0.02	0.05	0.02.
.FENOL	MG/L	0.001	$0.0310	0.0010	$0.0040	L0.001	L0.001	L0.001	$0.0020	L0.001	$0.0020	$0.0020	L0.001	L0.001.
. INDICE DE TOXIDEZ.			0	1	0	1	1	1	0	1	0	0	1	1.
.TEMP.AR	-GR.C		28.	23.	29.	29.	25.	21.	19.	21.	15.	23.	25.	27..
.CO.T.NMP/100ML		20000	* 790.	* 330.	* 490.	* 490.	* 330.	* 330.	* 490.	* 330.	* 1700.	* 330.	* 1300.	* 330..
.FERRO	MG/L		16.0	48.4	10.9	6.92	7.94	22.3	33.5	22.8	7.98	8.80	32.2	8.10.
.MANGANES	MG/L		0.16	0.18	0.30	0.26	0.30	0.16	0.25	0.29	0.20	0.11	0.24	0.09.
.NIQUEL	MG/L		0.01	0.12	0.01	ND	ND	0.02	0.04	0.06	ND	0.02	0.03	0.01.
.CLORETO	MG/L		18.6	8.6	12.6	15.2	16.2	9.0	7.7	9.9	20.0	10.3	12.0	8.0.
.SULFATO	MG/L		47.	199.	64.	35.	61.	140.	70.	78.	51.	33.	115.	23..
.SURFACT.	MG/L		0.23	0.05	0.19	0.10	0.23	0.04	0.09	0.14	0.23	0.08	0.08	0.08.
.NITRATO	MG/L	10.0	3.28	2.18	1.74	1.05	1.30	3.23	1.58	0.97	2.35	1.50	5.20	0.83.
.NITRITO	MG/L	1.0	0.12	0.02	0.16	0.39	0.16	0.07	0.18	0.09	0.05	0.10	0.01	0.31.
.AMONIACAL	MG/L	0.5	0.45	0.46 *	1.00 *	1.50 *	0.60 *	0.73 *	0.74 *	2.60 *	1.40 *	1.00	0.06 *	1.00.
.NITROGENIO	MG/L		16.0	1.70	1.40	1.80	3.20	0.80	2.20	2.90	2.50	1.90	1.80	2.60.
.RES.FIXO	MG/L		168.	1490.	60.	161.	135.	399.	652.	462.	164.	132.	624.	150..
.RES.VOLAT.	MG/L		64.	270.	194.	51.	31.	130.	107.	111.	66.	37.	141.	40..
.COLORACAO			TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	MARROM	MARROM	MARROM	MARROM	TURVA	MARROM.
.CHUVAS			NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.

.VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DO JUQUERI, NA PONTE DE SANTA INES — ANO - 83

CODIGO DO LOCAL - QLSPQZJM2050 — CLASSE - 1 — BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS		PADROES DEC 8468	JAN 03/08.35	FEV 01/18.20	MAR	ABR 02/10.00	MAI	JUN 04/16.15	JUL	AGO 12/14.40	SET	OUT 03/08.45	NOV	DEZ.
.TEMP.AGUA	GR.C		25.		27.		23.		19.		16.		20.	
.PH	UNID.PH		6.7		6.1		6.7		6.6		6.9		6.8	
.OX.DISSOL	MG/L		8.6		6.9		7.4		7.7		7.4	*	3.9	
.DBO(5,20)	MG/L		L1.		L1.		3.		L1.		1.		1.	
.CO.F.NMP/100ML			0.33	*	1.1		0.005		0.23		0.033		0.49	
.N.TOTAL	MG/L		0.48		0.25		0.62		0.62		0.87		0.80	
.FOSF.TOT.	MG/L		0.070		0.025		0.070		0.030		0.120		0.215	
.RES.TOTAL	MG/L		75.		44.		39.		36.		42.		38.	
.TURBIDEZ	UNT		20.		8.3		6.5		14.		8.0		6.0	
	I.Q.A.		75.		71.		87.		77.		83.		64.	
.BARIO	MG/L													
.CADMIO	MG/L													
.CHUMBO	MG/L													
.COBRE	MG/L													
.CROMO	MG/L													
.ESTANHO	MG/L													
.MERCURIO	MG/L													
.ZINCO	MG/L													
.FENOL	MG/L													
INDICE DE TOXIDEZ.														
.TEMP.AR	-GR.C		23.		22.		27.		19.		15.		22.	
.CO.T.NMP/100ML			1.7	*	7.9		0.49		0.79		0.28		1.7	
.FERRO	MG/L													
.MANGANES	MG/L													
.NIQUEL	MG/L													
.CLORETO	MG/L		1.4		1.8		2.2		1.6		2.9		1.5	
.D.B.O	MG/L		L6.		27.		26.		13.		16.		29.	
.SURFACT.	MG/L													
.N.NITRATO	MG/L		0.17		0.04		0.10		0.21		0.26		0.39	
.N.NITRITO	MG/L		0.61		L0.005		0.02		0.01		L0.005		0.01	
.N.AMONIAC	MG/L		0.62		0.19		0.10		0.09		0.50		0.26	
.N.KJELD.	MG/L		0.30		0.20		0.50		0.40		0.60		0.40	
.RES.FIXO	MG/L													
.RES.VOLAT.	MG/L													
.COLORACAO			TURVA		TURVA		TURVA		TURVA		LIMPID		VERDE	
.CHUVAS			NAO		SIM		NAO		NAO		SIM		SIM	
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JUQUERI, PONTE NA RODOVIA ANHANGUERA — ANO - 83

CODIGO DO LOCAL - 00SP02JQ4500 — CLASSE - 3 — BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID.	PADROES DEC8468	JAN 03/07.40	FEV 01/07.50	MAR 01/19.20	ABR 04/09.30	MAI 02/09.10	JUN 08/08.30	JUL 04/17.10	AGO 01/09.30	SET 12/15.35	OUT 04/15.55	NOV 03/08.00	DEZ. 06/08.40
.TEMP.AGUA	GR.C		22.	23.	25.	23.	23.	17.	16.	17.	17.	20.	21.	24..
.PH	UNID.PH		6.4	6.4	6.2	6.5	6.6	6.6	6.5	6.4	7.1	6.7	5.2	6.2.
.OX.DISSOL	MG/L	4	* 3.6	* 3.8	* 3.5	* 3.9	* 3.5	6.7	5.8	* 1.0	5.3	* 3.8	4.8	* 1.7.
.DBO(5,20)	MG/L	10	4.	4.	4.	2.	3.	3.	5.	* 20.	* 19.	* 27.	4.	6..
.CO.F.NMP/100ML		4000	* 31.	* 170.	* 79.	* 79.	* 13.	* 49.	* 79.	* 700.	* 23.	* 49.	* 700.	* 490..
.N.TOTAL	MG/L		2.28	1.90	1.36	1.18	2.85	1.36	1.58	1.56	2.04	1.70	3.58	3.02.
.FOSF.TOT.	MG/L		0.160	0.175	0.215	0.115	0.155	0.145	0.085	0.155	0.190	0.125	0.100	0.215.
.RES.TOTAL	MG/L		305.	379.	451.	281.	154.	192.	190.	258.	228.	340.	2690.	225..
.TURBIDEZ	UNT		85.	140.	180.	23.	35.	98.	34.	19.	40.	45.	350.	30..
	I.Q.A.		41.	34.	34.	46.	48.	48.	48.	27.	42.	35.	31.	33..
.BARIO	MG/L	1.0	0.06	0.07	0.02	0.08	0.06	L0.02	0.07	0.10	0.04	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	0.01	0.01	0.01	ND	ND	0.04	0.01	ND	ND	ND	0.04	ND.
.COBRE	MG/L	1.0	0.03	0.03	0.05	0.02	ND	0.22	0.01	0.01	0.01	0.02	0.19	0.01.
.CROMO	MG/L	0.05	0.01	0.02	0.02	0.01	ND	$ 0.14	ND	0.01	0.01	0.01	$ 0.13	0.01.
.ESTANHO	MG/L	2.0	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002.
.ZINCO	MG/L	5.0	L0.001	0.07	0.04	0.01	0.02	0.01	0.01	0.02	0.15	0.02	0.14	0.02.
.FENOL	MG/L	0.001	L0.001	$0.0020	$0.0160	L0.001	0.0010	$0.0030	$0.0030	$0.0090	$0.0020	$0.0110	0.0010	0.0310.
INDICE DE TOXIDEZ.			1	0	0	1	1	0	0	0	0	0	0	1 .
.TEMP.AR	-GR.C		21.	20.	21.	23.	26.	13.	18.	16.	15.	23.	21.	24..
.CO.T.NMP/100ML		20000	* 31.	* 790.	* 130.	* 1100.	* 170.	* 230.	* 790.	* 7900.	* 230.	* 1300.	* 4900.	* 790..
.FERRO	MG/L		9.88	18.4	21.3	7.32	5.84	9.92	6.88	5.76	9.48	11.0	94.9	7.02.
.MANGANES	MG/L		0.36	0.44	0.60	0.40	0.55	0.24	0.55	0.50	0.55	0.40	0.87	0.35.
.NIQUEL	MG/L		0.03	0.04	0.05	0.02	0.01	0.35	0.01	ND	0.02	0.02	0.34	0.01.
.CLORETO	MG/L		5.6	8.6	8.7	9.4	7.0	4.9	10.1	7.1	7.3	3.8	6.5	10.0.
.OLEOS	MG/L		56.	63.	106.	35.	41.	81.	43.	182.	88.	122.	171.	68..
.SURFACT.	MG/L		0.10	0.12	0.08	0.08	0.13	0.08	0.14	0.41	0.23	0.24	0.10	0.30.
.N.NITRATO	MG/L	10.0	0.24	0.28	0.23	0.23	1.28	0.60	0.35	0.23	0.31	0.27	0.77	0.19.
.N.NITRITO	MG/L	1.0	0.04	0.02	0.03	0.05	0.07	0.06	0.03	0.03	0.03	0.03	0.01	0.03.
.N.AMONIACAL	MG/L	0.5	* 1.00	* 0.60	* 0.64	0.46	* 1.30	0.48	0.48	* 0.64	* 1.50	0.22	0.25	* 1.20.
.N.KJELD.	MG/L		2.00	1.60	1.10	0.90	1.50	0.70	1.20	1.30	1.70	1.40	2.80	2.80.
.RES.FIXO	MG/L		259.	326.	379.	232.	126.	155.	141.	124.	164.	237.	2430.	160..
.RES.VOLAT.	MG/L		46.	53.	72.	49.	28.	37.	49.	134.	64.	103.	260.	65..
.COLORACAO			TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	MARROM	PRETA	MARROM	MARROM	TURVA	MARROM.
.CHUVAS			NAO	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PINHEIROS, NA ELEVATORIA DE PEDREIRA ANO - 83

CODIGO DO LOCAL - 00SP02PN4500 CLASSE - 4 BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (&) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468	JAN 04/13.20	FEV 02/13.40	MAR 02/13.45	ABR 05/09.30	MAI 03/14.45	JUN 07/14.25	JUL 04/08.40	AGO 02/09.15	SET 05/09.50	OUT 05/09.05	NOV 07/15.40	DEZ. 01/09.50.
.TEMP.AGUA GR.C		28.	22.	26.	24.	23.	18.	18.	19.	18.	20.	22.	25..
.PH UNID.PH		6.8	6.8	6.5	6.7	6.7	6.8	6.7	6.7	6.8	6.7	6.7	6.8.
.OX.DISSO. MG/L	G0.5	1.6	1.2	0.6	* 0.0	* 0.0	8.0	0.8	2.6	* 0.4	1.3	3.4	2.0.
.DBO(5,20) MG/L		7.	5.	62.	18.	31.	6.	5.	6.	18.	6.	4.	7..
.CO.F.NMP/100ML		11.	1300.	230.	790.	49.	130.	3.3	140.	330.	79.	7.9	49..
.N.TOTAL MG/L		7.14	3.80	4.53	16.0	10.2	1.60	6.04	2.10	6.76	4.98	5.31	3.66.
.FOS.TOT. MG/L		0.445	0.245	0.700	0.875	0.425	0.260	0.260	0.210	0.500	0.150	0.700	0.235.
.RES.TOTAL MG/L		217.	217.	470.	260.	220.	153.	186.	126.	183.	144.	136.	85..
.TURBIDEZ UNT		75.	75.	295.	100.	70.	65.	65.	33.	50.	21.	20.	5.6.
I.Q.A.		35.	31.	18.	18.	15.	46.	36.	37.	23.	35.	47.	40..
.BARIO MG/L		0.08	0.10	0.11	0.11	0.12	0.03	0.07	0.08	0.03	L0.50	L0.50	L0.50.
.CADMIO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO MG/L		0.01	0.01	0.01	0.01	0.01	ND	ND	ND	ND	ND	0.01	ND.
.COBRE MG/L		0.05	0.04	0.08	0.04	0.03	0.04	0.02	0.01	0.04	0.01	0.01	0.01.
.CROMO MG/L		ND	0.01	0.02	ND	0.01	0.01	0.01	ND	0.01	ND	ND	ND.
.ESTANHO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO MG/L		L.0002	0.0002	0.0006	0.0003	0.0004	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO MG/L		0.06	0.05	0.12	0.12	0.06	0.05	0.05	0.06	0.09	0.04	0.04	0.03.
.FENOL MG/L	1.0	0.0010	**0.0030	**0.0080	**0.0340	** 0.190	**0.0240	**0.0040	0.0010	** 0.171	**0.0020	**0.0030	**0.0020.
INDICE DE TOXIDEZ.		1	0	0	0	0	0	0	1	0	0	0	0 .
.TEMP.AR -GR.C		27.	20.	26.	24.	24.	16.	15.	16.	19.	24.	27.	28..
.CO.F.NMP/100ML		490.	1700.	4900.	1300.	330.	490.	33.	2300.	1700.	230.	13.	490..
.FERRO MG/L		5.40	7.48	20.0	7.84	7.44	9.42	5.12	3.23	7.74	2.96	2.70	1.75.
.MANGANES MG/L		0.18	0.21	0.30	0.30	0.28	0.08	0.19	0.06	0.16	0.25	0.25	0.08.
.NIQUEL MG/L		0.66	0.68	0.09	0.04	0.05	0.06	0.04	ND	0.04	0.02	0.02	0.02.
.CLORETO MG/L		23.6	14.2	18.1	31.0	32.3	5.7	16.2	9.5	21.0	18.2	14.0	10.0.
.DUREZA MG/L		53.	29.	104.	71.	83.	68.	43.	31.	65.	18.	27.	23..
.SURFACT. MG/L		0.30	0.46	0.54	1.07	0.97	0.15	0.19	0.36	1.05	0.11	0.08	0.19.
.N.NITRATO MG/L		0.12	1.06	L0.02	0.02	0.08	0.26	0.02	0.35	0.03	0.06	2.00	0.09.
.N.NITRITO MG/L		0.62	0.14	0.01	0.02	0.08	0.04	0.02	0.05	0.03	0.02	0.01	0.67.
.N.AMONIACAL MG/L		6.20	1.90	3.00	8.90	7.50	0.90	5.10	1.50	3.70	4.80	2.00	0.55.
.NITROGENIO MG/L		7.60	2.60	4.50	16.0	10.0	1.30	6.00	1.70	6.70	4.90	3.30	2.90.
.RES.FIXO MG/L		158.	170.	378.	201.	173.	120.	139.	86.	144.	107.	94.	54..
.RES.VOLAT.MG/L		59.	47.	92.	59.	47.	33.	47.	40.	39.	37.	42.	31..
.COLORACAO		MARROM	MARROM	MARROM	PRETA	PRETA	MARROM	AMAREL	AMAREL	TURVA	MARROM	MARROM	AMAREL.
.CHUVAS		SIM	SIM	SIM	NAO	NAO	SIM	NAO	SIM	SIM	NAO	NAO	SIM.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TAMANDUATEI, PONTE NA AVENIDA DO ESTADO, ALTURA DO N. 4826 ANO - 83

CODIGO DO LOCAL - 00SP02TA4200 CLASSE - 4 BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468		JAN 04/08.40		FEV	MAR 02/08.45		ABR	MAI 03/09.15		JUN	JUL 04/13.50		AGO	SET 05/11.05		OUT	NOV 07/10.00		DEZ
TEMP.AGUA GR.C			23.			23.			23.			22.			19.			24.		
PH UNID.PH			6.9			5.7			7.1			6.7			7.2			6.8		
OX.DISSOL MG/L	60.5	*	0.0		*	0.2		*	0.0		*	0.0		*	0.1		*	0.0		
DBO(5,20) MG/L			51.			147.			92.			159.			89.			72.		
CO.F.NMP/100ML			3306.			330.			4900.			3300.			3300.			13000.		
N.TOTAL MG/L			24.1			8.32			17.1			35.1			32.0			28.0		
FOSF.TOT. MG/L			2.20			3.75			2.85			3.00			2.65			5.09		
RES.TOTAL MG/L			394.			925.			424.			575.			525.			434.		
TOXIDEZ UNT			35.			280.			35.			70.			60.			12.		
	I.Q.A.		15.			11.			14.			13.			13.			14.		
BARIO MG/L			0.16			0.27			0.14			0.14			0.16			L0.50		
CADMIO MG/L			ND			ND			ND			ND			ND			ND		
CHUMBO MG/L			0.04			0.03			0.01			0.03			0.01			0.01		
COBRE MG/L			0.69			0.20			0.07			0.24			0.09			0.09		
CROMO MG/L			0.61		**	0.09			0.01			0.02			ND			0.02		
ESTANHO MG/L			ND			0.01			ND			0.01			ND			ND		
MERCURIO MG/L			0.0002			0.0008			0.0005			0.0007			0.0002			0.0003		
ZINCO MG/L			0.45			0.50			0.50			2.15			0.50			0.47		
FENOL MG/L	1.0	$	1.16		$	2.40		$	4.95		$	1.02		$	1.32		**	0.790		
INDICE DE TOXIDEZ.			0			0			0			0			0			0		
TEMP.AR -GR.C			22.			24.			21.			25.			20.			28.		
CO.T.NMP/100ML			33000.			1400.			23000.			110000			49000.			49000.		
FERRO MG/L			6.80			45.0			7.38			11.0			8.28			10.2		
MANGANES MG/L			0.60			0.60			1.00			0.70			0.45			0.49		
NIQUEL MG/L			0.62			0.16			0.05			0.11			0.17			0.05		
CLORETO MG/L			63.6			25.1			79.5			70.2			61.0			62.0		
O.G. MG/L			150.			138.			245.			372.			227.			146.		
SURFACT. MG/L			1.68			0.40			0.98			5.00			2.95			1.28		
N.NITRATO MG/L			L0.02			0.23			0.03			L0.02			L0.02			L0.02		
N.NITRITO MG/L			0.65			0.29			0.05			0.06			L0.005			0.01		
N.AMONIACAL MG/L			14.0			3.00			8.30			11.2			10.0			16.0		
N.ORGANICO MG/L			24.0			7.80			17.0			35.0			32.0			28.0		
RES.FIXO MG/L			293.			776.			331.			363.			390.			309.		
RES.VOLAT.MG/L			101.			149.			93.			212.			135.			125.		
COLORACAO			PRETA			MARROM			PRETA			PRETA			MARROM			PRETA		
CHUVAS			SIM			SIM			NAO			NAO			SIM			NAO		

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TAMANDUATEI, PONTE NA AVENIDA SANTOS DUMONT ANO - 83

CODIGO DO LOCAL - QCSPU2TA4500 CLASSE - 4 BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC 8468	JAN 03/06.50	FEV 01/06.45	MAR 01/08.50	ABR 04/10.30	MAI 02/08.30	JUN 08/09.30	JUL 04/08.40	AGO 01/10.30	SET 12/08.30	OUT 04/08.20	NOV 03/07.05	DEZ. 06/09.20.
.TEMP.AGUA GR.C		23.	22.	25.	23.	23.	18.	18.	19.	17.	21.	21.	24..
.PH UNID.PH		6.7	6.7	7.1	7.8	6.8	7.0	6.9	6.8	6.8	6.5	6.7	6.8.
.OX.DISSOL. MG/L	60.5	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.5	* 0.0	* 0.0	* 0.0	* 0.4	* 0.0	* 0.0.
.DBO(5,20) MG/L		79.	66.	100.	165.	80.	63.	115.	141.	152.	147.	15.	144..
.COL.F.NMP/100ML		23000.	3300.	22000.	49000.	13000.	3300.	7900.	13000.	11000.	33000.	2200.	70000..
.N.TOTAL MG/L		23.0	18.0	32.0	26.0	16.2	9.60	34.0	55.1	36.0	24.0	14.0	15.1.
.FOSF.TOT. MG/L		1.75	3.05	1.85	4.70	1.95	1.32	2.20	5.30	2.80	2.15	1.00	2.40.
.RES.TOTAL MG/L		316.	1060.	484.	586.	322.	396.	390.	416.	422.	480.	402.	524..
.TURBIDEZ UNT		22.	200.	43.	40.	30.	50.	38.	50.	55.	45.	40.	35..
I.Q.A.		16.	12.	14.	13.	16.	17.	14.	12.	13.	15.	20.	15..
.BARIO MG/L		0.12	0.24	0.14	0.17	0.04	0.06	0.11	0.13	0.06	L0.50	L0.50	L0.50.
.CADMIO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO MG/L		0.01	0.08	0.02	0.01	0.01	0.02	0.02	0.01	0.01	0.05	0.01	0.07.
.COBRE MG/L		0.02	0.35	0.07	0.03	0.02	0.13	0.07	0.07	0.12	0.09	0.05	0.10.
.CROMO MG/L		ND **	0.07	0.01	ND	ND	0.02	ND	0.01	ND	0.01	0.02	ND.
.ESTANHO MG/L		ND	0.01	ND	0.01	ND	0.01	0.09	ND	ND	0.01	0.01	0.01.
.MERCURIO MG/L		L.0002	0.0007	0.0018	0.0013	0.0002	0.0009	0.0005	0.0007	0.0002	0.0003	0.0003	0.0005.
.ZINCO MG/L		0.45	1.10	0.45	0.30	0.28	0.28	0.24	0.40	0.80	0.35	0.20	1.00.
.FENOL MG/L	1.0	** 0.360	** 0.440	** 0.400	** 0.290	** 0.230	** 0.360	** 0.293	** 0.461	** 0.457	**0.2620	** 0.251	** 0.535.
INDICE DE TOXIDEZ.		0	0	0	0	0	0	0	0	0	0	0	0.
.TEMP.AR -GR.C		26.	20.	22.	26.	25.	16.	15.	17.	13.	20.	20.	26..
.COL.T.NMP/100ML		79000.	33000.	790000	330000	70000.	33000.	230000	17000.	49000.	49000.	13000.	490000.
.FERRO MG/L		4.72	85.2	9.33	6.57	4.20	8.45	6.50	6.66	8.68	6.50	13.2	8.64.
.MANGANES MG/L		0.44	0.76	0.45	0.28	0.45	0.35	0.40	0.50	0.45	0.40	0.34	0.43.
.NIQUEL MG/L		0.01	0.26	0.09	ND	0.01	0.17	0.05	0.03	0.02	0.01	0.12	0.04.
.CLORETO MG/L		52.6	36.4	61.2	58.2	50.3	43.7	52.3	57.6	49.9	79.8	33.0	85.0.
.DUREZA MG/L		125.	340.	204.	338.	166.	153.	212.	332.	297.	254.	106.	250..
.SURFACT. MG/L		1.16	1.46	2.10	1.92	1.21	0.75	2.90	2.28	2.40	2.50	0.54	1.84.
.N.NITRATO MG/L		L0.02	0.02	0.03	L0.02	L0.02	1.11	L0.02	L0.02	L0.02	L0.02	0.20	0.05.
.N.NITRITO MG/L		0.01	L0.005	0.01	L0.005	0.13	0.99	0.01	0.03	0.01	0.01	6.80	0.01.
.N.AMONIACAL MG/L		11.0	4.70	13.0	23.0	10.0	3.55	16.0	21.0	14.0	10.0	0.15	7.60.
.NITROGENIO MG/L		23.0	16.0	32.0	26.0	16.0	7.50	34.0	55.0	36.0	24.0	7.00	15.0.
.RES.FIXO MG/L		218.	861.	349.	339.	258.	302.	248.	276.	268.	316.	312.	343..
.RES.VOLAT.MG/L		98.	199.	135.	247.	64.	94.	142.	140.	154.	164.	90.	181..
.COLORACAO		TURVA	TURVA	PRETA	PRETA	MARROM	MARROM	PRETA	PRETA	PRETA	PRETA	TURVA	PRETA.
.CHUVAS		NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.

.VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, PTE AV. DR. SAMUEL RIB. OLIVEIRA, JARD. N. CUMBICA — ANO - 83

CODIGO DO LOCAL - 00SP02TE4020 — CLASSE - 4 BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468		JAN 03/11.05	FEV 01/09.45	MAR 01/09.50	ABR 04/11.15	MAI 02/11.55	JUN 08/10.15	JUL 04/09.30	AGO 01/11.10	SET 12/09.00	OUT 04/09.10	NOV 03/10.40	DEZ 06/10.00
TEMP.AGUA GR.C			24.	22.	26.	23.	23.	17.	17.	18.	16.	20.	22.	24..
PH UNID.PH			6.2	6.0	6.7	6.7	6.5	6.2	6.6	6.2	7.1	6.1	6.3	6.2.
OX.DISSOL MG/L	00.5	*	0.3	2.1	1.2	1.2	2.0	3.7	2.8	2.9	4.0	3.5	2.3	1.4.
DBO(5,20) MG/L			36.	5.	4.	6.	4.	25.	4.	4.	2.	5.	5.	4..
COL.F.NMP/100ML			79.	79.	79.	33.	140.	490.	70.	17.	33.	70.	70.	22..
N.TOTAL MG/L			2.46	3.45	3.30	1.44	3.72	2.50	2.24	1.38	2.28	2.18	3.04	3.36.
FOSF.TOT. MG/L			0.180	0.225	0.175	0.155	0.215	0.195	0.110	0.160	0.235	0.255	0.630	0.135.
RES.TOTAL MG/L			224.	447.	321.	220.	200.	388.	158.	136.	136.	145.	332.	200..
TURBIDEZ UNT			30.	170.	120.	17.	30.	95.	15.	15.	16.	19.	50.	20..
IQA	100.A.		23.	29.	29.	37.	36.	28.	42.	44.	48.	42.	35.	38..
BARIO MG/L			0.06	0.08	0.07	0.08	0.02	L0.02	L0.02	0.04	0.04	L0.50	L0.50	L0.50.
CADMIO MG/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO MG/L			0.01	0.01	0.01	ND	ND	0.04	ND	ND	ND	ND	0.01	ND.
COBRE MG/L			0.01	0.05	0.02	0.02	0.01	0.02	0.04	0.02	0.02	0.01	0.03	0.02.
ZINCO MG/L			ND	0.02	0.01	ND	ND	0.01	ND	ND	ND	ND	0.01	ND.
ESTANHO MG/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO MG/L			L.0002	L.0002	0.0003	L.0002	0.0003	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO MG/L			0.04	0.06	0.07	0.15	0.16	0.32	0.08	0.09	0.18	0.06	0.09	0.06.
PENOL MG/L	1.0		**0.0080	**0.0050	**0.0150	**0.0020	**0.0020	**0.0040	**0.0040	**0.0040	0.0010	**0.0030	L0.001	L0.001.
INDICE DE TOXIDEZ.			0	0	0	0	0	0	0	0	1	0	1	1.
TEMP.AR -GR.C			25.	20.	25.	29.	27.	18.	16.	18.	13.	21.	24.	26..
COL.F.NMP/100ML			790.	490.	490.	330.	1300.	7000.	3300.	460.	79.	3300.	790.	490..
FERRO MG/L			5.44	24.2	10.1	5.05	6.42	11.8	2.93	2.57	4.71	3.20	13.7	5.53.
MANGANES MG/L			0.19	0.22	0.23	0.19	0.13	0.13	0.12	0.09	0.10	0.11	0.18	0.20.
NIQUEL MG/L			0.06	0.18	0.28	0.05	0.04	0.18	ND	0.06	0.04	0.06	0.15	0.05.
CLORETO MG/L			34.3	22.5	29.2	34.6	20.7	13.7	22.0	25.5	20.4	20.6	20.0	30.0.
DUREZA MG/L			55.	88.	81.	47.	53.	114.	35.	35.	29.	45.	97.	39..
SURFACT. MG/L			0.21	0.21	0.24	0.32	0.14	0.07	0.26	0.21	0.15	0.18	0.12	0.27.
N.NITRATO MG/L			0.02	1.14	1.11	0.08	1.47	1.13	0.46	0.15	0.26	0.53	1.33	0.62.
N.NITRITO MG/L			0.04	0.11	0.19	0.06	0.05	0.17	0.08	0.03	0.02	0.05	0.01	0.14.
N.AMONIACAL MG/L			1.50	1.00	1.20	0.83	1.50	0.76	0.56	0.90	1.30	0.80	0.08	0.29.
NITROGENIO MG/L			2.40	2.20	2.00	1.30	2.20	1.20	1.70	1.20	2.00	1.60	1.70	2.60.
RES.FIXO MG/L			172.	371.	142.	165.	154.	314.	116.	106.	101.	113.	259.	149..
RES.VOLAT.MG/L			52.	76.	179.	55.	46.	74.	42.	30.	35.	32.	73.	51..
COLORACAO			TURVA	TURVA	MARROM	MARROM	MARROM	MARROM	MARROM	AMAREL	CINZA	TURVA	TURVA	VERMEL.
CHUVAS			NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	SIM	NAO	SIM	NAO.
VAZAO M3/S														

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, NA PONTE DOS REMEDIOS — ANO - 83

CODIGO DO LOCAL - 00SP02TE4080 — CLASSE - 4 — BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468	JAN 05/07.50	FEV 03/08.25	MAR 03/07.50	ABR 06/08.10	MAI 04/07.15	JUN 07/07.00	JUL 05/07.50	AGO 03/08.25	SET 01/08.45	OUT 04/07.50	NOV 07/08.30	DEZ 05/08.20
TEMP.AGUA GR.C		23.	21.	24.	22.	21.	16.	18.	15.	22.	20.	23.	22.
PH UNID.PH		6.3	5.9	6.3	6.7	6.5	6.9	6.7	6.5	6.8	6.6	7.0	6.8
OX.DISSOL MG/L	60.5	* 0.0	1.2	* 0.0	0.8	* 0.0	4.2	* 0.0	* 0.0	* 0.0	* 0.3	* 0.0	6.7
DBO(5,20) MG/L		24.	6.	25.	19.	24.	10.	36.	42.	38.	22.	21.	15.
COLI.F.NMP/100ML		4906.	790.	4900.	4900.	2300.	130.	23000.	2200.	4900.	1700.	1700.	4900.
N.TOTAL MG/L		18.0	7.40	5.53	7.50	7.60	3.76	9.44	9.24	24.0	3.03	7.22	9.03
FOSF.TOT. MG/L		1.70	0.365	0.650	2.00	0.725	0.450	1.28	2.10	2.00	0.340	0.250	0.600
RES.TOTAL MG/L		316.	473.	416.	1150.	253.	609.	276.	483.	285.	234.	218.	255.
TURBIDEZ UNT		75.	100.	140.	160.	46.	75.	50.	90.	25.	30.	35.	25.
I.Q.A.		17.	25.	16.	18.	19.	33.	16.	14.	15.	23.	22.	39.
BARIO MG/L		0.13	0.14	0.11	0.09	0.04	0.06	0.13	0.09	0.09	L0.50	L0.50	L0.50
CADMIO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHUMBO MG/L		0.01	0.01	0.02	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.01	ND
COBRE MG/L		0.03	0.06	0.07	0.19	0.01	0.07	0.04	0.12	0.06	ND	0.04	0.02
CROMO MG/L		0.01	0.02	0.01 **	0.06	ND	0.03	ND	0.02	ND	ND	0.01	ND
ESTANHO MG/L		ND	ND	ND	0.01	ND	ND	ND	0.01	ND	ND	ND	ND
MERCURIO MG/L		L.0002	L.0002	0.0003	**0.0037	0.0003	0.0003	L.0002	0.0020	0.0002	L.0002	L.0002	L.0002
ZINCO MG/L		0.21	0.13	0.30	0.55	0.17	0.14	0.23	0.25	0.25	0.18	0.10	0.10
FENOL MG/L	1.0	**0.0600	**0.0510	**0.0550	**0.0020	**0.0480	**0.0140	**0.0590	** 0.214	** 0.149	**0.0670	**0.0360	**0.0820
INDICE DE TOXIDEZ.		0	0	0	0	0	0	0	0	0	0	0	0
TEMP.AR - GR.C		21.	19.	25.	22.	19.	15.	14.	10.	21.	18.	25.	23.
COLI.NMP/100ML		17000.	7900.	7900.	4900.	17000.	3300.	1300000.	14000.	23000.	79000.	13000.	14000.
FERRO MG/L		7.74	16.2	13.2	57.7	5.78	36.9	6.95	15.4	4.15	6.26	4.49	3.53
MANGANES MG/L		0.36	0.40	0.65	0.50	0.30	0.35	0.35	0.45	0.25	0.30	0.27	0.26
NIQUEL MG/L		0.05	0.14	0.18	0.28	0.04	0.25	0.06	0.17	0.05	ND	0.03	0.01
CLORETO MG/L		46.8	10.0	34.9	18.2	33.6	13.4	38.5	39.6	56.4	28.8	36.0	41.0
SODIO MG/L		113.	64.	65.	259.	104.	131.	133.	138.	140.	61.	67.	81.
SURFACT. MG/L		2.06	0.32	0.70	0.50	0.16	0.17	2.08	1.34	2.80	0.98	0.65	1.25
NITRATO MG/L		0.62	3.92	0.02	0.17	0.03	1.33	L0.02	0.04	L0.02	L0.02	0.48	L0.02
NITRITO MG/L		0.02	0.28	L0.005	0.33	0.07	0.13	0.02	0.40	0.01	0.01	0.54	L0.005
AMONIACO MG/L		6.30	1.80	2.80	2.50	4.50	1.60	5.50	7.00	7.90	2.90	4.70	7.10
NITROGENIO MG/L		18.0	3.20	5.50	7.00	7.50	2.30	9.40	8.80	24.0	3.00	6.20	9.00
RES.FIXO MG/L		227.	375.	340.	961.	206.	521.	196.	375.	202.	180.	163.	172.
RES.VOLAT.MG/L		89.	98.	76.	189.	47.	88.	80.	108.	83.	54.	55.	83.
COLORACAO		TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	MARROM	TURVA	MARROM	MARROM	TURVA	PRETA
CHUVAS		SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, NA BARRAGEM EDGARD DE SOUZA, PROXIMO DAS COMPORTAS — ANO - 83

CODIGO DO LOCAL - CISP02TE4100 — CLASSE - 4 — BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC84e8	JAN 05/08.40	FEV 03/09.15	MAR 03/08.30	ABR 06/09.10	MAI 04/08.20	JUN 07/07.35	JUL 05/08.35	AGO 03/09.25	SET 01/09.40	OUT 04/08.30	NOV 07/09.35	DEZ. 05/09.15.
.TEMP.AGUA	GR.C		23.	21.	26.	23.	21.	16.	17.	15.	21.	20.	24.	23..
.PH	UNID.PH		6.5	6.2	6.3	7.3	6.7	6.8	6.7	6.7	6.8	6.8	6.9	6.7.
.OX.DISSOL	MG/L	60.5	* 0.0	0.7	* 0.0	* 0.0	* 0.0	4.0	* 0.0	* 0.0	* 0.1	0.8	* 0.0	* 0.0.
.DBO(5,20)	MG/L		21.	6.	14.	25.	17.	11.	26.	22.	38.	26.	20.	32..
.CO.F.NMP/	100ML		3100.	490.	17000.	7900.	4900.	80.	490.	1100.	2300.	2200.	1700.	2200..
.N.TOTAL	MG/L		9.33	7.82	4.73	6.86	7.56	3.16	9.64	7.56	18.0	7.83	9.82	8.83.
.FOSF.TOT.	MG/L		0.925	0.350	0.310	1.10	0.625	0.495	1.00	1.30	1.70	0.630	0.550	0.650.
.RES.TOTAL	MG/L		331.	345.	219.	454.	192.	601.	235.	263.	276.	260.	224.	261..
.TURBIDEZ	UNT		58.	110.	64.	230.	40.	275.	45.	72.	31.	60.	36.	49..
	I.Q.A.		19.	22.	22.	16.	21.	30.	19.	19.	16.	22.	21.	17..
.BARIO	MG/L		0.15	0.12	0.09	0.12	0.08	0.10	0.09	0.05	0.11	L0.50	L0.50	L0.50.
.CADMIO	MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L		0.01	0.01	ND	0.01	ND	0.01	0.01	0.01	0.01	ND	ND	ND.
.COBRE	MG/L		0.05	0.04	0.02	0.10	0.02	0.05	0.03	0.04	0.05	0.04	0.02	0.01.
.CROMO	MG/L		0.01	0.01	ND	0.02	ND	0.03	ND	0.01	0.01	ND	ND	ND.
.ESTANHO	MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L		L.0002	0.0002	L.0002	0.0014	0.0002	0.0003	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L		0.18	0.10	0.04	0.30	0.12	0.13	0.16	0.08	0.25	0.11	0.08	0.12.
.FENOL	MG/L	1.0	**0.0560	**0.0130	**0.0300	**0.0210	**0.0460	**0.0110	**0.0390	**0.0830	** 0.127	**0.0440	**0.0460	** 0.171.
INDICE DE TOXIDEZ.			0	0	0	0	0	0	0	0	0	0	0	0 .
.TEMP.AR	-GR.C		21.	20.	25.	22.	19.	14.	13.	12.	23.	19.	26.	24..
.CO.T.NMP/	100ML		17000.	7000.	49000.	23000.	13000.	3300.	33000.	7900.	23000.	17000.	7900.	4900..
.FERRO	MG/L		6.96	13.9	4.53	37.9	4.88	34.4	5.42	6.24	4.88	5.54	4.82	4.86.
.MANGANES	MG/L		0.35	0.36	0.45	0.60	0.30	0.35	0.30	0.40	0.30	0.30	0.30	0.29.
.NIQUEL	MG/L		0.09	0.09	0.04	0.08	0.05	0.23	0.07	0.07	0.06	0.03	0.02	0.02.
.CLORETO	MG/L		23.1	10.0	29.6	20.8	33.6	12.4	32.6	34.6	52.1	35.4	32.0	40.0.
.D W O	MG/L		86.	52.	40.	171.	78.	122.	88.	68.	154.	65.	35.	98..
.SURFACT.	MG/L		2.14	0.48	0.68	0.65	0.56	0.16	1.46	1.20	2.40	1.55	1.09	1.66.
.N.NITRATO	MG/L		L0.02	4.00	L0.02	0.03	0.03	0.96	0.03	0.03	L0.02	L0.02	L0.02	L0.02.
.N.NITRITO	MG/L		0.01	0.82	L0.005	0.03	0.03	0.10	0.01	0.03	0.01	0.01	2.80	L0.005.
.N.AMONIACAL	MG/L		6.60	1.80	2.90	4.60	5.60	1.30	6.50	7.00	8.50	5.30	5.00	8.50.
.NITROGENIO.	MG/L		9.30	3.00	4.70	6.80	7.50	2.10	9.60	7.50	18.0	7.80	7.00	8.80.
.RES.FIXO	MG/L		237.	266.	157.	355.	151.	510.	178.	194.	207.	206.	166.	192..
.RES.VOLAT.	MG/L		94.	78.	62.	99.	41.	91.	57.	69.	69.	54.	58.	69..
.COLORACAO			TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	MARROM	TURVA	PRETA	MARROM	TURVA	PRETA.
.CHUVAS			SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.
.VAZAO	M3/S													

LOS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, NA BARRAGEM DE PIRAPORA, PROXIMO DAS COMPORTAS — ANO - 83

CODIGO DO LOCAL - 01SP02TE4200 — CLASSE - 4 — BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC 8468	JAN 05/10.10	FEV 03/10.45	MAR 03/09.45	ABR 04/09.00	MAI 07/08.40	JUN 05/09.20	JUL 03/10.20	AGO 01/10.20	SET 04/09.00	OUT 07/10.30	NOV 05/09.45	DEZ.
TEMP.AGUA GR.C		23.	21.	26.	21.	16.	18.	16.	22.	21.	24.	24.	
PH UNID.PH		6.5	6.0	6.3	6.6	6.4	6.7	6.6	6.9	6.8	6.9	6.7	
OX.DISSOL. MG/L	GO.5	* 0.0	* 0.4	* 0.0	* 0.0	3.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	
DBO(5,20) MG/L		6.	6.	14.	8.	4.	14.	15.	20.	12.	8.	13.	
CO.F.NMP/100ML		330.	170.	130.	170.	790.	280.	79.	330.	230.	330.	220.	
N.TOTAL MG/L		5.24	7.15	5.03	5.60	3.24	7.33	7.94	33.0	6.34	4.94	8.43.	
FOSF.TOT. MG/L		0.325	0.296	0.390	0.500	0.235	0.550	0.950	0.775	0.530	0.485	0.425.	
RES.TOTAL MG/L		216.	263.	253.	193.	233.	206.	207.	220.	195.	183.	226.	
TURBIDEZ UNT		60.	130.	110.	34.	120.	40.	41.	25.	50.	45.	42.	
I.Q.A.		24.	22.	19.	24.	31.	23.	22.	19.	23.	25.	23.	
BARIO MG/L		0.09	0.12	0.07	0.05	0.03	0.05	0.03	0.11	LO.50	LO.50	LO.50.	
CADMIO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.	
CROMO MG/L		0.01	0.01	0.01	ND	ND	0.01	0.01	ND	ND	ND	ND.	
COBRE MG/L		0.03	0.04	0.05	0.01	0.01	0.02	0.02	0.03	0.01	0.02	0.03.	
CROMO MG/L		ND	0.01	ND	ND	0.01	ND	ND	ND	ND	0.03	0.01.	
ESTANHO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.	
MERCURIO MG/L		L.0002	L.0002	0.0003	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.	
ZINCO MG/L		0.65	0.06	0.05	0.07	0.04	0.10	0.09	0.18	0.07	0.05	0.08.	
FENOL MG/L	1.0	**0.0070	**0.0080	**0.0170	**0.0080	**0.0030	**0.0400	**0.0760	** 0.127	**0.0260	**0.0080	**0.0110.	
INDICE DE TOXIDEZ.		G	G	G	0	0	0	0	0	0	0	0 .	
TEMP.AR -GR.C		20.	20.	27.	19.	14.	17.	12.	25.	20.	28.	24.	
CO.T.NMP/100ML		2306.	490.	1300.	1700.	4900.	2300.	330.	330.	790.	3300.	790.	
FERRO MG/L		5.78	9.84	8.20	4.20	8.40	4.32	3.57	4.13	4.25	4.33	4.41.	
MANGANES MG/L		0.34	0.39	0.45	0.36	0.28	0.40	0.30	0.30	0.35	0.82	0.33.	
NIQUEL MG/L		0.03	0.10	0.03	0.03	0.08	0.02	0.03	0.03	0.02	0.09	0.03.	
CLORETO MG/L		40.4	10.0	27.0	29.0	14.8	34.7	33.2	42.0	29.0	24.0	33.0.	
DUREZA MG/L		35.	56.	48.	57.	72.	60.	57.	86.	41.	35.	61.	
SURFACT. MG/L		0.91	0.56	0.59	0.19	0.15	1.38	1.50	2.10	1.25	0.50	1.22.	
N.NITRATO MG/L		0.02	3.40	LO.02	0.03	0.57	LO.02	0.02	LO.02	0.03	LO.02	LO.02.	
N.NITRITO MG/L		0.02	0.05	LO.005	0.07	0.17	0.01	0.02	0.01	0.01	0.02	LO.005.	
N.AMONIAC MG/L		4.00	3.10	4.50	3.90	2.20	5.30	6.80	7.40	4.30	3.70	7.50.	
NI.KJELD. MG/L		5.20	3.70	5.00	5.50	2.50	7.30	7.90	33.0	6.30	4.90	8.40.	
RES.FIXO MG/L		156.	219.	184.	154.	193.	155.	154.	153.	151.	131.	160.	
RES.VOLAT. MG/L		57.	44.	69.	39.	40.	51.	53.	67.	44.	52.	66.	
COLORACAO		TURVA	TURVA	MARROM	TURVA	MARROM	MARROM	PRETA	PRETA	MARROM	TURVA	PRETA.	
CHUVAS		SIM	SIM	NAO	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.	
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DE TANQUE GRANDE, JUNTO A BARRAGEM — ANO - 83

CODIGO DO LOCAL - 01SP02TG2200 — CLASSE - 1 — BACIA - TIETE ALTO-ZONA METROPOLITANA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 03/10.10	FEV 01/16.00	MAR 02/11.10	ABR	MAI 04/15.00	JUN	JUL	AGO	SET	OUT 04/14.30	NOV 08/12.50	DEZ.
TEMP.AGUA GR.C		25.	26.	23.		18.					20.	24.	
PH UNID.PH		6.3	6.8	6.7		7.1					6.9	7.1	
OXI.DISSOL MG/L		7.6	6.6	8.0		8.5					7.2	7.4	
DBO(5,20) MG/L		1.	2.	2.		2.					1.	2.	
COLI.F.NMP/100ML		* 4.9	* 17.	0.017		0.33					0.23	0.17	
N.TOTAL MG/L		0.64	0.31	0.25		0.64					0.26	0.47	
FOSF.TOT. MG/L		0.055	0.050	0.035		0.030					0.045	0.090	
RES.TOTAL MG/L		66.	69.	49.		43.					53.	39.	
TURBIDEZ UNT		46.	29.	9.5		9.5					37.	4.0	
I.Q.A.		63.	59.	86.		77.					75.	79.	
BARIO MG/L													
CALMIO MG/L													
CHUMBO MG/L													
COBRE MG/L													
CROMO MG/L													
ESTANHO MG/L													
MERCURIO MG/L													
ZINCO MG/L													
FENOL MG/L													
INDICE DE TOXIDEZ.													
TEMP.AR -GR.C		25.	27.	27.		19.					23.	29.	
COLI.T.NMP/100ML		* 130.	* 49.	1.1		1.3					0.79	0.7	
FERRO MG/L													
MANGANES MG/L													
NIQUEL MG/L													
CLORETO MG/L		2.7	1.5	1.9		3.6					1.8	1.5	
DUREZA MG/L		16.	24.	26.		10.					11.	22.	
SURFACT. MG/L													
N.NITRATO MG/L		0.23	0.10	0.14		0.13					0.15	0.06	
N.NITRITO MG/L		0.01	L0.005	L0.005		0.01					0.01	L0.005	
N.AMONIACO MG/L		0.01	0.12	0.07		0.05					0.03	0.05	
NI.ORGANICO MG/L		0.40	0.20	0.10		0.50					0.10	0.40	
RES.FIXO MG/L													
RES.VOLAT. MG/L													
COLORACAO		TURVA	MARROM	TURVA		TURVA					MARROM	LIMPID	
CHUVAS		NAO	NAO	NAO		NAO					NAO	NAO	
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA BILLINGS, PONTE NA MARGINAL DA VIA ANCHIETA ANC - 83

CODIGO DO LOCAL - 01SF03BI2100 CLASSE - 2 BACIA - BILLINGS

NAO ATENDEM ACS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC84c8	JAN 04/11.00	FEV 02/09.20	MAR 02/11.30	ABR 05/11.10	MAI 03/11.40	JUN 07/09.30	JUL 04/12.15	AGO 02/13.25	SET 05/12.00	OUT 05/12.45	NOV 07/12.30	DEZ. 01/11.55.
.TEMP.AGUA	GR.C		25.	24.	25.	24.	22.	19.	19.	17.	18.	19.	23.	25..
.PH	UNID.PH		6.5	6.9	6.2	7.0	7.1	6.4	6.6	6.4	6.8	6.7	6.9	7.1.
.OX.DISSOL	MG/L	5	7.6	6.5	6.2	7.1	7.4	6.7	7.8	6.7	7.6	8.2	8.2	7.5.
.DBO(5,20)	MG/L	5	L1.	1.	2.	1.	3.	2.	1.	2.	2.	L1.	L1.	1..
.COL.F.NMP/	100ML	1000	0.005	0.49	0.17	0.079	0.31	* 3.3	0.004	0.022	0.006	L0.002	0.002	L0.002.
.N.TOTAL	MG/L		1.28	0.99	0.89	0.79	1.72	0.92	1.28	0.60	1.46	1.18	1.51	1.52.
.FOSF.TOT.	MG/L		0.045	0.030	0.045	0.045	0.025	0.030	0.025	0.045	0.120	0.060	0.100	0.135.
.RES.TOTAL	MG/L		140.	131.	137.	115.	123.	132.	114.	113.	114.	111.	100.	109..
.TURBIDEZ	UNT		1.7	1.6	3.1	3.8	2.4	3.0	1.6	3.4	1.6	1.5	0.95	1.5.
	I.Q.A.		51.	75.	75.	82.	76.	66.	90.	82.	87.	93.	93.	93..
.BARIO	MG/L	1.0	0.06	0.05	0.11	0.05	0.02	0.04	0.05	0.04	0.03	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	0.01	ND	0.01	ND	0.01	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.03	ND	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.02	0.03.
.CROMO	MG/L	0.05	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	L0.001	0.01	0.01	0.01	0.02	L0.001	0.01	0.05	0.05	0.02	0.01	0.04.
.FENOL	MG/L	0.001	L0.001	L0.001	0.0010	$0.0110	0.0010	L0.001	0.0010	0.0010	$0.0020	0.0010	0.0010	0.0010.
INDICE DE TOXIDEZ.			1	1	1	0	1	1	1	1	0	1	1	1.
.TEMP.AR	-GR.C		24.	20.	28.	26.	21.	16.	22.	14.	17.	22.	27.	28..
.COL.T.NMP/	100ML	5000	0.17	* 24.	0.49	0.49	2.2	4.9	0.13	1.7	1.3	0.049	0.017	L0.002.
.FERRO	MG/L		0.21	0.23	0.25	0.16	0.22	0.32	0.17	0.38	0.11	0.16	0.17	0.25.
.MANGANES	MG/L		0.02	0.06	0.04	0.08	0.04	0.07	0.05	0.11	0.02	0.02	0.01	0.03.
.NIQUEL	MG/L		ND	ND	ND	ND	ND	ND	0.02	0.01	ND	ND	ND	ND.
.CLORETO	MG/L		46.8	49.4	51.3	47.8	46.6	44.2	42.0	38.7	41.8	39.4	39.0	38.0.
.DUREZA	MG/L		18.	10.	16.	15.	27.	33.	13.	12.	28.	11.	11.	8..
.SURFACT.	MG/L		L0.04	0.05	0.04	0.04	0.07	0.05	0.05	0.07	L0.04	L0.04	L0.04	L0.04.
.N.NITRATO	MG/L	10.0	0.15	0.08	0.08	0.08	0.47	0.40	0.37	0.40	0.44	0.45	0.40	0.40.
.N.NITRITO	MG/L	1.0	0.03	L0.005	L0.005	L0.005	0.05	0.02	0.01	0.10	0.02	0.03	L0.005	0.02.
.N.AMONIACAL	MG/L	0.5	0.18	0.51	0.12	0.27	0.02	0.43	0.02	0.09	0.11	0.20	0.03	0.09.
.NITROGENIO	MG/L		1.10	0.90	0.80	0.70	1.20	0.50	0.90	0.10	1.00	0.70	1.10	1.10.
.RES.FIXO	MG/L		111.	105.	112.	94.	108.	114.	93.	92.	96.	85.	76.	86..
.RES.VOLAT.	MG/L		29.	26.	25.	21.	15.	18.	21.	21.	18.	26.	24.	23..
.COLORACAO			LIMPID	LIMPID	VERDE	VERDE	VERDE	LIMPID	VERDE	VERDE	LIMPID	VERDE	LIMPID	VERDE.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	SIM	SIM	NAO	NAO	SIM.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA BILLINGS, PONTE NA RODOVIA DOS IMIGRANTES ANO - 83

CODIGO DO LOCAL - 01SP03812500 CLASSE - 2 BACIA - BILLINGS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (&) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468	JAN 04/12.45	FEV	MAR 02/13.10	ABR 05/10.05	MAI 03/14.00	JUN 07/13.25	JUL 04/09.25	AGO 02/10.00	SET 05/15.55	OUT 05/09.45	NOV 07/14.30	DEZ 01/10.40
.TEMP.AGUA GR.C		25.		26.	24.	22.	14.	19.	18.	18.	19.	23.	25..
.PH UNID.PH		7.2		6.5	6.9	7.1	6.7	6.8	6.8	6.7	8.5	8.5	8.9.
.OX.DISSOL MG/L	5	* 3.1		* 4.9	* 2.5	* 4.0	* 0.7	* 2.5	5.8	7.4	9.3	8.9	6.4.
.DBO(5,20) MG/L	5	3.		2.	* 16.	* 6.	* 7.	3.	2.	4.	1.	4.	* 7..
.CO.F.NMP/100ML	1000	0.065		L0.002	L0.002	0.017	0.011	0.002	0.007	0.007	L0.002	0.017	0.014.
.N.TOTAL MG/L		8.34		4.42	4.70	4.50	3.44	3.50	2.40	3.28	3.22	4.08	3.54.
.FOSF.TOT. MG/L		0.825		0.140	0.100	0.125	0.055	0.040	0.045	0.070	0.080	0.250	0.160.
.RES.TOTAL MG/L		212.		161.	144.	135.	133.	124.	122.	126.	124.	119.	127..
.TURBIDEZ UNT		4.0		4.9	3.7	4.0	1.9	2.0	2.7	8.5	15.	1.0	8.0.
I.Q.A.		63.		81.	59.	68.	50.	67.	83.	81.	86.	79.	71..
.BARIO MG/L	1.0	0.68		0.07	L0.02	L0.02	0.03	0.07	0.04	L0.02	L0.50	L0.50	L0.50.
.CADMIO MG/L	0.01	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO MG/L	0.1	0.02		ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND.
.COBRE MG/L	1.0	ND		ND	ND	ND	ND	ND	0.01	0.01	ND	0.01	ND.
.CROMO MG/L	0.05	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO MG/L	2.0	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO MG/L	0.002	0.0004		L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO MG/L	5.0	L0.001		0.01	0.01	0.02	L0.001	L0.001	L0.001	0.05	0.01	0.01	0.01.
.FENOL MG/L	0.001	L0.001		L0.001	$0.0110	0.0010	$0.0020	$0.0020	L0.001	0.0010	$0.0020	0.0010	0.0010.
INDICE DE TOXIDEZ.		1		1	0	1	0	0	1	1	0	1	1 .
.TEMP.AR GR.C		24.		23.	25.	20.	14.	17.	13.	20.	22.	22.	28..
.CO.F.NMP/100ML	5000	3.3		* 23.	0.22	* 7.	1.3	0.23	2.3	0.13	0.034	0.33	0.22.
.FERRO MG/L		0.12		0.30	0.17	0.35	0.28	0.13	0.35	0.38	0.24	0.43	0.22.
.MANGANES MG/L		0.11		0.05	0.08	0.10	0.09	0.09	0.04	0.05	0.02	0.02	0.03.
.NIQUEL MG/L		ND		0.01	ND	0.01	0.01	0.01	0.01	ND	ND	0.01	ND.
.CLORETO MG/L		41.2		29.2	25.7	23.5	22.1	20.7	18.5	21.6	20.1	17.0	18.0.
.DUREZA MG/L		36.		L6.	39.	23.	33.	20.	16.	28.	18.	39.	38..
.SURFACT. MG/L		0.25		0.24	0.17	0.16	0.17	0.15	0.12	0.12	0.09	0.08	0.09.
.N.NITRATO MG/L	10.0	0.07		0.35	2.59	2.48	1.58	1.88	1.93	1.44	1.68	1.16	0.88.
.N.NITRITO MG/L	1.0	0.17		0.77	0.31	0.22	0.26	0.52	0.07	0.04	0.04	0.62	0.06.
.N.AMONIACAL MG/L	0.5	* 6.00		* 2.80	0.49	0.17	* 0.99	0.21	0.06	0.07	0.11	0.15	0.10.
.NITROGENIO MG/L		8.50		3.30	1.80	1.80	1.60	1.10	0.40	1.80	1.50	2.30	2.60.
.RES.FIXO MG/L		147.		125.	98.	115.	106.	89.	90.	96.	87.	68.	69..
.RES.VOLAT.MG/L		65.		36.	46.	20.	27.	35.	32.	30.	37.	51.	58..
.COLORACAO		VERDE		VERDE	VERDE	VERDE	LIMPID	AMAREL	VERDE	VERDE	VERDE	VERDE	VERDE.
.CHUVAS		SIM		SIM	NAO	SIM	SIM	NAO	SIM	SIM	NAO	NAO	SIM.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA BILLINGS, NA BARRAGEM DO SUMMIT CONTROL — ANO - 83

CODIGO DO LOCAL - QLSF03BI2900 — CLASSE - 2 — BACIA - BILLINGS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC 8468	JAN 04/12.10	FEV 02/12.10	MAR 02/12.30	ABR 05/10.45	MAI 03/13.15	JUN 07/12.50	JUL 04/10.20	AGO 02/10.50	SET 05/14.55	OUT 05/10.25	NOV 07/13.50	DEZ. 01/11.15.
.TEMP.AGUA GR.C			25.	21.	27.	24.	22.	16.	19.	17.	18.	19.	22.	26..
.PH UNID.PH			7.1	7.0	6.7	6.0	6.7	6.7	6.8	7.1	7.0	8.7	9.5	9.2.
.OX.DISSOL MG/L		5	8.3 *	0.9 *	7.8	9.6 *	2.4 *	2.6 *	3.3	8.4	7.9	9.6	9.9	9.2.
.DBO(5,20) MG/L		5	* 16. *	11. *	8. *	8.	4.	2.	2.	1.	3.	1.	3.	3..
.CO.F.NMP/100ML		1000	0.066	0.002	0.008	LO.002	LO.002	0.017	0.004	LO.002	0.026	LO.002	0.002	0.004.
.N.TOTAL MG/L			6.74	5.50	4.72	3.76	3.40	2.56	2.98	2.06	2.62	2.26	3.42	2.60.
.FOSF.TOT. MG/L			0.625	0.375	0.220	0.145	0.105	0.070	0.045	0.055	0.060	0.080	0.205	0.130.
.RES.TOTAL MG/L			213.	185.	167.	155.	134.	129.	124.	114.	120.	112.	120.	121..
.TURBIDEZ UNT			3.0	3.0	11.	17.	2.1	3.0	2.0	3.5	6.5	18.	4.0	2.0.
		I.Q.A.	73.	50.	76.	78.	66.	64.	72.	91.	82.	85.	75.	77..
.BARIO	MG/L	1.0	0.06	0.07	0.04	LO.02	LO.02	LO.02	0.05	0.03	LO.02	LO.50	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	0.61	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND.
.COBRE	MG/L	1.0	ND	ND	ND	ND	ND	ND	ND	0.01	0.02	0.02	0.03	0.01.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	LO.001	0.01	0.01	0.03	0.01	LO.001	LO.001	LO.001	0.04	0.01	0.01	0.02.
.FENOL	MG/L	0.001	LO.001	LO.001	0.0010	$0.0120	0.0010	LO.001	$0.0030	0.0010	$0.0020	0.0010	$0.0020	$0.0020.
. INDICE DE TOXIDEZ.			1	1	1	0	1	1	0	1	0	1	0	0 .
.TEMP.AR GR.C			24.	17.	29.	26.	20.	15.	17.	14.	17.	19.	21.	29..
.CO.T.NMP/100ML		5000	3.3	0.23	0.14	0.07	0.07	0.49	0.49	0.22	0.79	0.22	0.049	0.079.
.FERRO MG/L			0.15	0.12	0.21	0.23	0.39	0.52	0.29	0.30	0.31	0.21	0.56	0.25.
.MANGANES MG/L			0.16	0.11	0.04	0.04	0.14	0.13	0.09	0.03	0.03	0.02	0.02	0.02.
.NIQUEL MG/L			ND	ND	ND	ND	ND	0.01	ND	ND	0.01	0.02	ND	ND.
.CLORETO MG/L			40.8	37.6	35.1	30.6	26.2	24.4	22.9	22.6	21.8	18.7	18.0	18.0.
.DUREZA MG/L			37.	22.	37.	39.	27.	29.	10.	16.	40.	18.	35.	27..
.SURFACT. MG/L			0.29	0.29	0.25	0.20	0.14	0.15	0.13	0.11	0.12	0.08	0.08	0.07.
.N.NITRATO MG/L		10.0	0.29	2.24	1.45	1.79	2.24	1.92	1.81	1.62	1.19	0.93	1.01	0.66.
.N.NITRITO MG/L		1.0	0.15	0.46	0.67	0.17	0.06	0.04	0.07	0.04	0.03	0.03	0.01	0.04.
.N.AMONIACAL MG/L		0.5	* 5.10 *	2.20	0.50	0.02	0.01	0.18	0.03	LO.005	0.05	0.11	0.10	0.05.
.NITROGENIO. MG/L			6.30	2.80	2.60	1.80	1.10	0.60	1.10	0.40	1.40	1.30	2.40	1.90.
.RES.FIXO MG/L			136.	134.	116.	101.	111.	104.	92.	84.	94.	69.	77.	83..
.RES.VOLAT.MG/L			77.	51.	51.	54.	23.	25.	32.	30.	26.	43.	43.	38..
.COLORACAO			VERDE	VERDE	VERDE	VERDE	VERDE	VERDE	AMAREL	VERDE	VERDE	VERDE	VERDE	VERDE.
.CHUVAS			SIM	SIM	SIM	NAO	SIM	SIM	NAO	SIM	SIM	NAO	NAO	SIM.

.VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DO RIO GRANDE, NO CLUBE PRAINHA CAMPING NAUTICA — ANO - 83

CODIGO DO LOCAL - CLSP03LR2010 — CLASSE - 2 — BACIA - BILLINGS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID	PADROES DEC 8468	JAN	FEV 09/14.50	MAR 02/10.05	ABR 05/13.00	MAI 03/10.55	JUN 07/10.30	JUL 04/11.40	AGO 02/12.15	SET 05/14.05	OUT 05/11.45	NOV 07/12.00	DEZ 01/13.30
TEMP.AGUA	GR.C			24.	27.	24.	22.	17.	19.	17.	18.	19.	24.	26.
PH	UNID.PH			7.2	6.2	7.6	7.8	6.5	6.5	6.7	6.8	5.6	6.8	6.6
OXI.DISSOL	MG/L	5		7.9	6.9	9.4	8.6	7.0	8.8	9.2	6.9	8.1	8.4	8.4
DBO(5,20)	MG/L	5		2.	3.	1.	4.	2.	2.	3.	4.	L1.	4.	2.
COL.F.NMP/100ML		1000		0.005	0.23	L0.002	L0.002	0.11	0.009	0.007	0.008	L0.002	0.017	L0.002
N.TOTAL	MG/L			1.17	0.47	0.69	1.54	1.12	1.26	0.74	2.06	1.34	1.70	1.48
FOS.TOT.	MG/L			0.060	0.110	0.035	0.075	0.070	0.020	0.030	0.080	0.055	0.135	0.090
RES.TOTAL	MG/L			153.	135.	128.	127.	129.	110.	122.	122.	116.	104.	116.
TURBIDEZ	UNT			1.6	4.1	2.5	2.5	9.9	3.1	2.1	4.9	3.7	2.5	1.5
I.Q.A.				89.	74.	91.	88.	76.	87.	88.	82.	84.	83.	89.
BARIO	MG/L	1.0		0.04	0.07	0.05	L0.02	0.03	L0.02	0.03	L0.02	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0		ND	ND	0.01	ND	ND	ND	ND	0.01	ND	ND	ND
CROMO	MG/L	0.05		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ESTANHO	MG/L	2.0		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0		L0.001	L0.001	0.01	0.01	L0.001	L0.001	L0.001	0.06	0.02	0.01	0.01
PENOL	MG/L	0.001		L0.001	L0.001	$0.0120	L0.001	L0.001	$0.0020	$0.0020	$0.0030		0.0010	L0.001
INDICE DE TOXIDEZ				1	1	0	1	1	0	0	0		1	1
TEMP.AR	-GR.C			19.	25.	26.	21.	16.	20.	14.	17.	22.	26.	28.
COL.T.NMP/100ML		5000		0.013	3.3	0.002	0.28	4.9	0.13	0.07	0.79	0.017	0.049	0.011
FERRO	MG/L			0.23	0.51	0.23	0.70	0.97	0.42	0.30	0.51	0.35	0.35	0.25
MANGANES	MG/L			0.03	0.08	0.03	0.04	0.12	0.08	0.05	0.13	0.12	0.07	0.05
NIQUEL	MG/L			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CLORETO	MG/L			49.2	50.2	50.7	46.5	47.5	40.1	45.2	48.0	39.8	37.0	44.0
DUREZA	MG/L			16.	16.	15.	27.	18.	17.	16.	21.	18.	55.	15.
SURFACT.	MG/L			0.04	0.04	0.05	L0.04	0.06	0.05	0.05	0.06	0.04	L0.04	L0.04
N.NITRATO	MG/L	10.0		0.08	0.06	0.08	0.11	0.19	0.23	0.26	0.24	0.32	0.50	0.16
N.NITRITO	MG/L	1.0		L0.005	L0.005	L0.005	0.03	0.03	0.03	0.08	0.02	0.02	0.20	0.02
N.AMONIACO	MG/L	0.5		0.41	0.09	0.13	0.07 *	0.60	0.04	0.20	0.31	0.21	0.21	0.09
NI.NJELD.	MG/L			1.10	0.40	0.60	1.40	0.90	1.00	0.40	1.80	1.00	1.00	1.30
RES.FIXO	MG/L			116.	106.	106.	105.	107.	91.	100.	101.	90.	80.	90.
RES.VOLAT.	MG/L			37.	29.	22.	22.	22.	19.	22.	21.	26.	24.	26.
COLORACAO				LIMPID	AMAREL	VERDE	VERDE	LIMPID	AMAREL	VERDE	LIMPID	AMAREL	LIMPID	VERDE
ONDAS				SIM	SIM	NAO	SIM	SIM	NAO	SIM	SIM	NAO	NAO	SIM

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO GRANDE OU JURUBATUBA, PTE NA ENTRADA DE RIO GRANDE DA SERRA ANO - 83

CODIGO DO LOCAL - CCSP03GR2100 CLASSE - 2 BACIA - BILLINGS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID	PADROES DEC 8468	JAN 04/09.40	FEV 02/10.20	MAR 02/09.50	ABR 05/12.20	MAI 03/10.10	JUN 07/11.30	JUL 04/11.10	AGO 02/11.35	SET 05/13.20	OUT 05/11.10	NOV 07/11.20	DEZ 01/12.45
TEMP.AGUA	GR.C		26.	20.	26.	24.	21.	15.	19.	17.	16.	18.	24.	27..
PH	UNID.PH		6.5	6.3	5.9	6.0	6.3	5.8	6.3	6.4	6.0	5.8	6.3	6.8.
OX.DISSOL	MG/L	5	7.5	* 2.9	* 4.3	* 3.1	* 1.4	5.0	* 3.4	* 3.3	* 4.3	* 3.7	* 2.1	* 1.4.
DBO(5.20)	MG/L	5	4.	* 6.	3.	3.	* 7.	1.	1.	2.	2.	2.	2.	5..
CO.F.NMP/100ML		1000	0.002	* 2.3	0.49	* 3.3	* 13.	* 1.7	* 1.7	* 4.9	* 2.3	0.009	* 33.	* 1.3.
N.TOTAL	MG/L		0.94	0.89	1.73	1.36	1.56	0.64	1.64	1.36	1.72	1.16	2.22	1.82.
FOSF.TOT.	MG/L		0.060	0.205	0.105	0.130	0.205	0.100	0.070	0.145	0.115	0.105	0.240	0.240.
RES.TOTAL	MG/L		206.	121.	172.	250.	218.	107.	166.	182.	140.	150.	157.	246..
TURBIDEZ	UNT		2.0	30.	7.9	20.	5.1	27.	5.4	16.	12.	7.0	4.5	4.5.
I.Q.A.			85.	49.	62.	50.	39.	58.	57.	51.	55.	67.	43.	47..
BARIO	MG/L	1.0	LO.02	0.03	0.04	LO.02	0.06	LO.02	0.07	0.03	LO.02	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO6	MG/L	0.1	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	ND	0.01	ND	ND	ND	0.01	ND	0.01	0.01	0.01	ND	ND.
CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	$0.0023	L.0002	0.0004	0.0006	0.0010	0.0011	0.0004	0.0004	0.0006	0.0004	0.0004.
ZINCO	MG/L	5.0	LO.01	0.02	0.01	0.03	0.02	0.02	0.01	0.02	0.10	0.07	0.01	0.02.
FENOL	MG/L	0.001	LO.001	0.0010	LO.001	$0.0120	0.0010	LO.001	$0.0040	$0.0020	$0.0020	$0.0020	$0.0020	$0.0020.
INDICE DE TOXIDEZ.			1	0	1	0	1	1	0	0	0	0	0	0 .
TEMP.AR	-GR.C		22.	19.	25.	25.	20.	15.	21.	14.	17.	22.	22.	31..
CO.T.NMP/100ML		5000	0.094	3.3	3.3	4.9	* 33.	* 7.9	3.3	* 31.	* 7.9	2.3	* 49.	* 33..
FERRO	MG/L		0.51	3.60	1.92	2.04	2.05	2.87	1.76	2.07	1.70	1.54	2.11	2.87.
MANGANES	MG/L		0.07	0.05	0.13	0.14	0.19	0.08	0.10	0.12	0.16	0.15	0.18	0.23.
NIQUEL	MG/L		ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
CLORETO	MG/L		72.3	21.8	69.9	91.8	98.5	31.0	74.7	75.8	56.4	50.7	60.0	118..
[illegible]	MG/L		26.	36.	16.	23.	23.	33.	17.	16.	21.	11.	11.	19..
SURFACT.	MG/L		0.04	0.05	0.05	0.06	0.05	0.04	0.06	0.05	LO.04	LO.04	0.05	0.07.
N.NITRATO	MG/L	10.0	0.63	0.18	LO.02	0.25	0.11	0.32	0.33	0.24	0.40	0.35	0.49	0.10.
N.NITRITO	MG/L	1.0	0.01	LO.005	LO.005	0.01	0.05	0.02	0.01	0.02	0.02	0.01	0.23	0.02.
N.AMONIACO	MG/L	0.5	0.02	0.25	0.02	0.14	0.08	0.11	0.07	0.46	0.37	0.28	0.30	0.15.
NI.KJELD.	MG/L		0.90	0.70	1.70	1.10	1.40	0.30	1.30	1.10	1.30	0.80	1.50	1.70.
RES.FIXO	MG/L		159.	83.	140.	206.	189.	81.	148.	157.	12.	104.	132.	215..
RES.VOLAT.	MG/L		46.	38.	32.	44.	29.	26.	18.	25.	128.	46.	25.	31..
COLORACAO			LIMPID	TURVA	MARROM	TURVA	AMAREL	TURVA	AMAREL	AMAREL	TURVA	AMAREL	AMAREL	AMAREL.
CHUVAS			SIM	SIM	SIM	NAO	SIM	SIM	NAO	SIM	SIM	NAO	NAO	SIM.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO COTIA, PONTE NA RODOVIA RAPOSO TAVARES, KM 28,5 ANO - 83

CODIGO DO LOCAL - CQSP04CQ2030 CLASSE - 3 BACIA - COTIA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (\$) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 05/15.05	FEV 03/14.50	MAR 03/12.25	ABR 06/14.00	MAI 04/11.40	JUN 07/12.55	JUL 05/11.35	AGO 03/13.45	SET 01/12.45	OUT 04/11.45	NOV 07/14.25	DEZ. 05/12.20.
.TEMP.AGUA	GR.C		22.	25.	25.	21.	22.	17.	17.	15.	20.	22.	23.	24..
.PH	UNID.PH		6.7	6.4	6.5	6.4	6.1	6.7	6.4	8.2	6.7	6.7	7.1	7.3.
.OX.DISSOL	MG/L	4	* 2.7	* 3.6	* 2.4	4.4	* 3.7	6.1	5.9	5.5	4.9	4.8	4.8	6.1.
.DBO(5,20)	MG/L	10	* 13.	1.	4.	11.	2.	1.	* 16.	* 33.	4.	6.	5.	2..
.CO.F.NMP/100ML		4000	* 7.9	2.3	* 13.	* 49.	* 4.9	2.3	2.3	* 23.	* 7.9	* 130.	* 33.	* 13..
.N.TOTAL	MG/L		7.68	1.41	1.35	0.34	2.70	0.48	2.66	3.84	3.05	2.72	2.86	2.19.
.PO5.P.TOT.	MG/L		0.310	0.070	0.080	0.115	0.095	0.080	0.045	0.090	0.110	0.065	0.260	0.095.
.RES.TOTAL	MG/L		228.	82.	97.	89.	68.	80.	55.	115.	64.	66.	52.	76..
.TURBIDEZ	UNT		75.	39.	22.	70.	7.0	55.	6.6	20.	4.9	10.	7.4	7.0.
	I.Q.A.		38.	56.	46.	47.	54.	63.	55.	36.	57.	47.	51.	61..
.BARIO	MG/L	1.0	0.11	0.05	0.04	L0.02	0.02	L0.02	0.07	0.05	0.07	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.01	0.01	ND	ND	ND	ND	0.02	0.01	ND	ND	ND.
.CROMO	MG/L	0.05	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	0.0004	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.03	0.01	L0.001	L0.001	L0.001	L0.001	0.01	0.01	0.01	0.02	0.03	0.02.
.FENOL	MG/L	0.001	\$0.0300	\$0.0100	\$ 0.170	\$ 0.150	\$0.0150	\$0.0030	\$0.0220	\$0.0490	\$0.0410	\$0.0500	\$0.0450	\$0.0510.
. INDICE DE TOXIDEZ.			0	0	0	0	0	0	0	0	0	0	0	0 .
.TEMP.AR	-GR.C		16.	23.	30.	22.	24.	18.	25.	14.	28.	27.	27.	27..
.CO.T.NMP/100ML		20000	* 460.	7.9	* 33.	* 130.	* 33.	11.	7.9	* 33.	* 33.	* 330.	* 33.	* 23..
.FERRO	MG/L		9.72	2.80	2.18	4.13	1.14	3.61	0.87	0.79	0.89	0.96	1.41	1.27.
.MANGANES	MG/L		0.18	0.03	0.06	0.08	0.05	0.02	0.03	0.05	0.05	0.05	0.06	0.05.
.NIQUEL	MG/L		0.02	0.01	ND	0.01	ND	0.01	ND	0.01	ND	ND	ND	ND.
.CLORETO	MG/L		18.8	4.8	10.9	7.7	8.5	2.7	6.2	13.8	10.0	7.3	4.9	4.0.
.O.D.	MG/L		56.	20.	15.	30.	25.	18.	30.	65.	20.	11.	27.	26..
.SURFACT.	MG/L		0.09	0.05	L0.04	0.12	0.04	L0.04	0.04	L0.04	0.05	L0.04	L0.04	0.05.
.N.NITRATO	MG/L	10.0	0.65	0.50	0.04	0.11	0.07	0.26	0.14	0.12	0.04	0.11	0.09	0.08.
.N.NITRITO	MG/L	1.0	0.03	0.01	L0.005	0.03	0.03	0.02	0.02	0.02	L0.005	0.01	0.87	L0.005.
.N.AMONIACO	MG/L	0.5	* 3.40	0.49	* 1.10	0.13	* 0.86	0.10	0.12	0.39	* 1.70	* 1.70	* 1.10	0.04.
.NITROGENIO	MG/L		7.00	0.90	1.30	0.20	2.60	0.20	2.50	3.70	3.00	2.60	1.90	2.10.
.RES.FIXO	MG/L		138.	58.	76.	13.	52.	59.	33.	57.	35.	49.	35.	46..
.RES.VOLAT.	MG/L		85.	24.	21.	76.	16.	21.	22.	58.	29.	17.	17.	30..
.COLORACAO			TURVA	TURVA	MARROM	MARROM	VERDE	MARROM	VERDE	AMAREL	AMAREL	VERDE	TURVA	AMAREL.
.CHUVAS			SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO COTIA, NA ENTRADA DO CANAL DE CAPT. DA ETA DO BAIXO COTIA — ANO - 83

CODIGO DO LOCAL - 00SP04CG2070 — CLASSE - 3 — BACIA - COTIA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/14.20	FEV 03/14.00	MAR 03/12.00	ABR 06/12.20	MAI 04/11.05	JUN 07/11.20	JUL 05/11.05	AGO 03/12.55	SET 01/12.10	OUT 04/11.15	NOV 07/13.30	DEZ. 05/11.30.
.TEMP.AGUA GR.C			22.	22.	27.	21.	21.	16.	16.	15.	20.	20.	24.	25..
.PH UNID.PH			6.4	6.1	6.3	6.7	6.3	6.8	6.7	6.5	6.7	6.6	7.3	7.3.
.OX.DISSOL MG/L		4	5.6	6.1	5.2	5.4	6.4	7.6	7.5	7.6	7.1	6.8	6.9	6.3.
.DBO(5,20) MG/L		10	11.	1.	2.	4.	2.	3.	2.	2.	3.	2.	4.	10..
.CO.F.NMP/100ML		4000	1.3	0.79 *	4.9 *	33.	3.3 *	4.9	2.3	1.7	3.3	1.1	0.79	0.79.
.N.TOTAL MG/L			2.14	1.22	1.38	1.62	2.12	0.92	1.62	2.02	3.78	3.63	3.43	2.86.
.FOS.TOT. MG/L			0.110	0.105	0.305	0.335	0.090	0.205	0.090	0.120	0.355	0.090	0.245	0.120.
.RES.TOTAL MG/L			148.	153.	166.	672.	77.	272.	66.	84.	72.	94.	79.	132..
.TURBIDEZ UNT			46.	55.	61.	260.	9.1	110.	11.	12.	8.0	25.	15.	30..
	I.Q.A.		63.	65.	57.	39.	65.	50.	67.	67.	63.	67.	58.	62..
.BARIO MG/L		1.0	0.09	0.07	0.07	0.02	0.04	0.06	0.07	0.05	0.07	LO.50	LO.50	LO.50.
.CADMIO MG/L		0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO6 MG/L		0.1	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE MG/L		1.0	0.02	0.01	0.02	0.03	ND	0.01	0.01	ND	0.03	0.01	0.02	ND.
.CROMO MG/L		0.05	ND	ND	ND	0.02	ND	0.01	ND	ND	ND	ND	ND	ND.
.ESTANHO MG/L		2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO MG/L		0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO MG/L		5.0	0.02	0.01	0.02	0.02	0.01	0.01	0.02	0.01	0.01	LO.001	0.02	0.38.
.FENOL MG/L		0.001	0.0010	$0.0020	0.0010	LO.001	0.0010	0.0010	0.0010	$0.0040	$0.0020	$0.0020	LO.001	$0.0030.
INDICE DE TOXIDEZ.			1	0	1	1	1	1	1	0	0	0	1	0.
.TEMP.AR -GR.C			19.	24.	29.	23.	22.	17.	25.	14.	28.	26.	30.	28..
.CO.T.NMP/100ML		20000	7.	13.	4.9 *	130. *	22.	17. *	23.	17.	17.	7.9	4.9	4.9.
.FERRO MG/L			3.66	5.20	4.69	30.8	2.72	9.36	3.76	1.33	1.99	2.18	1.82	2.90.
.MANGANES MG/L			0.23	0.05	0.11	0.30	0.20	0.08	0.19	0.15	0.15	0.14	0.11	0.10.
.NIQUEL MG/L			0.01	0.01	0.01	0.06	ND	0.01	0.01	ND	ND	ND	0.01	ND.
.CLORETO MG/L			11.1	5.6	11.8	11.5	9.2	3.6	9.9	10.6	13.1	8.8	5.0	6.0.
.DUREZA MG/L			24.	28.	19.	106.	21.	44.	30.	16.	28.	11.	51.	26..
.SURFACT. MG/L			0.07	LO.04	LO.04	0.04	LO.04	LO.04	0.05	LO.04	0.05	LO.04	0.04	0.07.
.N.NITRATO MG/L		10.0	0.27	0.70	0.35	0.37	0.32	0.38	0.39	0.29	0.16	1.52	1.62	0.23.
.N.NITRITO MG/L		1.0	0.07	0.02	0.03	0.05	0.10	0.04	0.03	0.03	0.02	LO.005	LO.005	0.03.
.N.AMONIACAL MG/L		0.5 *	1.00	0.38 *	0.93 *	0.60 *	0.73	0.40	0.39 *	0.91 *	1.80 *	1.20 *	1.40 *	2.10.
.NITROGENIO MG/L			1.20	0.50	1.00	1.20	1.70	0.50	1.20	1.70	3.60	2.10	1.80	2.60.
.RES.FIXO MG/L			88.	118.	124.	566.	49.	237.	53.	59.	54.	77.	56.	90..
.RES.VOLAT.MG/L			60.	35.	42.	106.	28.	35.	13.	25.	18.	17.	23.	42..
.COLORACAO			TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	AMAREL	TURVA	AMAREL	AMAREL	TURVA	MARROM.
.CHUVAS			SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.
.VAZAO .MEDIA .DIARIA	M3/S		3.81	18.2	10.6	7.03	3.33	30.4	5.04	3.33	2.82	3.62	4.59	3.52.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO COTIA, NA BARRAGEM DAS GRACAS, JUNTO A CAPTACAO ANO - 83

CODIGO DO LOCAL - 01SP04CC2500 CLASSE - 1 BACIA - COTIA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 05/16.10	FEV 03/13.40	MAR	ABR 04/12.15	MAI	JUN 05/12.50	JUL	AGO 01/13.40	SET	OUT 07/15.10	NOV	DEZ
TEMP.AGUA GR.C		22.	24.		21.		18.		26.		22.		
PH UNID.PH		6.6	5.6		5.7		6.1		6.0		7.0		
OX.DISSOL MG/L		6.4	5.2		6.3		7.7		8.3		6.4		
DBO(5,20) MG/L		11.	* 6.		11.		1.		1.		1.		
COLI.FNMP/100ML		0.064	0.027		0.004		L0.002		0.002		0.007		
N.TOTAL MG/L		0.56	0.21		0.60		0.62		1.19		0.68		
FOSF.TOT. MG/L		0.045	0.045		0.060		0.040		0.040		0.145		
RES.TOTAL MG/L		49.	69.		34.		30.		28.		27.		
TURBIDEZ UNT		4.4	11.		5.4		4.0		3.6		4.4		
I.Q.A.		89.	89.		83.		88.		87.		87.		
BARIO MG/L													
CADMIO MG/L													
CHUMBO MG/L													
COBRE MG/L													
CROMO MG/L													
ESTANHO MG/L													
MERCURIO MG/L													
ZINCO MG/L													
FENOL MG/L													
INDICE DE TOXIDEZ.													
TEMP.AR -GR.C		26.	30.		24.		27.		20.		28.		
COLI.TNMP/100ML		0.18	1.7		0.14		0.021		0.007		0.11		
FERRO MG/L													
MANGANES MG/L													
NIQUEL MG/L													
CLORETO MG/L		2.6	4.2		3.4		2.4		5.2		2.0		
DUREZA MG/L		23.	15.		25.		L6.		24.		19.		
SURFACT. MG/L													
N.NITRATO MG/L		0.05	0.10		0.06		0.10		0.08		0.07		
N.NITRITO MG/L		0.01	L0.005		0.04		0.02		L0.005		0.01		
N.AMONIAC MG/L		0.03	0.06		0.02		0.03		0.20		0.05		
NITROGEN. MG/L		0.50	0.10		0.50		0.50		1.10		0.60		
RES.FIXO MG/L													
RES.VOLAT. MG/L													
COLORACAO		LIMPID	LIMPID		VERDE		AMAREL		LIMPID		VERDE		
CHUVAS		SIM	NAO		NAO		NAO		NAO		NAO		
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR DO LOCAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO EMBU-GUACU, PONTE NA RODOVIA PARA A FAZENDA DA ILHA — ANO - 83

CODIGO DO LOCAL - 00SP05EG1200 — CLASSE - 1 — BACIA - GUARAPIRANGA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 05/18.25	FEV	MAR 03/16.15	ABR 06/16.30	MAI 04/14.40	JUN	JUL 05/15.00	AGO 03/15.30	SET 01/15.40	OUT 04/14.05	NOV 07/17.15	DEZ 05/13.55
TEMP.AGUA GR.C		21.		24.	20.	22.		15.	14.	20.	21.	23.	24..
PH UNID.PH		5.8		5.7	6.2	5.6		6.4	6.2	6.3	6.0	7.2	7.4.
OX.DISSOL MG/L		5.7		* 3.7	5.7	6.3		8.0	7.7	7.4	7.7	6.2	7.6.
DBO(5,20) MG/L		L1.		3.	* 7.	1.		1.	1.	3.	L1.	1.	* 9..
CO.F.NMP/100ML		0.35		* 2.3	* 33.	* 1.3		0.28	* 3.3	0.79	0.33	0.23	* 1.1.
N.TOTAL MG/L		0.45		0.15	0.42	0.82		0.90	0.52	0.79	0.60	0.79	0.67.
FOSF.TOT. MG/L		0.065		0.055	0.130	0.075		0.035	0.095	0.065	0.055	0.200	0.070.
RES.TOTAL MG/L		66.		87.	157.	38.		40.	155.	41.	44.	49.	60..
TURBIDEZ UNT		20.		55.	120.	16.		14.	27.	15.	16.	25.	20..
I.Q.A.		68.		51.	41.	64.		75.	63.	70.	73.	74.	66..
BARIO MG/L		0.03		L0.02	L0.02	0.02		L0.02	L0.02	L0.02	L0.50	L0.50	L0.50.
CALMIO MG/L		ND		ND	ND	ND		ND	ND	ND	ND	ND	ND.
CROMIO MG/L		ND		ND	ND	ND		ND	ND	ND	ND	ND	ND.
COBRE MG/L		0.01		0.01	0.01	ND		0.01	0.01	0.01	ND	0.01	ND.
CROMO MG/L		ND		ND	ND	ND		ND	0.01	ND	ND	ND	ND.
ESTANHO MG/L		ND		ND	ND	ND		ND	ND	ND	ND	ND	ND.
MERCURIO MG/L		L.0002		L.0002	L.0002	L.0002		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO MG/L		0.01		0.04	L0.001	L0.001		0.01	L0.001	0.02	L0.001	0.01	0.02.
FENOL MG/L		0.0010		0.0010	L0.001	L0.001		0.0010	$0.0050	$0.0020	$0.0080	0.0010	$0.0040.
INDICE DE TOXIDEZ.		1		1	1	1		1	0	0	0	1	0.
TEMP.AR -GR.C		18.		25.	21.	24.		23.	12.	19.	21.	25.	24..
CO.T.NMP/100ML		4.9		3.3	* 33.	3.3		2.3	* 17.	2.3	4.9	0.23	4.9.
FERRO MG/L		2.68		3.94	9.39	2.22		2.34	2.56	1.96	2.22	2.91	2.08.
MANGANES MG/L		0.05		0.07	0.11	0.04		0.04	0.04	0.03	0.04	0.05	0.05.
NIQUEL MG/L		0.01		ND	0.01	ND		0.01	0.01	ND	ND	0.01	ND.
CLORETO MG/L		3.7		6.9	8.6	4.7		3.8	4.8	7.2	5.1	3.5	4.0.
DUREZA MG/L		23.		27.	57.	41.		19.	12.	16.	11.	15.	26..
SURFACT. MG/L		0.05		L0.04	0.07	L0.04		L0.04	L0.04	0.04	0.04	0.04	0.04.
N.NITRATO MG/L		0.14		0.04	0.20	0.20		0.28	0.20	0.18	0.19	0.18	0.16.
N.NITRITO MG/L		L0.005		L0.005	0.02	0.02		0.02	0.02	L0.005	0.01	L0.005	L0.005.
N.AMONIACAL MG/L		0.01		0.02	0.11	0.04		0.03	0.14	0.04	0.03	0.05	0.04.
NITROGENIO MG/L		0.30		0.10	0.20	0.60		0.60	0.30	0.60	0.40	0.60	0.50.
RES.FIXO MG/L		28.		62.	120.	12.		26.	101.	18.	32.	27.	31..
RES.VOLAT. MG/L		38.		25.	37.	26.		14.	54.	23.	12.	22.	29..
COLORACAO		TURVA		MARROM	MARROM	TURVA		VERDE	TURVA	AMAREL	AMAREL	TURVA	AMAREL.
CHUVAS		SIM		NAO	SIM	NAO		NAO	SIM	NAO	NAO	NAO	NAO.
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO EMBU-MIRIM, PONTE NA RODOVIA M'BOI MIRIM — ANO - 83

CODIGO DO LOCAL - 00SP05EM1200 — CLASSE - 2 — BACIA - GUARAPIRANGA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO II

PARAMETROS	UNID.	PADROES DEC 8468	JAN 05/17.40	FEV 03/16.45	MAR 03/15.30	ABR 06/15.20	MAI 04/14.05	JUN 07/14.00	JUL 05/14.15	AGO 03/14.55	SET 01/15.00	OUT 04/13.10	NOV 07/16.25	DEZ 05/13.15
TEMP.AGUA	GR.C		21.	21.	25.	22.	22.	16.	17.	15.	20.	20.	22.	23..
PH	UNID.PH		6.8	5.8	6.1	6.8	6.1	6.8	6.6	6.4	6.3	6.6	6.8	7.1.
OX.DISSOL	MG/L	5	6.0	5.4	5.8	5.6	5.1	7.0	6.6	5.5	5.3	5.7	6.0 *	5.3.
DBO(5,20)	MG/L	5	1.	1.	4.	2.	1.	2.	2.	1.	1.	1.	3.	2..
CO.F.NMP/100ML		1000	* 33.	* 2.3	* 3.3	* 33.	* 2.3	* 3.3	0.79	0.11	0.31	0.33	* 1.1	* 1.7.
N.TOTAL	MG/L		1.18	0.97	0.25	0.62	0.80	1.04	0.90	0.62	1.03	0.70	0.85	0.98.
FOSF.TOT.	MG/L		0.155	0.085	0.050	0.140	0.065	0.080	0.035	0.065	0.050	1.05	0.200	0.055.
RES.TOTAL	MG/L		238.	107.	99.	198.	70.	110.	53.	52.	61.	62.	59.	76..
TOXIDEZ	UNT		86.	55.	27.	100.	17.	80.	8.4	7.0	6.9	10.	15.	10..
	I.Q.A.		51.	58.	61.	49.	62.	60.	71.	73.	71.	67.	67.	42..
BARIO	MG/L	1.0	0.05	0.03	L0.02	0.05	0.02	L0.02	0.04	L0.02	L0.02	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.04	0.01	ND	0.02	ND	0.01	0.01	0.01	0.01	ND	ND	0.01.
CROMO	MG/L	0.05	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.03	0.01	0.01	L0.001	0.01	L0.001	0.01	L0.001	0.01	L0.001	0.01	0.04.
FENOL	MG/L	0.001	0.0010	§0.0070	§0.0030	L0.001	0.0010	0.0010	L0.001	§0.0060	0.0010	§0.0020	0.0010	§0.0030.
INDICE DE TOXIDEZ.			1	0	0	1	1	1	1	0	1	0	1	0.
TEMP.AR	-GR.C		19.	24.	27.	21.	24.	18.	25.	13.	21.	24.	25.	25..
CO.T.NMP/100ML		5000	* 540.	* 23.	* 7.9	* 130.	2.3	* 17.	3.3	1.3	2.2	* 13.	* 7.9	* 23..
FERRO	MG/L		8.68	3.28	2.66	7.92	1.76	4.78	1.22	0.98	1.63	1.47	1.77	3.03.
MANGANES	MG/L		0.36	0.04	0.08	0.24	0.06	0.04	0.04	0.05	0.08	0.08	0.08	0.17.
NIQUEL	MG/L		0.03	0.01	ND	0.01	ND	0.01	ND	ND	0.01	ND	ND	ND.
CLORETO	MG/L		8.2	5.0	6.8	10.0	6.5	3.6	5.2	6.1	9.0	5.2	4.0	5.0.
O.G.O	MG/L		35.	20.	15.	49.	14.	56.	16.	9.	24.	11.	19.	18..
SURFACT.	MG/L		0.12	0.05	L0.04	0.05	L0.04	0.05	0.05	L0.04	L0.04	L0.04	L0.04	0.05.
N.NITRATO	MG/L	10.0	0.35	0.36	0.14	0.35	0.28	0.41	0.48	0.40	0.32	0.39	0.34	0.27.
N.NITRITO	MG/L	1.0	0.03	0.01	L0.005	0.07	0.02	0.03	0.02	0.02	L0.005	0.01	L0.005	0.01.
N.AMONIACAL	MG/L	0.5	0.16	0.08	0.07	0.13	0.05	0.18	0.03	0.10	0.05	0.04	0.05	0.04.
NITROGENIO	MG/L		0.80	0.60	0.10	0.20	0.50	0.60	0.40	0.20	0.70	0.30	0.50	0.70.
RES.FIXO	MG/L		161.	78.	74.	161.	45.	87.	40.	37.	30.	44.	42.	43..
RES.VOLAT.	MG/L		77.	29.	25.	37.	25.	23.	13.	15.	31.	18.	17.	33..
COLORACAO			TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	VERDE	AMAREL	VERDE	AMAREL	TURVA	AMAREL.
CHUVAS			SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DO GUARAPIRANGA, NO CANAL DE CAPTACAO DA SABESP — ANO - 83

CODIGO DO LOCAL - 01SP65GA1150 — CLASSE - 1 — BACIA - GUARAPIRANGA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 04/14.60	FEV 02/14.30	MAR 02/14.15	ABR 05/08.50	MAI 03/15.25	JUN 07/15.00	JUL 04/08.00	AGO 02/08.50	SET 05/09.00	OUT 05/08.30	NOV 07/16.15	DEZ. 01/09.10.
.TEMP.AGUA GR.C		25.	24.	29.	23.	23.	18.	18.	18.	18.	20.	22.	24..
.PH UNID.PH		9.0	7.1	6.3	6.6	6.5	6.8	6.5	6.6	6.6	6.8	6.9	6.6.
.OX.DISSOL MG/L		* 4.6	7.2	6.3	7.6	7.1	8.3	8.4	8.2	8.1	8.2	7.5	6.9.
.DBO(5,20) MG/L		3.	1.	1.	1.	2.	1.	1.	1.	1.	1.	2.	2..
.CO.F.NMP/100ML		0.002	0.49	0.11	L0.002	0.002	0.022	L0.002	0.005	0.006	* 7.9	0.17	0.002.
.N.TOTAL MG/L		1.24	0.86	0.57	0.38	1.18	0.48	0.84	0.50	0.92	0.78	0.98	1.20.
.FOSF.TOT. MG/L		0.065	0.045	0.065	0.035	0.080	0.050	0.025	0.045	0.045	0.045	0.135	0.135.
.RES.TOTAL MG/L		66.	56.	60.	52.	50.	57.	60.	53.	47.	46.	47.	47..
.TURBIDEZ UNT		31.	19.	18.	15.	12.	1.5	25.	15.	9.0	7.5	11.	6.0.
I.A.		73.	74.	78.	90.	87.	87.	88.	88.	88.	66.	77.	89..
.BARIO MG/L		L0.02	0.05	0.04	L0.02	L0.02	L0.02	L0.02	L0.02	L0.02	L0.50	L0.50	L0.50.
.CADMIO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO MG/L		0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND.
.COBRE MG/L		0.02	0.02	0.02	0.02	0.01	0.01	ND	0.01	0.03	0.01	0.01	ND.
.CROMO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO MG/L		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO MG/L		L0.001	0.01	0.01	0.04	0.01	L0.001	L0.001	0.01	0.02	L0.001	0.03	0.02.
.FENOL MG/L		L0.001	L0.001	L0.001	$0.0090	0.0010	L0.001	$0.0030	L0.001	0.0010	0.0010	0.0010	0.0010.
. INDICE DE TOXIDEZ.		1	1	1	0	1	1	0	1	1	1	1	1 .
.TEMP.AR -GR.C		26.	19.	26.	24.	25.	16.	16.	17.	17.	22.	24.	29..
.CO.T.NMP/100ML		0.079	1.3	1.3	0.013	0.49	1.3	0.18	1.3	0.23	* 79.	1.3	0.009.
.FERRO MG/L		1.58	1.48	1.75	1.08	0.99	1.32	1.88	1.37	0.94	0.94	2.08	1.07.
.MANGANES MG/L		0.02	0.02	0.07	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.05.
.NIQUEL MG/L		0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND..
.CLORETO MG/L		5.8	5.7	7.7	6.6	6.8	5.1	4.6	4.7	5.8	4.6	4.5	4.0.
.D W O MG/L		36.	22.	16.	12.	30.	29.	13.	12.	17.	18.	15.	8..
.SURFACT. MG/L		L0.04	0.05	0.05	0.07	L0.04	0.05	0.05	0.04	L0.04	L0.04	0.04	L0.04.
.N.NITRATO MG/L		0.02	0.05	0.06	0.07	0.19	0.17	0.22	0.36	0.31	0.33	0.37	0.29.
.N.NITRITO MG/L		0.02	L0.005	L0.005	0.01	0.09	0.01	0.02	0.04	0.01	0.05	0.01	0.01.
.N.AMONIACAL MG/L		0.01	0.28	0.12	0.11	0.06	0.18	0.08	0.03	0.06	0.07	0.10	0.10.
.NITROGENIO MG/L		1.20	0.80	0.50	0.30	0.90	0.30	0.60	0.10	0.60	0.40	0.60	0.90.
.RES.FIXO MG/L		36.	35.	41.	28.	31.	38.	42.	36.	36.	29.	27.	27..
.RES.VOLAT.MG/L		30.	21.	19.	24.	19.	19.	18.	17.	11.	17.	20.	20..
.COLORACAO		VERDE	TURVA	VERDE	VERDE	VERDE	TURVA	AMAREL	AMAREL	TURVA	VERDE	TURVA	AMAREL.
.CHUVAS		SIM	SIM	SIM	NAO	NAO	SIM	NAO	SIM	SIM	NAO	NAO	SIM.
.VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, PTE NA AV. MARIA J. DE OLIVEIRA BUENO, EM PIRAPORA ANO - 83

CODIGO DO LOCAL - 00SP11TE2050 CLASSE - 2 BACIA - TIETE MEDIO-SUPERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (*) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/11.00	FEV 03/11.15	MAR 03/10.20	ABR 06/11.10	MAI 04/09.25	JUN 07/09.20	JUL 05/09.40	AGO 03/11.10	SET 01/10.40	OUT 04/08.30	NOV 07/11.05	DEZ 05/10.05
TEMP.AGUA	GR.C		23.	21.	27.	23.	21.	16.	20.	16.	22.	22.	24.	24.
PH	UNID.PH		6.8	6.5	6.5	7.1	6.6	6.6	6.8	6.7	7.1	6.9	7.2	7.0
OX.DISSOL	MG/L	5	6.0	8.4	6.0	5.6	6.3	9.6	6.0	6.3	5.2 *	3.6	7.0 *	4.9
DBO(5,20)	MG/L	5	3.	3. *	9. *	14. *	7.	3. *	14. *	14. *	20. *	8. *	6.	5.
COL.F.NMP/100ML		1000	* 23. *	79. *	230. *	110. *	330. *	79. *	220. *	49. *	49. *	130. *	330. *	170.
N.TOTAL	MG/L		5.24	5.96	5.33	7.28	4.93	2.96	6.74	7.74	15.0	6.08	8.30	7.13
FOSF.TOT.	MG/L		0.320	0.380	0.410	0.455	0.375	0.215	0.580	1.05	0.925	0.445	0.380	0.470
RES.TOTAL	MG/L		209.	322.	225.	228.	196.	199.	199.	203.	200.	194.	175.	227.
TURBIDEZ	UNT		90.	180.	97.	36.	30.	95.	40.	35.	25.	38.	45.	40.
	I.Q.A.		48.	40.	40.	40.	44.	48.	39.	40.	37.	37.	44.	42.
BARIO	MG/L	1.0	0.13	0.10	0.11	0.12	0.08	0.06	0.14	0.05	0.07	LO.50	LO.50	LO.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.1	ND	0.01	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.02
CROMO	MG/L	0.05	ND	0.01	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	0.04	0.06	0.05	0.06	0.06	0.04	0.10	0.08	0.13	0.07	0.04	0.07
FENOL	MG/L	0.001	$0.0080	$0.0090	$0.0100	$0.0040	$0.0070	$0.0040	$0.0360	$0.0680	$ 0.116	$0.0090	$0.0050	$0.0060
INDICE DE TOXIDEZ.			0	0	0	0	0	0	0	0	0	0	0	0
TEMP.AR	GR.C		26.	24.	27.	21.	20.	15.	21.	13.	26.	24.	29.	25.
COL.T.NMP/100ML		5000	* 1300. *	330. *	1300. *	330. *	2300. *	490. *	2300. *	490. *	490. *	790. *	7900. *	490.
FERRO	MG/L		5.48	12.4	7.99	4.48	4.10	7.56	4.27	3.48	4.15	7.84	3.66	4.41
MANGANES	MG/L		0.33	0.31	0.40	0.45	0.36	0.28	0.40	0.25	0.25	0.35	0.30	0.35
NIQUEL	MG/L		0.03	0.05	0.07	0.03	0.03	0.08	0.04	0.04	0.02	0.03	ND	0.02
CLORETO	MG/L		22.2	16.1	29.8	34.4	27.6	15.4	33.7	33.0	43.4	28.1	30.0	32.0
SULFATO	MG/L		31.	68.	48.	61.	53.	48.	64.	57.	82.	33.	35.	57.
SURFACT.	MG/L		0.67	0.31	0.51	1.01	0.13	0.18	1.34	1.20	1.58	1.06	0.47	1.25
N.NITRATO	MG/L	10.0	0.03	3.07	0.02	0.03	LO.02	0.59	0.02	LO.02	LO.02	0.06	3.99	LO.02
N.NITRITO	MG/L	1.0	0.01	0.05	LO.005	0.05	0.11	0.17	0.02	0.02	0.01	0.02	0.01	0.01
N.AMONIACAL	MG/L	0.5	* 3.96 *	2.50 *	4.50 *	6.10 *	4.10 *	2.10 *	5.70 *	5.60 *	7.30 *	3.80 *	3.80 *	6.80
N.ORGANICO	MG/L		5.20	2.80	5.30	7.20	4.80	2.20	6.70	7.70	15.0	6.00	4.30	7.10
RES.FIXO	MG/L		150.	253.	166.	176.	145.	164.	162.	151.	153.	145.	132.	155.
RES.VOLAT.	MG/L		59.	69.	59.	52.	51.	35.	37.	52.	47.	49.	43.	72.
COLORACAO			TURVA	TURVA	MARROM	PRETA	TURVA	MARROM	MARROM	PRETA	PRETA	MARROM	TURVA	PRETA
CHUVAS			SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, JUNTO A BARRAGEM DO RESERVATORIO DE RASGAO ANO - 83

CODIGO DO LOCAL - 01SP11TE2100 CLASSE - 2 BACIA - TIETE MEDIO-SUPERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/11.25	FEV 03/11.45	MAR 03/10.50	ABR 06/10.30	MAI 04/09.50	JUN 07/10.00	JUL 05/10.00	AGO 03/10.45	SET 01/11.10	OUT 04/10.05	NOV 07/11.50	DEZ. 05/10.30.
.TEMP.AGUA	GR.C		23.	22.	27.	23.	22.	17.	19.	16.	22.	23.	25.	25..
.PH	UNID.PH		6.7	6.4	6.7	7.0	6.6	6.8	6.8	6.5	7.0	6.5	7.1	6.9.
.OX.DISSOL	MG/L	5	* 1.9	6.7	* 2.1	* 0.3	* 2.1	9.1	* 1.9	* 0.2	* 0.0	* 0.0	5.1	* 1.5.
.DBO(5,20)	MG/L	5	5.	4.	* 8.	* 9.	5.	3.	* 10.	* 11.	* 19.	* 25.	* 9.	* 73..
.COL.F.NMP/	100ML	1000	* 4.9	* 70.	* 230.	* 330.	* 170.	* 13.	* 140.	* 490.	* 330.	* 22.	* 230.	* 79..
.N.TOTAL	MG/L		5.06	6.12	4.84	7.38	4.98	3.08	7.04	7.76	19.0	5.93	8.30	9.03.
.FOSF.TOT.	MG/L		0.260	0.315	0.300	0.425	0.350	0.235	0.500	0.825	0.245	1.45	0.425	0.550.
.RES.TOTAL	MG/L		198.	315.	259.	233.	177.	217.	195.	201.	220.	4840.	361.	474..
.TOXIDEZ	UNT		40.	180.	64.	40.	27.	85.	29.	30.	26.	65.	80.	58..
	IQA.		42.	39.	33.	25.	35.	54.	31.	23.	21.	19.	38.	22..
.BARIO	MG/L	1.0	0.09	0.08	0.11	0.07	0.06	0.06	0.09	0.09	0.09	$ 2.90	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	0.01	ND	ND	ND	ND	0.02	0.01	ND	0.10	0.01	0.01.
.COBRE	MG/L	1.0	0.02	0.03	0.05	0.01	0.01	0.01	0.02	0.03	0.02	0.75	0.05	0.07.
.CROMO	MG/L	0.05	ND	0.01	ND	ND	ND	ND	ND	ND	ND	$ 0.21	0.03	0.02.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	$0.0058	0.0003	0.0004.
.ZINCO	MG/L	5.0	0.04	0.07	0.05	0.05	0.05	0.04	0.09	0.08	0.15	3.00	0.15	0.17.
.FENOL	MG/L	0.001	$0.0040	$0.0070	$0.0050	0.0010	$0.0020	$0.0020	$0.0040	$0.0090	$0.0610	$0.0090	$0.0060	$0.0070.
INDICE DE TOXIDEZ.			6	0	0	1	0	0	0	0	0	0	0	0.
.TEMP.AR	-GR.C		20.	24.	28.	21.	22.	16.	22.	12.	28.	25.	30.	26..
.COL.T.NMP/	100ML	5000	* 49.	* 490.	* 330.	* 330.	* 790.	* 330.	* 790.	* 790.	* 490.	* 790.	* 2300.	* 330..
.FERRO	MG/L		4.54	12.1	5.71	4.27	3.76	6.32	3.78	3.67	4.43	114.	15.7	14.4.
.MANGANES	MG/L		0.36	0.38	0.50	0.45	0.38	0.28	0.40	0.40	0.35	5.60	0.51	0.53.
.NIQUEL	MG/L		0.01	0.08	0.08	0.03	0.02	0.05	0.03	0.05	0.01	0.61	0.10	0.10.
.CLORETO	MG/L		23.8	14.3	28.6	35.4	27.9	15.2	36.2	31.4	42.8	25.0	24.0	33.0.
.DUREZA	MG/L		31.	52.	32.	61.	49.	56.	64.	46.	82.	590.	51.	98..
.SURFAT.	MG/L		0.54	0.32	0.65	1.10	0.14	0.20	1.25	1.22	1.85	0.28	0.61	1.00.
.N.NITRATO	MG/L	10.0	0.63	3.10	0.03	0.02	0.05	0.51	LO.02	0.02	LO.02	LO.02	2.98	LO.02.
.N.NITRITO	MG/L	1.0	0.03	0.12	LO.005	0.06	0.03	0.17	0.02	0.04	0.01	0.01	0.02	LO.005.
.N.AMONIAC	MG/L	0.5	* 4.00	* 2.60	* 3.90	* 6.00	* 3.90	* 2.15	* 5.40	* 7.00	* 7.20	* 8.00	* 3.90	* 7.30.
.NITROGENIO	MG/L		5.00	2.90	4.80	7.30	4.90	2.40	7.00	7.70	19.0	5.90	5.30	9.00.
.RES.FIXO	MG/L		138.	243.	195.	181.	145.	180.	155.	152.	155.	4200.	282.	365..
.RES.VOLAT.	MG/L		60.	72.	64.	52.	32.	37.	40.	49.	65.	640.	79.	109..
.COLORACAO			TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	MARROM	PRETA	PRETA	CINZA	TURVA	MARROM.
.CHUVAS			SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, PONTE SOBRE A REPRESA DA USINA DE PORTO GOES ANO - 83

CODIGO DO LOCAL - 01SP11TE2300 CLASSE - 2 BACIA - TIETE MEDIO-SUPERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS	UNID	PADROES DEC.846	JAN 05/14.30	FEV 02/16.40	MAR 02/13.30	ABR 05/14.00	MAI 03/14.30	JUN 07/13.30	JUL 07/14.24	AGO 03/15.15	SET 01/15.34	OUT 04/16.00	NOV 08/15.00	DEZ 06/15.10
TEMP.AGUA	GR.C		22.	20.	25.	25.	23.	18.	20.	18.	21.	24.	26.	25..
PH	UNID.PH		6.2	6.6	6.4	6.2	6.3	6.5	6.4	7.1	6.8	6.9	6.8	7.3.
OX.DISSOL	MG/L	5	6.3	7.9	6.0	6.0	7.3	8.0	7.2	7.4	6.0	6.2	6.2	6.6.
DBO(5,20)	MG/L	5	5. *	6.	3.	4.	2.	4. *	6. *	8.	4. *	8. *	9. *	12..
COLI.FECAL	NMP/100ML	1000	* 210. *	330. *	1600. *	20. *	230. *	330. *	130. *	20. *	79. *	79. *	240. *	23..
N.TOTAL	MG/L		2.50	3.23	2.86	3.06	1.94	2.34	3.21	2.71	3.38	3.18	2.98	4.74.
FOSF.TOT.	MG/L		0.092	0.209	LO.020	0.113	0.215	0.345	0.230	0.180	0.348	0.156	0.098	LO.020.
RES.TOTAL	MG/L		176.	611.	417.	185.	190.	388.	165.	238.	191.	107.	296.	151..
TURBIDEZ	UNT		45.	200.	150.	30.	50.	100.	25.	65.	30.	55.	90.	64..
	I.Q.A.		46.	36.	38.	52.	48.	42.	46.	49.	49.	48.	42.	48..
BARIO	MG/L	1.0	0.13	0.14	0.13	0.09	0.04	0.06	0.11	0.07	0.13	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	0.01	0.01	0.01	ND	0.01	ND	ND	ND	ND	0.01	ND.
COBRE	MG/L	1.0	0.61	0.05	0.04	0.01	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.02.
CROMO	MG/L	0.05	ND	0.02	0.02	ND	ND	0.02	ND	0.01	ND	ND	0.01	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002.
ZINCO	MG/L	5.0	0.05	0.10	0.05	0.03	0.03	0.05	0.05	0.04	0.05	0.04	0.06	0.06.
FENOL	MG/L	0.001	0.0010	§0.0020	LO.001	LO.001	LO.001	§0.0030	LO.001	§0.0060	§0.0030	LO.001	§0.0040	0.0010.
INDICE DE TOXIDEZ.			1	0	1	1	1	0	1	0	0	1	0	1 .
TEMP.AR	GR.C		24.	21.	30.	30.	27.	21.	24.	17.	26.	26.	31.	24..
COLI.NMP/100ML		5000	* 1100. *	490. *	2300. *	50. *	700. *	490. *	220. *	80. *	240. *	170. *	240. *	49..
FERRO	MG/L		4.28	20.7	16.8	3.92	3.98	17.7	3.10	7.39	3.35	4.66	9.35	15.6.
MANGANES	MG/L		0.30	0.68	0.42	0.35	0.30	0.22	0.26	0.30	0.25	0.40	0.32	0.40.
NIQUEL	MG/L		0.02	0.10	0.12	0.02	0.03	0.07	0.03	0.06	0.01	0.02	0.04	0.01.
CLORETO	MG/L		12.0	16.5	12.0	15.5	12.0	5.5	16.5	12.5	19.0	19.5	15.0	18.5.
DUREZA	MG/L		26.	36.	48.	29.	25.	31.	32.	36.	53.	32.	48.	34..
SURFACT.	MG/L		0.10	0.25	0.22	0.33	0.07	0.07	0.31	0.45	0.34	0.20	0.09	0.09.
N.NITRATO	MG/L	10.0	0.56	0.18	0.27	0.56	0.70	0.27	0.29	0.22	0.16	0.16	0.35	0.06.
N.NITRITO	MG/L	1.0	0.15	0.11	0.03	0.20	0.14	0.07	0.12	0.07	0.11	0.18	0.30	0.02.
N.AMONIACO	MG/L	0.5	* 0.62 *	1.56 *	1.07 *	1.16	0.35	0.35 *	2.40 *	1.29 *	2.14 *	1.80 *	1.16 *	3.90.
NI.KJELD.	MG/L		1.79	2.94	2.56	2.30	1.10	2.00	2.80	2.42	3.11	2.84	2.33	4.66.
RES.FIXO	MG/L		135.	504.	368.	134.	158.	301.	128.	186.	133.	85.	221.	130..
RES.VOLAT.	MG/L		41.	107.	49.	51.	32.	87.	37.	52.	58.	22.	75.	21..
COLORACAO			MARROM	MARROM	MARROM	CINZA	MARROM	AMAREL	CINZA	MARROM	PRETA	MARROM	CINZA	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	SIM.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, PONTE NA RODOVIA TIETE-CAPIVARI — ANO - 83

CODIGO DO LOCAL - 00SP11TE2330 — CLASSE - 2 — BACIA - TIETE MEDIO-SUPERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/12.45	FEV 02/11.30	MAR 02/12.30	ABR 05/12.15	MAI 03/12.00	JUN 07/12.13	JUL 07/12.00	AGO 03/13.15	SET 01/13.50	OUT 04/14.15	NOV 08/10.30	DEZ 06/16.05
TEMP.AGUA	GR.C		22.	18.	26.	25.	24.	18.	19.	19.	22.	25.	24.	25.
PH	UNID.PH		6.2	6.6	6.4	6.0	6.2	6.5	6.3	6.9	6.7	6.4	6.6	6.6
OX.DISSOL	MG/L	5	* 2.6	6.0	* 3.2	* 3.6	6.1	7.0	* 4.2	* 4.0	* 3.0	* 2.4	* 3.0	* 2.0
DBO(5,20)	MG/L	5	5.	* 6.	5.	* 10.	1.	3.	* 8.	* 8.	4.	5.	* 7.	* 21.
CO.F.NMP/100ML		1000	* 49.	* 33.	* 490.	* 490.	* 49.	* 49.	* 22.	* L20.	* 5.	* 4.6	* 11.	* 3.3
N.TOTAL	MG/L		2.96	2.36	2.10	3.03	2.10	2.26	3.75	2.68	5.37	1.73	3.15	3.51
FOSF.TOT.	MG/L		0.035	0.063	L0.020	0.072	0.180	0.275	0.245	0.132	0.373	0.173	0.092	0.485
RES.TOTAL	MG/L		306.	587.	490.	191.	176.	450.	186.	220.	208.	99.	327.	545.
TURBIDEZ	UNT		65.	230.	130.	20.	25.	100.	18.	30.	20.	50.	130.	82.
	I.Q.A.		37.	39.	31.	38.	53.	45.	44.	45.	47.	45.	36.	32.
BARIO	MG/L	1.0	0.09	0.12	0.11	0.11	0.02	0.06	0.11	0.07	0.07	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMO6	MG/L	0.1	ND	0.01	0.01	0.03	ND	ND	ND	0.01	ND	ND	0.01	0.01
COBRE	MG/L	1.0	0.02	0.04	0.04	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.03	0.05
CROMO	MG/L	0.05	0.01	0.02	0.02	ND	ND	0.01	ND	0.01	ND	0.01	0.01	0.01
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002
ZINCO	MG/L	5.0	0.06	0.16	0.04	0.02	0.03	0.02	0.04	0.03	0.05	0.05	0.07	0.09
FENOL	MG/L	0.001	L0.001	$0.0040	0.0010	$0.0020	0.0010	$0.0020	L0.001	$0.0040	0.0010	L0.001	$0.0020	0.0010
INDICE DE TOXIDEZ.			1	0	1	0	1	0	1	0	1	1	0	1
TEMP.AR	-GR.C		22.	19.	28.	30.	26.	21.	25.	18.	26.	29.	29.	23.
CO.T.NMP/100ML		5000	* 49.	* 49.	* 1300.	* 790.	* 350.	* 130.	* 130.	* 20.	* 13.	* 9.4	* 17.	4.9
FERRO	MG/L		7.96	18.9	12.5	3.20	3.52	11.0	4.38	4.08	3.60	5.64	11.0	11.2
MANGANES	MG/L		0.50	0.47	0.47	0.40	0.24	0.22	0.35	0.40	0.30	0.45	0.35	0.54
NIQUEL	MG/L		0.03	0.07	0.08	0.02	0.02	0.05	0.03	0.04	0.02	0.04	0.03	0.03
CLORETO	MG/L		14.5	6.0	15.0	17.5	13.5	6.0	19.0	13.0	29.5	20.0	15.5	18.0
DUREZA	MG/L		26.	52.	40.	58.	21.	26.	29.	31.	34.	22.	37.	36.
SURFACT.	MG/L		0.13	0.04	0.12	0.23	0.06	0.05	0.20	0.27	0.17	0.25	0.09	0.04
N.NITRATO	MG/L	10.0	1.40	0.38	0.76	1.70	0.80	0.38	0.51	0.30	0.32	0.16	0.84	0.13
N.NITRITO	MG/L	1.0	0.20	0.09	0.06	0.25	0.10	0.08	0.24	0.20	0.16	0.18	0.50	L0.01
N.AMONIACAL	MG/L	0.5	0.21	0.13 *	0.56	0.09	0.05	0.17 *	2.20 *	1.04 *	3.55	0.22 *	0.59 *	1.39
NI.KJELDA.	MG/L		1.36	1.89	1.28	1.08	1.20	1.80	3.00	2.18	4.89	1.39	1.82	3.37
RES.FIXO	MG/L		243.	484.	428.	151.	135.	228.	139.	165.	161.	81.	242.	432.
RES.VOLAT.	MG/L		57.	103.	62.	40.	41.	222.	47.	55.	47.	18.	85.	113.
COLORACAO			MARROM	MARROM	MARROM	CINZA	MARROM	AMAREL	CINZA	CINZA	PRETA	CINZA	AMAREL	MARROM
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	SIM
VAZAO MEDIA DIARIA	M3/S		165.	808.	306.	155.	207.	886.	219.	174.	144.	133.	203.	213.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO CAPIVARI, PONTE NA RODOVIA MONTE MOR-FAZENDA RIO ACIMA ANO - 83

CODIGO DO LOCAL - 06SP12CA2200 CLASSE - 2 - BACIA - CAPIVARI

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/06.10	FEV 07/11.45	MAR 02/15.00	ABR 04/10.15	MAI 02/10.20	JUN 06/16.10	JUL 06/16.00	AGO 02/16.05	SET 05/17.00	OUT 03/20.00	NOV 07/09.40	DEZ. 05/19.20.
.TEMP.AGUA	GR.C		26.	24.	27.	23.	23.	18.	20.	20.	22.	20.	20.	20..
.PH	UNID.PH		6.9	7.6	6.7	7.1	6.9	6.9	6.4	7.0	6.9	7.0	7.1	6.9.
.OX.DISSOL	MG/L	5	* 2.2	* 4.3	* 3.0	* 2.3	* 3.3	8.2	* 3.4	* 1.8	* 2.4	* 2.6	8.6	* 2.8.
.DBO(5,20)	MG/L	5	3.	1.	5.	5.	4.	4.	* 6.	* 7.	* 6.	3.	5.	* 6..
.CO.F.NMP/	100ML	1000	* 1700.	* 170.	* 790.	* 130.	* 130.	* 31.	* 7.9	* 1700.	* 5400.	* 1300.	* 80.	* 23..
.N.TOTAL	MG/L		4.57	2.68	2.58	3.96	3.11	3.38	3.55	3.84	3.27	3.13	1.67	3.42.
.FOSF.TOT.	MG/L		0.066	0.060	L0.020	0.075	0.265	0.525	0.250	0.194	0.132	0.072	0.036	L0.020.
.RES.TOTAL	MG/L		256.	257.	296.	219.	273.	827.	259.	256.	248.	270.	289.	78..
.TURBIDEZ	UNT		45.	120.	150.	50.	55.	350.	43.	40.	50.	70.	85.	48..
	I.Q.A.		37.	38.	33.	36.	38.	41.	44.	33.	36.	36.	49.	42..
.BARIO	MG/L	1.0	0.19	0.19	0.11	0.13	0.10	0.16	0.18	0.17	0.12	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.02	0.02	0.01	0.10	0.03	0.01	0.10	0.07	0.01	0.01	ND.
.CROMO	MG/L	0.05	0.01	0.01	0.01	0.01	ND	0.02	0.01	0.01	0.02	0.01	0.01	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	0.0003	L.0002	0.0003	0.0007	0.0002	0.0002	0.0005	L.0002	0.0004	0.0002.
.ZINCO	MG/L	5.0	0.03	0.07	0.03	0.04	0.03	0.06	0.04	0.03	0.06	0.02	0.03	0.04.
.FENOL	MG/L	0.001	$0.0030	L0.001		L0.001	0.0010	$0.0050	0.0010	$0.0030	$0.0020	$0.0050	L0.001	0.0010.
INDICE DE TOXIDEZ.			0	1		1	1	0	1	0	0	0	1	1.
.TEMP.AR	-GR.C		22.	35.	31.	24.	22.	15.	20.	24.	22.	20.	24.	26..
.CO.T.NMP/	100ML	5000	* 3300.	* 490.	* 1300.	* 240.	* 330.	* 490.	* 460.	* 1700.	* 9200.	* 3300.	* 230.	* 49..
.FERRO	MG/L		6.52	7.60	10.5	8.71	7.82	32.4	5.62	4.13	6.18	9.16	9.75	4.41.
.MANGANES	MG/L		0.55	0.40	0.40	0.60	0.40	0.26	0.55	0.35	0.90	0.45	0.29	0.35.
.NIQUEL	MG/L		0.02	0.02	0.04	0.02	0.03	0.04	0.03	0.01	0.02	0.02	0.02	ND.
.CLORETO	MG/L		10.0	5.4	7.0	4.5	8.0	3.5	21.5	23.0	9.0	8.0	9.5	10.0.
.SODIO	MG/L		21.	13.	18.	20.	22.	56.	41.	39.	42.	32.	29.	37..
.SURFACT.	MG/L		0.36	0.20	0.16	0.34	0.13	L0.04	0.34	0.66	0.39	0.07	0.15	0.17.
.N.NITRATO	MG/L	10.0	0.21	0.46	0.29	0.55	0.61	0.34	0.25	0.59	0.22	0.48	0.50	0.44.
.N.NITRITO	MG/L	1.0	0.10	0.20	0.14	0.06	0.10	0.04	0.10	0.09	0.09	0.12	0.10	0.05.
.N.AMONIACAL	MG/L	0.5	* 3.52	* 1.03	* 0.66	* 1.92	* 2.00	0.38	* 2.20	* 2.26	* 1.36	* 1.19	* 1.19	* 1.44.
.NI.KJELD.	MG/L		4.66	2.02	2.15	3.35	2.40	3.00	3.20	3.16	2.96	2.53	1.07	2.93.
.RES.FIXO	MG/L		185.	204.	230.	159.	211.	707.	196.	193.	184.	215.	228.	54..
.RES.VOLAT.	MG/L		71.	53.	66.	60.	62.	120.	63.	63.	64.	55.	61.	24..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	CINZA	MARROM	CINZA	AMAREL	MARROM	MARROM.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	SIM	SIM.
.VAZAO	M3/S		9.25	19.0	15.3	7.76	7.76	33.4	10.1					

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JUNDIAI, A JUSANTE DA KRUPP, EM CAMPO LIMPO — ANO - 83

CODIGO DO LOCAL - CESP13JL2020 — CLASSE - 2 — BACIA - JUNDIAI

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/10.30	FEV 01/07.50	MAR 02/17.50	ABR 04/07.20	MAI 02/07.25	JUN 06/21.00	JUL 06/20.10	AGO 02/19.00	SET 05/19.50	OUT 03/09.10	NOV 07/14.30	DEZ 05/09.30
TEMP.AGUA	GR.C		24.	22.	25.	18.	20.	16.	18.	18.	22.	21.	22.	22..
PH	UNID.PH		7.0	6.8	6.7	6.8	7.2	7.0	6.9	7.1	7.1	7.1	7.1	7.1.
OX.DISSOL	MG/L	5	7.8	6.6	6.6	7.3	7.8	8.0	8.2	6.6	7.0	7.2	6.8	8.6.
DBO(5,20)	MG/L	5	1.	2.	5. *	18.	1.	2.	1.	3.	5.	2.	1.	3..
CO.F.NMP/100ML		1000	* 22.	* 280.	* 1700.	* 790.	* 5.	* 17.	* 7.	* 130.	* 130.	* 49.	* 5.	* 33..
N.TOTAL	MG/L		0.82	1.50	3.54	0.96	0.29	1.30	0.47	1.40	1.76	0.79	0.59	1.37.
FOSF.TOT.	MG/L		0.040	LO.020	LO.020	0.033	0.075	0.225	0.090	0.041	0.200	LO.020	LO.020	0.020.
RES.TOTAL	MG/L		163.	428.	2252.	104.	103.	398.	89.	120.	432.	138.	112.	184..
TURBIDEZ	UNT		40.	210.	300.	27.	43.	250.	21.	57.	110.	70.	40.	31..
	I.Q.A.		58.	40.	37.	43.	64.	46.	65.	49.	38.	53.	64.	56..
BARIO	MG/L	1.0	0.07	0.12	0.13	0.08	0.04	0.12	0.09	0.03	0.08	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO6	MG/L	0.1	ND	0.01	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.16	0.03	ND	0.01	0.12	0.04	0.03	0.03	0.01	ND	0.02.
CROMO	MG/L	0.05	ND	0.02	0.02	ND	ND	0.03	ND	ND	0.01	0.01	ND	0.01.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	0.0002	0.0005	L.0002	L.0002	0.0003	0.0002	0.0002	0.0006	L.0002	0.0005	0.0002.
ZINCO	MG/L	5.0	0.01	0.03	0.09	0.01	0.04	0.03	0.01	0.01	0.09	LO.001	0.02	0.07.
FENOL	MG/L	0.001	$0.0020	$0.0020		0.0010	LO.001	$0.0030	LO.001	$0.0030	$0.0030	$0.0040	0.0010	0.0010.
INDICE DE TOXIDEZ.			C	O		1	1	O	1	O	O	O	1	1.
TEMP.AR	-GR.C		26.	20.	25.	20.	19.	15.	18.	16.	20.	22.	28.	27..
CO.T.NMP/100ML		5000	* 170.	* 920.	* 3300.	* 1300.	* 22.	* 33.	* 35.	* 130.	* 240.	* 130.	* 7.	* 70..
FERRO	MG/L		5.02	17.9	136.	3.69	3.80	21.7	3.04	5.54	19.8	6.56	4.26	12.2.
MANGANES	MG/L		0.15	0.26	0.75	0.18	0.17	0.18	0.15	0.16	0.20	0.18	0.15	0.30.
NIQUEL	MG/L		0.01	0.06	0.12	0.01	0.01	0.08	ND	0.01	0.05	0.01	0.01	0.02.
CLORETO	MG/L		2.0	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	2.5	2.0	2.0.
O.G.A.	MG/L		2.	21.	81.	163.	8.	25.	8.	13.	35.	6.	7.	10..
SURFACT.	MG/L		0.66	LO.04	0.10	0.17	0.69	0.05	0.04	0.09	0.10	0.09	0.05	LO.04.
N.NITRATO	MG/L	10.0	0.25	0.17	0.25	0.28	0.18	0.19	0.16	0.60	0.65	0.35	0.33	0.35.
N.NITRITO	MG/L	1.0	0.41	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	LO.01	LO.01.
N.AMONIACAL	MG/L	0.5	0.22	LO.05 *	0.60	LO.05	0.08	0.18	0.09	0.15	0.22	0.09	LO.05	0.45.
N.ORGANICO	MG/L		0.56	1.72	3.28	0.67	0.10	1.10	0.30	0.79	1.10	0.43	0.25	1.01.
RES.FIXO	MG/L		113.	360.	1977.	75.	76.	332.	62.	87.	348.	105.	82.	116..
RES.VOLAT.	MG/L		56.	68.	275.	29.	27.	66.	27.	33.	84.	33.	30.	68..
COLORACAO			MARROM	MARROM	VERMEL	AMAREL	AMAREL	MARROM	AMAREL	MARROM	MARROM	AMAREL	MARROM	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	SIM	SIM.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JUNDIAI, PONTE NA LOCALIDADE DE ITAICI, MUN. DE INDAIATUBA ANO - 83

CODIGO DO LOCAL - 00SP13JL4270 CLASSE - 4 BACIA - JUNDIAI

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 04/08.05	FEV 01/09.40	MAR 02/16.20	ABR 04/09.00	MAI 02/09.30	JUN 06/19.10	JUL 06/19.00	AGO 02/17.30	SET 05/18.25	OUT 03/07.00	NOV 07/10.40	DEZ. 05/07.00
.TEMP.AGUA	GR.C		26.	22.	25.	22.	20.	18.	18.	20.	22.	20.	20.	19..
.PH	UNID.PH		6.9	6.6	6.9	6.9	7.4	7.0	6.7	7.1	6.8	7.1	7.1	7.1.
.OX.DISSOL	MG/L	G0.5	5.9	6.6	5.6	6.4	7.2	8.4	7.4	6.4	6.0	6.0	8.0	5.4.
.DBO(5,20)	MG/L		2.	11.	5.	4.	3.	4.	9.	18.	6.	4.	5.	6..
.COLI.F.NMP/	100ML		1300.	L200.	1300.	3300.	2.	49.	7.	G2400.	330.	460.	50.	33..
.N.TOTAL	MG/L		2.73	1.42	1.43	1.69	2.50	4.10	1.33	1.74	4.05	1.88	1.61	3.33.
.FOSF.TOT.	MG/L		0.104	0.166	0.072	0.020	0.240	0.550	0.195	0.113	0.095	0.047	0.077	0.104.
.RES.TOTAL	MG/L		277.	760.	233.	156.	187.	940.	234.	1080.	481.	161.	276.	174..
.TURBIDEZ	UNT		65.	300.	60.	31.	50.	350.	40.	260.	100.	45.	70.	80..
	I.Q.A.		47.	35.	46.	49.	61.	39.	54.	32.	39.	48.	49.	48..
.BARIO	MG/L		0.15	0.14	0.13	0.08	0.08	0.12	0.15	0.06	0.16	L0.50	L0.50	L0.50.
.CADMIO	MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L		0.06	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L		0.03	0.13	0.04	0.01	0.05	0.06	0.02	0.03	0.08	0.01	0.01	0.03.
.CROMO	MG/L		0.01	0.03	0.01	ND	ND	0.05	0.01	0.01	0.01	0.01	0.01	0.01.
.ESTANHO	MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L		L.0002	0.0004	0.0004	0.0003	0.0002	0.0006	0.0003	0.0004	0.0003	L.0002	0.0002	L.0002.
.ZINCO	MG/L		0.09	0.07	0.03	0.02	0.04	0.10	0.04	0.12	0.07	0.01	0.04	0.07.
.FENOL	MG/L	1.0	**0.0020	L0.001		0.0010	0.0010	**0.0030	0.0010	**0.0020	**0.0040	**0.0040	L0.001	**0.0020.
	INDICE DE TOXIDEZ.		0	1		1	1	0	1	0	0	0	1	0 .
.TEMP.AR	-GR.C		25.	20.	29.	23.	21.	15.	18.	18.	21.	21.	25.	23..
.COLI.T.NMP/	100ML		2300.	L200.	3300.	3300.	8.	2300.	490.	G2400.	490.	1100.	110.	130..
.FERRO	MG/L		8.26	28.0	7.40	4.67	5.34	49.6	5.28	55.0	19.1	6.20	7.05	7.90.
.MANGANES	MG/L		0.17	0.29	0.35	0.22	0.24	0.28	0.45	0.70	0.45	0.20	0.18	0.62.
.NIQUEL	MG/L		0.03	0.08	0.02	0.01	0.01	0.14	0.02	0.02	0.03	0.01	0.01	0.02.
.CLORETO	MG/L		6.0	2.5	5.5	2.0	7.5	2.5	6.5	5.5	6.5	6.5	7.5	7.0.
.D . O	MG/L		14.	67.	17.	18.	20.	55.	41.	84.	48.	21.	24.	26..
.SURFACT.	MG/L		0.19	L0.04	0.35	0.21	0.24	L0.04	0.17	0.27	0.23	0.11	0.15	L0.04.
.N.NITRATO	MG/L		0.19	0.16	0.10	0.09	0.65	0.78	0.20	0.27	1.50	0.17	0.29	1.35.
.N.NITRITO	MG/L		0.10	0.03	0.01	0.05	0.05	0.02	0.03	0.04	0.04	0.06	0.07	0.08.
.N.AMONIACAL	MG/L		1.04	0.05	0.25	0.62	0.97	0.33	0.42	0.45	0.75	0.69	0.50	0.60.
.NI.KJELD.	MG/L		2.44	1.23	1.32	1.55	1.80	3.30	1.10	1.43	2.51	1.65	1.25	1.90.
.RES.FIXO	MG/L		209.	641.	176.	113.	138.	802.	172.	913.	375.	117.	212.	121..
.RES.VOLAT.	MG/L		68.	119.	57.	43.	49.	138.	62.	167.	106.	44.	64.	53..
.COLORACAO			MARROM	MARROM	MARROM	CINZA	AMAREL	MARROM	CINZA	MARROM	MARROM	AMAREL	CINZA	MARROM.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	SIM	SIM.
.VAZAO .INSTAN .TANEA	M3/S		13.1		4.39				20.0	22.1	31.2	16.6		

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIC CORUMBATAI, PONTE AC LADO DA USINA TAMANDUPA, EM RECREIO ANO - 83

CODIGO DO LOCAL - GGSP14CR2500 CLASSE - 2 BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (&) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/14.20	FEV 01/08.00	MAR 02/18.15	ABR 04/10.30	MAI 02/13.00	JUN 14/10.00	JUL 05/13.00	AGO 02/12.45	SET 05/08.45	OUT 03/09.10	NOV 07/09.00	DEZ. 05/10.00.
.TEMP.AGUA	GR.C		25.	24.	25.	26.	25.	20.	21.	19.	20.	23.	24.	23..
.PH	UNID.PH		7.1	6.8	7.6	6.7	6.3	6.5	6.6	6.6	6.6	7.2	7.0	6.9.
.OX.DISSOL	MG/L	5	6.0	8.2	6.4	8.2	7.6	7.4	8.0	6.6	7.2	6.6	7.5	7.4.
.DBO(5,20)	MG/L	5	1.	2.	5.	1.	1.	1.	2.	4.	3.	2.	1.	* 12..
.CO.F.NMP/100ML		1000	* 490.	* 170.	* 790.	* 23.	* 5.	* 23.	* 31.	* 350.	* 330.	* 1300.	* 50.	* 33..
.N.TOTAL	MG/L		0.76	1.04	1.03	0.91	0.40	0.87	0.86	1.18	0.52	0.90	1.37	1.09.
.FOSF.TOT.	MG/L		0.058	L0.020	L0.020	0.025	0.080	0.115	0.100	0.039	0.041	0.036	0.036	0.136.
.RES.TOTAL	MG/L		191.	224.	294.	101.	116.	152.	96.	157.	90.	143.	146.	90..
.TURBIDEZ	UNT		65.	80.	180.	27.	32.	35.	20.	45.	30.	45.	45.	38..
	I.Q.A.		49.	49.	40.	59.	64.	57.	58.	48.	51.	51.	56.	50..
.BARIO	MG/L	1.0	0.11	0.07	0.07	0.08	0.04	0.06	0.05	0.03	0.03	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.02	0.03	0.01	0.01	0.01	ND	0.01	0.03	0.01	0.01	0.01.
.CROMO	MG/L	0.05	ND	0.01	0.01	ND	ND	0.01	ND	ND	ND	ND	0.01	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	0.0006	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	0.0002	L.0002.
.ZINCO	MG/L	5.0	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.03	L0.001	0.01	1.20.
.FENOL	MG/L	0.001	0.0010	0.0010	$0.0020	L0.001	$0.0030	0.0010	L0.001	$0.0030	L0.001	0.0010	0.0010	0.0010.
	INDICE DE TOXIDEZ.		1	1	0	1	0	1	1	0	1	1	1	1.
.TEMP.AR	-GR.C		30.	23.	28.	30.	30.	25.	26.	21.	15.	27.	27.	28..
.CO.T.NMP/100ML		5000	* 1300.	* 220.	* 1700.	* 79.	* 14.	* 49.	* 140.	* 540.	* 490.	* 2400.	* 70.	* 79..
.FERRO	MG/L		8.00	9.44	18.2	3.80	3.35	4.54	2.44	4.66	2.66	4.22	4.10	3.78.
.MANGANES	MG/L		0.22	0.30	0.19	0.13	0.11	0.10	0.06	0.10	0.09	0.12	0.12	0.31.
.NIQUEL	MG/L		0.01	0.02	0.03	ND	ND	0.01	ND	0.01	0.01	ND	0.01	ND.
.CLORETO	MG/L		1.5	2.0	1.5	1.5	2.0	1.5	2.5	2.5	2.5	4.0	2.5	3.0.
.O.G	MG/L		5.	18.	32.	4.	8.	17.	7.	23.	15.	8.	14.	36..
.SURFACT.	MG/L		0.07	0.06	0.09	0.10	0.05	0.04	0.06	0.15	0.10	0.08	L0.04	L0.04.
.N.NITRATO	MG/L	10.0	0.20	0.21	0.14	0.28	0.18	0.16	0.25	0.21	0.19	0.22	0.33	0.06.
.N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.01.
.N.AMONIACAL	MG/L	0.5	L0.05	0.10	0.07	0.14	0.16	0.04	0.07	0.08	0.09	L0.05	0.13	0.47.
.NI.KJELDA.	MG/L		0.55	0.82	0.88	0.61	0.20	0.70	0.60	0.96	0.31	0.66	1.03	1.02.
.RES.FIXO	MG/L		143.	179.	240.	78.	86.	124.	79.	118.	68.	110.	109.	69..
.RES.VOLAT.	MG/L		48.	45.	54.	23.	30.	28.	17.	39.	22.	33.	37.	21..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM.
.VAZAO .INSTAN .TANEA	M3/S			56.5		34.6	77.5	52.4	29.5	25.1	16.9	61.2	25.1	23.1.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO ATIBAIA, NA CAPTACAO N. 3 DE CAMPINAS — ANO - 83

CODIGO DO LOCAL - 06SP14AT2065 — CLASSE - 2 — BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID	PADROES DEC8468	JAN 04/13.60	FEV 01/13.20	MAR 01/19.30	ABR 04/14.10	MAI 02/15.00	JUN 06/17.40	JUL 06/21.20	AGO 02/07.30	SET 05/06.50	OUT 03/12.30	NOV 07/17.50	DEZ 05/11.40
TEMP.AGUA	GR.C		25.	22.	26.	20.	22.	18.	18.	19.	22.	21.	25.	23.
PH	UNID.PH		6.9	6.7	6.6	6.9	6.8	6.9	6.8	7.0	6.8	7.0	7.0	7.0
OX.DISSOL	MG/L	5	6.5	7.3	7.1	7.6	7.8	8.8	9.2	8.0	7.2	7.8	6.8	8.2
DBO(5,20)	MG/L	5	2.	3.	3.	1.	1.	2.	1.	2.	1.	2.	1.	2.
CO.F.NMP/100ML		1000	* 3500.	* 200.	* 220.	* 230.	* 8.	* 11.	* 7.9	* 130.	* 22.	* 49.	* 49.	* 7.
N.TOTAL	MG/L		0.98	0.78	0.86	0.77	0.29	2.38	0.23	0.72	0.80	0.90	0.64	1.59
FOS.F.TOT.	MG/L		0.055	LO.020	0.036	LO.020	0.090	0.230	0.055	0.052	0.047	LO.020	0.033	LO.020
RES.TOTAL	MG/L		141.	538.	155.	103.	121.	371.	96.	96.	96.	77.	212.	59.
TURBIDEZ	UNT		80.	330.	55.	26.	50.	230.	23.	21.	35.	28.	85.	25.
I.Q.A.			48.	37.	49.	53.	62.	48.	65.	54.	58.	57.	53.	63.
BARIO	MG/L	1.0	0.09	0.16	0.09	0.09	0.06	0.12	0.11	0.31	0.05	LO.50	LO.50	LO.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMO6	MG/L	0.1	ND	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.01	0.05	0.02	ND	0.01	0.11	0.01	0.02	0.02	0.02	0.01	ND
CROMO	MG/L	0.05	0.01	0.02	0.01	ND	ND	0.01	ND	ND	0.01	ND	ND	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	0.0002	0.0005	L.0002	L.0002	0.0004	0.0002	L.0002	0.0004	L.0002	0.0007	0.0002
ZINCO	MG/L	5.0	0.01	0.05	0.03	0.02	0.04	0.05	0.01	0.02	0.02	LO.001	0.03	0.03
FENOL	MG/L	0.001	$0.0030	$0.0020		LO.001	LO.001	$0.0030	$0.0020	$0.0040	0.0010	$0.0040	LO.001	0.0010
INDICE DE TOXIDEZ			0	0		1	1	0	0	0	1	0	1	1
TEMP.AR	-GR.C		27.	20.	23.	22.	19.	15.	17.	14.	16.	24.	27.	29.
CO.T.NMP/100ML		5000	* 9200.	* 400.	* 790.	* 490.	* 17.	* 49.	* 33.	* 170.	* 49.	* 130.	* 70.	* 17.
FERRO	MG/L		7.24	21.7	4.65	2.88	4.20	17.5	2.55	3.32	3.52	2.94	4.44	1.27
MANGANES	MG/L		0.14	0.23	0.20	0.12	0.24	0.19	1.30	0.09	0.18	0.14	0.19	0.03
NIQUEL	MG/L		0.01	0.05	0.03	0.01	ND	0.04	ND	0.01	ND	0.01	0.01	ND
CLORETO	MG/L		3.0	2.0	2.0	2.5	6.5	2.0	2.0	3.0	2.5	2.5	2.0	2.0
OLEOS	MG/L		16.	22.	15.	8.	14.	20.	9.	15.	10.	14.	11.	5.
SURFACT.	MG/L		0.05	LO.04	0.20	0.14	0.05	0.09	0.06	0.13	0.11	0.10	0.04	LO.04
N.NITRATO	MG/L	10.0	0.16	0.16	0.12	0.14	0.08	0.17	LO.02	0.15	0.09	0.12	0.24	0.05
N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
N.AMONIACAL	MG/L	0.5	0.13	LO.05	0.12	0.09	0.09	0.26	0.09	0.05	0.14	0.07	LO.05 *	0.73
NITROGENIO	MG/L		0.81	0.61	0.73	0.52	0.20	2.20	0.20	0.56	0.69	0.77	0.39	1.53
RES.FIXO	MG/L		96.	457.	117.	79.	88.	294.	69.	68.	66.	56.	169.	32.
RES.VOLAT.	MG/L		45.	81.	38.	24.	33.	77.	27.	28.	30.	21.	43.	27.
COLORACAO			MARROM	MARROM	VERMEL	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	AMAREL	MARROM	MARROM
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	NAO	SIM
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO ATIBAIA, PONTE NA NOVA RODOVIA CAMPINAS-COSMOPOLIS ANO - 83

CODIGO DO LOCAL - 06SP14AT2605 CLASSE - 2 BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/18.50	FEV 01/16.00	MAR 01/13.30	ABR 04/12.30	MAI 02/14.00	JUN 06/08.00	JUL 06/07.50	AGO 02/09.10	SET 05/08.20	OUT 03/14.00	NOV 07/09.40	DEZ 05/12.10
TEMP.AGUA	GR.C		25.	22.	26.	24.	22.	18.	19.	19.	22.	22.	25.	26..
PH	UNID.PH		6.8	6.3	6.6	7.0	7.3	7.0	6.8	6.9	6.8	6.8	7.1	7.0.
OX.DISSOL	MG/L	5	6.2	5.4	6.6	6.7	8.1	7.6	7.8	6.8	7.0	6.2	7.2	6.4.
DBO(5,20)	MG/L	5	1.	4.	5.	2.	5.	4.	1.	5.	5.	4.	2.	2..
CO.F.NMP/100ML		1000	*62400.	* 500.	* 330.	* 1700.	* 170.	* 33.	* 4.9	* 790.	* 700.	* 330.	* 20.	* 5..
N.TOTAL	MG/L		2.17	2.14	1.32	1.26	1.44	2.58	1.17	2.39	1.67	1.94	4.29	2.34.
FOSF.TOT.	MG/L		0.110	L0.020	0.058	0.020	0.130	0.360	0.135	0.084	0.060	L0.020	0.025	L0.020.
RES.TOTAL	MG/L		167.	1236.	193.	154.	135.	377.	117.	145.	98.	164.	170.	105..
TURBIDEZ	UNT		40.	370.	70.	30.	50.	180.	30.	21.	23.	35.	50.	28...
	IQA.		46.	36.	46.	52.	49.	42.	64.	49.	50.	48.	56.	63..
BARIO	MG/L	1.0	0.09	0.19	0.09	0.09	0.18	0.14	0.11	0.04	0.05	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	0.02	ND	ND	0.01	0.01	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.05	0.22	0.02	0.01	0.03	0.04	0.02	0.06	0.02	0.02	0.01	0.03.
CROMO	MG/L	0.05	ND	0.04	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	0.0004	0.0002	0.0014	0.0002	0.0005	0.0004	0.0002	0.0005	L0.0002	0.0004	L0.0002.
ZINCO	MG/L	5.0	0.02	0.12	0.01	0.01	0.26	0.04	0.01	0.02	0.05	0.02	0.03	0.04.
FENOL	MG/L	0.001	§0.0330	L0.001		L0.001	L0.001	§0.0050	§0.0030	§0.0060	§0.0060	§0.0070	L0.001	0.0010.
INDICE DE TOXIDEZ.			0	1		1	1	0	0	0	0	0	1	1 .
TEMP.AR	GR.C		16.	20.	28.	25.	19.	15.	19.	15.	16.	24.	27.	30..
CO.T.NMP/100ML		5000	*62400.	* 800.	* 490.	* 3500.	* 790.	* 1300.	* 94.	* 790.	* 1100.	* 790.	* 80.	* 11..
FERRO	MG/L		4.14	51.6	5.20	4.15	4.44	16.9	3.04	3.91	3.52	3.38	10.2	4.28.
MANGANES	MG/L		0.20	0.44	0.16	0.17	1.20	0.30	0.11	0.16	0.20	0.40	0.20	0.41.
NIQUEL	MG/L		0.03	0.28	0.02	0.02	0.02	0.05	0.02	ND	ND	ND	0.03	ND.
CLORETO	MG/L		4.0	1.5	3.0	3.0	6.0	3.5	3.0	4.0	4.0	3.0	3.5	4.0.
[illegible]	MG/L		14.	43.	14.	9.	19.	31.	10.	16.	17.	18.	17.	19..
SURFAT.	MG/L		0.18	L0.04	0.11	0.13	0.06	0.04	0.10	0.35	0.18	0.13	0.10	0.05.
NITRATO	MG/L	10.0	0.62	0.28	0.19	0.17	0.17	0.34	0.10	0.24	0.12	0.34	3.05	0.92.
NITRITO	MG/L	1.0	0.10	0.02	0.07	0.07	0.07	0.04	0.07	0.09	0.10	0.09	0.07	0.08.
AMONIACO	MG/L	0.5	* 0.52	0.33	0.31	0.19	* 0.71	0.28	* 0.52	* 0.76	* 0.66	* 0.52	0.25	* 0.56.
NITROGENIO	MG/L		1.45	1.84	1.06	1.02	1.20	2.20	1.00	2.06	1.45	1.51	1.17	1.34.
RES.FIXO	MG/L		110.	1071.	142.	124.	99.	314.	86.	110.	69.	121.	117.	83..
RES.VOLAT.	MG/L		57.	165.	51.	30.	36.	63.	31.	35.	29.	43.	53.	22..
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	AMAREL	MARROM	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	NAO	SIM.
VAZAO INSTAN TANEA	M3/S				30.6		17.7							

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JAGUARI, EM QUEBRA POPA — ANO - 83

CODIGO DO LOCAL - 00SP14JA2800 — CLASSE - 2 — BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/10.00	FEV 01/15.30	MAR 02/11.30	ABR 04/15.30	MAI 02/07.45	JUN 14/18.30	JUL 05/07.45	AGO 02/18.30	SET 05/13.30	OUT 03/14.00	NOV 07/13.30	DEZ 05/15.00
TEMP.AGUA	GR.C		23.	24.	25.	26.	22.	20.	17.	19.	20.	23.	25.	24..
PH	UNID.PH		7.0	6.8	6.9	6.9	6.4	6.1	6.6	7.1	6.9	7.4	7.0	7.1.
OX.DISSOL	MG/L	5	8.0	7.3	7.8	7.2	8.4	8.0	8.4	7.0	7.6	7.4	8.0	8.2.
DBO(5,20)	MG/L	5	1.	3.	1.	1.	1.	1.	1.	3.	1.	1.	2.	2..
CO.F.NMP/100ML		1000	* 33.	* 23.	* 33.	* 13.	* 22.	* 17.	* 1.3	* 46.	* 130.	* 79.	* 33.	* 23..
N.TOTAL	MG/L		1.05	1.64	1.02	0.80	0.37	0.53	0.49	1.00	0.29	0.55	1.67	0.71.
FOSF.TOT.	MG/L		0.058	LO.020	0.025	0.020	0.115	0.150	0.060	0.036	0.031	0.025	0.049	0.089.
RES.TOTAL	MG/L		137.	946.	320.	107.	112.	154.	101.	92.	86.	108.	162.	70..
TURBIDEZ	UNT		76.	350.	130.	33.	43.	55.	25.	25.	20.	33.	60.	34..
	I.Q.A.		55.	44.	47.	62.	57.	55.	70.	55.	54.	56.	55.	59..
BARIO	MG/L	1.0	0.09	0.14	0.07	LO.02	LO.02	0.08	0.04	0.08	0.03	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.02	0.08	0.02	ND	ND	0.01	ND	ND	ND	0.01	0.01	0.01.
CROMO	MG/L	0.05	0.01	0.04	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	0.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0004	L.0002.
ZINCO	MG/L	5.0	0.02	0.07	0.02	0.01	0.01	LO.001	0.01	LO.001	0.04	0.05	0.02	0.03.
FENOL	MG/L	0.001	LO.001	LO.001	$0.0020	LO.001	$0.0020	$0.0020	$0.0040	$0.0020	0.0010	$0.0040	LO.001	0.0010.
INDICE DE TOXIDEZ.			1	1	0	1	0	0	0	0	1	0	1	1 .
TEMP.AR	-GR.C		30.	28.	27.	35.	20.	24.	14.	19.	23.	30.	30.	30..
CO.T.NMP/100ML		5000	* 33.	* 33.	* 70.	* 33.	* 79.	* 170.	* 22.	* 70.	* 170.	* 130.	* 79.	* 33..
FERRO	MG/L		6.68	46.0	13.8	3.75	3.38	5.64	2.66	2.55	2.56	3.96	4.33	4.66.
MANGANES	MG/L		0.12	0.52	0.26	0.09	0.08	0.08	0.05	0.07	0.09	0.25	0.09	0.11.
NIQUEL	MG/L		0.01	0.19	0.02	0.01	ND	0.01	0.01	ND	ND	0.01	0.01	ND.
CLORETO	MG/L		1.5	1.0	1.5	1.0	2.0	1.5	2.0	1.0	2.0	2.0	1.5	1.5.
[illegible]	MG/L		4.	45.	20.	6.	9.	14.	10.	12.	9.	8.	12.	9..
SURFACT.	MG/L		0.06	LO.04	0.11	0.08	0.06	0.04	LO.04	0.12	0.10	0.10	LO.04	LO.04.
N.NITRATO	MG/L	10.0	0.27	0.21	0.15	0.14	0.16	LO.02	0.18	0.20	0.14	0.21	0.21	0.07.
N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.01	0.01	LO.01	LO.01	0.01	0.01	0.01	LO.01	LO.01.
N.AMONIACAL	MG/L	0.5	0.10	LO.05	0.21	0.10	0.05	0.06	0.05	0.13	LO.05	LO.05	LO.05	0.18.
NITROGENIO	MG/L		0.77	1.62	0.86	0.65	0.20	0.50	0.30	0.79	0.14	0.33	1.45	0.63.
RES.FIXO	MG/L		94.	809.	259.	88.	84.	122.	78.	70.	63.	80.	125.	40..
RES.VOLAT.	MG/L		43.	137.	61.	19.	28.	32.	23.	22.	23.	28.	37.	30..
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PIRACICABA, PONTE NA RODOVIA AMERICANA-LIMEIRA ANO - 83

CODIGO DO LOCAL - 00SP14PI2135 CLASSE - 2 BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 04/10.50	FEV 01/14.30	MAR 02/12.30	ABR 04/14.30	MAI 02/08.45	JUN 14/16.30	JUL 05/09.30	AGO 02/17.10	SET 05/12.00	OUT 03/13.00	NOV 07/12.30	DEZ 05/14.00
TEMP.AGUA GR.C			23.	24.	25.	26.	24.	20.	18.	19.	20.	23.	25.	24..
PH	UNID.PH		6.7	7.0	6.6	6.8	6.7	5.9	6.4	7.0	6.9	7.2	7.0	7.0.
OX.DISSOL	MG/L	5	5.8	7.4	6.0	6.0	6.4	7.0	6.9	5.8	5.2	6.2	7.1	6.8.
DBO(5.20)	MG/L	5	1.	2.	4.	2.	2.	1.	2.	3. *	6.	2.	1.	2..
CO.F.NMP/100ML		1000	* 1400.	* 70.	* 170.	* 1300.	* 8.	* 3.3	* 140.	* 920.	* 790.	* 1300.	* 50.	* 130..
N.TOTAL	MG/L		1.66	0.85	1.47	1.17	0.60	0.84	0.87	1.34	1.14	1.02	1.19	1.18.
FOS.TOT.	MG/L		0.069	L0.020	0.042	0.020	0.095	0.150	0.080	L0.020	0.044	L0.020	0.039	L0.020.
RES.TOTAL	MG/L		157.	277.	338.	96.	113.	142.	98.	118.	210.	122.	117.	90..
TURBIDEZ	UNT		66.	140.	180.	22.	45.	60.	18.	23.	35.	40.	45.	27..
		1.Q.A.	48.	45.	40.	52.	60.	58.	51.	50.	45.	50.	56.	52..
BARIO	MG/L	1.0	0.09	0.07	0.07	0.05	0.02	0.08	0.05	0.08	L0.02	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.02	0.04	ND	0.01	0.01	0.01	0.01	0.01	0.01	0.01	ND.
CROMO	MG/L	0.05	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	0.0004	0.0003	L.0002	0.0002	L.0002	L.0002	L.0002	0.0002	L.0002	0.0003	L.0002.
ZINCO	MG/L	5.0	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.05	L0.001	0.03	0.03.
FENOL	MG/L	0.001	$0.0020	L0.001	$0.0040	L0.001	$0.0040	0.0010	L0.001	$0.0070	$0.0020	$0.0030	L0.001	$0.0020.
INDICE DE TOXIDEZ.			0	1	0	1	0	1	1	0	0	0	1	0 .
TEMP.AR -GR.C			30.	23.	25.	35.	24.	24.	19.	19.	22.	28.	30.	30..
CO.T.NMP/100ML		5000	* 2200.	* 110.	* 490.	* 2400.	* 23.	* 130.	* 2400.	* 1600.	* 1300.	* 2300.	* 80.	* 230..
FERRO	MG/L		4.80	10.6	15.5	2.59	3.18	5.86	2.17	2.02	4.42	3.80	3.79	3.03.
MANGANES	MG/L		0.08	0.15	0.21	0.09	0.08	0.10	0.10	0.07	0.13	0.09	0.09	0.09.
NIQUEL	MG/L		0.01	0.04	0.04	ND	ND	0.01	0.01	ND	0.01	0.01	0.01	ND.
CLORETO	MG/L		3.5	2.5	3.5	3.0	3.5	3.0	4.0	6.0	5.5	4.0	4.0	4.5.
[illegible]	MG/L		7.	15.	33.	4.	13.	13.	12.	14.	26.	11.	13.	16..
SURFACT.	MG/L		0.09	0.04	0.04	0.10	0.05	0.04	0.04	0.16	0.15	0.11	0.07	L0.04.
N.NITRATO	MG/L	10.0	0.25	0.27	0.16	0.23	0.19	0.13	0.15	0.25	0.14	0.23	0.29	0.19.
N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.02	0.03.
N.AMONIAL	MG/L	0.5	0.17	L0.05	L0.05	0.27	0.18	0.12	0.19	0.38	0.28	0.31	L0.05	0.40.
NI.KJELD.	MG/L		0.80	0.57	1.30	0.91	0.40	0.70	0.70	1.06	0.97	0.76	0.88	1.05.
RES.FIXO	MG/L		108.	223.	279.	71.	85.	107.	75.	90.	163.	91.	83.	64..
RES.VOLAT.	MG/L		49.	54.	59.	25.	28.	35.	23.	28.	47.	31.	34.	26..
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PIRACICABA, MARG. DIR., 1,4KM A MONTANTE FOZ RIB. COQUEIROS ANO - 83

CODIGO DO LOCAL - 00SP14PI2160 CLASSE - 2 BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID.	PADROES DEC8468	JAN 04/13.00	FEV 01/12.15	MAR 02/14.15	ABR 04/13.00	MAI 02/09.50	JUN 14/13.30	JUL 05/10.45	AGO 02/15.30	SET 05/06.30	OUT 03/06.45	NOV 07/07.10	DEZ 05/08.15
TEMP.AGUA	GR.C		24.	24.	25.	26.	25.	21.	21.	19.	20.	23.	24.	23.
PH	UNID.PH		7.0	6.8	6.6	6.7	6.3	6.2	6.5	7.0	6.7	7.4	7.1	6.9
OX.DISSOL	MG/L	5	* 4.2	7.4	5.0	5.9	6.6	7.1	6.1	5.0	* 4.6	5.6	5.5	5.6
DBO(5,20)	MG/L	5	2.	2.	2.	2.	1.	1.	1.	3.	3.	1.	1.	2.
CC.F.NMP/100ML		1000	*62400.	* 230.	* 790.	* 1300.	* 13.	* 1.3	* 7.9	* 240.	* 240.	* 2300.	* 23.	* 130.
N.TOTAL	MG/L		1.30	0.82	1.83	1.27	0.79	0.86	0.85	1.19	0.90	0.83	0.92	1.05
FOSF.TOT.	MG/L		0.058	LO.020	LO.020	LO.020	0.105	0.145	0.075	0.055	0.039	LO.020	0.041	0.020
RES.TOTAL	MG/L		158.	322.	668.	121.	313.	135.	78.	104.	111.	114.	153.	92.
TURBIDEZ	UNT		65.	170.	270.	34.	80.	60.	16.	17.	12.	40.	60.	25.
	I.Q.A.		44.	42.	37.	51.	54.	63.	61.	48.	47.	50.	54.	51.
BARIO	MG/L	1.0	0.09	0.05	0.09	LO.02	0.02	0.08	0.04	0.04	LO.02	LO.50	LO.50	LO.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHUMBO	MG/L	0.1	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.01	0.04	0.04	ND	0.01	0.01	0.01	0.01	ND	0.01	0.01	0.01
CROMO	MG/L	0.05	ND	0.02	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	0.0005	L.0002	0.0005	L.0002	L.0002	L.0002	0.0004	L.0002	0.0002	L.0002
ZINCO	MG/L	5.0	0.02	0.03	0.04	0.01	0.02	0.01	0.01	0.01	0.03	LO.001	0.02	0.02
FENOL	MG/L	0.001	$0.0040	LO.001	$0.0020	LO.001	$0.0020	0.0010	LO.001	$0.0020	$0.0020	$0.0040	LO.001	$0.0020
INDICE DE TOXIDEZ			0	1	0	1	0	1	1	0	0	0	1	0
TEMP.AR	GR.C		30.	23.	27.	35.	28.	27.	25.	21.	15.	23.	25.	25.
CC.T.NMP/100ML		5000	*62400.	* 310.	* 2400.	* 2400.	* 27.	* 33.	* 130.	* 240.	* 350.	* 3300.	* 33.	* 330.
FERRO	MG/L		6.36	11.9	33.0	2.94	4.60	5.64	2.12	2.27	1.70	3.44	4.15	4.63
MANGANES	MG/L		0.13	0.20	0.35	0.08	0.11	0.08	0.17	0.10	0.18	0.08	0.11	0.17
NIQUEL	MG/L		0.01	0.05	0.06	ND	ND	0.01	ND	ND	ND	0.01	0.01	0.01
CLORETO	MG/L		3.5	2.5	3.0	3.0	3.5	2.0	4.0	5.5	5.0	3.5	4.0	5.0
SULFATO	MG/L		12.	17.	32.	7.	24.	12.	10.	12.	18.	8.	16.	28.
SURFACT.	MG/L		0.12	0.05	0.10	0.11	0.05	0.05	0.07	0.20	0.12	0.09	0.04	LO.04
N.NITRATO	MG/L	10.0	0.28	0.25	0.17	0.26	0.18	0.15	0.13	0.22	0.14	0.24	0.29	0.15
N.NITRITO	MG/L	1.0	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.03	0.03	0.03	0.02
N.AMONIACAL	MG/L	0.5	0.22	LO.05	0.26	0.33	0.22	0.12	0.17	0.18	0.23	0.15	0.09	0.21
NITROGENIO	MG/L		1.01	0.55	1.64	0.99	0.60	0.70	0.70	0.96	0.73	0.56	0.60	0.88
RES.FIXO	MG/L		106.	261.	478.	98.	260.	107.	58.	74.	77.	88.	116.	66.
RES.VOLAT.	MG/L		56.	61.	190.	23.	53.	28.	20.	30.	34.	26.	37.	26.
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM
CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PIRACICABA, PONTE PROXIMA DA USINA MONTE ALEGRE ANO - 83

CODIGO DO LOCAL - GCSP14PI2192 CLASSE - 2 BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS	UNID	PADROES DEC 8468	JAN 04/15.45	FEV 01/11.45	MAR 02/17.10	ABR 04/12.30	MAI 02/10.45	JUN 14/12.40	JUL 05/11.40	AGO 02/14.50	SET 05/17.20	OUT 03/07.25	NOV 07/08.00	DEZ 05/08.45
TEMP.AGUA	GR.C		26.	24.	25.	26.	25.	21.	21.	19.	20.	23.	24.	23..
PH	UNID.PH		7.0	6.9	6.7	6.8	6.4	6.1	6.3	6.9	6.7	7.5	7.1	7.1.
OX.DISSOL	MG/L	5	* 4.6	6.0	5.6	5.9	6.0	7.2	6.4	5.0	* 4.3	5.4	5.8	5.6.
DBO(5,20)	MG/L	5	1.	3.	* 1.	2.	1.	1.	2.	4.	3.	2.	1.	3..
CO.F.NMP/100ML		1000	* 340.	* 130.	* 110.	* 490.	* 1700.	0.79	* 33.	* 310.	* 170.	* 330.	* 20.	* 330..
N.TOTAL	MG/L		0.98	1.33	1.71	1.00	0.64	0.77	1.15	1.48	0.87	0.82	1.02	0.39.
FOSF.TOT.	MG/L		0.058	LO.020	LO.020	LO.020	0.100	0.155	0.100	0.058	0.039	0.025	0.025	LO.020.
RES.TOTAL	MG/L		191.	453.	818.	130.	118.	146.	86.	106.	183.	139.	164.	83..
TURBIDEZ	UNT		65.	200.	270.	31.	55.	55.	17.	17.	12.	40.	60.	25..
	I.Q.A.		46.	39.	39.	51.	49.	65.	56.	47.	45.	49.	55.	50..
BARIO	MG/L	1.0	0.09	0.07	0.07	0.09	0.02	0.08	0.05	0.03	LO.02	LO.50	LO.50	LO.50.
CALMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.04	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01.
CROMO	MG/L	0.05	ND	0.02	0.01	ND	ND	ND	ND	ND	ND	ND	0.01	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	0.0003	L.0002	0.0002	L.0002	0.0002	L.0002	L.0002	L.0002	0.0003	L.0002.
ZINCO	MG/L	5.0	0.04	0.03	0.05	0.01	0.02	0.01	0.01	0.02	0.06	LO.001	0.05	0.03.
FENOL	MG/L	0.001	0.0010	0.0010	$0.0030	LO.001	$0.0050	$0.0020	0.0010	$0.0020	0.0010	$0.0020	0.0010	0.0010.
INDICE DE TOXIDEZ			1	1	0	1	0	0	1	0	1	0	1	1.
TEMP.AR	GR.C		36.	23.	30.	30.	28.	27.	25.	20.	15.	24.	25.	27..
CO.T.NMP/100ML		5000	* 1300.	* 230.	* 170.	* 1700.	* 5400.	* 79.	* 490.	* 1100.	* 330.	* 490.	* 50.	* 790..
FERRO	MG/L		6.82	17.8	28.7	4.03	4.26	5.70	2.34	2.31	1.60	4.26	5.30	4.03.
MANGANES	MG/L		0.14	0.26	0.70	0.11	0.09	0.10	0.35	0.09	0.13	0.11	0.17	0.13.
NIQUEL	MG/L		0.01	0.06	0.03	0.01	0.01	0.01	0.02	ND	ND	ND	0.01	ND.
CLORETO	MG/L		3.0	2.0	2.5	3.5	3.5	3.0	3.5	5.0	4.5	4.0	4.5	4.5.
SULFATO	MG/L		16.	28.	30.	7.	8.	14.	10.	15.	16.	9.	19.	19..
SURFACT.	MG/L		0.11	0.05	0.08	0.09	0.06	0.06	0.08	0.21	0.10	0.07	LO.04	LO.04.
N.NITRATO	MG/L	10.0	0.16	0.22	0.16	0.24	0.23	0.16	0.13	0.22	0.18	0.24	0.27	0.09.
N.NITRITO	MG/L	1.0	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.01	0.03	0.02	0.03	0.02.
N.AMONIACAL	MG/L	0.5	0.13	0.25	0.15	0.19	0.22	0.13	0.23	0.23	0.18	0.07	0.19	0.16.
NI.KJELD.	MG/L		0.81	1.10	1.53	0.74	0.40	0.60	1.00	1.25	0.66	0.56	0.72	0.28.
RES.FIXO	MG/L		138.	379.	590.	100.	86.	114.	68.	80.	144.	104.	124.	57..
RES.VOLAT.	MG/L		53.	74.	228.	30.	32.	32.	18.	26.	39.	35.	40.	26..
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PIRACICABA, MARG. DIR., 1,2KM A JUS. FOZ RIB. PIRACICAMIRIM ANO - 83

CODIGO DO LOCAL - GCSF14PI2215 CLASSE - 2 BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/13.45	FEV 01/11.00	MAR 02/17.30	ABR 04/12.10	MAI 02/11.00	JUN 14/12.15	JUL 05/12.00	AGO 02/14.30	SET 05/08.00	OUT 03/08.00	NOV 07/08.30	DEZ 05/09.15
TEMP.AGUA	GR.C		26.	24.	23.	26.	25.	20.	21.	19.	20.	22.	24.	23..
PH	UNID.PH		7.1	6.9	6.5	6.9	6.3	6.2	6.3	6.9	6.8	7.3	7.1	7.0.
OX.DISSOL	MG/L	5	* 4.4	6.4	* 4.8	5.7	6.0	7.5	6.2	* 4.4	* 3.9	5.6	5.2	5.4.
DBO(5,20)	MG/L	5	3.	2.	2.	2.	3.	1.	2.	3.	3.	2.	2.	2..
CO.F.NMP/100ML		1000	* 170.	* 130.	* 2300.	* 2400.	* 5.	* 2.3	* 23.	* 240.	* 80.	* 220.	* 50.	* 49..
N.TOTAL	MG/L		1.65	0.76	2.12	1.51	0.68	1.06	0.89	1.46	1.03	0.79	1.14	0.81.
FOSF.TOT.	MG/L		0.037	LO.020	LO.020	0.028	0.105	0.210	0.065	0.052	0.031	LO.020	0.047	0.039.
RES.TOTAL	MG/L		157.	348.	623.	111.	164.	149.	89.	107.	131.	114.	163.	81..
TURBIDEZ	UNT		65.	150.	270.	34.	60.	65.	17.	15.	17.	40.	60.	27..
	I.Q.A.		44.	41.	36.	51.	58.	61.	57.	46.	47.	49.	51.	54..
BARIO	MG/L	1.0	0.07	0.07	0.07	LO.02	0.04	0.09	0.07	0.04	LO.02	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.02	0.03	ND	0.01	0.01	ND	0.01	ND	0.01	ND	0.01.
CROMO	MG/L	0.05	ND	0.02	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	0.0002	L.0002	0.0002	L.0002	L.0002	L.0002	0.0002	0.0004	0.0012	L.0002.
ZINCO	MG/L	5.0	0.62	0.02	0.03	0.01	0.02	0.02	0.01	0.01	0.04	LO.001	0.05	0.02.
FENOL	MG/L	0.001	$0.0020	0.0010	$0.0030	LO.001	$0.0030	$0.0020	LO.001	$0.0020	LO.001	0.0010	LO.001	LO.001.
INDICE DE TOXIDEZ.			0	1	0	1	0	0	1	0	1	1	1	1.
TEMP.AR	-GR.C		30.	23.	27.	30.	28.	26.	25.	21.	15.	24.	26.	27..
CO.T.NMP/100ML		5000	* 220.	* 240.	* 2300.	* 5400.	* 8.	* 46.	* 330.	* 350.	* 80.	* 790.	* 80.	* 79..
FERRO	MG/L		6.14	11.5	27.6	3.75	4.20	6.02	1.78	1.45	1.70	3.44	4.33	3.66.
MANGANES	MG/L		0.12	0.23	0.25	0.11	0.09	0.09	0.07	0.06	0.08	0.08	0.11	0.11.
NIQUEL	MG/L		0.02	0.03	0.04	0.01	0.01	0.01	ND	ND	ND	ND	0.01	0.01.
CLORETO	MG/L		5.0	2.0	2.5	3.5	3.5	2.5	4.0	5.5	4.5	4.0	4.0	5.0.
DUREZA	MG/L		14.	16.	32.	8.	12.	14.	15.	14.	16.	6.	18.	15..
SURFACT.	MG/L		0.07	0.04	0.06	0.09	0.05	0.04	0.05	0.15	0.13	0.07	LO.04	LO.04.
N.NITRATO	MG/L	10.0	0.27	0.23	0.20	0.22	0.17	0.15	0.27	0.27	0.15	0.22	0.29	0.10.
N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.03	0.02	0.02	0.02.
N.AMONIACAL	MG/L	0.5	0.09	LO.05	0.23	0.49	0.23	0.20	0.18	0.31	0.25	0.10	LO.05	0.24.
NI.KJELDA.	MG/L		0.77	0.52	1.91	1.27	0.50	0.90	0.60	1.16	0.85	0.55	0.83	0.69.
RES.FIXO	MG/L		104.	298.	536.	90.	128.	115.	69.	82.	98.	88.	121.	60..
RES.VOLAT.	MG/L		53.	50.	87.	21.	36.	34.	20.	25.	33.	26.	42.	21..
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM.
CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM.
VAZAO MEDIA DIARIA	M3/S		154.	551.	474.	282.	277.	608.	294.	186.	188.	288.	288.	231..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PIRACICABA, PONTE NA LOCALIDADE DE ARTEMIS — ANO - 83

CODIGO DO LOCAL - 06SP14P12800 — CLASSE - 2 — BACIA - PIRACICABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/15.15	FEV 01/09.00	MAR 02/19.15	ABR 04/11.30	MAI 02/12.00	JUN 14/11.30	JUL 05/14.00	AGO 02/13.30	SET 05/09.40	OUT 03/08.45	NOV 07/10.00	DEZ. 05/11.00.
.TEMP.AGUA	GR.C		24.	24.	25.	26.	25.	21.	21.	19.	20.	23.	24.	23..
.PH	UNID.PH		7.1	7.0	6.8	7.0	6.5	6.4	7.3	6.8	6.7	7.4	6.9	6.8.
.OX.DISSOL	MG/L	5	7.0	7.4	6.8	7.5	7.4	7.8	7.8	6.0	7.0	7.2	7.6	6.8.
.DBO(5,20)	MG/L	5	1.	2.	2.	4.	1.	1.	2.	5.	3.	1.	3.	* 7..
.CO.F.NMP/100ML		1000	* 140.	* 33.	* 1300.	* 490.	* 12.	* 3.1	* 33.	* 170.	* 130.	* 130.	* 350.	* 220..
.N.TOTAL	MG/L		1.18	0.82	1.67	0.95	0.58	0.77	0.88	1.10	0.62	0.64	0.97	1.20.
.FOSF.TOT.	MG/L		0.058	LQ.020	0.020	LQ.020	0.090	0.145	0.080	0.041	0.036	LQ.020	LQ.020	LQ.020.
.RES.TOTAL	MG/L		180.	195.	718.	101.	128.	165.	96.	121.	110.	100.	159.	91..
.TURBIDEZ	UNT		60.	100.	250.	26.	47.	60.	17.	15.	15.	23.	55.	32..
		I.Q.A.	50.	52.	39.	52.	65.	62.	58.	49.	52.	54.	50.	48..
.BARIO	MG/L	1.0	0.05	0.07	0.09	LQ.02	0.04	0.08	0.05	0.03	LQ.02	LQ.50	LQ.50	LQ.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.02	0.04	0.01	0.01	0.01	0.01	0.01	ND	0.01	0.01	0.01.
.CROMO	MG/L	0.05	0.01	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	0.0002	L.0002	0.0005	L.0002	0.0004	L.0002	L.0002	L.0002	L.0002	L.0002	0.0003	L.0002.
.ZINCO	MG/L	5.0	0.03	0.02	0.03	0.01	0.02	0.02	0.02	0.01	0.12	LQ.001	0.04	0.02.
.FENOL	MG/L	0.001	$0.0030	$0.0020	$0.0020	LQ.001	$0.0040	$0.0020	LQ.001	$0.0040	0.0010	0.0010	LQ.001	$0.0020.
INDICE DE TOXIDEZ.			0	0	0	1	0	0	1	0	1	1	1	0 .
.TEMP.AR	-GR.C		32.	23.	28.	30.	30.	26.	26.	21.	22.	27.	27.	29..
.CO.T.NMP/100ML		5000	* 220.	* 49.	* 2300.	* 790.	5.	* 49.	* 130.	* 350.	* 240.	* 330.	* 920.	* 490..
.FERRO	MG/L		6.14	10.6	23.9	3.69	3.55	6.34	2.17	1.83	1.40	3.14	3.66	4.16.
.MANGANES	MG/L		0.14	0.21	0.32	0.11	0.08	0.10	0.08	0.08	0.07	0.22	0.12	0.11.
.NIQUEL	MG/L		0.02	0.02	0.04	0.01	0.01	0.01	ND	ND	ND	ND	0.01	0.01.
.CLORETO	MG/L		2.5	2.0	2.0	3.0	4.0	2.5	3.5	5.0	5.0	2.5	4.5	4.5.
.OLEOS	MG/L		1.	26.	38.	60.	10.	16.	11.	18.	17.	9.	12.	32..
.SURFACT.	MG/L		0.08	0.10	0.12	0.10	0.05	0.05	0.04	0.12	0.12	0.06	LQ.04	0.04.
.N.NITRATO	MG/L	10.0	0.25	0.25	0.16	0.28	0.26	0.16	0.16	0.22	0.18	0.22	0.29	0.06.
.N.NITRITO	MG/L	1.0	0.02	0.02	0.02	0.02	0.02	LQ.01	0.02	0.02	0.03	0.01	0.02	0.02.
.N.AMONIACAL	MG/L	0.5	0.19	0.07	0.07	0.12	0.18	0.13	0.13	0.08	LQ.05	0.09	0.06	0.46.
.N.KJELD.	MG/L		0.91	0.55	1.49	0.65	0.30	0.60	0.70	0.86	0.41	0.41	0.65	1.12.
.RES.FIXO	MG/L		125.	151.	613.	83.	97.	130.	73.	92.	80.	72.	117.	67..
.RES.VOLAT.	MG/L		55.	44.	105.	18.	31.	35.	23.	29.	30.	28.	42.	24..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	SIM	NAO	SIM	SIM.
.VAZAO	M3/S			208.	255.	274.	199.		177.	179.	163.	182.	179.	117..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO SOROCABA, PONTE DO PINGA-PINGA, EM SOROCABA — ANO - 83

CODIGO DO LOCAL - 00SP15SO2100 — CLASSE - 2 — BACIA - SOROCABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC 8468	JAN 05/16.30	FEV 02/17.15	MAR 02/16.30	ABR 05/15.45	MAI 03/17.10	JUN 07/15.15	JUL 07/15.22	AGO 03/16.50	SET 01/17.10	OUT 04/17.15	NOV 08/17.00	DEZ 06/12.05
.TEMP.AGUA GR.C		23.	18.	27.	24.	22.	19.	21.	17.	20.	22.	23.	24..
.PH UNID.PH		6.1	6.7	6.6	6.0	6.5	6.5	6.6	7.5	6.8	7.2	7.1	6.6.
.OX.DISSOL MG/L	5	5.9	6.8	5.4	5.2	7.0	7.6	7.6	8.4	7.1	6.0	7.0	7.4.
.DBO(5,20) MG/L	5	3.	3.	4.	* 12.	2.	3.	4.	4.	* 6.	5.	4.	3..
.CO.F.NMP/100ML	1000	* 800.	* 790.	*13000.	* 800.	*G2400.	* 490.	* 350.	* 3300.	* 1300.	* 4600.	*11000.	* 2300..
.N.TOTAL MG/L		1.23	0.52	2.62	1.80	1.23	1.26	0.94	0.97	1.42	1.39	0.74	2.49.
.FOSF.TOT. MG/L		0.058	0.033	0.031	L0.020	0.135	0.185	0.115	0.063	0.069	0.055	L0.020	L0.020.
.RES.TOTAL MG/L		283.	182.	319.	752.	109.	206.	96.	87.	125.	71.	67.	138..
.TURBIDEZ UNT		150.	55.	120.	100.	10.	75.	18.	12.	20.	15.	10.	17..
	I.Q.A.	39.	48.	39.	35.	53.	46.	51.	53.	49.	50.	53.	51..
.BARIO MG/L	1.0	0.15	0.08	0.11	0.11	L0.02	0.06	0.05	L0.02	0.05	L0.50	L0.50	L0.50.
.CADMIO MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO MG/L	0.1	0.01	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE MG/L	1.0	0.03	0.01	0.03	0.04	ND	0.01	0.01	0.01	0.01	0.01	ND	0.01.
.CROMO MG/L	0.05	0.01	ND	0.02	0.03	ND	0.01	ND	ND	ND	ND	ND	ND.
.ESTANHO MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO MG/L	5.0	0.64	0.08	0.04	0.09	0.02	0.02	0.01	0.01	0.03	L0.001	L0.003	0.01.
.FENOL MG/L	0.001	L0.001	$0.0030	$0.0040	$0.0060	L0.001	$0.0550	L0.001	$0.0090	$0.0120	$0.0040	$0.0040	L0.001.
INDICE DE TOXIDEZ.		1	0	0	0	1	0	1	0	0	0	0	1 .
.TEMP.AR -GR.C		26.	20.	31.	29.	24.	22.	25.	16.	25.	25.	29.	28..
.CO.T.NMP/100ML	5000	* 1300.	* 1300.	*23000.	* 2300.	*G2400.	* 1300.	* 1300.	* 4900.	* 7000.	* 7000.	*54000.	* 3300..
.FERRO MG/L		11.6	4.60	11.8	5.58	1.17	8.74	1.93	1.11	2.38	1.75	1.08	2.00.
.MANGANES MG/L		0.19	0.15	0.35	0.33	0.10	0.26	0.07	0.06	0.14	0.10	0.05	0.09.
.NIQUEL MG/L		0.06	ND	0.06	0.06	ND	0.02	0.01	ND	ND	ND	ND	ND.
.CLORETO MG/L		4.0	3.0	5.0	4.0	4.0	3.5	4.0	3.5	5.5	4.0	4.0	13.0.
.OLEOS MG/L		16.	15.	30.	70.	16.	23.	23.	18.	35.	18.	27.	17..
.SURFACT. MG/L		0.10	0.11	0.16	0.32	0.05	0.04	0.24	0.28	0.16	0.20	0.13	0.26.
.N.NITRATO MG/L	10.0	0.13	0.12	0.11	0.10	L0.02	0.15	0.03	0.05	0.07	0.05	0.03	0.53.
.N.NITRITO MG/L	1.0	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.25.
.N.AMONIACAL MG/L	0.5	0.12	0.24 *	0.67	0.15	0.12	0.03	0.15	0.18	0.22	0.45	0.13	0.49.
.NI.KJELD. MG/L		1.09	0.39	2.48	1.69	1.20	1.10	0.90	0.91	1.33	1.33	0.70	1.71.
.RES.FIXO MG/L		242.	133.	298.	663.	85.	150.	70.	63.	95.	55.	48.	111..
.RES.VOLAT.MG/L		41.	49.	21.	89.	24.	56.	26.	24.	30.	16.	19.	27..
.COLORACAO		MARROM	MARROM	MARROM	MARROM	CINZA	AMAREL	CINZA	CINZA	CINZA	CINZA	CINZA	TURVA.
.CHUVAS		SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
.VAZAO .MEDIA M3/S .DIARIA		34.6	51.0	24.0	33.2	36.7				27.6	36.7	36.5	36.2.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO SOROCABA, PONTE NA LOCALIDADE DE ITAVUVU ANO - 83

CODIGO DO LOCAL - OOSP15SO2120 CLASSE - 2 BACIA - SOROCABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID.	PADROES DEC8468	JAN 05/15.30	FEV 02/18.30	MAR 02/15.30	ABR 05/15.00	MAI 03/16.00	JUN 07/16.20	JUL 07/16.25	AGO 03/10.00	SET 01/09.40	OUT 04/10.00	NOV 08/18.00	DEZ. 06/12.55.
.TEMP.AGUA	GR.C		24.	19.	26.	24.	23.	18.	20.	16.	19.	22.	22.	25..
.PH	UNID.PH		6.2	6.6	6.4	6.0	6.4	6.8	6.3	6.9	6.6	6.8	6.9	6.4.
.OX.DISSOL	MG/L	5	* 3.4	6.9	* 2.6	* 3.6	* 4.9	7.0	5.4	5.8	* 4.3	* 4.8	5.2	* 4.0.
.DBO(5,20)	MG/L	5	1.	* 7.	1.	2.	2.	* 7.	1.	2.	4.	3.	1.	2..
.CO.F.NMP/	100ML	1000	* 130.	* 330.	* 49.	* 13.	* 13.	* 23.	* 2.3	* 49.	* 23.	* 92.	* 920.	* 2300..
.N.TOTAL	MG/L		0.52	5.00	1.10	0.84	1.14	1.07	0.32	0.67	0.83	0.59	0.73	0.75.
.FOSF.TOT.	MG/L		0.036	0.028	L0.020	0.049	0.135	0.170	0.070	0.072	0.060	0.033	L0.020	L0.020.
.RES.TOTAL	MG/L		123.	1975.	190.	131.	85.	234.	109.	83.	137.	95.	107.	147..
.TURBIDEZ	UNT		25.	300.	75.	25.	15.	100.	27.	15.	25.	20.	25.	34..
.		I.Q.A.	43.	36.	41.	49.	56.	48.	63.	54.	49.	51.	50.	45..
.BARIO	MG/L	1.0	0.07	0.46	0.07	0.07	L0.02	0.04	0.09	0.03	0.05	L0.50	L0.50	L0.50.
.CALMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	ND	0.11	0.01	0.01	ND	0.01	0.01	0.01	ND	0.01	ND	ND.
.CROMO	MG/L	0.05	ND	$ 0.06	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	0.0004	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.07	0.30	0.01	0.01	0.01	0.03	0.08	L0.001	0.02	L0.001	L0.003	0.01.
.FENOL	MG/L	0.001	L0.001	$0.0030	L0.001	0.0010	0.0010	L0.001	L0.001	$0.0040	$0.0020	L0.001	L0.001	0.0010.
.	INDICE DE TOXIDEZ.		1	0	1	1	1	1	1	0	0	1	1	1 .
.TEMP.AR	-GR.C		28.	19.	31.	28.	26.	20.	22.	12.	20.	26.	27.	30..
.CO.T.NMP/	100ML	5000	* 230.	* 330.	* 240.	* 23.	* 49.	* 490.	* 20.	* 130.	* 49.	* 160.	* 920.	* 3300..
.FERRO	MG/L		1.66	140.	5.00	2.30	1.65	8.96	2.72	1.50	2.04	1.95	3.02	2.73.
.MANGANES	MG/L		0.13	2.16	0.23	0.18	0.13	0.10	0.14	0.12	0.09	0.12	0.10	0.15.
.NIQUEL	MG/L		ND	0.25	0.02	ND	ND	0.02	0.01	ND	ND	ND	0.01	ND.
.CLORETO	MG/L		3.5	5.0	3.5	4.0	3.5	2.5	4.0	4.5	5.0	4.0	4.0	4.0.
.D.B.O	MG/L		5.	110.	15.	8.	10.	35.	14.	15.	10.	9.	15.	9..
.SURFAT.	MG/L		0.08	0.08	0.11	0.18	0.04	0.04	0.08	0.10	0.08	0.08	0.05	0.05.
.N.NITRATO	MG/L	10.0	0.11	0.04	0.16	0.18	L0.02	0.16	0.10	0.03	0.10	0.09	0.10	0.29.
.N.NITRITO	MG/L	1.0	0.03	0.09	0.04	0.03	0.02	0.01	0.02	0.02	0.03	0.04	0.02	0.01.
.N.AMONIACAL	MG/L	0.5	0.10	0.33	0.20	0.16	0.10	0.02	0.15	0.21	0.16	0.17	0.05	0.21.
.NI.KJELD.	MG/L		0.78	4.87	0.90	0.63	1.10	0.90	0.20	0.62	0.70	0.46	0.61	0.45.
.RES.FIXO	MG/L		96.	1684.	151.	106.	60.	164.	86.	60.	107.	74.	74.	107..
.RES.VOLAT.	MG/L		27.	291.	39.	25.	25.	70.	23.	23.	30.	21.	33.	40..
.COLORACAO			AMAREL	MARROM	AMAREL	CINZA	CINZA	AMAREL	CINZA	CINZA	CINZA	AMAREL	CINZA	TURVA.
.CHUVAS			SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO SOROCABA, PONTE NA RODOVIA LARANJAL PAULISTA-ENTRE RIOS ANO - 83

CODIGO DO LOCAL - OOSP15SO2210 CLASSE - 2 BACIA - SOROCABA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/12.05	FEV 02/14.15	MAR 02/11.30	ABR 05/11.30	MAI 03/11.00	JUN	JUL 07/11.00	AGO 03/11.35	SET 01/13.00	OUT 04/13.00	NOV 08/12.00	DEZ 06/17.10
.TEMP.AGUA	GR.C		23.	21.	26.	25.	23.		18.	17.	21.	24.	25.	23..
.PH	UNID.PH		6.4	6.7	6.7	6.0	6.3		6.6	7.1	6.9	7.2	6.9	7.1.
.OX.DISSOL	MG/L	5	7.1	7.4	7.4	8.0	8.5		9.0	8.8	8.6	7.2	7.4	8.0.
.DBO(5,20)	MG/L	5	1.	2.	1.	1.	1.		1.	2.	5.	1.	2. *	10..
.CO.F.NMP/100ML		1000	* 30.	* 170.	* 170.	* 120.	* 22.		* 23.	* 23.	* 11.	* 2.2	* 35. *	11..
.N.TOTAL	MG/L		1.68	2.02	0.87	0.78	0.63		0.41	0.49	0.65	0.82	0.90	1.51.
.FOS.TOT.	MG/L		0.058	0.123	L0.020	0.028	0.100		0.020	0.058	0.060	0.039	0.020	0.603.
.RES.TOTAL	MG/L		139.	264.	161.	119.	100.		81.	102.	98.	83.	161.	381..
.TURBIDEZ	UNT		49.	150.	75.	26.	32.		15.	22.	18.	35.	90.	81..
	I.Q.A.		55.	42.	50.	58.	58.		61.	60.	61.	68.	53.	47..
.BARIO	MG/L	1.0	0.07	0.05	0.07	0.07	L0.02		L0.02	L0.02	0.05	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	0.01	ND	ND	0.06	ND		ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.04	0.02	0.01	0.02	0.02		ND	ND	ND	0.01	0.01	0.01.
.CROMO	MG/L	0.05	0.01	0.01	ND	ND	ND		ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.04	0.03	0.01	0.02	0.03		0.01	L0.001	0.01	0.01	L0.003	0.02.
.FENOL	MG/L	0.001	0.0010	§0.0030	L0.001	L0.001	L0.001		L0.001	§0.0040	0.0010	0.0010	L0.001	L0.001.
INDICE DE TOXIDEZ.			1	0	1	1	1		1	0	1	1	1	1 .
.TEMP.AR	GR.C		21.	20.	28.	29.	24.		22.	13.	23.	29.	32.	22..
.CO.T.NMP/100ML		5000	* 70.	* 350.	* 330.	* 20.	* 130.		* 350.	* 33.	* 33.	* 130.	* 35. *	27..
.FERRO	MG/L		4.40	9.28	6.00	2.86	2.81		1.73	2.16	1.71	2.78	5.55	4.80.
.MANGANES	MG/L		0.14	0.10	0.16	0.15	0.10		0.06	0.10	0.20	0.08	0.05	0.17.
.NIQUEL	MG/L		0.65	0.01	0.01	ND	ND		ND	ND	ND	0.01	0.01	ND.
.CLORETO	MG/L		3.5	2.5	3.0	3.0	2.5		3.5	3.5	3.5	4.0	3.0	4.0.
.DUR	MG/L		10.	18.	18.	4.	10.		11.	12.	16.	7.	22.	22..
.SURFACT.	MG/L		0.07	0.04	0.22	0.13	0.05		0.04	0.07	0.05	0.06	L0.04	0.13.
.N.NITRATO	MG/L	10.0	0.15	0.23	0.13	0.16	L0.02		0.10	0.13	0.13	0.10	0.15	0.11.
.N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.01	L0.01		0.01	0.01	0.02	0.01	0.01	0.01.
.N.AMONIACAL	MG/L	0.5	0.07	0.29	L0.05	L0.05	0.02		0.05	L0.05	L0.05	L0.05	L0.05	0.43.
.NI.KJELD.	MG/L		0.92	1.78	0.73	0.61	0.60		0.30	0.35	0.50	0.71	0.73	1.39.
.RES.FIXO	MG/L		108.	206.	140.	94.	77.		67.	73.	77.	66.	117.	313..
.RES.VOLAT.	MG/L		31.	58.	21.	25.	23.		14.	29.	21.	17.	44.	68..
.COLORACAO			AMAREL	MARROM	AMAREL	AMAREL	AMAREL		AMAREL	AMAREL	AMAREL	AMAREL	AMAREL	TURVA.
.CHUVAS			SIM	SIM	SIM	NAO	NAO		NAO	NAO	NAO	NAO	NAO	SIM.
.VAZAO .INSTAN .TANEA	M3/S		164.		156.	105.	132.		171.	108.	67.2	143.	146.	95.2.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JACARE-GUACU, PONTE NA RODOVIA IBITINGA-ITAJU ANO - 83

CODIGO DO LOCAL - 06SP21JG2100 CLASSE - 3 BACIA - TIETE MEDIO-INFERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/10.20		FEV 01/11.50		MAR 03/11.00		ABR 05/09.55	MAI 03/10.05	JUN 07/11.00	JUL 06/10.10	AGO 02/11.50	SET 01/10.20	OUT 04/10.50	NOV 03/10.45	DEZ 05/10.30
TEMP.AGUA	GR.C		26.		25.		27.		26.	23.	19.	23.	18.	21.	23.	23.	25.
PH	UNID.PH		7.1		6.5		6.2		6.1	6.4	6.4	6.1	6.2	6.0	5.9	6.3	6.3
OXIGENIO DISSOL	MG/L	4	4.4	*	3.2	*	3.4		4.5	4.8	5.7	5.7	6.4	6.7	4.8	6.5	4.5
DBO(5,20)	MG/L	10	1.		1.		1.		1.	1.	L1.	2.	2.	2.	1.	1.	1.
COLI.FECAL	NMP/100ML	4000	2.3	*	4.9		0.79		0.49	3.3	0.79	0.07	0.79	3.3	0.7	3.3	1.3
N.TOTAL	MG/L		0.29		0.25		0.22		0.11	0.09	0.22	0.22	0.09	0.36	0.10	0.17	0.30
FOSF.TOT.	MG/L		0.020		0.030		0.010		0.010	0.010	0.030	0.010	0.015	L0.005	0.005	0.010	0.010
RES.TOTAL	MG/L		70.		62.		61.		50.	40.	59.	113.	45.	77.	46.	57.	0.58
TURBIDEZ	UNT		25.		50.		24.		32.	8.0	29.	9.0	8.2	8.0	12.	16.	12.
	I.Q.A.		63.		52.		59.		65.	62.	67.	75.	69.	64.	64.	66.	64.
BARIO	MG/L	1.0								L0.02							
CADMIO	MG/L																
CROMO	MG/L																
COBRE	MG/L																
CROMO	MG/L																
ESTANHO	MG/L																
MERCURIO	MG/L																
ZINCO	MG/L	5.0								L0.001							
FENOL	MG/L																
INDICE DE TOXIDEZ.																	
TEMP.AR	GR.C		34.		24.		33.		27.	24.	18.	20.	17.	20.	25.	26.	22.
COLI.TERMO	NMP/100ML	20000	13.	*	35.		0.79	*	54.	4.9	3.3	1.1	2.2	3.3	3.3	4.9	2.3
FERRO	MG/L									0.87							
MANGANES	MG/L									0.02							
NIQUEL	MG/L																
CLORETO	MG/L		2.5		3.5		2.0		2.5	2.0	1.5	2.0	2.0	2.0	2.0	2.5	3.0
DUREZA	MG/L		11.		9.		8.		3.	5.	7.	6.	3.	5.	7.	7.	5.
SURFACT.	MG/L		L0.04														
NITRATO	MG/L	10.0	0.01		0.04		0.01		0.05	0.04	0.04	0.06	0.04	0.01	0.02	L0.01	0.05
NITRITO	MG/L	1.0	L0.01		L0.01		L0.01		L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01
AMONIACO	MG/L	0.5	0.03		L0.01		0.14		0.01	0.03	0.06	L0.01	0.03	0.06	0.01	0.01	0.03
NITROGENIO	MG/L		0.27		0.20		0.20		0.04	0.04	0.17	0.15	0.04	0.34	0.07	0.15	0.24
RES.FIXO	MG/L											83.		51.			
RES.VOLAT.	MG/L											30.		26.			
COLORACAO			MARROM		LIMPIDO		AMAREL		VERDE	LIMPID	AMAREL	VERDE	VERDE	AMAREL	VERDE	LIMPID	VERDE
CHUVAS			NAO		SIM		NAO		NAO	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO
VAZAO MEDIA	M3/S		64.8		111.		90.8		79.5	83.0	156.	68.3	62.1	48.2	70.3	85.5	60.6
VARIANCIA																	

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JACARE-PEPIRA, PONTE NA RODOVIA JAU-BOA ESPERANCA DO SUL ANO - 83

CODIGO DO LOCAL - GGSA21JP2050 CLASSE - 3 BACIA - TIETE MEDIO-INFERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 06/11.55	FEV 03/11.00	MAR	ABR 04/13.00	MAI	JUN	JUL 04/13.00	AGO	SET 05/12.55	OUT	NOV 03/13.20	DEZ
.TEMP.AGUA	GR.C		25.	22.		26.			20.		21.		25.	
.PH	UNID.PH		6.7	7.0		7.5			7.0		6.9		7.0	
.OX.DISSOL	MG/L	4	5.9	6.1		7.8			9.2		7.9		7.3	
.DBO(5,20)	MG/L	10	1.	1.		1.			1.		3.		1.	
.CO.F.NMP/100ML		4000	0.079	0.35		0.079			0.33		0.033		0.24	
.N.TOTAL	MG/L		0.64	0.65		0.50			0.56		0.31		0.52	
.FOSF.TOT.	MG/L		L0.022	L0.022		0.025			L0.022		0.043		0.037	
.RES.TOTAL	MG/L		46.	134.		42.			50.		57.		51.	
.TURBIDEZ	UNT		16.	35.		18.			14.		16.		22.	
	I.Q.A.		78.	71.		81.			78.		82.		77.	
.BARIO	MG/L													
.CADMIO	MG/L													
.CHUMBO	MG/L													
.COBRE	MG/L													
.CROMO	MG/L													
.ESTANHO	MG/L													
.MERCURIO	MG/L													
.ZINCO	MG/L													
.FENOL*	MG/L													
INDICE DE TOXIDEZ.														
.TEMP.AR	-GR.C		30.	27.		31.			24.		23.		30.	
.CO.T.NMP/100ML		20000	0.54	0.92		0.54			9.2		1.6		0.92	
.FERRO	MG/L													
.MANGANES	MG/L													
.NIQUEL	MG/L													
.CLORETO	MG/L		1.5	1.4		1.0			2.5		1.6		0.8	
.O.D.	MG/L		10.	11.		6.			4.		5.		6.	
.SURFACT.	MG/L													
.N.NITRATO	MG/L	10.0	0.155	0.185		0.223			0.150		0.262		0.145	
.N.NITRITO	MG/L	1.0	L0.003	L0.003		0.003			L0.003		L0.003		L0.003	
.N.AMONIACAL	MG/L	0.5	0.16	L0.08		0.15			0.16		L0.08		L0.08	
.NI.KJELD.	MG/L		0.478	0.459		0.275			0.411		L0.045		0.370	
.RES.FIXO	MG/L													
.RES.VOLAT.	MG/L													
.COLORACAO			TURVA	TURVA		LIMPID			TURVA		LIMPID		TURVA	
.CHUVAS			SIM	SIM		NAO			NAO		SIM		NAO	
.VAZAO .MEDIA .DIARIA	M3/S		39.9	69.0		45.3			50.7		29.7		34.2	

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DE PROMISSAO, PONTE NA RODOVIA BORBOREMA-PONGAI ANO - 83

CODIGO DO LOCAL - 01SP21PS2010 CLASSE - 2 BACIA - TIETE MEDIO-INFERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC.8468	JAN 04/08.20	FEV 01/10.10	MAR 03/08.30	ABR 05/07.30	MAI 03/07.50	JUN 07/08.50	JUL 06/08.10	AGO 02/09.50	SET 01/08.00	OUT 04/08.20	NOV 03/08.45	DEZ 05/08.07
TEMP.AGUA	GR.C		24.	25.	27.	26.	23.	19.	21.	18.	21.	20.	22.	23..
PH	UNID.PH		6.8	6.8	7.2	6.9	7.1	6.7	6.4	6.7	6.9	6.8	6.7	6.5.
OX.DISSOL	MG/L	5	8.6	7.3	8.6	8.8	7.8	9.1	8.4	9.4	9.5	8.2	7.9	7.7.
DBO(5,20)	MG/L	5	2.	3.	1.	2.	1.	3.	2.	3.	1.	2.	1.	1..
CO.F.NMP/100ML		1000	0.65	0.11	0.05	0.05	* 92.	0.13	0.05	0.05	0.02	0.002	0.002	0.02.
N.TOTAL	MG/L		0.80	0.42	0.52	0.39	0.34	0.88	0.72	0.50	0.46	0.68	0.74	0.93.
FOSF.TOT.	MG/L		0.065	0.005	0.020	0.005	0.015	0.055	0.005	0.030	L0.005	0.010	0.010	0.035.
RES.TOTAL	MG/L		149.	142.	109.	92.	99.	113.	121.	69.	95.	86.	91.	111..
TURBIDEZ	UNT		65.	100.	67.	46.	42.	52.	52.	26.	8.0	15.	20.	22..
	I.Q.A.		75.	69.	77.	77.	55.	73.	76.	79.	86.	89.	90.	83..
BARIO	MG/L	1.0	0.09	0.08	0.04	L0.02	0.02	0.03	0.13	0.05	0.09	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.02	0.01	0.01	0.01	0.01	0.01	ND	ND	ND	ND	ND.
CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0004	L.0002	L.0002	0.0004	L.0002	L.0002	L.002	L.0002.
ZINCO	MG/L	5.0	0.01	0.02	L0.001	0.01	0.02	L0.001	0.01	L0.001	0.01	L0.001	0.02	L0.003.
FENOL	MG/L	0.001	L0.001	$0.0020	L0.001	L0.001	L0.001	$0.0030	L0.001	$0.0030	L0.001	$0.0030	$0.0040	0.0010.
INDICE DE TOXIDEZ.			1	0	1	1	1	0	1	0	1	0	0	1 .
TEMP.AR	GR.C		30.	24.	29.	25.	22.	17.	19.	16.	17.	19.	25.	21..
CO.T.NMP/100ML		5000	0.23	0.49	0.05	0.23	* 92.	1.1	0.49	0.08	0.08	0.11	0.79	0.33.
FERRO	MG/L		3.46	4.06	3.41	1.95	2.64	3.83	3.52	2.16	0.92	0.50	1.40	1.48.
MANGANES	MG/L		0.04	0.04	0.03	0.02	0.03	0.04	0.03	0.03	0.01	0.01	0.19	0.04.
NIQUEL	MG/L		0.01	0.01	0.01	ND	0.01	ND	0.01	0.01	ND	ND	ND	ND.
CLORETO	MG/L		5.5	7.0	3.5	4.5	5.0	5.0	4.0	4.0	3.0	6.5	8.5	7.5.
DUREZA	MG/L		14.	13.	10.	7.	8.	11.	11.	10.	7.	9.	8.	8..
SURFACT.	MG/L		0.08	0.07	L0.04	L0.04	L0.04	0.08	0.05	L0.04	L0.04	0.04	0.05	L0.04.
N.NITRATO	MG/L	10.0	0.41	0.17	0.19	0.21	0.29	0.37	0.35	0.37	0.05	0.35	0.33	0.44.
N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	0.01	0.01	L0.01	L0.01.
N.AMONIACAL	MG/L	0.5	0.03	L0.01	0.16	0.03	L0.01	0.16	L0.01	0.04	0.08	0.03	0.08	0.03.
NI.KJELDA.	MG/L		0.38	0.24	0.32	0.17	0.04	0.50	0.36	0.12	0.40	0.32	0.40	0.48.
RES.FIXO	MG/L		86.	84.	67.	61.	66.	80.	88.	60.	60.	48.	60.	68..
RES.VOLAT.	MG/L		63.	58.	42.	31.	33.	33.	33.	29.	35.	38.	31.	43..
COLORACAO			MARROM	MARROM	LIMPID	LIMPID	MARROM	MARROM	MARROM	MARROM	LIMPID	VERDE	LIMPID	MARROM.
CHUVAS			NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, A JUSANTE DA BARRAGEM DE BARRA BONITA ANO - 83

CODIGO DO LOCAL - 6GSF21TE2400 CLASSE - 2 BACIA - TIETE MEDIO-INFERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC84.68	JAN 06/14.00	FEV 03/12.35	MAR 03/13.30	ABR 07/12.20	MAI 04/14.15	JUN 08/13.00	JUL 04/14.00	AGO 08/14.00	SET 05/14.00	OUT 06/12.30	NOV 03/14.30	DEZ. 01/12.10.
.TEMP.AGUA	GR.C		26.	27.	22.	25.	27.	20.	21.	20.	21.	22.	22.	25..
.PH	UNID.PH		6.5	6.9	6.9	7.4	7.3	7.3	6.9	7.3	7.1	6.9	7.2	7.4.
.OX.DISSOL	MG/L	5	6.6	8.9	5.3	7.9	7.5	12.1	7.9	9.8	9.1	6.8	8.2	8.7.
.DBO(5,20)	MG/L	5	2.	1.	1.	1.	1.	1.	1.	1.	2.	4.	1.	3..
.CO.F.NMP/100ML		1000	0.033	0.023	0.049	LO.002	0.033	0.35	0.023	0.023	0.023	0.005	0.023	0.023.
.N.TOTAL	MG/L		1.52	1.01	0.82	1.19	0.92	1.05	1.10	1.07	0.93	1.71	1.36	0.80.
.FOSF.TOT.	MG/L		0.113	0.103	0.037	0.043	0.058	0.083	0.049	0.040	0.028	0.055	0.043	0.068.
.RES.TOTAL	MG/L		134.	143.	110.	132.	78.	151.	126.	85.	87.	114.	101.	150..
.TURBIDEZ	UNT		57.	63.	62.	57.	18.	68.	54.	16.	5.0	25.	25.	21..
		I.Q.A.	76.	77.	73.	86.	84.	67.	79.	84.	85.	82.	83.	80..
.BARIO	MG/L	1.0	0.07	0.07	0.07	0.05	0.05	0.04	0.05	0.04	0.05	LO.50	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMOO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.01	0.01	0.01	ND	0.01	ND	0.01	ND	0.01	ND	ND.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002.
.ZINCO	MG/L	5.0	0.01	0.01	0.01	LO.001	LO.001	LO.001	0.01	LO.001	0.03	0.01	0.03	0.03.
.FENOL	MG/L	0.001	0.0010	LO.001	$0.0020	LO.001	0.0010	LO.001	$0.0040	0.0010	$0.0020	0.0010	LO.001	LO.001.
	INDICE DE TOXIDEZ.		1	1	0	1	1	1	0	1	0	1	1	1.
.TEMP.AR	-GR.C		31.	26.	28.	27.	32.	24.	24.	26.	21.	24.	26.	28..
.CO.T.NMP/100ML		5000	0.033	0.049	0.24	0.008	0.079	0.54	0.033	0.54	0.023	0.023	0.023	0.049.
.FERRO	MG/L		3.88	4.60	4.10	3.51	1.42	4.62	3.46	0.92	0.41	1.63	6.00	1.25.
.MANGANES	MG/L		0.04	0.05	0.06	0.03	0.02	0.07	0.04	0.01	0.02	0.04	0.09	0.03.
.NIQUEL	MG/L		0.01	0.01	0.01	0.01	ND	0.01	0.01	0.01	ND	0.01	ND	ND.
.CLORETO	MG/L		7.3	6.5	5.3	5.6	8.4	6.8	6.4	6.3	8.7	7.9	8.4	7.4.
.OLEO	MG/L		16.	24.	12.	14.	11.	16.	10.	9.	8.	14.	10.	22..
.SURFACT.	MG/L		LO.07	0.12	0.10	0.18	0.08	0.07	0.10	0.15	0.10	0.09	0.15	0.15.
.N.NITRATO	MG/L	10.0	0.528	0.468	0.352	0.439	0.461	0.439	0.303	0.629	0.839	0.899	1.06	0.665.
.N.NITRITO	MG/L	1.0	LO.003	LO.003	LO.003	LO.003	0.005	0.004	LO.003	LO.003	0.007	LO.003	LO.003	0.005.
.N.AMONIACAL	MG/L	0.5	0.20	LO.08	0.09	0.16	0.15	0.10	0.15	0.15	LO.08	LO.08	LO.08	LO.08.
.NI.KJELDA.	MG/L		0.966	0.534	0.469	0.743	0.451	0.602	0.798	0.434	0.081	0.811	0.301	0.132.
.RES.FIXO	MG/L		100.	100.	96.	98.	54.	110.	82.	55.	68.	83.	71.	88..
.RES.VOLAT.	MG/L		36.	43.	14.	34.	24.	41.	44.	30.	19.	31.	30.	62..
.COLORACAO			TURVA	TURVA	TURVA	TURVA	LIMPID	TURVA	TURVA	LIMPID	LIMPID	LIMPID	TURVA	TURVA.
.CHUVAS			SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	SIM	SIM	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, A JUSANTE DO CANAL DE FUGA DA USINA DE BARIRI ANO - 83

CODIGO DO LOCAL - 0CSP21TE2500 CLASSE - 2 BACIA - TIETE MEDIO-INFERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC 8468	JAN 06/10.40	FEV 03/11.10	MAR 03/10.30	ABR 07/10.50	MAI 04/10.15	JUN 08/11.00	JUL 04/11.00	AGO 08/11.30	SET 05/10.30	OUT 06/10.30	NOV 03/10.00	DEZ 01/10.50
TEMP.AGUA	GR.C		26.	24.	21.	25.	27.	20.	20.	20.	21.	22.	24.	24..
PH	UNID.PH		6.8	6.5	7.2	7.5	7.2	7.2	7.0	7.1	7.2	7.1	7.0	7.1.
OX.DISSOL	MG/L	5	7.1	7.6	6.3	8.3	8.8	10.0	8.8	8.9	7.9	8.3	7.8	7.9.
DBO(5,20)	MG/L	5	1.	1.	1.	2.	2.	2.	3.	2.	3.	3.	1.	1..
CO.F.NMP/100ML		1000	0.023	0.049	0.13	0.13	0.049	0.24	0.079	0.023	0.023	0.033	0.24	0.049.
N.TOTAL	MG/L		1.49	0.90	1.14	1.26	0.86	0.96	0.83	1.13	1.29	1.42	1.47	1.17.
FOSF.TOT.	MG/L		0.077	LO.022	LO.022	0.025	0.028	0.080	0.037	0.058	0.028	0.037	0.074	0.061.
RES.TOTAL	MG/L		136.	150.	159.	122.	84.	165.	118.	86.	90.	102.	103.	93..
TURBIDEZ	UNT		55.	7.2	64.	51.	30.	81.	54.	16.	6.0	28.	24.	23..
	I.Q.A.		78.	81.	71.	75.	79.	68.	75.	83.	84.	81.	76.	82..
BARIO	MG/L	1.0	0.07	0.07	0.09	0.05	0.02	0.04	0.05	LO.02	0.03	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO6	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.01	ND	ND	ND	ND.
CROMO	MG/L	0.05	ND	0.01	ND	ND	ND	0.01	ND	0.01	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002.
ZINCO	MG/L	5.0	0.01	0.01	0.01	0.01	LO.001	LO.001	LO.001	LO.001	0.01	LO.001	0.02	0.02.
FENOL	MG/L	0.001	LO.001	$0.0020	LO.001	LO.001	LO.001	LO.001	$0.0020	$0.0030	0.0010	0.0010	0.0010	LO.001.
INDICE DE TOXIDEZ.			1	0	1	1	1	1	0	0	1	1	1	1.
TEMP.AR	-GR.C		28.	24.	27.	26.	30.	23.	24.	26.	25.	25.	30.	28..
CO.T.NMP/100ML		5000	0.023	0.92	0.24	0.24	1.6	1.6	0.33	0.92	0.049	0.24	0.24	0.049.
FERRO	MG/L		3.82	5.30	4.26	3.34	2.13	7.28	3.02	0.88	0.39	0.95	1.25	1.25.
MANGANES	MG/L		0.04	0.05	0.04	0.03	0.03	0.07	0.03	0.01	0.02	0.03	0.02	0.03.
NIQUEL	MG/L		0.01	0.04	0.02	0.01	0.01	0.04	0.01	0.01	ND	ND	ND	0.02.
CLORETO	MG/L		7.6	5.9	5.3	5.5	7.0	6.8	5.2	5.8	7.8	8.3	8.1	7.5.
O.D.	MG/L		20.	15.	12.	12.	10.	14.	8.	13.	7.	10.	9.	19..
SURFACT.	MG/L		0.05	0.15	0.14	0.31	0.19	0.16	0.16	0.27	0.14	0.13	0.24	0.11.
N.NITRATO	MG/L	10.0	0.584	0.468	0.629	0.552	0.425	0.453	0.352	0.561	0.536	1.00	0.976	0.594.
N.NITRITO	MG/L	1.0	LO.003	LO.003	LO.003	LO.003	LO.003	LO.003	LO.003	0.004	0.014	0.007	0.004	0.005.
N.AMONIACAL	MG/L	0.5	0.15	LO.08	LO.08	0.26	0.13	LO.08	0.10	LO.08	LO.08	LO.08	0.12	0.09.
NI.KJELDA.	MG/L		0.888	0.433	0.505	0.704	0.431	0.505	0.470	0.562	0.738	0.416	0.490	0.572.
RES.FIXO	MG/L		96.	110.	141.	85.	65.	122.	76.	59.	70.	77.	74.	73..
RES.VOLAT.	MG/L		39.	40.	18.	37.	19.	43.	42.	27.	20.	25.	29.	20..
COLORACAO			TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	LIMPID	LIMPID	LIMPID	TURVA	TURVA.
CHUVAS			SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	SIM	SIM	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, A JUSANTE DO CANAL DE FUGA DA USINA DE IBITINGA ANO - 83

CODIGO DO LOCAL - OOSP21TE2000 CLASSE - 2 BACIA - TIETE MEDIO-INFERIOR

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS		PADROES DEC.8468	JAN 04/09.30	FEV 01/11.05	MAR 03/09.50	ABR 05/08.50	MAI 03/09.00	JUN 07/10.15	JUL 06/09.30	AGO 02/10.56	SET 01/09.20	OUT 04/09.58	NOV 03/09.45	DEZ. 05/09.36.
.TEMP.AGUA	GR.C		25.	26.	27.	25.	23.	19.	21.	18.	20.	21.	23.	24..
.PH	UNID.PH		6.4	6.7	6.5	6.5	6.7	6.9	6.7	6.8	6.2	6.8	6.5	6.5.
.OX.DISSOL	MG/L	5	7.2	6.9	7.2	7.0	7.5	8.6	7.8	8.5	7.8	8.6	7.8	8.0.
.DBO(5,20)	MG/L	5	1.	1.	1.	1.	2.	2.	1.	2.	1.	1.	1.	1..
.CO.F.NMP/100ML		1000	0.23	0.07	* 4.9	0.04	* 3.3	0.05	0.33	0.02	0.21	0.002	0.17	0.04.
.N.TOTAL	MG/L		0.64	0.38	0.76	0.42	0.33	0.89	0.93	1.00	0.39	0.85	0.82	0.84.
.FOSF.TOT.	MG/L		0.020	0.025	0.005	0.010	0.010	0.050	L0.005	0.070	0.010	0.010	0.025	0.035.
.RES.TOTAL	MG/L		152.	148.	124.	91.	96.	102.	48.	84.	167.	87.	143.	110..
.TURBIDEZ	UNT		51.	100.	90.	41.	38.	31.	45.	18.	5.0	11.	18.	18..
	I.Q.A.		71.	71.	59.	79.	65.	79.	73.	83.	76.	91.	76.	82..
.BARIO	MG/L	1.0	0.09	0.08	0.04	L0.02	0.02	L0.02	0.05	0.05	0.07	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.02	0.01	ND	ND	0.01	0.01	0.01	ND	ND	ND	ND.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.01	0.01	L0.001	L0.001	0.03	L0.001	0.01	L0.001	4.00	0.01	0.04	L0.003.
.FENOL	MG/L	0.001	L0.001	0.0010	0.0010	L0.001	L0.001	§0.0020	L0.001	§0.0020	L0.001	§0.0020	§0.0040	L0.001.
INDICE DE TOXIDEZ.			1	1	1	1	1	0	1	0	1	0	0	1 .
.TEMP.AR	-GR.C		26.	26.	32.	24.	22.	17.	19.	16.	19.	23.	24.	22..
.CO.T.NMP/100ML		5000	0.33	2.3	4.9	0.49	4.9	2.3	0.49	0.23	0.46	0.13	0.46	0.22.
.FERRO	MG/L		3.30	3.34	4.26	1.83	2.44	2.76	2.79	1.64	32.7	0.45	1.40	1.30.
.MANGANES	MG/L		0.03	0.04	0.04	0.05	0.03	0.03	0.04	0.02	0.25	0.01	0.03	0.02.
.NIQUEL	MG/L		0.02	ND	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND.
.CLORETO	MG/L		6.5	7.0	4.0	4.0	5.0	6.0	4.5	4.0	4.0	9.0	6.5	7.5.
.D.B.O	MG/L		14.	14.	9.	6.	10.	9.	8.	7.	7.	9.	8.	9..
.SURFACT.	MG/L		L0.04	0.10	L0.04	L0.04	L0.04	0.09	L0.04	L0.04	L0.04	0.04	0.04	L0.04.
.N.NITRATO	MG/L	10.0	0.29	0.17	0.41	0.32	0.29	0.46	0.46	0.34	0.04	0.52	0.35	0.37.
.N.NITRITO	MG/L	1.0	L0.01	0.01	L0.01	L0.01	L0.01	0.01	L0.01	L0.01	0.01	0.01	L0.01	L0.01.
.N.AMONIACAL	MG/L	0.5	0.04	L0.01	0.09	0.01	L0.01	0.13	0.03	* 0.59	0.04	0.06	0.16	0.06.
.NITROGENIO	MG/L		0.34	0.20	0.34	0.09	0.03	0.42	0.46	0.65	0.34	0.32	0.46	0.46.
.RES.FIXO	MG/L		87.	89.	80.	54.	67.	70.	28.	53.	93.	59.	102.	58..
.RES.VOLAT.	MG/L		66.	59.	44.	37.	29.	32.	20.	31.	74.	28.	41.	52..
.COLORACAO			MARROM	MARROM	LIMPID	LIMPID	LIMPID	AMAREL	MARROM	AMAREL	LIMPID	VERDE	LIMPID	VERDE.
.CHUVAS			NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, PONTE NA RODOVIA LINS-JOSE BONIFACIO ANO - 83

CODIGO DO LOCAL - 00SP22TE2700 CLASSE - 2 BACIA - TIETE BAIXO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/15.35	FEV 01/15.50	MAR 01/15.20	ABR 05/15.50	MAI 02/17.00	JUN 06/15.45	JUL 05/16.30	AGO 03/16.25	SET 01/16.05	OUT 04/15.20	NOV 08/15.55	DEZ. 06/17.10.
TEMP.AGUA	GR.C		28.	26.	27.	25.	25.	21.	22.	20.	21.	20.	25.	26..
PH	UNID.PH		7.0	7.4	7.0	7.5	7.6	7.3	7.1	7.3	7.0	7.0	7.5	7.6.
OX.DISSOL	MG/L	5	8.3	5.7	6.2	7.5	8.5	8.1	9.4	9.1	9.5	9.5	8.5	7.8.
DBO(5,20)	MG/L	5	1.	L1.	2.	1.	2.	1.	2.	1.	2.	1.	1.	1..
CO.F.NMP/100ML		1000	0.013	0.35	0.023	0.033	0.023	0.023	0.005	L0.002	0.013	0.92	0.023	0.023.
N.TOTAL	MG/L		0.70	0.76	1.02	0.70	0.64	0.65	1.09	0.93	0.68	0.83	0.79	0.94.
FOSF.TOT.	MG/L		L0.022	0.080	L0.022	0.052	0.064	0.025	L0.022	0.087	0.056	0.025	L0.022	L0.022.
RES.TOTAL	MG/L		71.	334.	107.	112.	99.	98.	83.	106.	97.	74.	64.	121..
TURBIDEZ	UNT		5.5	23.	42.	36.	27.	26.	37.	48.	43.	11.	5.8	8.3.
	I.Q.A.		86.	70.	79.	81.	82.	83.	84.	86.	81.	73.	86.	86..
BARIO	MG/L	1.0	0.06	0.05	0.07	0.07	L0.02	0.04	0.09	0.03	0.07	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMOO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.01	0.01	0.01	0.01	ND	0.01	0.01	0.01	ND	ND	ND.
CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0004	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0004.
ZINCO	MG/L	5.0	L0.001	0.01	0.01	0.02	0.01	L0.001	0.01	0.03	0.01	L0.001	L0.003	0.07.
FENOL	MG/L	0.001	L0.001	L0.001	$0.0040	$0.0070	$0.0040	0.0010	0.0010	$0.0020	0.0010	$0.0040	L0.001	0.0010.
INDICE DE TOXIDEZ.			1	1	0	0	0	1	1	0	1	0	1	1.
TEMP.AR	-GR.C		36.	24.	34.	30.	32.	17.	29.	20.	24.	28.	35.	24..
CO.T.NMP/100ML		>000	0.023	0.92	0.023	0.35	0.033	0.54	0.033	0.013	0.033	0.92	0.049	0.24.
FERRO	MG/L		0.29	1.40	2.96	2.36	2.22	1.80	2.45	2.78	2.85	0.67	0.51	0.79.
MANGANES	MG/L		0.02	0.02	0.03	0.02	0.04	0.02	0.01	0.02	0.09	L0.009	L0.009	0.01.
NIQUEL	MG/L		ND	0.01	0.02	ND	0.01	ND	ND	0.01	0.01	ND	ND	ND.
CLORETO	MG/L		5.6	5.2	5.6	4.0	5.7	5.0	6.3	5.7	3.8	4.8	5.3	6.0.
SULFATO	MG/L		17.	10.	14.	10.	12.	9.	13.	7.	5.	12.	7.	23..
SURFACT.	MG/L		L0.07	L0.07	L0.07	L0.07	0.10	L0.07	0.11	L0.07	0.11	0.09	0.11	L0.07.
N.NITRATO	MG/L	10.0	0.115	0.358	0.358	0.321	0.233	0.321	0.309	0.475	0.358	0.521	0.528	0.468.
N.NITRITO	MG/L	1.0	L0.003	L0.003	L0.003	L0.003	0.004	L0.003	L0.003	L0.003	L0.003	0.004	0.004	0.005.
N.AMONIACAL	MG/L	0.5	L0.08	L0.08	L0.08	0.20	0.12	L0.08	0.09	0.10	0.12	L0.08	0.09	L0.08.
NITROGENIO	MG/L		0.562	0.398	0.663	0.371	0.404	0.322	0.782	0.453	0.318	0.301	0.261	0.469.
RES.FIXO	MG/L		26.	78.	73.	72.	70.	46.	66.	71.	70.	44.	45.	44..
RES.VOLAT.	MG/L		45.	256.	34.	40.	29.	52.	17.	35.	27.	30.	19.	77..
COLORACAO			LIMPID	TURVA	TURVA	LIMPID	TURVA	TURVA	LIMPID	LIMPID	LIMPID	LIMPID	LIMPID	LIMPID.
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIETE, PONTE NA RODOVIA PEREIRA BARRETO-ANDRADINA ANO - 83

CODIGO DO LOCAL - 06SP22TE2900 CLASSE - 2 BACIA - TIETE BAIXO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/09.40	FEV 01/09.45	MAR 01/09.45	ABR 05/10.00	MAI 02/12.00	JUN 06/09.50	JUL 05/09.40	AGO 03/09.20	SET 01/09.10	OUT 04/09.00	NOV 08/09.20	DEZ. 06/10.00.
.TEMP.AGUA	GR.C		28.	26.	28.	26.	30.	22.	22.	20.	19.	20.	26.	27..
.PH	UNID.PH		6.7	7.1	7.2	7.3	7.2	7.2	7.1	7.3	7.2	7.2	7.3	7.5.
.OX.DISSOL	MG/L	5	8.7	6.3	7.4	8.6	9.1	8.2	11.0	10.5	9.9	10.0	8.6	9.2.
.DBO(5,20)	MG/L	5	1.	L1.	3.	1.	1.	2.	1.	1.	2.	1.	1.	1..
.CO.F.NMP/100ML		1000	0.045	0.033	0.079	0.049	0.13	0.49	0.033	0.049	0.023	0.35	0.023	0.049.
.N.TOTAL	MG/L		0.53	0.50	0.93	0.99	0.54	0.65	0.75	0.89	0.56	0.73	0.84	0.90.
.FOSF.TOT.	MG/L		L0.022	0.031	0.037	0.037	0.031	0.046	L0.022	0.068	0.080	L0.022	L0.022	L0.022.
.RES.TOTAL	MG/L		76.	146.	101.	98.	98.	113.	76.	101.	90.	83.	67.	140..
.TOXIDEZ	UNT		7.5	17.	28.	28.	27.	39.	27.	32.	41.	26.	17.	13..
	I.Q.A.		83.	82.	78.	81.	77.	73.	80.	79.	80.	75.	84.	81..
.BARIO	MG/L	1.0	0.08	0.07	0.09	0.07	L0.02	0.08	0.11	0.05	0.11	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	ND	ND	0.01	ND	ND	0.01	0.01	0.01	0.01	0.01	ND	ND.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0003.
.ZINCO	MG/L	5.0	L0.001	0.01	0.01	0.02	0.01	L0.001	0.01	0.14	0.01	L0.001	L0.003	0.01.
.FENOL	MG/L	0.001	L0.001	0.0010	§0.0020	§0.0030	§0.0020	0.0010	L0.001	§0.0040	§0.0030	L0.001	L0.001	0.0010.
.INDICE DE TOXIDEZ.			1	1	0	0	0	1	1	0	0	1	1	1.
.TEMP.AR	-GR.C		31.	26.	32.	28.	35.	19.	26.	18.	17.	25.	31.	31..
.CO.T.NMP/100ML		5000	0.079	1.6	0.079	1.6	0.13	3.5	0.13	0.049	0.049	0.54	0.54	0.54.
.FERRO	MG/L		0.72	1.16	2.58	2.07	1.96	3.55	1.90	1.99	2.63	1.60	1.00	0.73.
.MANGANES	MG/L		0.04	0.02	0.05	0.05	0.03	0.04	0.02	0.02	0.02	0.01	L0.009	0.03.
.NIQUEL	MG/L		ND	ND	0.01	0.01	ND	0.01	ND	ND	0.01	ND	0.01	ND.
.CLORETO	MG/L		5.6	4.5	4.6	3.6	7.5	4.7	5.4	5.8	5.2	3.9	6.0	4.8.
.DUREZA	MG/L		15.	9.	13.	13.	11.	10.	8.	7.	5.	13.	11.	11..
.SURFACT.	MG/L		L0.07	L0.07	0.10	L0.07	0.07	L0.07	0.11	0.13	0.10	0.16	0.19	L0.07.
.N.NITRATO	MG/L	10.0	0.073	0.145	0.267	0.262	0.206	0.217	0.279	0.439	0.309	0.333	0.327	0.371.
.N.NITRITO	MG/L	1.0	L0.003	0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	0.005.
.N.AMONIACAL	MG/L	0.5	L0.08	L0.08	L0.08	0.26	L0.08	L0.08	0.18	0.09	L0.08	L0.08	0.12	L0.08.
.NITROGENIO	MG/L		0.450	0.347	0.663	0.723	0.331	0.433	0.472	0.452	0.251	0.389	0.509	0.524.
.RES.FIXO	MG/L		37.	67.	70.	56.	69.	65.	65.	69.	75.	54.	53.	47..
.RES.VOLAT.	MG/L		39.	79.	31.	42.	29.	48.	11.	32.	15.	29.	14.	93..
.COLORACAO			LIMPID	TURVA	TURVA	LIMPID	TURVA	TURVA	LIMPID	LIMPID	LIMPID	LIMPID	LIMPID	LIMPID.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
.VAZAO .MEDIA .DIARIA	M3/S		2340.	3005.	1934.	945.	2720.	5764.	1380.	965.	965.	1640.	2128.	875..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO DO PEIXE, PONTE NA RODOVIA MARILIA-ASSIS ANO - 83

CODIGO DO LOCAL - 06SP31PX2032 CLASSE - 2 BACIA - PEIXE

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC84c8	JAN 06/14.40	FEV 03/15.15	MAR 03/15.30	ABR 07/15.30	MAI 04/17.35	JUN 08/08.40	JUL 04/08.00	AGO 08/06.45	SET 05/07.10	OUT 06/17.40	NOV 03/16.40	DEZ 01/08.15
TEMP.AGUA	GR.C		26.	23.	26.	25.	25.	16.	16.	13.	20.	23.	26.	25..
PH	UNID.PH		7.3	7.5	7.6	7.6	7.5	7.2	7.5	7.7	7.2	7.6	7.5	7.0.
OX.DISSOL	MG/L	5	6.5	7.5	7.3	8.0	8.7	10.2	9.5	10.6	9.6	7.2	9.0	8.6.
DBO(5,20)	MG/L	5	4.	2.	2.	2.	4.	2.	3.	L1.	* 9.	* 14.	2.	3..
CO.F.NMP/100ML		1000	* 7.9	* 7.9	* 13.	* 16.	0.79	* 4.9	* 2.4	0.33	* 3.3	* 4.9	* 3.5	* 1.3.
N.TOTAL	MG/L		2.43	1.33	1.82	2.01	1.34	2.29	1.15	1.75	2.82	2.21	1.00	1.18.
FOSF.TOT.	MG/L		0.265	0.034	LO.022	0.043	0.040	LO.022	L0.022	0.096	0.037	0.186	0.074	0.037.
RES.TOTAL	MG/L		770.	312.	503.	488.	153.	634.	247.	227.	557.	628.	264.	238..
TURBIDEZ	UNT		64.	77.	160.	83.	31.	200.	46.	34.	160.	230.	81.	53..
	I.Q.A.		52.	57.	46.	52.	69.	49.	64.	73.	46.	42.	59.	65..
BARIO	MG/L	1.0	0.37	0.22	0.22	0.14	0.12	0.36	0.20	0.14	0.25	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	0.01	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.05	0.01	0.04	0.02	0.01	0.02	ND	ND	0.03	0.03	0.01	0.01.
CROMO	MG/L	0.05	0.04	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.03	ND	0.01.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002.
ZINCO	MG/L	5.0	0.05	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.02	0.04	0.02.
FENOL	MG/L	0.001	0.0010	LO.001	LO.001	LO.001	LO.001	LO.001	0.0010	0.0010	$0.0030	LO.001	$0.0020	LO.001.
INDICE DE TOXIDEZ.			1	1	1	1	1	1	1	1	0	1	0	1 .
TEMP.AR	-GR.C		31.	24.	30.	29.	25.	18.	17.	10.	18.	25.	28.	28..
CO.T.NMP/100ML		5000	* 35.	* 54.	* 92.	* 16.	* 5.4	* 24.	4.9	* 5.4	* 92.	* 24.	* 24.	* 92..
FERRO	MG/L		30.4	7.64	14.2	3.20	4.60	20.8	4.94	3.13	14.3	21.6	3.17	4.86.
MANGANES	MG/L		0.50	0.20	0.40	0.50	0.14	0.55	0.15	0.08	0.35	0.40	0.11	0.15.
NIQUEL	MG/L		0.10	0.03	0.10	ND	0.01	0.08	0.01	0.03	0.06	0.11	0.01	0.02.
CLORETO	MG/L		3.6	3.0	3.2	4.1	2.0	3.1	4.4	2.2	5.5	3.8	2.5	2.7.
[illegible]	MG/L		57.	25.	38.	34.	15.	41.	17.	10.	60.	47.	11.	22..
SURFACT.	MG/L		LO.07	0.15	LO.07	LO.07	0.09	LO.07	0.08	0.12	LO.07	LO.07	0.10	0.09.
N.NITRATO	MG/L	10.0	0.239	0.425	0.333	0.425	0.656	0.358	0.483	1.23	0.732	0.398	0.245	0.684.
N.NITRITO	MG/L	1.0	0.015	0.018	0.018	0.018	0.024	0.009	0.015	0.016	0.024	0.014	0.016	0.019.
N.AMONIACAL	MG/L	0.5	0.12	LO.08	LO.08	0.20	0.21	0.33	LO.08	LO.08	0.20	0.12	0.20	0.12.
NI.OBJETO.	MG/L		2.18	0.891	1.47	1.57	0.664	1.92	0.656	0.505	2.06	1.80	0.742	0.473.
RES.FIXO	MG/L		670.	252.	456.	420.	128.	534.	196.	191.	482.	531.	216.	215..
RES.VOLAT.	MG/L		100.	60.	47.	68.	25.	100.	51.	36.	75.	97.	48.	23..
COLORACAO			TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	VERMEL	TURVA	TURVA	TURVA.
CHUVAS			SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO DO PEIXE, PONTE NA RODOVIA EMILIANOPOLIS-FLORA RICA ANO - 83

CODIGO DO LOCAL - 00SP31PX2300 CLASSE - 2 BACIA - PEIXE

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 04/09.10	FEV 01/09.25	MAR 01/09.20	ABR 05/09.05	MAI 02/09.10	JUN 06/10.00	JUL 05/09.30	AGO 03/09.30	SET 01/09.30	OUT 04/08.20	NOV 08/08.50	DEZ 06/10.00
TEMP.AGUA	GR.C		26.	26.	23.	25.	25.	20.	24.	18.	21.	24.	26.	27..
PH	UNID.PH		7.3	6.9	7.2	7.2	7.2	7.2	7.5	7.6	7.4	7.2	7.1	7.6.
OX.DISSOL	MG/L	5	7.0	7.1	7.4	7.8	8.4	9.7	9.6	10.2	9.4	8.4	8.2	8.4.
DBO(5,20)	MG/L	5	5.	5.	3.	1.	1.	5.	1.	3.	2.	2.	3.	1..
CO.F.NMP/100ML		1000	0.5	* 3.3	0.23	* 5.4	0.23	* 3.3	* 16.	* 5.4	0.92	0.92	0.79	0.49.
N.TOTAL	MG/L		1.68	2.26	2.47	1.66	1.59	2.07	1.51	1.17	1.46	1.33	2.27	1.58.
FOSF.TOT.	MG/L		0.064	0.170	0.234	LO.022	LO.022	LO.022	0.043	0.106	0.096	0.103	0.064	0.080.
RES.TOTAL	MG/L		538.	817.	741.	218.	222.	587.	188.	167.	151.	222.	370.	266..
TURBIDEZ	UNT		180.	200.	230.	57.	66.	175.	58.	39.	34.	61.	160.	56..
	IQA.		53.	47.	55.	62.	71.	48.	57.	62.	69.	67.	56.	69..
BARIO	MG/L	1.0	0.30	0.22	0.29	0.07	0.10	0.28	0.13	0.20	0.15	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	0.01	0.01	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.03	0.07	0.04	0.01	0.02	0.03	0.01	0.01	ND	0.02	0.01	0.01.
CROMO	MG/L	0.05	0.03	0.04	0.03	0.01	0.01	0.03	ND	0.01	ND	0.01	0.02	0.01.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.02	0.02	0.04	0.03	0.02	0.55	0.02	0.01	0.01	LO.001	LO.003	0.02.
FENOL	MG/L	0.001	LO.001	LO.001	§0.0030	§0.0080	§0.0040	§0.0020	LO.001	§0.0020	0.0010	§0.0020	LO.001	0.0010.
INDICE DE TOXIDEZ.			1	1	0	0	0	0	1	0	1	0	1	1.
TEMP.AR	-GR.C		27.	27.	26.	27.	27.	22.	27.	20.	18.	24.	29.	31..
CO.T.NMP/100ML		5000	3.3	4.8	0.33	* 9.2	* 9.2	* 54.	* 16.	* 16.	0.92	0.92	* 5.4	3.5.
FERRO	MG/L		39.9	19.5	32.5	4.82	7.04	21.0	7.16	3.17	3.24	5.60	13.4	4.94.
MANGANES	MG/L		0.65	0.51	0.80	0.18	0.22	0.02	0.28	0.11	0.03	0.19	0.30	0.15.
NIQUEL	MG/L		0.07	0.12	0.11	0.02	0.04	0.08	0.01	0.01	0.01	0.02	0.03	0.01.
CLORETO	MG/L		2.6	2.7	2.7	2.4	4.6	3.1	3.1	2.6	2.4	2.3	3.0	2.5.
[illegible]	MG/L		45.	56.	55.	18.	26.	41.	14.	8.	6.	17.	39.	18..
SURFACT.	MG/L		LO.07	LO.07	LO.07	LO.07	0.16	0.12	0.16	0.07	0.16	0.09	0.12	0.08.
N.NITRATO	MG/L	10.0	0.490	0.498	0.418	0.974	0.806	0.453	0.638	0.703	0.949	0.656	0.602	0.784.
N.NITRITO	MG/L	1.0	0.018	0.021	0.010	0.015	0.014	0.009	0.013	0.010	0.013	0.010	0.012	0.008.
N.AMONIAC	MG/L	0.5	LO.08	0.22	LO.08	0.21	0.12	LO.08	0.18	LO.08	LO.08	LO.08	0.15	0.12.
NI.KJELD.	MG/L		1.47	1.74	2.04	0.773	0.768	1.61	0.861	0.459	0.502	0.659	1.66	0.790.
RES.FIXO	MG/L		446.	500.	625.	146.	184.	466.	173.	129.	123.	169.	320.	158..
RES.VOLAT.	MG/L		89.	317.	116.	72.	38.	121.	15.	38.	28.	53.	50.	108..
COLORACAO			TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA.
CHUVAS			NAO	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO AGUAPEI, PONTE NA RODOVIA PARAPUA-PENAPOLIS ANO - 83

CODIGO DO LOCAL - 005F32AG2100 CLASSE - 2 BACIA - AGUAPEI

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 06/11.45	FEV 03/18.10	MAR 03/13.25	ABR 07/12.15	MAI 04/11.50	JUN 08/14.45	JUL 04/14.40	AGO 08/15.15	SET 05/15.20	OUT 06/11.40	NOV 03/11.10	DEZ. 01/15.30.
.TEMP.AGUA	GR.C		28.	24.	28.	23.	25.	19.	21.	27.	26.	24.	25.	27..
.PH	UNID.PH		7.2	7.2	7.3	7.0	7.3	7.1	7.3	7.6	7.3	7.6	7.0	7.2.
.OX.DISSOL	MG/L	5	6.8	6.0	6.4	8.2	7.7	8.2	9.5	10.7	9.9	8.5	6.2	6.9.
.DBO(5,20)	MG/L	5	2.	1.	1.	2.	1.	1.	1.	L 1.	3.	2.	1.	1..
.CO.F.NMP/100ML		1000	0.79	C.079	* 5.4	* 9.2	0.13	* 3.5	C.24	0.023	0.033	C.13	* 2.4	0.33.
.N.TOTAL	MG/L		0.84	1.02	0.94	1.21	0.90	1.32	0.94	1.56	1.08	0.96	1.79	0.86.
.FOSF.TOT.	MG/L		0.145	L0.022	0.052	0.031	L0.022	0.117	L0.022	0.093	0.090	0.031	0.127	0.074.
.RES.TOTAL	MG/L		141.	340.	154.	196.	106.	391.	136.	123.	140.	167.	287.	166..
.TURBIDEZ	UNT		58.	220.	67.	62.	34.	230.	29.	26.	34.	43.	210.	52..
		I.Q.A.	67.	61.	61.	59.	78.	52.	75.	78.	77.	75.	53.	71..
.BARIO	MG/L	1.0	0.19	0.19	0.16	0.07	0.06	0.14	0.09	0.10	0.10	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO6	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.03	0.01	ND	ND	0.03	0.01	0.01	0.01	ND	0.01	ND.
.CROMO	MG/L	0.05	0.02	0.02	0.01	ND	ND	0.02	0.01	0.01	ND	C.01	0.01	0.01.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.01	0.02	0.02	L0.001	L0.001	0.03	0.01	L0.001	0.05	L0.001	0.03	0.03.
.FENOL	MG/L	0.001	$0.0020	C.0016	$0.0020	L0.001	0.0010	L0.001	$0.0030	$0.0020	$0.0020	$0.0030	0.0010	L0.001.
.INDICE DE TOXIDEZ.			0	1	0	1	1	1	0	0	0	0	1	1.
.TEMP.AR	-GR.C		28.	22.	33.	22.	29.	24.	26.	35.	31.	25.	31.	28..
.CO.T.NMP/100ML		5000	1.3	1.6	* 16.	* 9.2	* 5.4	* 9.2	0.49	0.92	0.54	1.3	* 5.4	0.79.
.FERRO	MG/L		3.48	10.2	3.73	4.05	2.02	16.0	2.00	2.30	2.40	3.20	10.8	3.03.
.MANGANES	MG/L		0.07	0.09	0.07	0.14	0.04	0.11	0.05	0.05	0.06	0.11	0.18	0.29.
.NIQUEL	MG/L		0.05	0.08	0.02	0.01	0.01	0.06	0.02	0.01	0.01	0.03	0.03	0.01.
.CLORETO	MG/L		2.2	2.1	2.6	2.4	2.9	2.5	3.4	2.1	4.2	2.7	2.4	2.4.
.OD	MG/L		26.	23.	17.	16.	10.	28.	8.	11.	13.	9.	22.	10..
.SURFACT.	MG/L		L0.07	L0.07	0.11	0.12	0.07	L0.07	C.11	L0.07	0.07	L0.07	L0.07	0.08.
.N.NITRATO	MG/L	10.0	0.155	0.190	0.170	0.629	0.233	0.185	0.449	0.949	0.722	0.513	0.439	0.358.
.N.NITRITO	MG/L	1.0	L0.003	L0.003	0.005	0.007	0.004	0.003	0.005	C.007	0.007	0.005	0.007	0.004.
.N.AMONIACAL	MG/L	0.5	0.10	L0.08	L0.08	0.15	0.33	0.09	L0.08	L0.08	L0.08	L0.08	0.48	0.09.
.NITROGENIO	MG/L		0.663	0.830	0.761	0.575	0.665	1.13	0.490	0.602	0.353	0.444	1.34	0.497.
.RES.FIXO	MG/L		125.	265.	140.	156.	86.	320.	103.	98.	111.	135.	229.	126..
.RES.VOLAT.	MG/L		16.	75.	14.	40.	20.	71.	33.	25.	29.	32.	58.	40..
.COLORACAO			TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	VERMEL	TURVA.
.CHUVAS			SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO AGUAPEI, PONTE NA RODOVIA JUNQUEIROPOLIS-CIDADE D'OESTE ANO - 83

CODIGO DO LOCAL - CCSP32AG2300 CLASSE - 2 BACIA - AGUAPEI

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (*) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/07.40	FEV 01/07.20	MAR 01/07.45	ABR 05/07.30	MAI 02/07.10	JUN 06/07.30	JUL 05/07.30	AGO 03/07.45	SET 01/08.00	OUT 04/06.50	NOV 08/07.10	DEZ 06/07.10
TEMP.AGUA	GR.C		26.	26.	23.	26.	24.	20.	20.	19.	20.	24.	26.	27..
PH	UNID.PH		7.1	6.8	7.1	7.4	7.2	7.1	7.5	7.5	7.5	7.1	6.7	7.4.
OX.DISSOL	MG/L	5	5.4	6.0	6.7	7.4	9.3	8.0	11.4	9.7	9.3	7.8	6.5	7.4.
DBO(5,20)	MG/L	5	2.	2.	1.	1.	2.	1.	2.	1.	1.	1.	4.	1..
CO.F.NMP/100ML		1000	0.08	0.33	0.033	0.033	0.049	* 2.4	* 9.2	* 2.4	0.13	0.079	0.33	0.33.
N.TOTAL	MG/L		0.88	0.88	1.15	1.01	1.00	1.18	1.06	1.06	1.22	0.87	1.43	1.26.
FOSF.TOT.	MG/L		0.080	0.068	0.061	0.034	L0.022	0.120	L0.022	0.087	0.077	0.110	0.134	0.083.
RES.TOTAL	MG/L		207.	217.	216.	181.	251.	339.	138.	148.	130.	158.	620.	264..
TURBIDEZ	UNT		130.	140.	68.	58.	145.	215.	41.	34.	29.	41.	260.	68..
		I.Q.A.	66.	58.	75.	77.	64.	54.	59.	67.	77.	77.	54.	70..
BARIO	MG/L													
CADMIO	MG/L													
CHUMBO	MG/L													
COBRE	MG/L													
CROMO	MG/L													
ESTANHO	MG/L													
MERCURIO	MG/L													
ZINCO	MG/L													
FENOL	MG/L													
INDICE DE TOXIDEZ.														
TEMP.AR	-GR.C		26.	25.	25.	25.	24.	20.	16.	9.	18.	23.	26.	26..
CO.T.NMP/100ML		5000	0.33	* 5.4	0.049	0.54	0.54	* 5.4	* 9.2	2.4	0.24	0.079	0.49	2.4.
FERRO	MG/L													
MANGANES	MG/L													
NIQUEL	MG/L													
CLORETO	MG/L		2.7	2.4	2.7	2.2	6.8	2.8	2.8	2.5	2.3	2.3	3.4	1.9.
COR	MG/L		32.	20.	21.	13.	21.	24.	10.	6.	6.	18.	32.	22..
SURFACT.	MG/L													
N.NITRATO	MG/L	10.0	0.160	0.206	0.358	0.453	0.256	0.145	0.411	0.446	0.806	0.333	0.279	0.544.
N.NITRITO	MG/L	1.0	L0.063	0.006	0.008	0.005	0.005	0.005	0.004	0.007	0.005	0.007	0.004	0.006.
N.AMONIACAL	MG/L	0.5	L0.08	L0.08	L0.08	0.15	0.18	L0.08	0.16	0.16	0.21	L0.08	0.15	L0.08.
N.KJELD.	MG/L		0.684	0.663	0.784	0.548	0.743	1.03	0.642	0.604	0.407	0.532	1.15	0.706.
RES.FIXO	MG/L		134.	182.	169.	132.	204.	266.	123.	104.	110.	113.	365.	147..
RES.VOLAT.	MG/L		73.	35.	47.	49.	47.	73.	15.	44.	20.	45.	255.	117..
COLORACAO			TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	LIMPID	TURVA	TURVA	TURVA	VERMEL	TURVA.
CHUVAS			NAO	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TIBIRICA, PONTE NA RODOVIA QUEIROZ-MACUCOS ANO - 83

CODIGO DO LOCAL - 06SP32T82002 CLASSE - 2 BACIA - AGUAPEI

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNIDADE	PADROES DEC8468	JAN 06/09.55	FEV 03/10.40	MAR 03/10.30	ABR 07/09.15	MAI 04/09.40	JUN 13/11.00	JUL 04/13.15	AGO 08/13.30	SET 05/13.00	OUT 06/09.25	NOV 03/09.30	DEZ 01/13.30
TEMP.AGUA	GR.C		25.	23.	26.	22.	25.	20.	20.	19.	26.	24.	25.	26..
PH	UNIDPH		7.0	7.1	7.2	7.5	7.4	7.2	7.6	7.5	7.2	7.6	7.1	7.1.
OX.DISSOL	MG/L	5	5.3	6.5	6.2	7.6	8.7	8.9	9.6	10.6	9.6	7.8	8.3	8.3.
DBO(5,20)	MG/L	5	3.	1.	3.	3.	2.	1.	2.	1.	2.	3.	1.	2..
CO.F.NMP/100ML		1000	0.23	0.049	* 7.9	0.79	0.54	0.49	0.79	0.079	0.033	* 2.4	0.33	0.49.
N.TOTAL	MG/L		1.17	1.08	0.94	1.64	1.26	0.90	1.08	1.83	0.82	1.46	1.38	1.67.
FOS.TOT.	MG/L		0.116	LO.022	0.055	0.068	0.049	0.100	LO.022	0.083	0.049	0.025	0.055	LO.022.
RES.TOTAL	MG/L		442.	412.	240.	273.	145.	173.	162.	137.	160.	181.	220.	160..
TURBIDEZ	UNT		83.	235.	150.	88.	44.	66.	32.	27.	28.	49.	150.	51..
	IQA		61.	62.	49.	62.	70.	70.	71.	77.	79.	64.	62.	70..
BARIO	MG/L	1.0	0.25	0.19	0.22	0.07	0.08	0.24	0.18	0.12	0.07	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.62	0.04	0.04	0.01	0.01	0.04	ND	ND	ND	0.01	0.01	ND.
CROMO	MG/L	0.05	0.01	0.02	0.01	0.01	ND	0.03	ND	0.01	0.01	0.01	0.01	0.01.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002.
ZINCO	MG/L	5.0	0.03	0.02	0.03	0.01	LO.001	0.01	0.01	0.02	LO.001	0.07	0.03.
FENOL	MG/L	0.001	$0.0030	LO.001	LO.001	LO.001	0.0010	$0.0020	$0.0020	$0.0030	$0.0030	$0.0020	0.0010	LO.001.
INDICE DE TOXIDEZ.			0	1	1	1	1	0	0	0	0	0	1	1 .
TEMP.AR	GR.C		28.	22.	28.	23.	27.	22.	25.	28.	28.	25.	23.	28..
CO.T.NMP/100ML		5000	2.8	1.6	* 24.	3.5	1.6	3.5	2.4	2.4	1.6	* 5.4	3.5	2.4.
FERRO	MG/L		14.5	12.4	7.56	7.85	3.06	4.60	2.27	2.10	1.60	3.49	5.55	3.03.
MANGANES	MG/L		0.13	0.10	0.09	0.16	0.10	0.06	0.06	0.05	0.07	0.09	0.08	0.10.
NIQUEL	MG/L		0.64	0.05	0.06	0.01	0.01	0.10	0.01	0.01	0.01	0.01	0.01	0.01.
CLORETO	MG/L		2.7	3.1	3.0	2.3	2.1	3.3	3.9	2.4	7.1	3.7	1.1	2.5.
[illegible]	MG/L		28.	24.	19.	17.	14.	14.	10.	9.	10.	8.	18.	21..
SURFACT.	MG/L		LO.07	LO.07	LO.07	LO.07	LO.07	0.46	0.10	LO.07	LO.07	0.11	0.08	0.08.
N.NITRATO	MG/L	10.0	0.166	0.206	0.233	0.703	0.722	0.468	0.594	1.33	0.674	0.923	0.665	1.00.
N.NITRITO	MG/L	1.0	LO.003	LO.003	0.005	0.011	0.007	0.003	0.005	0.008	0.008	0.010	0.004	0.007.
N.AMONIACAL	MG/L	0.5	0.05	LO.08	LO.08	0.26	0.25	LO.08	0.11	LO.08	LO.08	LO.08	LO.08	0.16.
NI.ALBUD.	MG/L		1.06	0.866	0.706	0.930	0.534	0.433	0.480	0.487	0.140	0.522	0.715	0.662.
RES.FIXO	MG/L		369.	338.	220.	223.	126.	147.	108.	109.	127.	156.	178.	149..
RES.VOLAT.	MG/L		73.	74.	20.	50.	19.	26.	54.	28.	33.	25.	42.	11..
COLORACAO			TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA.
CHUVAS			SIM	SIM	SIM	SIM	NAO	NAO	NAO	NAO	NAO	NAO	SIM	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO SANTO ANASTACIO, PONTE NA ROD. PRES. VENCESLAU-MARABA PTA ANO - 83

CODIGO DO LOCAL - CCSP41SA2300 CLASSE - 2 BACIA - SANTO ANASTACIO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES CEC8468	JAN 04/10.55	FEV 01/11.50	MAR 01/11.30	ABR 05/11.15	MAI 02/11.20	JUN 13/13.30	JUL 05/12.30	AGO 03/11.30	SET 01/11.30	OUT 04/11.15	NOV 08/10.50	DEZ 06/12.00
TEMP.AGUA	GR.C		28.	26.	24.	27.	25.	22.	25.	17.	22.	24.	27.	28.
PH	UNID.PH		7.1	6.6	7.0	7.1	7.1	6.9	7.2	7.2	7.2	7.1	6.9	7.1
OX.DISSOL	MG/L	5	7.5	6.3	6.4	7.6	9.0	7.7	10.2	10.6	9.0	8.1	7.4	7.2
DBO(5,20)	MG/L	5	5. *	13. *	9. *	8.	3. *	6.	5.	4. *	9. *	7. *	11. *	9.
CO.F.NMP/100ML		1000	* 2.3 *	35.	0.79 *	5.4 *	2.4 *	9.2 *	1.3 *	2.4 *	9.2 *	G24. *	54. *	16.
N.TOTAL	MG/L		1.99	3.36	3.18	3.02	2.09	3.35	2.06	2.07	2.17	2.57	2.85	2.95
FOSF.TOT.	MG/L		0.060	0.148	0.037	0.145	L0.022	L0.022	0.083	0.127	0.238	0.234	0.096	L0.022
RES.TOTAL	MG/L		356.	1140.	490.	593.	359.	1151.	196.	185.	189.	334.	299.	290.
TURBIDEZ	UNT		136.	205.	200.	350.	96.	180.	70.	55.	45.	62.	65.	64.
	I.Q.A.		51.	37.	48.	45.	58.	44.	60.	61.	55.	50.	46.	51.
BARIO	MG/L	1.0	0.22	0.27	0.29	0.13	0.10	0.26	0.17	0.28	0.23	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHUMBO	MG/L	0.1	ND	0.02	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.04	0.13	0.06	0.03	0.02	0.02	0.01	0.01	0.01	0.01	ND	0.02
CROMO	MG/L	0.05	0.02	$ 0.08	0.04	0.03	0.02	0.01	0.01	0.01	ND	0.02	ND	0.01
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	0.01	0.06	0.03	0.03	0.02	0.06	0.01	0.01	0.02	L0.01	L0.003	0.05
FENOL	MG/L	0.001	L0.001	$0.0030	$0.0050	$0.0070	$0.0030	$0.0020	L0.001	$0.0020	0.0010	0.0010	L0.001	$0.0020
INDICE DE TOXIDEZ.			1	0	0	0	0	0	1	0	1	1	1	0
TEMP.AR	-GR.C		30.	30.	30.	29.	30.	23.	30.	20.	24.	27.	33.	31.
CO.T.NMP/100ML		5000	3.3 *	92.	0.79 *	16. *	5.4 *	24. *	16. *	5.4 *	9.2 *	G24. *	54. *	16.
FERRO	MG/L		25.0	46.4	29.3	3.72	11.4	50.6	7.48	4.66	4.57	0.14	6.35	10.5
MANGANES	MG/L		0.28	0.92	0.60	0.35	0.24	0.75	0.17	0.11	0.09	0.24	0.12	0.19
NIQUEL	MG/L		0.08	0.30	0.13	0.08	0.02	0.03	0.03	0.01	ND	0.03	0.01	0.01
CLORETO	MG/L		5.5	3.8	4.9	5.8	5.0	3.9	5.6	4.2	11.0	3.8	5.3	5.1
OXIGENIO	MG/L		31.	87.	54.	43.	32.	79.	20.	22.	16.	31.	30.	28.
SURFAT.	MG/L		0.22	L0.07	L0.07	0.08	L0.07	0.11	0.20	0.07	0.21	0.11	0.21	L0.07
N.NITRATO	MG/L	10.0	0.561	0.291	0.483	0.528	0.475	0.297	0.521	0.763	0.923	0.561	0.569	0.784
N.NITRITO	MG/L	1.0	0.230	0.135	0.210	0.335	0.250	0.050	0.160	0.200	0.225	0.170	0.335	0.400
N.AMONIACAL	MG/L	0.5	L0.08	0.44	0.44 *	0.52	0.21	0.34 *	0.54	0.37 *	0.74	0.33 *	0.52 *	0.56
NI.KJELD.	MG/L		1.20	2.93	2.49	2.16	1.36	3.00	1.38	1.11	1.02	1.84	1.95	1.77
RES.FIXO	MG/L		290.	998.	402.	460.	298.	1004.	162.	138.	134.	244.	260.	174.
RES.VOLAT.	MG/L		66.	142.	88.	133.	61.	147.	34.	47.	55.	90.	39.	116.
COLORACAO			TURVA	VERMEL	TURVA	TURVA	TURVA	VERMEL	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA
CHUVAS			NAO	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO ITARARE, PONTE ROD. ITAPORANGA(SP)-SANTANA DO ITARARE(PR) ANO - 83

CODIGO DO LOCAL - 00SP42IT2200 CLASSE - 2 BACIA - PARANAPANEMA-ALTO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 05/14.30	FEV 02/10.15	MAR 02/12.00	ABR 05/11.00	MAI 03/13.00	JUN	JUL 07/11.00	AGO 03/12.00	SET 01/12.00	OUT 04/12.40	NOV 68/11.40	DEZ. 06/12.00.
.TEMP.AGUA	GR.C		27.	23.	27.	24.	25.		17.	16.	20.	24.	27.	26..
.PH	UNID.PH		6.8	6.6	6.9	6.5	6.8		6.8	7.7	6.9	7.4	7.0	7.3.
.OX.DISSOL	MG/L	5	6.5	7.6	6.4	6.5			8.2	8.4	8.2	7.2	6.4	7.4.
.DBO(5,20)	MG/L	5	1.	1.	1.	1.	1.		1.	1.	2.	2.	1.	3..
.CO.F.NMP/	100ML	1000	* 27.	* 13.	* 110.	* 2.	* 8.		* 5.	* 2.	* 1.7	* 4.9	* 35.	* 79..
.N.TOTAL	MG/L		1.08	1.18	0.69	0.92	0.53		0.47	0.49	1.04	0.48	0.76	2.84.
.FOSF.TOT.	MG/L		L0.020	0.035	0.028	L0.020	0.075		0.045	0.041	0.041	0.031	L0.020	L0.020.
.RES.TOTAL	MG/L		202.	122.	105.	95.	79.		118.	87.	111.	222.	139.	73..
.TURBIDEZ	UNT		76.	55.	30.	27.	25.		25.	16.	15.	20.	40.	46..
.		I.Q.A.	54.	59.	53.	57.			65.	70.	70.	65.	57.	53..
.BARIO	MG/L	1.0	0.05	0.05	0.04	0.07	L0.02		0.07	0.03	0.05	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.02	0.02	ND	0.01		0.01	0.03	0.01	0.01	0.01	ND.
.CROMO	MG/L	0.05	0.01	0.01	ND	ND	ND		ND	0.01	ND	0.01	0.01	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L0.0002	L0.0002	L0.0002	L0.0002	L0.0002		L0.0002	L0.0002	L0.0002	L0.0002	L0.0002	L0.0002.
.ZINCO	MG/L	5.0	0.01	0.01	0.02	0.03	0.01		0.02	L0.001	0.03	0.01	L0.003	0.03.
.FENOL	MG/L	0.001	0.0010	0.0010	L0.001	$0.0100	0.0010		L0.001	$0.0060	L0.001	L0.001	L0.001	0.0010.
.	INDICE DE TOXIDEZ.		1	1	1	0	1		1	0	1	1	1	1.
.TEMP.AR	GR.C		28.	23.	27.	23.	24.		18.	14.	21.	26.	29.	28..
.CO.F.NMP/	100ML	5000	* 33.	* 33.	* 540.	5.	* 23.		* 13.	5.	* 7.9	4.9	* 54.	* 130..
.FERRO	MG/L		7.80	4.92	3.70	2.86	3.21		3.12	2.03	2.66	2.48	4.65	3.08.
.MANGANES	MG/L		0.13	0.12	0.14	0.12	0.09		0.07	0.09	0.07	0.09	0.10	0.17.
.NIQUEL	MG/L		0.01	0.02	0.01	ND	0.01		0.01	0.03	0.01	0.02	0.01	0.01.
.CLORETO	MG/L		1.0	0.5	1.0	2.0	1.0		1.0	1.5	2.0	1.0	1.0	11.5.
.O & G	MG/L		14.	15.	15.	23.	10.		12.	10.	9.	13.	24.	18..
.SURFACT.	MG/L		0.07	0.10	0.11	0.08	0.05		L0.04	0.11	L0.04	0.07	L0.04	0.13.
.N.NITRATO	MG/L	10.0	0.18	0.13	0.12	0.13	L0.02		0.16	0.16	0.10	0.10	0.18	0.95.
.N.NITRITO	MG/L	1.0	L0.01	0.01	0.01	0.01	L0.01		L0.01	L0.01	0.01	0.01	L0.01	1.00.
.N.AMONIACAL	MG/L	0.5	0.05	L0.05	0.09	L0.05	0.10		0.02	L0.05	L0.05	L0.05	L0.05	0.11.
.NITROGENIO	MG/L		0.69	1.04	0.56	0.78	0.50		0.30	0.32	0.93	0.37	0.57	0.89.
.RES.FIXO	MG/L		165.	81.	98.	74.	62.		81.	58.	88.	172.	109.	52..
.RES.VOLAT.	MG/L		37.	41.	7.	21.	17.		37.	29.	23.	50.	30.	21..
.COLORACAO			MARROM	AMAREL	MARROM	MARROM	MARROM		VERMEL	MARROM	CINZA	MARROM	MARROM	MARROM.
.CHUVAS			SIM	NAO	SIM	NAO	NAO		NAO	NAO	NAO	NAO	NAO	NAO.
.VAZAO .INSTAN .TANEA	M3/S		108.	178.	84.8	78.2	84.6		171.	99.0	71.0	101.	75.8	59.0.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIC PARANAPANEMA, PONTE NA ROD. CAMPINA DC MONTE ALEGRE-BURI ANC - 83

CODIGO DO LOCAL - OOSP42PR2050 CLASSE - 2 BACIA - PARANAPANEMA-ALTO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/17.30	FEV 02/15.30	MAR 02/16.00	ABR 05/16.30	MAI 03/16.00	JUN 07/13.30	JUL 07/15.00	AGO 03/16.00	SET 01/16.00	OUT 04/16.00	NOV 68/16.40	DEZ. 06/16.00.
.TEMP.AGUA	GR.C		23.	23.	27.	23.	24.	16.	17.	16.	24.	27.	23.	26..
.PH	UNID.PH		6.4	6.5	6.6	6.6	6.7	6.8	6.4	7.7	7.1	7.4	7.1	6.9.
.OX.DISSOL	MG/L	5	5.7	5.6	6.2	7.4 *	2.1	6.5	7.4	8.0	7.8	6.8	6.3	7.0.
.DBO(5,20)	MG/L	5	1.	1.	1.	2.	1.	1.	1.	1.	1.	2.	2.	1..
.CO.F.NMP/100ML		1000	* 2.2	* 1.7	* 9.4	* 1.3	* 2.	0.8	* 8.	* 350.	* L20.	* 8.	* 3.3	0.8.
.N.TOTAL	MG/L		*1.26	0.97	1.17	1.64	0.73	0.61	0.21	0.50	1.10	0.55	0.50	0.96.
.FOSF.TOT.	MG/L		0.023	LO.020	0.101	0.041	0.065	0.105	0.015	0.028	0.052	0.028	LO.020	LO.020.
.RES.TOTAL	MG/L		85.	94.	119.	391.	68.	129.	75.	71.	69.	291.	117.	69..
.TURBIDEZ	UNT		30.	40.	50.	80.	25.	75.	20.	18.	18.	30.	40.	31..
.	I.Q.A.		64.	64.	59.	61.	52.	64.	62.	54.	61.	61.	64.	72..
.BARIO	MG/L	1.0	0.09	0.05	0.04	0.07	LO.02	LO.02	0.05	LO.02	LO.02	LO.50	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	0.61	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.62	0.01	0.01	0.03	0.01	ND	0.01	0.01	0.01	0.01	0.01	0.01.
.CROMO	MG/L	0.05	0.61	ND	0.01	0.02	ND	ND	ND	ND	ND	ND	0.01	0.01.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002.
.ZINCO	MG/L	5.0	0.10	0.01	0.06	0.05	0.02	0.01	0.03	0.01	0.05	LO.001	LO.003	0.01.
.FENOL	MG/L	0.001	0.0010	$0.0020	0.0010	$0.0030	$0.0020	LO.001	LO.001	$0.0040	LO.001	LO.001	$0.0020	LO.001.
. INDICE DE TOXIDEZ.			1	0	1	0	0	1	1	0	1	1	0	1 .
.TEMP.AR	-GR.C		21.	20.	26.	22.	23.	15.	18.	13.	23.	27.	28.	29..
.CO.T.NMP/100ML		5000	2.7	3.3	* 22.	1.7 *	8.	3.3	* 23.	*G2400.	* L20.	* 13.	4.9	2.3.
.FERRO	MG/L		3.46	3.18	5.15	2.30	3.21	5.02	2.33	2.12	4.52	2.64	3.79	4.80.
.MANGANES	MG/L		0.12	0.06	0.20	0.30	0.10	0.04	0.06	0.08	0.25	0.07	0.07	0.19.
.NIQUEL	MG/L		0.03	ND	0.01	0.05	ND	ND	0.01	0.01	0.01	0.01	0.01	0.01.
.CLORETO	MG/L		2.0	1.5	2.5	1.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0.
.O.W.O	MG/L		13.	13.	8.	25.	8.	18.	15.	13.	7.	26.	27.	15..
.SURFACT.	MG/L		0.07	0.05	0.10	0.09	LO.04	0.09	0.04	0.07	LO.04	0.09	LO.04	0.05.
.NITRATO	MG/L	10.0	0.08	0.06	0.09	0.14	LO.02	0.10	0.10	0.11	0.07	0.05	0.08	0.11.
.NITRITO	MG/L	1.0	LO.01	LO.01	0.02	LO.01	LO.01	LO.01	LO.01	0.01	0.01	0.01	LO.01	LO.01.
.AMONIACO	MG/L	0.5	0.05	0.17	0.16	LO.05	0.20	0.32	0.02	LO.05	LO.05	LO.05	LO.05	0.09.
.NITROGENIO	MG/L		1.17	0.90	1.06	1.49	0.70	0.50	0.10	0.38	1.02	0.48	0.41	0.84.
.RES.FIXO	MG/L		72.	54.	106.	340.	51.	82.	51.	31.	54.	246.	68.	45..
.RES.VOLAT.	MG/L		17.	40.	13.	51.	17.	47.	24.	40.	15.	45.	49.	24..
.COLORACAO			MARROM	AMAREL	MARROM	MARROM	MARROM	VERMEL	VERMEL	MARROM	CINZA	MARROM	MARROM	MARROM.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
.VAZAO INSTAN TANEA	M3/S		154.	252.	133.	109.	109.		195.	111.	71.7	143.	125.	116..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TAQUARI, PONTE NA RODOVIA ITAPEVA-ITARARE ANO - 83

CODIGO DO LOCAL - 00SP42TQ2012 CLASSE - 2 BACIA - PARANAPANEMA-ALTO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID	PADROES DEC 8468	JAN 05/11.00	FEV 02/07.30	MAR 02/09.00	ABR 05/08.00	MAI 03/09.00	JUN 07/08.30	JUL 07/05.30	AGO 03/09.00	SET 01/08.30	OUT 04/09.30	NOV 08/09.10	DEZ 06/09.00
TEMP.AGUA	GR.C		23.	21.	28.	24.	24.	15.	15.	14.	23.	25.	24.	27..
PH	UNID.PH		6.9	6.5	6.8	6.8	6.6	6.6	7.0	7.2	6.9	7.6	7.4	7.1.
OX.DISSOL	MG/L	5	6.4	6.8	5.0	7.2	* 0.8	8.0	8.0	9.0	8.0	6.6	7.3	7.8.
DBO(5,20)	MG/L	5	2.	1.	5.	3.	1.	1.	1.	1.	1.	1.	4.	1..
CO.F.NMP/100ML		1000	* 11.	* 33.	* 79.	* 11.	0.8	* 33.	* 2.	* 2.	* 1.5	* 4.9	* G240.	* 2800..
N.TOTAL	MG/L		0.63	1.03	1.43	0.63	0.43	0.86	0.47	0.42	0.62	0.55	0.89	1.32.
FOSF.TOT.	MG/L		0.025	0.039	0.020	0.023	0.065	0.150	0.030	0.025	0.025	0.036	L0.020	L0.020.
RES.TOTAL	MG/L		137.	156.	200.	159.	99.	190.	129.	115.	112.	123.	131.	115..
TURBIDEZ	UNT		26.	45.	40.	27.	15.	90.	24.	15.	10.	15.	25.	12..
	IQA.		55.	55.	49.	61.	47.	51.	68.	70.	73.	66.	51.	55..
BARIO	MG/L	1.0	0.05	0.05	0.07	0.07	L0.02	0.04	0.09	L0.02	0.05	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.01	0.04	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01.
CROMO	MG/L	0.05	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	0.01.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.02	0.02	0.02	0.05	0.03	0.02	0.01	0.08	0.04	0.02	L0.003	0.01.
FENOL	MG/L	0.001	L0.001	0.0010	L0.001	L0.001	$0.0020	$0.0020	0.0010	$0.0040	L0.001	L0.001	0.0010	0.0010.
INDICE DE TOXIDEZ.			1	1	1	1	0	0	1	0	1	1	1	1.
TEMP.AR	=GR.C		21.	19.	28.	23.	24.	14.	16.	11.	22.	27.	26.	28..
CO.T.NMP/100ML		5000	* 49.	* 79.	* 130.	* 49.	2.3	* 79.	5.	5.	* 7.	* 17.	* G240.	*16000..
FERRO	MG/L		2.54	3.90	3.70	3.02	1.85	8.40	2.83	1.85	1.93	2.88	9.65	2.35.
MANGANES	MG/L		0.18	0.14	0.25	0.22	0.12	0.15	0.11	0.13	0.19	0.12	0.33	0.19.
NIQUEL	MG/L		0.01	ND	0.01	0.01	0.01	0.02	0.01	ND	ND	0.01	0.01	0.03.
CLORETO	MG/L		1.5	1.0	1.5	1.5	1.5	1.5	2.0	1.5	2.0	2.5	2.0	2.5.
[illegible]	MG/L		13.	19.	24.	38.	5.	20.	16.	13.	10.	12.	24.	12..
SURFACT.	MG/L		0.05	0.05	0.10	0.10	0.05	L0.04	L0.04	0.11	0.05	0.07	L0.04	0.04.
N.NITRATO	MG/L	10.0	0.09	0.05	0.05	0.07	L0.02	0.25	0.16	0.13	0.06	0.08	0.21	0.21.
N.NITRITO	MG/L	1.0	0.01	0.01	0.01	L0.01	L0.01	L0.01	L0.01	L0.01	0.02	0.01	L0.01	L0.01.
N.AMONIACAL	MG/L	0.5	L0.05	0.16	0.20	L0.05	0.13	0.32	0.03	L0.05	L0.05	L0.05	L0.05	0.10.
NITROGENIO	MG/L		0.53	0.97	1.37	0.55	0.40	0.60	0.30	0.28	0.54	0.46	0.67	1.10.
RES.FIXO	MG/L		110.	109.	165.	133.	59.	135.	98.	83.	93.	95.	98.	91..
RES.VOLAT.	MG/L		27.	47.	35.	26.	40.	55.	31.	32.	19.	28.	33.	24..
COLORACAO			MARROM	AMARELO	MARROM	MARROM	MARROM	VERMELHO	TURVA	MARROM	CINZA	MARROM	CINZA	CINZA.
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARDO, PONTE NA RODOVIA RAPOSO TAVARES, KM 381 ANO - 83

CODIGO DO LOCAL - 00SP43PD2200 CLASSE - 2 BACIA - PARANAPANEMA-BAIXO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS	PADROES DEC8468	JAN 06/16.10	FEV 03/18.45	MAR 03/17.25	ABR 07/18.10	MAI 04/16.05	JUN 08/10.25	JUL 04/09.40	AGO 08/09.35	SET 05/09.00	OUT 06/16.15	NOV 03/15.15	DEZ. 01/10.00.
.TEMP.AGUA GR.C		25.	23.	25.	26.	23.	17.	17.	17.	21.	23.	24.	27..
.PH UNID.PH		7.2	7.4	7.4	7.7	7.2	7.0	7.2	7.7	7.0	7.5	7.5	7.6.
.OX.DISSOL MG/L	5	8.1	8.4	8.1	8.8	9.4	9.6	10.4	11.1	10.1	9.5	7.4	9.6.
.DBO(5,20) MG/L	5	2.	1.	3.	3.	1.	1.	3.	L1.	2.	1.	1.	L1..
.CO.F.NMP/100ML	1000	0.49	0.079	0.49	* 1.3	0.049	* 3.5	0.79	0.079	0.24	0.079	0.079	0.49.
.N.TOTAL MG/L		0.59	0.55	0.88	0.80	0.67	1.14	0.48	0.62	0.23	0.53	1.23	0.42.
.FOS.TOT. MG/L		0.068	0.077	L0.022	0.061	0.071	0.100	L0.022	0.034	0.090	L0.022	0.037	0.043.
.RES.TOTAL MG/L		126.	119.	128.	147.	77.	396.	93.	86.	112.	98.	104.	126..
.TURBIDEZ UNT		29.	47.	58.	53.	28.	220.	26.	18.	26.	26.	35.	54..
	I.Q.A.	72.	77.	69.	66.	80.	53.	71.	80.	74.	79.	78.	70..
.BARIO MG/L	1.0	0.11	0.07	0.09	L0.02	0.04	0.06	0.09	0.05	0.25	L0.50	L0.50	L0.50.
.CADMIO MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE MG/L	1.0	0.02	0.01	0.01	0.01	0.01	0.04	0.01	0.01	ND	ND	0.01	0.01.
.CROMO + MG/L	0.05	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	0.01	ND.
.ESTANHO MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0004	L.0002	L.0002	L.0002	L.0002.
.ZINCO MG/L	5.0	0.02	0.01	L0.001	0.01	L0.001	0.02	0.01	0.02	0.05	L0.001	0.05	0.03.
.FENOL MG/L	0.001	§0.0050	§0.0020	L0.001	L0.001	0.0010	L0.001	L0.001	0.0010	§0.0020	§0.0020	0.0010	L0.001.
INDICE DE TOXIDEZ.		6	0	1	1	1	1	1	1	0	0	1	1 .
.TEMP.AR -GR.C		29.	24.	27.	25.	27.	19.	19.	20.	19.	26.	29.	32..
.CO.F.NMP/100ML	5000	2.4	0.54	0.79	2.4	0.54	* 5.4	1.3	0.54	1.6	0.46	0.24	3.5.
.FERRO MG/L		5.16	5.14	5.53	9.16	3.58	22.5	3.22	2.52	2.96	3.17	4.69	3.15.
.MANGANES MG/L		0.13	0.11	0.16	0.19	0.11	0.20	0.09	0.06	0.07	0.10	0.15	0.17.
.NIQUEL MG/L		0.01	0.01	0.01	0.02	0.01	0.07	0.01	ND	ND	0.01	0.02	0.01.
.CLORETO MG/L		2.7	1.9	1.5	1.2	1.6	1.8	3.3	1.0	2.5	2.0	1.3	1.6.
.DUREZA MG/L		15.	15.	14.	14.	12.	27.	8.	6.	8.	4.	17.	16..
.SURFACT. MG/L		L0.07	0.07	L0.07	0.08	0.10	L0.07	0.07	L0.07	L0.07	0.09	0.13	0.09.
.N.NITRATO MG/L	10.0	0.135	0.165	0.170	0.223	0.160	0.135	0.150	0.333	0.180	0.175	0.432	0.185.
.N.NITRITO MG/L	1.0	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	0.003	0.003	L0.003	L0.003.
.N.AMONIACAL MG/L	0.5	L0.08	L0.08	0.20	0.18	0.23	0.09	L0.08	L0.08	L0.08	L0.08	0.12	L0.08.
.NITROGENIO MG/L		0.450	0.381	0.702	0.569	0.505	1.00	0.326	0.282	L0.045	0.353	0.790	0.236.
.RES.FIXO MG/L		92.	89.	109.	110.	62.	329.	57.	71.	92.	79.	84.	114..
.RES.VOLAT.MG/L		34.	30.	19.	37.	15.	67.	36.	15.	20.	19.	20.	12..
.COLORACAO		TURVA	VERMEL	VERMEL	TURVA	TURVA	VERMEL	TURVA	TURVA	TURVA	TURVA	VERMEL	TURVA.
.CHUVAS		SIM	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.

.VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARANAPANEMA, 800M A JUSANTE DA BARRAGEM DE CAPIVARA ANO - 83

CODIGO DO LOCAL - 00SP43PR9300 CLASSE - 2 BACIA - PARANAPANEMA-BAIXO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 04/13.40	FEV 01/15.40	MAR 01/14.30	ABR 05/15.25	MAI 02/15.15	JUN 13/10.20	JUL 05/15.30	AGO 03/14.30	SET 01/14.55	OUT 04/15.25	NOV 08/15.45	DEZ 06/15.30
TEMP.AGUA	GR.C		27.	28.	24.	27.	24.	19.	22.	20.	20.	23.	25.	25.
PH	UNID.PH		7.3	7.1	7.1	7.2	7.5	7.3	7.3	7.5	7.0	7.0	7.2	7.0
OXI.DISSOL	MG/L	5	5.2	5.3	7.4	8.8	9.9	12.1	10.1	10.7	10.4	10.5	10.3	7.8
DBO(5,20)	MG/L	5	1.	1.	1.	3.	2.	2.	2.	1.	1.	3.	2.	2.
CO.F.NMP/100ML		1000	0.023	0.033	0.033	0.23	0.023	0.033	0.023	0.033	0.35	0.13	0.023	0.54
N.TOTAL	MG/L		0.75	0.62	0.60	0.91	0.44	0.78	0.47	0.55	0.41	0.55	0.71	0.77
FOSF.TOT.	MG/L		0.049	0.087	LO.022	LO.022	LO.022	0.127	0.028	0.093	0.058	LO.022	0.087	0.083
RES.TOTAL	MG/L		124.	128.	141.	113.	107.	164.	98.	90.	64.	86.	70.	115.
TURBIDEZ	UNT		127.	68.	87.	60.	39.	130.	62.	43.	33.	36.	40.	43.
	I.Q.A.		66.	76.	75.	71.	80.	64.	78.	79.	74.	74.	78.	71.
BARIO	MG/L													
CALMIO	MG/L													
CHUMBO	MG/L													
COBRE	MG/L													
CROMO	MG/L													
ESTANHO	MG/L													
MERCURIO	MG/L													
ZINCO	MG/L													
FENOL	MG/L													
INDICE DE TOXIDEZ.														
TEMP.AR	GR.C		35.	30.	30.	31.	33.	19.	32.	20.	21.	30.	32.	31.
CO.T.NMP/100ML		5000	0.079	0.079	0.079	0.49	0.13	0.49	0.33	0.22	0.35	0.24	0.033	0.92
FERRO	MG/L													
MANGANES	MG/L													
NIQUEL	MG/L													
CLORETO	MG/L		1.5	1.6	2.8	1.5	2.5	1.8	2.3	1.6	1.3	1.2	2.4	2.0
COR	MG/L		26.	11.	8.	15.	8.	14.	12.	2.	1.	9.	8.	12.
SURFACT.	MG/L													
N.NITRATO	MG/L	10.0	0.267	0.239	0.217	0.250	0.217	0.250	0.185	0.291	0.262	0.250	0.297	0.185
N.NITRITO	MG/L	1.0	LO.063	0.003	0.003	LO.003	LO.003	0.003	LO.003	LO.003	0.005	LO.003	LO.003	LO.003
N.AMONIAC	MG/L	0.5	LO.08	LO.08	LO.08	0.23	LO.08	LO.08	0.13	LO.08	0.10	LO.08	LO.08	LO.08
NI.ORGEO.	MG/L		0.478	0.381	0.381	0.655	0.220	0.524	0.284	0.251	0.140	0.301	0.407	0.582
RES.FIXO	MG/L													
RES.VOLAT.	MG/L													
COLORACAO			VERMEL	VERMEL	TURVA	VERMEL	VERMEL	VERMEL	VERMEL	VERMEL	TURVA	TURVA	TURVA	VERMEL
CHUVAS			NAO	SIM	SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO
VAZAO														
MEDIA	M3/S		2946.	2161.	750.	1176.	2370.	14156.	4360.	1564.	1484.	2900.	1844.	1204.
DIARIA														

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO CUBATAO, NA PONTE PRETA, EM FRENTE A ANTIGA ETA DA SAEC — ANO - 83

CODIGO DO LOCAL - CGSP51CB2200 — CLASSE - 2 — BACIA - BAIXADA SANTISTA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 03/13.15	FEV 02/09.00	MAR 01/12.20	ABR 04/12.20	MAI 02/13.20	JUN 06/11.37	JUL 04/12.30	AGO 01/10.35	SET 05/08.31	OUT 03/09.00	NOV 07/12.30	DEZ 05/08.55
TEMP.AGUA	GR.C		25.	21.	22.	23.	21.	18.	23.	18.	18.	20.	23.	23..
PH	UNID.PH		6.7	5.6	6.2	6.7	8.0	6.1	4.5	6.3	5.7	6.3	7.3	6.3.
OX.DISSOL	MG/L	5	7.5	8.0	7.8	9.4	8.8	9.7	10.1	9.7	9.1	8.9	9.4	8.1.
DBO(5,20)	MG/L	5	1.	2.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1..
CO.F.NMP/100ML		1000	* 1.1	* 540.	0.54	0.79	0.46	0.79	0.33	0.17	* 1.1	0.79	* 7.	* 2.1.
N.TOTAL	MG/L		0.64	0.85	0.64	0.46	0.58	0.13	0.74	0.55	0.88	0.55	0.90	0.66.
FOSF.TOT.	MG/L		0.020	0.170	0.025	0.035	0.090	0.085	0.035		1.95	0.030	0.055	0.035.
RES.TOTAL	MG/L		37.	376.	52.	45.	47.	101.	47.	41.	51.	42.	128.	88..
TURBIDEZ.	UNT		3.5	100.	3.5	4.5	6.0	30.	5.7	2.5	6.2	4.0	28.	25..
IQA.			74.	41.	74.	75.	77.	69.	62.		60.	74.	64.	68..
BARIO	MG/L	1.0	LO.02	0.05	LO.02	LO.02	0.02	LO.02	0.04	LO.02	LO.02	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	0.02	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.09	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.05	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	LO.001	0.04	0.01	0.01	0.01	0.01	0.02	LO.001	0.04	LO.001	0.01	0.02.
FENOL	MG/L	0.001	$0.0030	LO.001	$0.0020	0.0010	$0.0020	0.0010	$0.0050	LO.001	$0.0020	0.0010	LO.001	$0.0020.
INDICE DE TOXIDEZ.			0	1	0	1	0	1	0	1	0	1	1	0 .
TEMP.AR	-GR.C		31.	24.	27.	31.	23.	20.	27.	18.	18.	20.	28.	26..
CO.T.NMP/100ML		5000	1.1	* 540.	1.4	2.4	1.1	2.4	0.33	0.33	2.8	* 24.	* 49.	4.6.
FERRO	MG/L		0.47	16.7	0.58	0.51	0.80	2.65	0.51	0.49	0.70	0.66	10.8	2.55.
MANGANES	MG/L		0.05	0.33	0.12	0.09	0.10	0.08	0.07	0.10	0.08	0.06	0.14	0.08.
NIQUEL	MG/L		0.61	0.10	ND	ND	0.01	0.01	ND	ND	ND	ND	ND	ND.
CLORETO	MG/L		5.0	3.0	4.0	5.0	5.0	3.0	3.0	5.0	4.0	4.0	5.0	4.0.
[illegible]	MG/L		6.	34.	10.	2.	5.	16.	5.	4.	7.	7.	1.	8..
SURFACT.	MG/L		LO.04	LO.04	LO.04	LO.04	LO.04	0.13	LO.04	0.04	LO.04	LO.04	LO.04	LO.04.
N.NITRATO	MG/L	10.0	0.36	0.24	0.33	0.35	0.45	LO.02	0.33	0.24	0.37	0.34	0.39	0.35.
N.NITRITO	MG/L	1.0	0.68	LO.005	0.01	0.01	0.03	LO.005	0.01	LO.005	0.01	LO.005	0.01	0.01.
N.AMONIACAL	MG/L	0.5	0.10	0.18	0.15	0.03	0.07	0.07	0.11	0.29	0.11	0.11	0.13	0.27.
NI.KJELD.	MG/L		0.20	0.60	0.30	0.10	0.10	0.10	0.40	0.30	0.50	0.20	0.50	0.30.
RES.FIXO	MG/L		28.	227.	39.	28.	32.	71.	29.	27.	20.	29.	80.	66..
RES.VOLAT.	MG/L		9.	149.	13.	17.	15.	30.	18.	14.	31.	13.	48.	22..
COLORACAO			PRETA	TURVA	VERDE	TURVA	VERDE	VERMEL	VERDE	VERDE	CINZA	AMAREL	AMAREL	AMAREL.
CHUVAS			NAO	SIM	SIM	NAO	NAO	SIM	NAO	SIM	SIM	SIM	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO CUBATAO, 1,5KM A JUSANTE DA FOZ DO RIO PEREQUE — ANO - 83

CODIGO DO LOCAL - CGSF51CB2400 — CLASSE - 3 — BACIA - BAIXADA SANTISTA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 03/09.15	FEV 02/12.40	MAR 01/09.20	ABR 04/09.15	MAI 02/09.50	JUN	JUL	AGO	SET	OUT 03/10.45	NOV	DEZ. 05/14.30.
.TEMP.AGUA	GR.C		25.	22.	21.	24.	21.					20.		26..
.PH	UNID.PH		6.7	6.1	6.8	6.3	6.7					7.4		6.8.
.OX.DISSOL	MG/L	4	6.5	7.4	7.6	8.8	7.6					9.8		8.4.
.DBO(5,20)	MG/L	10	4.	3.	7.	4.	5.					4.		2..
.CO.F.NMP/100ML		4000	3.3	* 130.	* 130.	* 140.	* 17.					* 4.9		* 24..
.N.TOTAL	MG/L		8.88	2.50	3.70	3.06	2.82					3.04		3.50.
.FOS.TOT.	MG/L		0.625	0.250	0.230	0.085	0.115					0.050		0.060.
.RES.TOTAL	MG/L		200.	307.	172.	172.	138.					103.		100..
.TURBIDEZ	UNT		2.5	85.	3.7	4.5	4.1					3.6		12..
	I.Q.A.		58.	43.	49.	51.	57.					65.		59..
.BARIO	MG/L	1.0	0.06	0.05	0.03	0.09	0.04					L0.50		L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND					ND		ND.
.CHUMBO	MG/L	0.1	ND	0.01	ND	ND	ND					ND		ND.
.COBRE	MG/L	1.0	ND	0.03	ND	ND	ND					ND		ND.
.CROMO	MG/L	0.05	ND	0.01	ND	ND	ND					ND		ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND					ND		ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	0.0002	L.0002	L.0002					L.0002		L.0002.
.ZINCO	MG/L	5.0	L0.001	0.12	L0.001	0.01	0.01					L0.001		0.02.
.FENOL	MG/L	0.001	$0.0500	$0.0080	$0.0710	$0.0560	$0.0610					$ 0.116		$ 0.182.
.GRAUDE DE TOXIDEZ.			0	0	0	0	0					0		0 .
.TEMP.AR	GR.C		31.	25.	26.	30.	23.					20.		28..
.CO.T.NMP/100ML		20000	3.3	*62400.	* 240.	* 920.	* 110.					* 24.		* 49..
.FERRO	MG/L		0.15	9.20	0.63	0.81	0.68					0.56		0.50.
.MANGANES	MG/L		0.19	0.26	0.24	0.22	0.18					0.11		0.18.
.NIQUEL	MG/L		ND	0.05	ND	ND	ND					ND		ND.
.CLORETO	MG/L		49.0	14.0	31.0	29.0	25.0					18.0		34.0.
.DUREZA	MG/L		55.	27.	30.	24.	20.					16.		21..
.SURFACT.	MG/L		0.32	0.13	0.12	0.04	0.20					0.11		0.11.
.N.NITRATO	MG/L	10.0	1.01	1.00	1.89	1.71	1.72					1.21		0.95.
.N.NITRITO	MG/L	1.0	0.97	0.10	0.11	0.25	0.10					0.03		0.05.
.N.AMONIACAL	MG/L	0.5	* 5.60	* 0.80	* 1.10	* 0.53	* 0.64					* 1.20		* 1.70.
.NITROGENIO.	MG/L		6.90	1.40	1.70	1.10	1.00					1.80		2.50.
.RES.FIXO	MG/L		148.	245.	122.	100.	97.					75.		82..
.RES.VOLAT.	MG/L		52.	62.	50.	72.	41.					28.		18..
.COLORACAO			PRETA	TURVA	PRETA	TURVA	VERDE					TURVA		TURVA.
.CHUVAS			NAO	SIM	SIM	NAO	NAO					SIM		NAO.

.VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - CANAL DE FUGA 1, DA USINA HENRY BORDEN ANO - 83

CODIGO DO LOCAL - 005P51CF4010 CLASSE - 2 BACIA - BAIXADA SANTISTA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 03/12.40	FEV 02/09.45	MAR 01/11.51	ABR 04/11.20	MAI 02/12.00	JUN 06/10.51	JUL 04/10.45	AGO 01/09.21	SET 05/14.30	OUT 03/15.10	NOV 07/11.19	DEZ 05/10.50
TEMP.AGUA GR.C			25.	21.	23.	24.	23.	17.	23.	17.	17.	19.	23.	23..
PH	UNID.PH		6.6	6.4	6.9	7.2	7.7	6.6	5.5	6.8	6.8	7.1	7.1	7.0.
OXI.DISSOL	MG/L	5	6.2	7.7	8.0	9.5	9.2	9.7	10.2	10.8	9.1	8.7	9.5	9.1.
DBO(5,20)	MG/L	5	4.	* 8.	4.	3.	4.	1.	2.	3.	1.	1.	2.	2..
COLI.F.NMP/100ML		1000	0.33	* 2.3	0.13	* 2.4	* 7.9	0.049	0.79	* 1.1	0.22	0.49	0.49	* 1.7.
N.TOTAL	MG/L		8.10	5.90	2.90	2.50	2.70	0.55	2.68	2.19	2.04	1.72	2.58	1.46.
FOSF.TOT.	MG/L		0.780	0.400	0.230	0.060	0.120	0.115	0.105	0.095	0.340	0.085	0.120	0.060.
RES.TOTAL	MG/L		206.	182.	173.	146.	152.	134.	126.	121.	119.	112.	154.	140..
TURBIDEZ	UNT		2.5	3.5	2.8	3.0	4.7	3.0	2.6	3.2	2.7	2.7	2.8	13..
I.Q.A.			63.	58.	75.	67.	62.	83.	65.	71.	77.	76.	74.	70..
BARIO	MG/L	1.0	0.06	0.05	0.03	0.09	LO.02	0.03	0.05	0.10	LO.02	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	ND	ND	ND	ND	0.14	0.01	ND	0.01	ND	0.02	ND	0.01.
CROMO	MG/L	0.05	ND	ND	ND	ND	ND	0.01	ND	0.01	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	LO.001	0.01	LO.001	LO.001	0.01	LO.001	LO.001	LO.001	0.14	LO.001	0.01	0.01.
FENOL	MG/L	0.001	$0.0020	$0.0020	$0.0020	0.0010	0.0010	$0.0020	$0.0020	LO.001	$0.0030	0.0010	0.0010	LO.001.
INDICE DE TOXIDEZ.			0	0	0	1	1	0	0	1	0	1	1	1.
TEMP.AR	GR.C		32.	24.	27.	32.	23.	20.	26.	18.	19.	20.	26.	26..
COLI.TERMO/100ML		5000	0.79	* 11.	0.33	4.9	* 33.	0.33	2.4	3.3	1.3	2.4	0.79	4.9.
FERRO	MG/L		0.20	0.24	0.20	0.25	0.46	0.35	0.31	0.35	0.28	0.21	0.32	0.62.
MANGANES	MG/L		0.24	0.15	0.21	0.19	0.14	0.20	0.14	0.10	0.18	0.07	0.10	0.21.
NIQUEL	MG/L		ND	ND	ND	ND	0.09	ND	ND	0.02	ND	ND	ND	0.01.
CLORETO	MG/L		44.0	35.0	31.0	30.0	27.0	22.0	22.0	20.0	21.0	19.0	18.0	19.0.
DUREZA	MG/L		25.	22.	25.	20.	21.	15.	13.	22.	13.	14.	15.	16..
SURFACT.	MG/L		0.31	0.29	0.15	0.20	0.18	0.12	0.09	0.15	0.12	0.11	0.09	0.08.
N.NITRATO	MG/L	10.0	1.68	2.60	1.88	1.83	2.31	0.04	1.72	1.38	1.22	1.00	0.97	0.79.
N.NITRITO	MG/L	1.0	0.12	0.10	0.12	0.17	0.09	LO.005	0.06	LO.005	0.02	0.02	0.01	0.07.
N.AMONIACAL	MG/L	0.5	* 5.00	* 1.80	* 0.78	0.08	0.07	0.07	0.15	0.05	0.15	0.02	0.14	0.33.
N.ORGANICO	MG/L		6.90	2.90	0.90	0.50	0.30	0.50	0.90	0.80	0.80	0.70	1.60	0.60.
RES.FIXO	MG/L		164.	126.	120.	108.	104.	100.	88.	83.	92.	78.	79.	107..
RES.VOLAT.	MG/L		42.	56.	53.	38.	48.	34.	38.	38.	27.	34.	75.	33..
COLORACAO			PRETA	TURVA	PRETA	TURVA	PRETA	PRETA	PRETA	PRETA	PRETA	TURVA	PRETA	VERDE.
CHUVAS			NAO	SIM	SIM	NAO	NAO	SIM	NAO	SIM	SIM	SIM	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - CANAL DE FUGA 2, DA USINA HENRY BORDEN — ANO - 83

CODIGO DO LOCAL - 00SP51CF4020 — CLASSE - 2 BACIA - BAIXADA SANTISTA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES CEC8468		JAN 03/12.30		FEV 02/10.20		MAR 01/11.28	ABR 04/11.40	MAI 02/12.30	JUN 06/10.27	JUL 04/11.30	AGO 01/09.59		SET 05/14.17	OUT 03/16.00	NOV 07/11.53		DEZ. 05/09.50.
.TEMP.AGUA GR.C				26.		21.		23.	24.	23.	17.	22.	17.		17.	19.	23.		23..
.PH UNID.PH				6.7		6.5		7.1	7.2	7.6	6.7	5.8	6.7		6.7	7.2	7.3		7.0.
.OX.DISSOL MG/L		5		6.6		8.0		7.7	9.3	9.2	9.8	9.6	10.8		9.1	9.4	10.1		8.9.
.DBO(5,20) MG/L		5		4.	*	5.		3.	2.	2.	1.	1.	3.		1.	1.	2.		2..
.CO.F.NMP/100ML		1000		0.065		0.46		0.54	0.033	0.049	0.33	0.049	3.3	*	0.79	0.33	0.79	*	1.1.
.N.TOTAL MG/L				7.80		6.10		3.74	2.30	2.90	0.51	2.48	2.19		2.02	1.24	2.28		1.50.
.FOS.TOT. MG/L				0.750		0.825		0.220	0.075	0.110	0.105	0.060	0.110		0.290	0.090	0.100		0.175.
.RES.TOTAL MG/L				208.		182.		162.	151.	136.	136.	125.	102.		120.	100.	126.		95..
.TURBIDEZ UNT				2.5		3.5		3.4	2.5	3.3	4.0	2.6	3.2		3.2	2.7	3.0		12..
	I.Q.A.			75.		61.		71.	83.	81.	77.	77.	67.		73.	78.	73.		71..
.BARIO MG/L		1.0		0.08		0.07		0.03	0.09	0.02	L0.02	0.05	0.11		0.03	L0.50	L0.50		E0.50.
.CADMIO MG/L		0.01		ND		ND		ND	ND	ND	ND	ND	ND		ND	ND	ND		ND.
.CHUMBO MG/L		0.1		ND		ND		ND	ND	ND	ND	ND	ND		ND	ND	ND		ND.
.COBRE MG/L		1.0		ND		ND		ND	ND	ND	ND	0.01	ND		ND	ND	ND		ND.
.CROMO MG/L		0.05		ND		ND		ND	ND	ND	ND	ND	ND		ND	ND	ND		ND.
.ESTANHO MG/L		2.0		ND		ND		ND	ND	ND	ND	ND	ND		ND	ND	ND		ND.
.MERCURIO MG/L		0.002		L.0002		L.0002		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002		L.0002	L.0002	L.0002		L.0002.
.ZINCO MG/L		5.0		L0.001		0.01		L0.001	0.01	0.01	L0.001	0.02	0.01		0.09	L0.001	0.01		0.02.
.FENOL MG/L		0.001		0.0010		$0.0020		$0.0030	$0.0020	L0.001	0.0010	$0.0020	L0.001		L0.001	$0.0020	0.0010		L0.001.
INDICE DE TOXIDEZ.				1		0		0	0	1	1	0	1		1	0	1		1.
.TEMP.AR GR.C				31.		24.		27.	32.	23.	20.	26.	18.		19.	20.	27.		26..
.CO.T.NMP/100ML		5000		0.079		4.9		0.54	0.33	0.17	2.4	0.24	4.9		0.79	0.79	3.3	*	7..
.FERRO MG/L				0.26		0.23		0.22	0.22	0.30	0.43	0.28	0.33		0.28	0.28	0.27		0.32.
.MANGANES MG/L				0.21		0.15		0.18	0.14	0.14	0.18	0.13	0.10		0.17	0.22	0.11		0.15.
.NIQUEL MG/L				0.01		ND		ND	0.01	ND	ND	0.01	0.01		ND	ND	0.01		ND.
.CLORETO MG/L				42.0		38.0		32.0	32.0	25.0	22.0	21.0	21.0		20.0	17.0	18.0		20.0.
.DUREZA MG/L				25.		20.		27.	20.	19.	15.	14.	18.		13.	10.	14.		8..
.SURFAT. MG/L				0.30		0.25		0.13	0.20	0.20	0.15	0.08	0.15		0.13	0.09	0.09		0.06.
.N.NITRATO MG/L		10.0		1.34		3.01		1.91	1.87	2.45	0.10	1.72	1.38		1.20	1.01	0.97		0.84.
.N.NITRITO MG/L		1.0		0.46		0.09		0.13	0.13	0.15	L0.005	0.06	L0.005		0.02	0.03	0.01		0.06.
.N.AMONIACAL MG/L		0.5	*	5.00	*	1.80	*	0.60	0.08	0.07	0.07	0.16	0.12		0.24	0.08	0.06		0.30.
.NI.KJELD. MG/L				5.90		3.00		1.70	0.30	0.30	0.40	0.70	0.80		0.80	0.20	1.30		0.60.
.RES.FIXO MG/L				153.		133.		117.	103.	42.	99.	85.	62.		94.	78.	72.		74..
.RES.VOLAT. MG/L				55.		49.		45.	48.	94.	37.	40.	40.		26.	22.	54.		21..
.COLORACAO				PRETA		TURVA		PRETA	TURVA	PRETA	PRETA	PRETA	PRETA		PRETA	TURVA	PRETA		VERDE.
.CHUVAS				NAO		SIM		SIM	NAO	NAO	NAO	SIM	NAO		SIM	SIM	NAO		NAO.
.VAZAO M3/S																			

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO MOJI, PONTE NA RODOVIA CUBATAO-GUARUJA ANO - 83

CODIGO DO LOCAL - CCSP51MC2200 CLASSE - 2 BACIA - BAIXADA SANTISTA

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 03/11.10	FEV 02/11.40	MAR 01/10.59	ABR 04/10.55	MAI 02/11.15	JUN 06/09.50	JUL 04/09.45	AGO 01/08.42	SET 05/13.48	OUT 03/14.00	NOV 07/10.21	DEZ. 05/12.25.
.TEMP.AGUA	GR.C		27.	21.	23.	23.	20.	19.	22.	18.	18.	20.	22.	26..
.PH	UNID.PH		6.0	4.1	5.5	5.3	6.7	5.4	6.0	6.0	5.8	4.5	5.4	6.6.
.OX.DISSOL	MG/L	5	6.8	7.5	8.1	8.0	8.3	9.3	9.5	9.2	9.9	8.7	9.0	8.1.
.DBO(5,20)	MG/L	5	1.	2.	1.	1.	1.	1.	1.	1.	1.	1.	1.	2..
.COL.F.NMP/	100ML	1000	* 24.	* 3.3	* 1.1	* 1.3	* 4.9	* 7.9	* 1.3	* 4.9	* 170.	0.002	* 3.1	* 17..
.N.TOTAL	MG/L		15.0	6.20	7.76	8.40	9.20	5.18	9.50		18.4	8.21	10.2	32.5.
.FOSF.TOT.	MG/L		13.5	5.00	1.23	0.590	3.75	3.10	3.50	8.75	2.20	1.30	1.40	7.50.
.RES.TOTAL	MG/L		216.	293.	143.	147.	207.	191.	200.	202.	215.	176.	167.	333..
.TURBIDEZ	UNT		4.5	120.	7.8	6.0	22.	35.	4.7	2.9	5.6	23.	9.6	23..
	I.Q.A.		39.	31.	57.	58.	49.	45.	53.		41.	62.	52.	39..
.BARIO	MG/L	1.0	0.06	0.10	0.05	0.08	LO.02	0.04	0.09	0.10	0.05	LO.50	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	0.01	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.07	ND	ND	ND	0.01	ND	ND	ND	0.02	0.01	ND.
.CROMO	MG/L	0.05	ND	0.04	ND	ND	ND	0.01	ND	ND	ND	0.01	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002	LO.0002.
.ZINCO	MG/L	5.0	LO.001	0.08	0.03	0.01	0.02	0.04	0.04	0.03	0.09	0.05	0.03	0.02.
.FENOL	MG/L	0.001	0.0010	LO.001	$0.0020	LO.001	$0.0040	$0.0020	0.0010	LO.001	$0.0080	$0.0030	LO.001	LO.001.
	INDICE DE TOXIDEZ.		1	1	0	1	0	0	1	1	0	0	1	1 .
.TEMP.AR	-GR.C		31.	25.	27.	30.	23.	20.	25.	18.	19.	21.	25.	29..
.COL.T.NMP/	100ML	5000	* 240.	* 23.	4.9	3.3	* 33.	* 130.	2.4	* 49.	* 920.	0.013	* 79.	* 70..
.FERRO	MG/L		1.64	25.8	1.65	2.07	2.07	4.29	1.34	0.88	2.33	1.78	2.21	2.28.
.MANGANES	MG/L		0.60	0.51	0.50	0.70	0.55	0.30	0.60	0.65	0.70	0.50	0.52	0.76.
.NIQUEL	MG/L		0.04	0.13	ND	0.01	0.03	0.02	0.01	0.01	0.02	0.09	0.01	0.01.
.CLORETO	MG/L		16.0	10.0	7.0	12.0	10.0	7.0	8.0	9.0	17.0	9.0	9.0	15.0.
.D.B.O	MG/L		4.	36.	3.	2.	4.	10.	3.	5.	7.	6.	2.	6..
.SURFACT.	MG/L		LO.04	LO.04	LO.04	LO.04	LO.04	LO.04	LO.04	0.04	0.06	LO.04	LO.04	LO.04.
.N.NITRATO	MG/L	10.0	7.12	2.68	5.35	5.39	5.77	0.16	6.55		8.70	5.60	6.38	8.42.
.N.NITRITO	MG/L	1.0	0.06	0.02	0.01	0.01	0.03	0.02	0.05		0.10	LO.005	0.02	0.08.
.N.AMONIACAL	MG/L	0.5	* 5.70	* 2.60	* 2.20	* 2.50	* 3.00	* 4.80	0.05	* 8.10	* 9.20	* 2.30	* 2.70	* 18.0.
.NITROGENIO	MG/L		7.80	3.50	2.40	3.00	3.40	5.00	2.90	10.0	9.60	2.60	3.80	24.0.
.RES.FIXO	MG/L		154.	230.	87.	95.	127.	139.	132.	147.	141.	106.	92.	237..
.RES.VOLAT.	MG/L		61.	63.	56.	52.	80.	52.	68.	55.	74.	70.	75.	96..
.COLORACAO			VERDE	TURVA	VERDE	VERDE	VERDE	AMAREL	VERDE	VERDE	VERDE	AMAREL	VERDE	TURVA.
.CHUVAS			NAO	SIM	SIM	NAO	NAO	SIM	NAO	SIM	SIM	SIM	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PIACAGUERA, PTE NA R.2, EM FRENTE A ACUBOS TREVO, V. PARISI ANO - 83

CODIGO DO LOCAL - 005P51PG2001 CLASSE - 2 BACIA - BAIXADA SANTISTA

NAO ATENDEM ACS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS	UNID	PADROES DEC 8468	JAN 03/10.20	FEV	MAR 01/10.05	ABR 04/09.50	MAI 02/10.30	JUN	JUL	AGO	SET	OUT 03/11.15	NOV 07/09.50	DEZ. 05/11.40.
TEMP.AGUA	GR.C		26.		22.	24.	21.					20.	20.	28..
PH	UNID.PH		6.3		5.8	5.8	6.5					3.8	6.4	5.4.
OX.DISSOL	MG/L	5	* 3.2		* 1.2	0.3	* 4.3					5.3	* 3.1	* 3.9.
DBO(5,20)	MG/L	5	1.		* 12.	3.	4.					* 12.	5.	* 9..
CO.F.NMP/100ML		1000	* 110.		* 790.	* 3300.	* 790.					0.13	* 1100.	* 7900..
N.TOTAL	MG/L		6.70		34.2	6.70	9.20					18.5	49.4	11.1.
FOSF.TOT.	MG/L		13.0		39.0	15.5	16.0					15.7	29.	13.8.
RES.TOTAL	MG/L		241.		603.	244.	217.					504.	298.	507..
TURBIDEZ	UNT		9.0		52.	30.	23.					23.	24.	24..
	I.Q.A.		31.		17.	33.	30.					30.	23.	24..
BARIO	MG/L	1.0	0.08		0.16	0.09	0.00					L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND		ND	ND	ND					ND	ND	ND.
CHUMBO	MG/L	0.1	0.05		ND	ND	ND					ND	ND	ND.
COBRE	MG/L	1.0	0.01		ND	0.01	ND					0.01	0.01	0.01.
CROMO	MG/L	0.05	ND		ND	ND	ND					ND	ND	0.01.
ESTANHO	MG/L	2.0	ND		ND	ND	ND					ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002		L.0002	L.0002	L.0002					L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.01		0.05	0.04	0.04					0.18	0.04	0.07.
FENOL	MG/L	0.001	$0.0050		$0.0070	L0.001	$0.0050					$0.0110	$0.0130	0.0010.
INDICE DE TOXIDEZ.			0		0	1	0					0	0	1.
TEMP.AR	-GR.C		31.		26.	30.	23.					20.	24.	29..
CO.T.NMP/100ML		5000	* 170.		* 4900.	* 4900.	* 1100.					0.33	* 4900.	*35000..
FERRO	MG/L		1.55		7.25	2.71	2.05					4.72	2.29	3.78.
MANGANES	MG/L		0.55		1.40	0.50	1.00					1.30	0.83	1.60.
NIQUEL	MG/L		0.61		ND	ND	0.01					ND	0.01	0.02.
CLORETO	MG/L		21.0		38.0	8.0	14.0					24.0	20.0	35.0.
O.G.O	MG/L		16.		40.	14.	15.					40.	27.	35..
SURFACT.	MG/L		0.65		0.17	0.10	0.09					0.16	0.15	0.33.
N.NITRATO	MG/L	10.0	2.94		4.17	4.08	4.97					5.40	3.00	0.83.
N.NITRITO	MG/L	1.0	0.16		0.07	0.12	0.03					0.07	* 2.40	0.49.
N.AMONIACAL	MG/L	0.5	* 2.70		* 24.0	* 1.70	* 3.50					* 8.80	* 23.0	* 8.00.
NITROGENIO	MG/L		3.60		30.0	2.50	4.20					13.0	44.0	9.80.
RES.FIXO	MG/L		184.		420.	183.	164.					396.	204.	430..
RES.VOLAT.	MG/L		57.		183.	61.	53.					108.	94.	77..
COLORACAO			PRETA		PRETA	PRETA	PRETA					PRETA	PRETA	PRETA.
CHUVAS			NAO		SIM	NAO	NAO					SIM	NAO	NAO.
VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DO CAPIVARI MONOS, JUNTO A EST. DE RECALQUE DA SABESP — ANO - 83

CODIGO DO LOCAL - GISP53CM2200 — CLASSE - 1 — BACIA - LITORAL SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 05/19.10	FEV 03/18.00	MAR 03/17.10	ABR 06/17.30	MAI 04/15.15	JUN 07/15.10	JUL 05/16.15	AGO 03/16.10	SET 01/16.25	OUT 04/15.15	NOV 07/17.50	DEZ 05/15.00
TEMP.AGUA GR.C		21.	21.	24.	20.	20.	16.	17.	14.	19.	20.	22.	23..
PH UNID.PH		5.7	6.3	5.7	6.3	5.6	6.9	6.2	6.0	6.2	6.0	6.9	7.4.
OX.DISSOL MG/L		6.3	6.8	6.8	6.0	7.2	7.6	7.2	9.7	7.9	8.8	7.2 *	4.6.
DBO(5,20) MG/L		2. *	14.	2.	5.	11. *	1.	2.	2.	1.	11.	1.	3..
CO.F.NMP/100ML		0.35 *	1.1 *	4.9 *	130. *	4.9 *	2.2	0.23 *	7.9	0.31	0.22	0.022	0.033.
N.TOTAL MG/L		0.35	0.79	0.27	0.44	0.74	0.46	0.64	0.30	1.25	0.54	0.80	0.25.
FOSF.TOT. MG/L		0.040	0.030	0.035	0.085	0.055	0.050	0.030	0.075	0.050	0.045	0.085	0.035.
RES.TOTAL MG/L		33.	56.	57.	878.	32.	49.	33.	48.	29.	27.	35.	34..
TURBIDEZ UNT		4.7	13.	15.	55.	6.0	20.	6.5	25.	5.5	5.8	7.9	4.5.
I.Q.A.		70.	61.	61.	42.	62.	69.	75.	60.	75.	76.	84.	76..
BARIO MG/L													
CADMIO MG/L													
CHUMBO MG/L													
COBRE MG/L													
CROMO MG/L													
ESTANHO MG/L													
MERCURIO MG/L													
ZINCO MG/L													
FENOL MG/L													
INDICE DE TOXIDEZ.													
TEMP.AR -GR.C		18.	19.	25.	20.	24.	18.	23.	12.	16.	21.	23.	24..
CO.T.NMP/100ML		1.7	4.9 *	13.	*G2400. *	17.	4.6	1.7 *	23.	4.9	3.3	0.33	4.6.
FERRO MG/L													
MANGANES MG/L													
NIQUEL MG/L													
CLORETO MG/L		3.6	4.3	7.1	5.8	4.0	2.8	4.2	4.8	6.0	3.6	3.0	4.0.
DUREZA MG/L		15.	176.	7.	42.	21.	25.	16.	20.	16.	11.	23.	15..
SURFACT. MG/L													
N.NITRATO MG/L		0.64	0.38	0.16	0.18	0.30	0.35	0.22	0.19	0.14	0.23	0.19	0.04.
N.NITRITO MG/L		LO.005	LO.005	LO.005	0.06	0.04	0.01	0.02	0.01	LO.005	0.01	0.01	LO.005.
N.AMONIACAL MG/L		0.01	0.15	0.03	0.08	0.05	0.06	0.02	0.08	0.02	0.04	0.15	0.02.
NI.ORGANICO MG/L		0.30	0.40	0.10	0.20	0.40	0.10	0.40	0.10	1.10	0.30	0.60	0.20.
RES.FIXO MG/L													
RES.VOLAT. MG/L													
COLORACAO		TURVA	TURVA	MARROM	MARROM	TURVA	MARROM	AMAREL	TURVA	AMAREL	AMAREL	TURVA	AMAREL.
CHUVAS		SIM	SIM	NAO	SIM	NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO.
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO JUQUIA, PONTE NA RODOVIA BR-116, EM JUQUITIBA ANO - 83

CODIGO DO LOCAL - 00SP54JQ2500 CLASSE - 1 BACIA - RIBEIRA DE IGUAPE

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT ($) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC 8468	JAN 04/08.20	FEV 03/13.00	MAR 04/12.35	ABR MAI 06/11.25	JUN JUL 01/12.20	AGO SET 09/13.45	OUT NOV	DEZ
TEMP. AGUA GR.C		22.	23.	23.	18.	19.	21.		
PH UNID.PH		5.9	5.2	6.2	7.8	6.8	6.0		
OX. DISSOL MG/L		7.5	7.5	8.8	9.5	8.5	8.3		
DBO(5,20) MG/L		1.	1.	1.	1.	1.	1.		
CO. F. NMP/100ML		* 4.5	0.008	0.79	0.049	0.24	0.79		
N. TOTAL MG/L		1.00	0.25	0.29	0.09	0.47	0.49		
FOSF. TOT. MG/L		0.230	0.035	0.080	0.020	0.320	0.140		
RES. TOTAL MG/L		43.	62.	44.	19.	26.	44.		
TURBIDEZ UNT		30.	30.	17.	3.8	3.5	5.4		
I.Q.A.		66.	75.	71.	84.	77.	72.		
BARIO MG/L									
CADMIO MG/L									
CROMO MG/L									
COBRE MG/L									
CROMO MG/L									
ESTANHO MG/L									
MERCURIO MG/L									
ZINCO MG/L									
FENOL MG/L									
INDICE DE TOXIDEZ.									
TEMP. AR GR.C		23.	29.	28.	20.	20.	27.		
CO. F. NMP/100ML		4.5	0.049	2.4	0.24	2.4	0.79		
FERRO MG/L									
MANGANES MG/L									
NIQUEL MG/L									
CLORETO MG/L		4.0	6.0	6.0	4.0	4.0	4.0		
DUREZA MG/L		14.	20.	6.	13.	4.	6.		
SURFACT. MG/L									
N. NITRATO MG/L		0.18	0.14	0.23	0.02	0.16	L0.005		
N. NITRITO MG/L		0.62	L0.005	0.01	0.02	L0.005	0.18		
N. AMONIACAL MG/L		0.31	0.05	0.02	0.04	0.11	0.19		
NI. KJELD. MG/L		0.80	0.10	L0.05	L0.05	0.30	0.30		
RES. FIXO MG/L									
RES. VOLAT. MG/L									
COLORACAO		TURVA	AMARELA	MARROM	VERDE	VERDE	TURVA		
CHUVAS		NAO	SIM	SIM	SIM	SIM	NAO		
VAZAO MEDIA M3/S		7.60	18.1	14.9	6.81	6.68	7.04		
DIARIA									

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO RIBEIRA, 3KM DE ITACCA, NA ESTRADA DA BALSA, MUN. DE APIAI — ANO - 83

CODIGO DO LOCAL - CQSP04R82020 — CLASSE - 2 — BACIA - RIBEIRA DE IGUAPE

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 05/04.30	FEV 02/04.40	MAR	ABR 03/04.00	MAI	JUN	JUL 03/05.00	AGO	SET 04/04.30	OUT 08/04.30	NOV	DEZ.
.TEMP.AGUA GR.C			26.	25.		25.			13.		23.	23.		
.PH UNID.PH			6.6	6.8		6.8			7.3		7.2	7.2		
.OX.DISSOL	MG/L	5	8.1	7.6		9.1			8.2			6.2		
.DBO(5,20)	MG/L	5	1.	1.		2.			1.		2.	1.		
.CO.F.NMP/100ML		1000	* 79.	* 70.		* 5.			* L2.		* 2.6	* 7.9		
.N.TOTAL	MG/L		0.61	1.87		0.33			0.36		0.48	0.39		
.FOSF.TOT.	MG/L		L0.020	0.020		0.085			0.028		0.028	L0.020		
.RES.TOTAL	MG/L		138.	275.		87.			83.		116.	92.		
.TURBIDEZ	UNT		25.	120.		10.			16.		30.	40.		
		I.Q.A.	54.	45.		66.			69.			61.		
.BARIO	MG/L	1.0	0.07	0.07		0.02			L0.02		L0.50	L0.50		
.CADMIO	MG/L	0.01	ND	ND		ND			ND		ND	ND		
.CHUMBO	MG/L	0.1	0.01	ND		ND			ND		ND	ND		
.COBRE	MG/L	1.0	0.02	0.04		ND			0.01		ND	ND		
.CROMO	MG/L	0.05	0.01	0.01		ND			ND		ND	ND		
.ESTANHO	MG/L	2.0	ND	ND		ND			ND		ND	ND		
.MERCURIO	MG/L	0.002	L.0002	L.0002		L.0002			L.0002		L.0002	L.0002		
.ZINCO	MG/L	5.0	0.04	0.03		0.03			0.01		0.01	0.01		
.FENOL	MG/L	0.001	0.0010	L0.001		0.0010			$0.0020			$0.0030		
INDICE DE TOXIDEZ.			1	1		1			0			0		
.TEMP.AR -GR.C			21.	27.		27.			10.		23.	29.		
.CO.T.NMP/100ML		5000	* 136.	* 280.		* 13.			L2.		* 11.	* 7.9		
.FERRO	MG/L		3.62	20.0		1.96			2.25		2.58	3.54		
.MANGANES	MG/L		0.12	1.20		0.09			0.09		0.07	0.07		
.NITROGEL	MG/L		0.01	0.06		ND			0.01		0.01	0.01		
.CLORETO	MG/L		1.0	1.5		1.0			2.5		2.0	2.0		
.O.G.O	MG/L		5.	41.		8.			6.		22.	17.		
.SURFACT.	MG/L		0.05	0.12		0.05			0.11		0.08	L0.04		
.N.NITRATO	MG/L	10.0	0.69	0.03		L0.02			0.10		0.07	0.08		
.N.NITRITO	MG/L	1.0	L0.01	0.01		L0.01			L0.01		0.01	L0.01		
.N.AMONIACAL	MG/L	0.5	L0.05	0.13		0.05			L0.05		L0.05	L0.05		
.NITROGEN.	MG/L		0.51	1.83		0.30			0.25		0.40	0.30		
.RES.FIXO	MG/L		127.	229.		58.			47.		81.	63.		
.RES.VOLAT.	MG/L		11.	46.		29.			36.		35.	29.		
.COLORACAO			MARROM	MARROM		MARROM			MARROM		MARROM	MARROM		
.CHUVAS			SIM	SIM		NAO			NAO		SIM	NAO		
.VAZAO .MEDIA .DIARIA	M3/S		142.	222.										165.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIG RIBEIRA DE IGUAPE, PONTE NA RODOVIA BR-116, EM REGISTRO ANO - 83

CODIGO DO LOCAL - GGSP54RI2100 CLASSE - 2 BACIA - RIBEIRA DE IGUAPE

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC84e8	JAN 04/18.45	FEV 02/11.00	MAR 03/09.15	ABR 06/09.05	MAI 04/09.30	JUN	JUL 06/09.37	AGO 03/10.40	SET 01/08.50	OUT 05/06.30	NOV 09/09.00	DEZ 06/10.00
TEMP.AGUA	GR.C		26.	20.	25.	22.	22.		19.	17.	20.	20.	22.	22.
PH	UNID.PH		6.4	6.7	6.9	5.5	6.0		6.0	7.6	5.5	7.7	6.6	6.3
OX.DISSOL	MG/L	5	6.9	6.2	6.9	7.2	8.0		7.7	9.1	7.7	8.7	6.8	6.2
DBO(5,20)	MG/L	5	2.	1.	2.	1.	1.		1.	1.	1.	1.	1.	2.
COL.F.NMP/100ML		1000	* 1.3	* 13.	0.013	* 24.	* 79.		* 220.	* 22.	* 17.	* 3.3	* 240.	* 17.
N.TOTAL	MG/L		0.78	1.05	0.35	0.43	0.41		0.19	0.78	0.39	0.88	0.71	2.43
FOSF.TOT.	MG/L		0.170	0.165	0.175	0.070	0.110		0.095	0.065	0.675	0.400	0.220	0.175
RES.TOTAL	MG/L		146.	181.	253.	86.	115.		138.	114.	101.	123.	118.	86.
TURBIDEZ	UNT		66.	85.	75.	24.	42.		51.	33.	22.	35.	33.	2.0
	I.Q.A.		63.	53.	75.	54.	53.		48.	59.	52.	64.	51.	57.
BARIO	MG/L	1.0	0.63	0.08	0.07	L0.02	0.04		0.05	L0.02	L0.02	L0.50	L0.50	L0.50
CALCIO	MG/L	0.01	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.1	0.01	0.02	0.01	ND	0.01		0.01	0.01	ND	ND	ND	ND
COBRE	MG/L	1.0	0.01	0.04	0.02	ND	0.01		0.01	0.01	0.01	0.01	ND	ND
CROMO	MG/L	0.05	0.01	0.02	0.01	ND	0.01		ND	ND	0.01	ND	0.01	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	L0.001	0.03	0.01	L0.001	0.01		0.02	0.02	0.02	0.05	0.01	0.01
FENOL	MG/L	0.001	L0.001	$0.0000	0.0010	L0.001	$0.0040		0.0010	L0.001	L0.001	L0.001	0.0010	0.0010
INDICE DE TOXIDEZ			1	0	1	1	0		1	1	1	1	1	1
TEMP.AR	GR.C		30.	24.	28.	26.	25.		22.	16.	19.	21.	25.	26.
COL.T.NMP/100ML		5000	2.4	* 23.	0.033	* 79.	* 79.		* 540.	* 79.	* 33.	* 7.9	* 920.	* 46.
FERRO	MG/L		4.54	7.66	7.14	2.80	4.32		7.10	5.54	1.57	3.86	3.01	2.28
MANGANES	MG/L		0.15	0.20	0.25	0.10	0.12		1.20	0.12	0.05	0.16	0.10	0.07
NIQUEL	MG/L		0.02	0.07	0.03	ND	0.01		0.01	0.01	0.01	0.01	0.01	ND
CLORETO	MG/L		2.0	4.0	5.0	3.0	5.0		3.0	3.0	3.0	4.0	3.0	L5.0
DUREZA	MG/L		12.	16.	19.	8.	14.		9.	6.	12.	15.	9.	15.
SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04		L0.04	L0.04	L0.04	0.08	L0.04	L0.04
N.NITRATO	MG/L	10.0	0.25	0.24	0.24	0.22	0.31		0.08	0.26	0.18	0.27	0.30	0.12
N.NITRITO	MG/L	1.0	0.03	L0.005	L0.005	L0.005	0.05		L0.005	0.02	L0.005	0.01	L0.005	L0.005
N.AMONIACO	MG/L	0.5	0.03	0.12	0.07	0.15	0.04		0.08	L0.005	0.09	0.23	0.15	0.26
N.ALBUMINOI	MG/L		0.50	0.80	0.10	0.20	L0.05		0.10	0.50	0.20	0.60	0.40	2.30
RES.FIXO	MG/L		121.	137.	210.	64.	82.		116.	84.	85.	98.	78.	54.
RES.VOLAT.	MG/L		25.	44.	43.	24.	33.		22.	30.	16.	25.	40.	32.
COLORACAO			AMAREL	VERMEL	AMAREL	TURVA	TURVA		TURVA	TURVA	TURVA	MARROM	TURVA	TURVA
CHUVAS			NAO	SIM	SIM	SIM	SIM		NAO	NAO	SIM	NAO	NAO	SIM
VAZAO	M3/S		475.	902.	968.	546.	646.		997.	671.	452.	669.	565.	620.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - REPRESA DO JAGUARI, PONTE NA RODOVIA SANTA ISABEL-IGARATA ANO - 83

CODIGO DO LOCAL - 01SP01JG2020 CLASSE - 1 BACIA - PARAIBA DO SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE 2 (**) DO IT (&) DA CLASSE 2 E DO IT

PARAMETROS	PADROES DEC8468	JAN 05/16.00	FEV 02/16.00	MAR 04/17.20	ABR 06/16.00	MAI 05/15.20	JUN 03/11.15	JUL	AGO	SET	OUT	NOV	DEZ.
.TEMP.AGUA GR.C		23.	26.	23.	20.	20.	24.						
.PH UNID.PH		7.4	6.8	7.4	6.0	5.3	7.1						
.OXI.DISSOL MG/L		8.0	6.6	8.1	6.4	6.8	8.0						
.DBO(5,20) MG/L		3.	2.	4.	1.	2.	2.						
.COL.F.NMP/100ML		* 3.3	* 5.4	0.23	0.13	0.2	0.4						
.N.TOTAL MG/L		0.65	0.39	0.64	0.39	0.45	0.31						
.FOSF.TOT. MG/L		0.057	LO.012	LO.012	LO.012	LO.012	LO.012						
.RES.TOTAL MG/L		48.	47.	46.	34.	29.	49.						
.TURBIDEZ UNT		7.8	5.2	3.3	2.7	2.5	5.5						
	I.Q.A.	68.	66.	77.	76.	68.	77.						
.BARIO MG/L													
.CADMIO MG/L													
.CHUMBO MG/L													
.COBRE MG/L													
.CROMO MG/L													
.ESTANHO MG/L													
.MERCURIO MG/L													
.ZINCO MG/L													
.FENOL MG/L													
INDICE DE TOXIDEZ.													
.TEMP.AR -GR.C		23.	28.	24.	17.	19.	24.						
.COL.T.NMP/100ML		4.9	* 5.4	0.33	1.1	1.3	2.3						
.FERRO MG/L													
.MANGANES MG/L													
.NIQUEL MG/L													
.CLORETO MG/L		1.6	3.5	0.8	0.8	1.1	1.4						
.D.B.O MG/L		14.	10.	24.	8.	5.	12.						
.SURFACT. MG/L													
.N.NITRATO MG/L		0.67	LO.03	0.12	0.09	0.06	0.06						
.N.NITRITO MG/L		LO.61	LO.01	LO.01	LO.01	LO.01	LO.01						
.N.AMONIACO MG/L		0.31	LO.04	0.14	0.06	0.12	0.08						
.N.KJELD. MG/L		0.57	0.35	0.51	0.29	0.38	0.24						
.RES.FIXO MG/L													
.RES.VOLAT.MG/L													
.COLORACAO		AZUL	AZUL	VERDE	VERDE	AZUL	VERDE						
.CHUVAS		SIM	NAO	NAO	NAO	SIM	NAO						
.VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARAIBA, PONTE NA RODOVIA SANTA BRANCA-JACAREI ANO - 83

CODIGO DO LOCAL - 00SP61PA2020 CLASSE - 2 BACIA - PARAIBA DO SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DBC8468	JAN 05/14.45	FEV 02/15.40	MAR 02/14.50	ABR 06/15.20	MAI 04/15.50	JUN 08/14.40	JUL 06/14.00	AGO 03/14.00	SET 05/16.50	OUT 05/11.25	NOV 03/12.20	DEZ 05/16.50
TEMP.AGUA GR.C		23.	24.	25.	24.	25.	21.	20.	19.	20.	20.	24.	22.
PH UNID.PH		7.5	6.9	6.9	7.1	7.4	6.4	5.5	6.2	6.2	6.0	7.0	5.9.
OX.DISSOL MG/L	5	7.9	8.1	7.7	8.3	8.5	8.5	9.3	9.5	8.9	9.0	8.7	8.8.
DBO(5,20) MG/L	5	1.	1.	2.	1.	1.	2.	1.	1.	3.	1.	1.	1.
CO.F.NMP/100ML	1000	0.49	0.49	0.33 *	7.9	0.079	0.49	0.17	0.079	0.79	0.07	0.7	0.33.
N.TOTAL MG/L		1.11	0.30	0.39	0.63	0.96	0.63	0.58	0.42	0.38	0.59	0.73	0.73.
FOSF.TOT. MG/L		0.045	L0.012	L0.012	0.017	L0.012	0.166	L0.012	L0.012	L0.012	0.022	L0.012	L0.012.
RES.TOTAL MG/L		77.	52.	51.	76.	48.	39.	44.	32.	39.	40.	37.	34.
TURBIDEZ UNT		40.	19.	8.8	22.	7.0	11.	10.	4.5	2.7	9.0	9.1	5.5.
I.Q.A.		73.	75.	77.	65.	82.	73.	72.	80.	72.	79.	75.	74.
BARIO MG/L	1.0	0.03	0.05	0.04	L0.02	L0.02	L0.02	0.05	L0.02	L0.02	L0.50	L0.50	L0.50.
CADMIO MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE MG/L	1.0	0.01	0.01	ND	ND	ND	ND	0.01	0.01	ND	ND	ND	ND.
CROMO MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0003	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO MG/L	5.0	0.02	0.01	0.02	0.01	0.04	0.01	0.01	0.01	0.02	L0.001	0.03	0.01.
FENOL MG/L	0.001	L0.001	L0.001	$0.0020	L0.001	0.0010	L0.001	L0.001	$0.0030	$0.0040	0.0010	L0.001	L0.001.
INDICE DE TOXIDEZ.		1	1	0	1	1	1	1	0	0	1	1	1
TEMP.AR -GR.C		23.	24.	30.	22.	27.	26.	20.	14.	19.	26.	26.	26.
CO.T.NMP/100ML	5000	2.4	2.4	0.33 *	24.	0.23	1.7	0.49	0.33	1.1	0.33	1.1	0.33.
FERRO MG/L		5.52	1.48	0.77	2.43	0.68	0.87	0.68	0.51	0.26	0.76	1.05	0.70.
MANGANES MG/L		0.05	0.10	0.02	0.24	0.07	0.06	0.04	0.04	0.01	0.04	0.11	0.13.
NIQUEL MG/L		0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CLORETO MG/L		1.0	2.0	4.0	1.9	0.8	1.2	0.9	1.4	1.4	0.4	1.8	0.8.
DUREZA MG/L		5.	5.	8.	6.	14.	6.	2.	8.	5.	11.	8.	6.
SURFACT. MG/L		L0.04	L0.04	0.05	0.09	L0.04	0.04	L0.04	0.13	L0.04	0.06	L0.04	L0.04.
N.NITRATO MG/L	10.0	0.14	0.05	0.05	0.09	0.20	0.06	0.13	0.07	0.08	0.12	0.08	0.11.
N.NITRITO MG/L	1.0	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01.
N.AMONIACAL MG/L	0.5	0.48	L0.04	0.06	0.09	0.36	0.33	L0.04	0.15	0.08	0.11	0.20	0.24.
N.KJELDA. MG/L		0.96	0.20	0.33	0.53	0.75	0.56	0.44	0.34	0.29	0.46	0.64	0.61.
RES.FIXO MG/L		56.	41.	34.	55.	28.	28.	28.	20.	25.	25.	26.	29.
RES.VOLAT. MG/L		27.	11.	17.	21.	20.	11.	16.	12.	14.	15.	11.	5.
COLORACAO		VERMEL	TURVA	TURVA	TURVA	VERDE	TURVA	VERDE	VERDE	VERDE	VERDE	VERDE	VERDE.
CHUVAS		SIM	SIM	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO	NAO	NAO.
VAZAO INSTAN. M3/S		55.0	55.0	77.0	300.	160.	180.	170.	128.	63.0	170.	155.	150.
TANEA													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARAIBA, PROXIMO A ANTIGA CAPTACAO DE SAO JOSE DOS CAMPOS — ANO - 83

CODIGO DO LOCAL - 02SP61PA2098 — CLASSE - 2 — BACIA - PARAIBA DO SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 05/13.30	FEV 02/14.30	MAR 02/13.50	ABR 06/14.00	MAI 04/14.50	JUN 08/13.30	JUL 06/12.50	AGO 03/11.30	SET 05/13.00	OUT 05/10.15	NOV 03/10.00	DEZ. 05/14.50.
.TEMP.AGUA	GR.C		24.	24.	25.	24.	24.	21.	21.	19.	19.	20.	21.	25..
.PH	UNID.PH		7.0	6.5	6.6	6.7	6.9	6.2	5.6	6.0	5.8	5.9	6.6	6.0.
.OX.DISSOL	MG/L	5	* 4.3	5.7	5.0	5.7	5.4	7.3	7.5	7.6	7.5	7.7	7.3	9.2.
.DBO(5,20)	MG/L	5	2.	1.	2.	1.	2.	2.	2.	1.	2.	1.	2.	1..
.CO.F.NMP/	100ML	1000	* 7.	* 110.	* 79.	* 3.3	* 4.9	* 2.3	* 2.3	* 7.9	* 49.	* 3.3	* 17.	* 4.9.
.N.TOTAL	MG/L		1.20	0.91	1.00	0.74	0.78	0.73	0.69	0.71	0.83	0.77	1.46	0.55.
.FOSF.TOT.	MG/L		0.107	0.087	0.057	0.054	0.045	0.134	0.081	0.048	0.069	0.097	0.060	0.039.
.RES.TOTAL	MG/L		135.	177.	101.	88.	93.	147.	90.	57.	73.	95.	96.	71..
.TURBIDEZ	UNT		54.	90.	23.	32.	28.	70.	23.	18.	22.	21.	32.	22..
	I.Q.A.		54.	46.	53.	64.	62.	60.	62.	62.	53.	63.	58.	63..
.BARIO	MG/L	1.0	0.07	0.07	0.04	LO.02	LO.02	0.05	0.05	LO.02	0.05	LO.50	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.02	0.01	ND	0.02	0.01	0.01	0.01	ND	ND	0.01	ND.
.CROMO	MG/L	0.05	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	$0.0032	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.05	0.09	0.02	0.03	0.03	0.05	0.03	0.40	0.05	0.02	0.02	0.01.
.FENOL	MG/L	0.001	0.0010	LO.001	$0.0020	LO.001	LO.001	$0.0130	LO.001	$0.0020	$0.0040	0.0010	$0.0020	LO.001.
INDICE DE TOXIDEZ.			1	1	0	1	1	0	1	0	0	0	0	1 .
.TEMP.AR	-GR.C		23.	23.	30.	22.	25.	26.	25.	14.	20.	25.	24.	28..
.CO.T.NMP/	100ML	5000	* 33.	* 350.	* 79.	3.3	* 49.	* 23.	* 13.	* 13.	* 49.	* 13.	* 130.	* 33..
.FERRO	MG/L		3.36	6.22	2.05	2.04	2.00	5.64	1.81	1.42	1.50	1.42	2.62	1.81.
.MANGANES	MG/L		0.25	0.22	0.17	0.09	0.13	0.16	0.13	0.14	0.18	0.10	0.27	0.12.
.NIQUEL	MG/L		0.01	0.02	0.01	ND	0.01	0.01	ND	0.01	0.01	0.01	0.01	ND.
.CLORETO	MG/L		10.9	7.1	7.3	5.4	3.9	2.8	2.8	3.3	4.7	2.4	4.4	3.2.
.DUREZA	MG/L		16.	15.	12.	9.	11.	14.	12.	10.	9.	26.	12.	9..
.SURFACT.	MG/L		LO.04	0.05	0.06	0.07	LO.04	0.06	0.04	0.07	0.08	0.07	LO.04	LO.04.
.N.NITRATO	MG/L	10.0	0.24	0.12	0.06	0.07	0.21	0.07	0.10	0.12	0.09	0.15	0.15	0.14.
.N.NITRITO	MG/L	1.0	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01.
.N.AMONIACAL	MG/L	0.5	0.38	0.11	0.15	0.11	0.15	0.15	0.08	0.14	0.06	0.15	0.28	0.15.
.N.KJELDAL	MG/L		0.95	0.78	0.93	0.66	0.56	0.65	0.58	0.58	0.73	0.61	1.30	0.40.
.RES.FIXO	MG/L		99.	137.	70.	66.	65.	118.	66.	46.	55.	73.	76.	59..
.RES.VOLAT.	MG/L		36.	40.	31.	22.	28.	29.	24.	11.	18.	22.	20.	12..
.COLORACAO			VERMEL	AMAREL	AMAREL	TURVA	TURVA	AMAREL	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA.
.CHUVAS			SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO	NAO	NAO.

.VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARAIBA, PONTE NA RUA DO PORTO, EM CACAPAVA — ANO - 83

CODIGO DO LOCAL - 00SP[e1]PA2180 — CLASSE - 2 — BACIA - PARAIBA DO SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (S) DA CLASSE E DO I.T

PARAMETROS		PADROES DEC8468	JAN 05/12.40	FEV 02/13.30	MAR 02/12.30	ABR 06/13.00	MAI 04/13.00	JUN 08/12.00	JUL 06/11.50	AGO 03/10.00	SET 05/12.00	OUT 05/09.00	NOV 03/09.00	DEZ 05/13.30
.TEMP.AGUA GR.C			24.	24.	25.	24.	24.	20.	21.	19.	19.	20.	21.	25..
.PH UNID.PH			7.1	6.4	6.6	6.8	6.8	6.5	5.7	6.0	5.7	5.8	6.8	5.5.
.OX.DISSOL	MG/L	5	5.2	5.1 *	4.8	5.5	6.2	6.6	7.4	7.2	6.7	6.9	7.5	7.6.
.DBO(5,20)	MG/L	5	1.	2.	1.	2.	1.	1.	1.	1.	2.	1.	1.	1..
.CO.F.NMP/100ML		1000	* 13.	* 33.	* 13.	* 3.3	* 13.	* 7.9	* 33.	0.11	* 14.	* 33.	* 4.9	* 17..
.N.TOTAL	MG/L		1.48	1.02	0.94	0.95	1.08	1.71	1.28	1.08	1.14	0.91	1.20	0.60.
.FOSF.TOT.	MG/L		0.164	0.187	0.107	0.051	0.120	0.134	0.141	0.087	0.123	0.054	0.042	0.048.
.RES.TOTAL	MG/L		117.	178.	147.	90.	118.	214.	96.	77.	129.	105.	75.	78..
.TURBIDEZ	UNT		53.	82.	47.	29.	38.	120.	37.	25.	55.	30.	29.	32..
	I.Q.A.		56.	49.	55.	63.	59.	49.	52.	73.	52.	54.	65.	55..
.BARIO	MG/L	1.0	0.03	0.07	0.04	L0.02	0.03	0.05	0.05	L0.02	0.03	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.01	0.01	0.04	0.01	0.01	0.03	0.02	ND	ND	ND	ND.
.CROMO	MG/L	0.05	ND	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.04	0.10	0.04	0.02	0.04	0.07	0.06	0.03	0.06	0.02	0.04	0.02.
.FENOL	MG/L	0.001	L0.001	L0.001	L0.001	L0.001	0.0010	L0.001	L0.001	$0.0050	$0.0020	0.0010	L0.001	L0.001.
INDICE DE TOXIDEZ.			1	1	1	1	1	1	1	0	0	1	1	1 .
.TEMP.AR GR.C			23.	23.	29.	22.	27.	24.	27.	14.	19.	24.	23.	28..
.CO.T.NMP/100ML		5000	* 23.	* 79.	* 24.	3.3	* 70.	* 49.	* 33.	0.49	* 79.	* 130.	* 130.	* 49..
.FERRO	MG/L		3.92	5.96	4.85	2.60	3.03	8.98	2.72	1.68	3.26	2.16	2.25	2.24.
.MANGANES	MG/L		0.17	0.16	0.14	0.10	0.13	0.16	0.10	0.08	0.08	0.08	0.12	0.09.
.NIQUEL	MG/L		0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.02	0.01	ND	ND	ND.
.CLORETO	MG/L		6.6	5.0	6.0	4.1	3.4	2.2	4.3	2.2	3.6	1.8	3.8	2.5.
.DUREZA	MG/L		8.	30.	14.	24.	16.	14.	8.	24.	11.	22.	16.	8..
.SURFACT.	MG/L		L0.04	L0.04	0.05	0.07	0.04	L0.04	0.04	0.11	0.09	0.09	0.28	L0.04.
.N.NITRATO	MG/L	10.0	0.20	0.11	0.08	0.07	0.25	0.10	0.32	0.14	0.16	0.13	0.09	0.11.
.N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01.
.N.AMONIACAL	MG/L	0.5	0.37	0.13	0.30	0.23	0.29 *	0.68	0.13	0.22	0.42	0.25	0.25	0.15.
.NITROGENIO.	MG/L		0.87	0.90	0.85	0.87	0.82	1.60	0.95	0.93	0.97	0.77	1.10	0.48.
.RES.FIXO	MG/L		87.	145.	108.	66.	86.	181.	72.	60.	103.	82.	63.	66..
.RES.VOLAT.	MG/L		30.	33.	39.	24.	32.	33.	24.	17.	26.	23.	12.	12..
.COLORACAO			VERMEL	AMAREL	AMAREL	TURVA	TURVA	AMAREL	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA.
.CHUVAS			SIM	SIM	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARAIBA, PONTE NO BAIRRO DOS PUTINS, EM APARECIDA DO NORTE ANO - 83

CODIGO DO LOCAL - 00SR61PA2310 CLASSE - 2 BACIA - PARAIBA DO SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 05/10.00	FEV 02/10.55	MAR 02/10.00	ABR 06/10.20	MAI 04/08.20	JUN 08/10.18	JUL 06/09.10	AGO 03/11.50	SET 05/09.20	OUT 05/16.00	NOV 03/12.10	DEZ 05/10.30
TEMP.AGUA	GR.C		24.	25.	26.	24.	23.	20.	20.	18.	19.	23.	23.	24..
PH	UNID.PH		6.9	6.4	7.6	6.8	6.7	5.9	5.3	6.2	5.8	6.5	5.8	5.9.
OX.DISSOL	MG/L	5	5.2	5.1	7.8	5.7	6.9	5.2	6.6	8.4	6.7	6.2	5.8	6.3.
DBO(5,20)	MG/L	5	2.	3.	1.	1.	1.	1.	1.	2.	2.	1.	1.	1..
CO.F.NMP/100ML		1000	* 49.	* 22.	* 22.	* 4.9	* 7.9	* 2.2	* 3.3	* 7.9	* 33.	* 7.9	* 4.6	* 23..
N.TOTAL	MG/L		1.22	0.88	0.77	0.77	0.85	1.02	0.71	0.86	0.82	0.71	1.00	0.72.
FOSF.TOT.	MG/L		0.127	0.081	0.078	0.045	0.094	0.141	0.113	0.075	0.127	0.127	0.081	0.097.
RES.TOTAL	MG/L		176.	160.	179.	85.	112.	165.	114.	112.	123.	119.	154.	142..
TURBIDEZ	UNT		76.	67.	56.	38.	37.	130.	40.	38.	40.	44.	78.	59..
	I.Q.A.		56.	50.	57.	62.	62.	49.	57.	60.	51.	60.	55.	53..
CARB	MG/L	1.0	0.07	0.07	0.04	LO.02	0.03	0.05	0.05	LO.02	0.05	LO.50	LO.50	LO.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	0.01	0.01	0.01	ND	0.01	0.01	0.01	ND	ND	0.01	0.01.
CROMO	MG/L	0.05	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.04	0.06	0.04	0.02	0.03	0.03	0.04	0.03	0.10	0.03	0.06	0.04.
FENOL	MG/L	0.001	$0.0020	0.0016	$0.0040	LO.001	$0.0050	LO.001	LO.001	0.0010	$0.0060	0.0010	LO.001	LO.001.
INDICE DE TOXIDEZ.			0	1	0	1	0	1	1	1	0	1	1	1.
TEMP.AR	-GR.C		26.	24.	27.	21.	20.	22.	19.	17.	20.	28.	28.	29..
CO.T.NMP/100ML		5000	* 46.	* 46.	* 49.	* 13.	* 33.	* 49.	* 23.	* 23.	* 79.	* 11.	* 130.	* 33..
FERRO	MG/L		6.98	8.46	4.64	2.63	3.11	6.90	4.96	3.57	3.51	3.17	6.00	4.34.
MANGANES	MG/L		0.11	0.18	0.11	0.09	0.08	0.07	0.11	0.10	0.20	0.07	0.13	0.12.
NIQUEL	MG/L		0.01	0.02	0.01	ND	ND	0.01	0.01	0.01	0.01	0.01	0.02	0.01.
CLORETO	MG/L		5.5	4.6	5.0	4.7	3.2	2.9	2.9	4.2	4.3	1.8	4.1	3.8.
SULFATO	MG/L		13.	25.	17.	10.	9.	14.	10.	15.	13.	19.	19.	12..
SURFACT.	MG/L		LO.04	LO.04	0.05	0.10	LO.04	0.08	0.04	0.11	0.09	0.04	LO.04	0.04.
N.NITRATO	MG/L	10.0	0.24	0.11	0.11	0.11	0.26	0.11	0.10	0.13	0.19	0.16	0.15	0.20.
N.NITRITO	MG/L	1.0	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01	LO.01.
N.AMONIACAL	MG/L	0.5	0.33	0.13	0.19	0.14	0.17	0.30	0.17	0.39	0.10	0.12	0.17	0.17.
NITROGENIO	MG/L		0.97	0.76	0.65	0.65	0.58	0.90	0.60	0.72	0.62	0.54	0.83	0.51.
RES.FIXO	MG/L		133.	125.	135.	72.	82.	140.	82.	95.	104.	96.	126.	120..
RES.VOLAT.	MG/L		43.	35.	44.	13.	30.	25.	32.	17.	19.	23.	28.	22..
COLORACAO			VERMEL	AMAREL	AMAREL	TURVA	TURVA	AMAREL	TURVA	TURVA	TURVA	TURVA	AMAREL	TURVA.
CHUVAS			NAO	SIM	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO	NAO	NAO.
VAZAO INSTAN TANEA	M3/S		148.	256.	233.	252.	278.	516.	302.	238.	167.	341.	268.	249..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARAIBA, PONTE EM FRENTE A PREFEITURA, NA CIDADE DE QUELUZ ANO - 83

CODIGO DO LOCAL - 00SA61PA2490 CLASSE - 2 BACIA - PARAIBA DO SUL

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 05/08.40	FEV 02/09.40	MAR 02/08.20	ABR 06/09.00	MAI 04/10.00	JUN 08/08.45	JUL 06/07.40	AGO 03/10.30	SET 05/07.40	OUT 05/14.30	NOV 03/10.30	DEZ 05/08.40
TEMP.AGUA	GR.C		23.	25.	25.	24.	23.	20.	19.	19.	19.	23.	23.	24.
PH	UNID.PH		7.1	6.8	6.8	7.1	7.1	6.1	5.4	6.4	5.6	6.7	5.7	5.8
OX.DISSOL	MG/L	5	6.6	6.5	6.7	6.8	6.6	6.7	7.8	8.0	7.8	7.3	7.2	7.5
DBO(5,20)	MG/L	5	1.	2.	3.	1.	1.	1.	2.	2.	2.	1.	2.	1.
CO.F.NMP/100ML		1000	* 13.	* 7.9	* 23.	* 23.	* 7.9	* 7.9	* 23.	* 13.	* 28.	* 11.	* 33.	* 7.9
N.TOTAL	MG/L		1.68	1.41	1.11	0.88	0.72	1.07	0.77	0.90	0.81	0.84	1.11	0.89
FOS.TOT.	MG/L		0.144	0.054	0.107	0.048	0.120	0.028	0.104	0.081	0.148	0.100	0.091	0.100
RES.TOTAL	MG/L		168.	127.	206.	100.	111.	159.	114.	102.	175.	126.	469.	134.
TURBIDEZ	UNT		68.	51.	50.	33.	41.	90.	36.	34.	59.	50.	190.	56.
	I.Q.A.		57.	60.	55.	59.	62.	55.	52.	59.	50.	59.	41.	57.
BARIO	MG/L	1.0	0.07	0.05	0.04	0.05	0.05	0.07	0.05	L0.02	0.07	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.1	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND
COBRE	MG/L	1.0	0.01	0.01	0.01	ND	0.01	0.01	0.01	0.01	0.01	0.01	0.03	ND
CROMO	MG/L	0.05	0.01	0.01	0.01	ND	ND	0.01	ND	ND	ND	ND	0.02	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	0.0004	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	0.04	0.03	0.02	0.02	0.04	0.06	0.05	0.03	0.07	0.02	0.05	0.03
FENOL	MG/L	0.001	$0.0030	L0.001	$0.0020	L0.001	L0.001	L0.001	L0.001	$0.0020	$0.0020	0.0010	L0.001	L0.001
INDICE DE TOXIDEZ.			G	L	G	L	L	L	L	G	G	L	L	L
TEMP.AR	-GR.C		23.	22.	25.	21.	22.	20.	16.	17.	19.	29.	27.	27.
CO.T.NMP/100ML		5000	* 23.	* 23.	* 23.	* 33.	* 33.	* 23.	* 33.	* 33.	* 130.	* 14.	* 49.	* 23.
FERRO	MG/L		6.72	5.30	6.60	3.17	3.68	8.78	4.08	2.56	6.02	5.00	25.0	4.99
MANGANES	MG/L		0.10	0.13	0.12	0.09	0.10	0.12	0.10	0.09	0.13	0.08	0.30	0.12
NIQUEL	MG/L		0.02	0.02	0.03	0.01	ND	0.01	0.01	0.01	0.01	0.01	0.06	ND
CLORETO	MG/L		4.3	4.0	6.1	4.7	2.2	2.7	3.3	3.6	4.3	1.4	3.6	3.6
DUREZA	MG/L		16.	20.	15.	12.	13.	22.	16.	18.	18.	27.	38.	16.
SURFACT.	MG/L		L0.04	L0.04	L0.04	0.07	L0.04	0.10	L0.04	0.08	0.05	0.05	L0.04	0.04
N.NITRATO	MG/L	10.0	0.18	0.10	0.12	0.14	0.31	0.08	0.16	0.13	0.07	0.17	0.10	0.14
N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01
N.AMONIACO	MG/L	0.5	0.26	0.14	0.14	0.09	0.09	0.32	0.12	0.33	0.14	0.17	0.21	0.15
NI.SOLUBL.	MG/L		0.89	1.30	0.98	0.73	0.40	0.98	0.60	0.76	0.73	0.66	1.00	0.74
RES.FIXO	MG/L		128.	103.	163.	77.	81.	139.	86.	81.	139.	98.	395.	113.
RES.VOLAT.	MG/L		40.	24.	43.	23.	30.	20.	28.	21.	36.	28.	74.	21.
COLORACAO			VERMEL	AMAREL	AMAREL	TURVA	TURVA	AMAREL	TURVA	TURVA	AMAREL	TURVA	AMAREL	TURVA
CHUVAS			NAO	SIM	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO	NAO	NAO
VAZAO INSTAN TANEA	M3/S		230.	380.	316.	320.	350.		380.	306.	230.		543.	350.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIB. DOS BAGRES, PTE NA RCD. MUN. QUE LIGA A SP-334 A RESTINGA ANO - 83

CODIGO DO LOCAL - GGSP71BA4002 CLASSE - 4 BACIA - SAPUCAI-MIRIM

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS	PADROES DEC8468	JAN 04/18.45	FEV 01/18.15	MAR 03/17.40	ABR 05/17.10	MAI 03/17.35	JUN 07/17.35	JUL 06/17.10	AGO 02/17.00	SET 01/15.20	OUT 04/17.00	NOV 03/16.40	DEZ 05/16.45
TEMP.AGUA GR.C		25.	22.	23.	25.	23.	21.	23.	20.	23.	26.	25.	26.
PH UNID.PH		7.1	7.3	6.6	7.8	7.4	7.5	7.3	7.3	7.0	7.3	7.2	7.3
OX.DISSOL MG/L	GO.5	5.9	6.3	6.3	6.7	6.7	6.0	5.3	6.4	4.5	3.4	4.3	5.1
DBO(5,20) MG/L		17.	10.	18.	9.	6.	22.	6.	7.	5.	11.	15.	9.
CO.F.NMP/100ML		16000.	110.	540.	540.	1300.	5400.	490.	17.	350.	330.	790.	330.
N.TOTAL MG/L		3.83	2.52	7.28	4.39	4.06	7.79	6.65	4.69	6.24	7.61	7.34	6.28
FOSF.TOT. MG/L		0.090	C.010	0.010	0.085	0.100	0.040	0.040	0.025	0.100	C.120	0.240	0.210
RES.TOTAL MG/L		227.	271.	1740.	169.	185.	234.	293.	157.	102.	313.	238.	223.
TURBIDEZ UNT		88.	200.	1825.	32.	11.	52.	11.	10.	7.0	20.	24.	18.
I.Q.A.		38.	37.	31.	46.	48.	37.	45.	55.	45.	37.	38.	44.
BARIO MG/L		0.09	0.07	0.33	0.07	0.06	0.06	0.13	0.06	0.05	L0.50	L0.50	L0.50.
CALMIO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO MG/L		ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE MG/L		0.03	0.02	0.40	ND	ND	0.01	ND	0.01	ND	ND	0.01	ND.
CROMO MG/L		0.02	0.03 **	0.12	0.02	0.01	0.04	ND	0.01	ND	0.01	0.05	ND.
ESTANHO MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO MG/L		L.0002	L.0002	0.0006	0.0005	0.0002	0.0003	0.0003	0.0003	L.0002	0.0014	0.0004	0.0004.
ZINCO MG/L		0.03	0.03	0.20	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.04	0.01.
FENOL MG/L	1.0	**0.0040	L0.001	**0.0020	**0.0080	L0.001	**0.0250	L0.001	**0.0020	0.0010	**0.0040	0.0010	L0.001.
INDICE DE TOXIDEZ.		0	1	0	0	1	0	1	0	1	0	1	1
TEMP.AR -GR.C		26.	20.	26.	32.	29.	22.	28.	16.	29.	28.	29.	32.
CO.T.NMP/100ML		24000.	3500.	1600.	2400.	2400.	24000.	3500.	230.	540.	1300.	5400.	3500.
FERRO MG/L		11.9	17.0	253.	3.43	2.67	6.48	2.57	2.46	2.02	2.94	2.72	2.81.
MANGANES MG/L		0.22	0.25	2.40	0.19	0.16	0.20	0.19	0.16	0.15	C.24	0.09	0.14.
NIQUEL MG/L		0.02	0.02	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CLORETO MG/L		13.0	15.0	5.5	24.0	35.5	27.0	87.0	31.0	9.0	8.7	59.0	49.0.
OLEO MG/L		50.	34.	143.	25.	28.	63.	32.	24.	20.	34.	47.	22.
SURFACT. MG/L		0.40	0.15	0.12	0.13	0.10	0.34	0.10	0.22	0.34	0.29	0.20	0.09.
N.NITRATO MG/L		0.21	0.12	0.15	0.07	0.02	0.17	0.07	0.06	0.12	C.02	0.05	L0.01.
N.NITRITO MG/L		0.07	0.04	0.01	0.07	0.04	0.07	0.03	0.03	0.02	0.09	0.09	0.07.
N.AMONIACAL MG/L		2.44	0.81	1.06	2.55	2.90	3.10	3.95	2.75	3.80	4.45	5.70	5.90.
NITROGENIO MG/L		5.55	2.36	7.12	4.25	4.00	7.55	6.55	4.60	6.10	7.50	7.20	6.20.
RES.FIXO MG/L		151.	199.	1442.	128.	154.	169.	249.	117.	59.	263.	197.	182.
RES.VOLAT.MG/L		76.	72.	298.	41.	31.	65.	44.	40.	43.	50.	41.	41.
COLORACAO		MARROM	MARROM	MARROM	MARROM	TURVA	MARROM	TURVA	TURVA	TURVA	MARROM	TURVA	TURVA.
CHUVAS		SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO.
VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO SAPUCAI-MIRIM, PONTE NA RODOVIA BARRETOS-FRANCA ANO - 83

CODIGO DO LOCAL - 00SP71SP2100 CLASSE - 2 BACIA - SAPUCAI-MIRIM

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 04/15.30	FEV 01/17.15	MAR 03/16.40	ABR 05/15.45	MAI 03/16.00	JUN 07/16.15	JUL 06/15.50	AGO 02/15.40	SET 01/14.20	OUT 04/16.00	NOV 03/15.35	DEZ 05/15.25
TEMP.AGUA	GR.C		28.	24.	25.	25.	24.	21.	20.	21.	24.	25.	26.	25.
PH	UNID.PH		7.0	7.2	7.0	7.2	7.2	7.6	7.3	7.3	7.2	7.3	7.1	7.3
OXI.DISSOL	MG/L	5	8.1	8.1	7.9	8.2	8.2	8.5	7.6	9.2	8.8	8.2	8.0	8.3
DBO(5,20)	MG/L	5	1.	2.	2.	11.	1.	2.	2.	1.	1.	1.	1.	1.
COLI.F.NMP/100ML		1000	* 11.	* 3.3	* 79.	* 33.	* 14.	0.33	* 3.3	* 23.	* 33.	* 170.	* 7.	* 22.
NITROGENIO TOTAL	MG/L		0.52	0.17	0.52	0.12	0.17	0.61	0.27	0.24	0.45	0.42	0.37	0.36
FOSFORO TOTAL	MG/L		0.010	0.005	L0.005	0.005	0.005	0.060	L0.005	0.045	0.020	L0.005	0.070	0.055
RESIDUO TOTAL	MG/L		145.	236.	246.	105.	93.	82.	78.	51.	54.	94.	88.	86.
TURBIDEZ	UNT		106.	250.	290.	93.	49.	39.	26.	15.	13.	34.	55.	36.
I.Q.A.			57.	54.	46.	54.	61.	74.	66.	61.	60.	54.	62.	59.
BARIO	MG/L	1.0	0.07	0.03	L0.02	L0.02	L0.02	0.03	L0.02	L0.02	L0.02	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
COBRE	MG/L	1.0	0.03	0.03	0.05	0.01	0.01	0.01	0.01		ND	0.01	0.01	0.01
CROMO	MG/L	0.05	0.01	0.01	0.01	ND	ND	ND	ND		ND	ND	0.01	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	0.62	0.01	0.02	0.01	0.01	L0.001	0.01	0.01	L0.001	L0.001	0.04	0.16
FENOL	MG/L	0.001	$0.0020	L0.001	L0.001	$0.0070	L0.001	0.0010	L0.001	$0.0020	L0.001	$0.0030	0.0010	L0.001
INDICE DE TOXIDEZ.			0	1	1	0	1	1	1		1	0	1	1
TEMP.AR	GR.C		30.	24.	28.	32.	32.	23.	30.	21.	29.	32.	30.	33.
COLI.T.NMP/100ML		5000	* 170.	* 240.	* 240.	* 79.	* 130.	* 17.	* 13%	* 33.	* 49.	* 180.	* 49.	* 49.
FERRO	MG/L		14.0	17.2	23.4	6.51	8.06	6.54	4.32	2.88	2.57	6.66	6.50	4.88
MANGANES	MG/L		0.18	0.16	0.15	0.08	0.10	0.07	0.06	0.05	0.04	0.09	0.32	0.07
NIQUEL	MG/L		0.03	0.01	0.04	ND	0.01	0.01	ND		ND	ND	0.01	ND
CLORETO	MG/L		1.5	2.5	1.5	2.0	1.5	1.5	2.5	1.5	2.0	2.0	2.5	2.5
SULFATO	MG/L		16.	17.	9.	4.	6.	29.	5.	4.	4.	6.	8.	8.
SURFACT.	MG/L		0.14	0.05	L0.04	L0.04	L0.04	0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04
NITRATO	MG/L	10.0	0.13	0.07	0.09	0.04	0.13	0.14	0.13	0.16	0.19	0.09	0.05	0.06
NITRITO	MG/L	1.0	L0.01	0.01	0.01	0.01	0.01	0.01	L0.01	0.01	0.01	0.01	L0.01	L0.01
NITROGENIO AMONIACAL	MG/L	0.5	0.01	0.01	0.13	0.01	0.01	0.06	0.11	0.04	0.04	0.09	0.06	0.08
NITROGENIO KJELDAL	MG/L		0.38	0.09	0.42	0.07	0.03	0.46	0.13	0.07	0.25	0.32	0.31	0.31
RESIDUO FIXO	MG/L		116.	180.	196.	76.	73.	67.	56.	31.	24.	68.	66.	55.
RESIDUO VOLAT.	MG/L		35.	56.	50.	29.	20.	15.	22.	20.	30.	26.	22.	31.
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	TURVA	TURVA	TURVA	MARROM	MARROM	TURVA
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO
VAZAO	M3/S													

DBO - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARDO, PONTE NA RODOVIA RIBEIRAO PRETO-BATATAIS — ANO - 83

CODIGO DO LOCAL - 00SP72PD2040 — CLASSE - 2 — BACIA - PARDO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/20.10	FEV 01/20.10	MAR 03/19.20	ABR 05/19.15	MAI 03/19.10	JUN 07/19.20	JUL 06/18.50	AGO 02/18.50	SET 01/17.35	OUT 04/18.45	NOV 03/19.05	DEZ 05/19.40
.TEMP.AGUA	GR.C		25.	24.	25.	25.	23.	20.	19.	20.	22.	25.	25.	25..
.PH	UNID.PH		6.8	7.0	6.8	7.7	7.1	7.5	7.1	7.0	6.9	6.9	6.8	7.2.
.OX.DISSOL	MG/L	5	7.5	8.2	7.4	7.4	7.8	7.5	9.0	7.8	7.9	8.2	7.4	6.8.
.DBO(5,20)	MG/L	5	1.	1.	1.	1.	1.	1.	2.	2.	1.	1.	1.	1..
.COL.F.NMP/	100ML	1000	* 7.9	* 3.3	* 4.9	* 4.9	* 94.	* 3.3	* 33.	* 1.3	* 13.	0.8	* 4.9	* 7.9.
.N.TOTAL	MG/L		0.62	0.19	0.39	0.15	0.17	0.70	0.49	0.44	0.54	0.31	0.54	0.46.
.FOSF.TOT.	MG/L		0.015	0.035	0.005	0.005	0.035	0.055	L0.005	0.010	0.020	0.120	0.120	0.010.
.RES.TOTAL	MG/L		152.	127.	120.	100.	70.	94.	74.	53.	63.	87.	186.	122..
.TURBIDEZ	UNT		100.	100.	80.	45.	27.	37.	13.	10.	9.0	25.	80.	44..
		I.Q.A.	58.	61.	61.	65.	57.	66.	60.	72.	65.	72.	60.	62..
.BARIO	MG/L	1.0	0.11	0.07	0.04	0.05	L0.02	0.03	0.05	0.04	0.09	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.03	ND	0.01	0.01	ND	ND	0.01	ND	ND	ND	0.03	ND.
.CROMO	MG/L	0.05	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0018	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002.
.ZINCO	MG/L	5.0	0.01	0.01	0.01	L0.001	0.01	L0.001	L0.001	L0.001	0.01	0.02	0.08	L0.003.
.FENOL	MG/L	0.001	$0.0020	L0.001	$0.0020	$0.0090	L0.001	$0.0020	L0.001	0.0010	0.0010	$0.0020	0.0010	0.0010.
INDICE DE TOXIDEZ.			0	1	0	0	1	0	1	1	1	0	1	1 .
.TEMP.AR	GR.C		28.	21.	27.	28.	29.	18.	25.	16.	23.	26.	28.	28..
.COL.F.NMP/	100ML	5000	* 23.	* 23.	* 7.9	* 33.	* 220.	* 79.	* 70.	* 49.	* 13.	* 7.9	* 33.	* 540..
.FERRO	MG/L		10.8	6.68	6.60	3.32	3.64	5.18	2.36	1.61	1.60	3.56	11.7	5.29.
.MANGANES	MG/L		0.16	0.10	0.11	0.07	0.17	0.08	0.06	0.05	0.06	0.10	0.04	0.14.
.NIQUEL	MG/L		0.04	0.02	0.01	ND	0.01	ND	ND	ND	ND	ND	0.03	ND.
.CLORETO	MG/L		1.5	4.0	2.0	2.0	1.5	1.5	3.0	1.5	2.0	2.0	3.5	3.0.
.SULFATO	MG/L		12.	10.	8.	6.	7.	7.	5.	6.	4.	7.	14.	7..
.SURFAT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04	L0.04	L0.04	0.06	L0.04.
.N.NITRATO	MG/L	10.0	0.17	0.15	0.13	0.08	0.13	0.15	0.14	0.23	0.22	0.15	L0.01	0.07.
.N.NITRITO	MG/L	1.0	L0.01	0.01	L0.01	L0.01	L0.01	0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01.
.N.AMONIACO	MG/L	0.5	L0.01	0.01	0.20	0.01	L0.01	0.04	0.08	0.18	L0.01	0.04	0.04	0.03.
.NI.KJELD.	MG/L		0.44	0.03	0.25	0.05	0.03	0.54	0.34	0.20	0.31	0.15	0.52	0.38.
.RES.FIXO	MG/L		113.	95.	95.	74.	52.	74.	51.	30.	38.	64.	143.	80..
.RES.VOLAT.	MG/L		39.	32.	25.	26.	18.	20.	23.	23.	25.	23.	43.	42..
.COLORACAO			MARROM	MARROM	MARROM	TURVA	TURVA	MARROM	TURVA	TURVA	TURVA	MARROM	MARROM	TURVA.
.ONDAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO.
.VAZAO INSTAN TANEA	M3/S		385.		569.	319.	287.	535.	241.	257.	249.	339.	385.	204..

DOS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARDO, PONTE NA RODOVIA PONTAL-CANDIA ANO - 83

CODIGO DO LOCAL - CCSP72PD2060 CLASSE - 2 BACIA - PARDO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID	PADROES DECRETO 8468	JAN 04/07.30	FEV 01/10.15	MAR 03/07.30	ABR 05/07.15	MAI 03/07.30	JUN 07/07.30	JUL 06/07.40	AGO 02/07.20	SET 01/07.40	OUT 04/07.30	NOV 03/07.30	DEZ 05/07.20
TEMP.AGUA	GR.C		25.	25.	25.	23.	23.	19.	20.	20.	20.	23.	24.	24..
PH	UNID.PH		6.8	6.9	6.8	7.2	6.9	7.2	6.9	6.8	6.8	6.8	6.8	6.7.
OXI.DISSOL	MG/L	5	6.9	6.7	7.1	7.6	7.1	7.1	6.7	7.4	7.4	6.7	6.7	6.4.
DBO(5,20)	MG/L	5	1.	1.	1.	1.	1.	1.	1.	2.	1.	1.	1.	3..
COLI.F.NMP/100ML		1000	* 46.	* 2.2	* 49.	* 94.	* 540.	* 23.	* 17.	* 33.	* 920.	* 23.	* 2.3	* 13..
N.TOTAL	MG/L		0.51	0.26	0.34	0.15	0.18	0.80	0.52	0.40	0.47	0.27	0.35	0.52.
FOSF.TOT.	MG/L		0.010	L0.005	0.005	0.020	0.030	0.075	L0.005	0.040	L0.005	0.005	0.045	0.005.
RES.TOTAL	MG/L		124.	147.	123.	103.	86.	101.	83.	66.	75.	86.	74.	112..
TURBIDEZ	UNT		73.	100.	70.	56.	30.	42.	12.	8.0	8.0	21.	26.	30..
	I.Q.A.		53.	62.	54.	55.	53.	57.	61.	59.	55.	59.	68.	59..
BARIO	MG/L	1.0	0.07	0.05	0.04	L0.02	L0.02	0.04	0.09	0.03	0.05	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.02	0.01	0.02	0.01	ND	0.01	0.01	0.01	ND	ND	0.01	0.01.
CROMO	MG/L	0.05	0.01	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.01	0.01	L0.001	0.01	0.01	L0.001	0.01	L0.001	L0.001	L0.001	0.02	L0.003.
FENOL	MG/L	0.001	$0.0030	L0.001	L0.001	$0.0070	0.0010	$0.0030	L0.001	$0.0020	L0.001	$0.0040	0.0010	0.0010.
INDICE DE TOXIDEZ.			0	1	1	0	1	0	1	0	1	0	1	1.
TEMP.AR	-GR.C		26.	24.	26.	24.	25.	17.	20.	17.	17.	28.	24.	24..
COLI.NMP/100ML		5000	* 130.	* 170.	* 130.	* 540.	* 540.	* 170.	* 130.	* 240.	* 920.	* 1600.	* 22.	* 49..
FERRO	MG/L		5.84	5.44	7.35	4.88	4.72	6.48	2.16	2.24	1.27	2.64	3.00	6.07.
MANGANES	MG/L		0.11	0.11	0.13	0.11	0.10	0.10	0.06	0.08	0.04	0.06	0.07	0.16.
NIQUEL	MG/L		0.02	0.01	0.02	ND	0.01	0.01	0.01	0.01	ND	0.01	0.02	ND.
COBALTO	MG/L		1.0	4.0	1.5	2.0	1.0	2.0	3.0	2.0	1.5	1.0	2.5	2.5.
SULFATOS	MG/L		9.	13.	8.	9.	12.	7.	5.	6.	8.	8.	7.	9..
SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04.
N.NITRATO	MG/L	10.0	0.21	0.16	0.13	0.07	0.14	0.20	0.15	0.17	0.17	0.16	0.08	0.05.
N.NITRITO	MG/L	1.0	L0.01	0.01	0.01	0.01	L0.01	0.01	L0.01	0.01	L0.01	0.01	L0.01	0.01.
N.AMONIACAL	MG/L	0.5	0.01	L0.01	0.11	0.03	L0.01	0.04	L0.01	0.18	0.11	0.01	0.08	0.02.
NITROGENIO	MG/L		0.29	0.09	0.20	0.07	0.03	0.59	0.36	0.22	0.29	0.10	0.27	0.46.
RES.FIXO	MG/L		94.	109.	97.	69.	64.	82.	60.	41.	47.	56.	56.	65..
RES.VOLAT.	MG/L		30.	38.	26.	34.	22.	19.	23.	25.	28.	30.	18.	47..
COLORACAO			MARROM	MARROM	MARROM	MARROM	TURVA	MARROM	TURVA	TURVA	TURVA	MARROM	MARROM	TURVA.
CHUVAS			SIM	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.
VAZAO INSTANTANEA	M3/S		360.	597.	574.	306.							412.	

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

M=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARDO, PONTE NA RODOVIA VIRADOURO-MORRO AGUDO ANO - 83

CODIGO DO LOCAL - GESP72PD2070 CLASSE - 2 BACIA - PARDO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/10.35	FEV 01/13.10	MAR 03/10.40	ABR 05/10.30	MAI 03/10.30	JUN 07/10.40	JUL 06/10.20	AGO 02/10.40	SET 01/10.20	OUT 04/10.40	NOV 03/10.10	DEZ. 05/10.20.
.TEMP.AGUA	GR.C		27.	26.	25.	25.	25.	20.	21.	20.	22.	24.	25.	25..
.PH	UNID.PH		6.7	6.9	6.8	7.2	6.9	7.0	6.9	6.8	6.7	6.8	6.7	6.8.
.OX.DISSOL	MG/L	5	6.8	5.9	5.8	6.7	6.2	6.7	6.1	7.4	6.6	6.5	5.4	6.1.
.DBO(5,20)	MG/L	5	1.	1.	1.	11.	1.	1.	1.	1.	1.	1.	1.	1..
.COL.FECAL	NMP/100ML	1000	* 7.9	* 1.3	* 33.	* 33.	* 49.	* 7.	* 4.9	* 2.3	* 7.9	* 13.	* 4.9	0.2.
.N.TOTAL	MG/L		0.51	0.14	0.32	0.13	0.15	0.69	0.54	0.62	0.56	0.27	0.39	0.45.
.FOSF.TOT.	MG/L		0.005	0.010	0.010	0.005	0.020	0.070	L0.005	0.010	L0.005	0.060	0.045	0.010.
.RES.TOTAL	MG/L		111.	102.	107.	81.	74.	92.	86.	75.	72.	92.	77.	110..
.TURBIDEZ	UNT		63.	75.	70.	55.	27.	48.	16.	14.	10.	26.	32.	34..
	I.Q.A.		66.	65.	54.	56.	57.	61.	65.	69.	65.	61.	63.	74..
.BARIO	MG/L	1.0	0.09	0.05	0.04	L0.02	L0.02	0.03	0.05	0.03	0.07	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.01	0.01	ND	0.01	0.01	0.01	0.01	ND	ND	0.01	ND.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.02	0.01	L0.001	L0.001	0.01	L0.001	0.01	L0.001	0.01	0.10	0.03	0.12.
.FENOL	MG/L	0.001	$0.0030	L0.001	$0.0020	$0.0090	L0.001	$0.0030	L0.001	$0.0030	0.0010	$0.0040	0.0010	0.0010.
INDICE DE TOXIDEZ.			0	1	0	0	1	0	1	0	1	0	1	1 .
.TEMP.AR	GR.C		30.	26.	31.	28.	31.	19.	25.	17.	23.	31.	27.	29..
.COL.T.NMP/100ML		5000	* 23.	* 49.	* 49.	* 70.	* 130.	* 70.	* 79.	* 23.	* 7.9	* 23.	* 33.	* 13..
.FERRO	MG/L		5.42	4.48	5.74	2.98	3.18	4.34	2.55	2.70	2.71	4.88	3.50	5.29.
.MANGANES	MG/L		0.07	0.04	0.09	0.06	0.05	0.04	0.05	0.08	0.07	0.11	0.06	0.15.
.NIQUEL	MG/L		0.01	0.01	0.01	ND	0.01	0.01	ND	0.01	ND	ND	0.01	ND.
.CLORETO	MG/L		2.5	3.5	2.5	2.5	2.0	1.5	3.0	3.0	3.0	2.0	2.5	4.5.
.DUREZA	MG/L		10.	8.	7.	6.	9.	10.	6.	5.	9.	10.	8.	7..
.SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04.
.N.NITRATO	MG/L	10.0	0.10	0.07	0.09	0.06	0.11	0.12	0.17	0.21	0.15	0.08	0.11	0.10.
.N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	0.01	0.01	L0.01	0.01	0.01	0.01	0.01	L0.01.
.N.AMONIACAL	MG/L	0.5	0.01	L0.01	0.14	0.03	0.01	0.06	L0.01	0.04	0.01	0.13	0.05	0.02.
.NITROGENIO	MG/L		0.40	0.06	0.22	0.06	0.03	0.56	0.36	0.40	0.40	0.18	0.27	0.34.
.RES.FIXO	MG/L		86.	59.	85.	56.	51.	71.	66.	50.	43.	67.	40.	77..
.RES.VOLAT.	MG/L		31.	43.	22.	25.	23.	21.	20.	25.	29.	25.	37.	33..
.COLORACAO			MARROM	MARROM	MARROM	TURVA	TURVA	MARROM	TURVA	TURVA	TURVA	MARROM	MARROM	TURVA.
.CHUVAS			SIM	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICACORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARDO, PONTE NA VARIANTE DA RODOVIA GUAIRA-BARRETOS ANO - 83

CODIGO DO LOCAL - 06SP72PD2090 CLASSE - 2 BACIA - PARDO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 04/13.50	FEV 01/15.35	MAR 03/13.30	ABR 05/13.40	MAI 03/13.45	JUN 07/14.10	JUL 06/13.48	AGO 02/14.10	SET 01/12.25	OUT 04/13.45	NOV 03/13.20	DEZ 05/13.30
TEMP.AGUA	GR.C		28.	26.	27.	25.	26.	21.	22.	22.	23.	26.	26.	27..
PH	UNID.PH		7.0	6.9	6.9	7.1	7.1	7.2	7.0	7.0	6.9	7.0	6.8	7.1.
OX.DISSOL	MG/L	5	6.1	6.1	6.9	7.7	7.3	6.7	7.1	8.0	7.4	8.1	6.5	7.0.
DBO(5,20)	MG/L	5	1.	1.	L1.	L1.	1.	1.	1.	1.	1.	1.	1.	1..
CO.F.NMP/100ML		1000	* 1.3	0.8	* 4.9	* 4.9	* 7.9	* 2.3	* 1.1	0.5	* 17.	* 1.3	0.7	0.5.
N.TOTAL	MG/L		0.52	0.15	0.33	0.22	0.16	0.65	0.54	0.45	0.49	0.22	0.54	0.45.
FOSF.TOT.	MG/L		0.005	0.005	0.005	0.005	0.005	0.060	L0.005	0.010	0.020	0.045	0.050	0.045.
RES.TOTAL	MG/L		108.	93.	98.	84.	72.	98.	80.	76.	73.	98.	93.	98..
TURBIDEZ	UNT		60.	75.	62.	49.	29.	49.	17.	12.	11.	25.	28.	32..
		I.Q.A.	67.	67.	63.	65.	64.	66.	72.	76.	62.	71.	72.	74..
BARIO	MG/L	1.0	0.07	0.05	0.04	L0.02	L0.02	0.03	0.07	0.03	0.05	L0.50	L0.50	L0.50.
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
CHUMBO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
COBRE	MG/L	1.0	0.01	ND	0.01	0.01	0.01	0.01	0.01	0.01	0.01	ND	0.01	0.01.
CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
ZINCO	MG/L	5.0	0.01	0.01	L0.001	L0.001	0.01	L0.001	0.01	0.01	0.02	L0.001	0.03	0.01.
FENOL	MG/L	0.001	$0.0020	$0.0020	0.0010	$0.0020	L0.001	$0.0050	L0.001	$0.0030	L0.001	L0.001	$0.0020	L0.001.
INDICE DE TOXIDEZ.			0	0	1	0	1	0	1	0	1	1	0	1.
TEMP.AR	GR.C		33.	25.	32.	32.	33.	24.	30.	23.	26.	32.	28.	32..
CO.T.NMP/100ML		5000	* 11.	* 7.9	4.9	* 7.9	* 130.	* 17.	* 13.	3.3	* 22.	4.9	* 17.	* 23..
FERRO	MG/L		4.86	4.00	5.17	3.84	3.46	4.40	3.10	2.68	2.66	3.44	3.50	4.10.
MANGANES	MG/L		0.07	0.04	0.09	0.07	0.06	0.05	0.07	0.07	0.08	0.07	0.12	0.12.
NIQUEL	MG/L		0.01	ND	0.01	ND	ND	0.01	0.01	0.01	ND	0.01	0.01	0.01.
CLORETO	MG/L		2.0	3.5	2.0	2.0	1.5	2.0	3.0	2.5	2.5	2.0	3.0	4.0.
DUREZA	MG/L		8.	6.	6.	6.	10.	8.	6.	4.	7.	7.	9.	6..
SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04.
N.NITRATO	MG/L	10.0	0.13	0.07	0.12	0.09	0.09	0.12	0.17	0.17	0.14	0.11	0.07	0.08.
N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	L0.01	0.01	L0.01	0.01	L0.01	L0.01	L0.01	L0.01.
N.AMONIACO	MG/L	0.5	0.01	0.01	0.13	0.01	0.03	0.09	0.06	0.09	0.01	0.08	0.08	0.03.
NI.ORGANICO	MG/L		0.38	0.07	0.20	0.12	0.06	0.52	0.36	0.27	0.34	0.10	0.46	0.36.
RES.FIXO	MG/L		76.	54.	74.	59.	50.	78.	60.	55.	39.	68.	49.	72..
RES.VOLAT.	MG/L		32.	39.	24.	25.	22.	20.	20.	21.	34.	30.	44.	26..
COLORACAO			MARROM	MARROM	MARROM	TURVA	TURVA	MARROM	TURVA	TURVA	TURVA	MARROM	MARROM	TURVA.
CHUVAS			SIM	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO.
VAZAO INSTAN TANEA	M3/S		1206.	1755.	1299.	1040.	1015.	1546.	817.	707.	567.	964.	1066.	681..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO MOJI-GUACU, PONTE NA RODOVIA LEME-CONCHAL, EM PAGUA SALES ANO - 83

CODIGO DO LOCAL - OOSP73MG2070 CLASSE - 2 BACIA - MOJI-GUACU

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	UNID.	PADROES DEC 8468	JAN 04/16.00	FEV 01/18.00	MAR 02/11.00	ABR 04/17.00	MAI 02/17.10	JUN 06/10.40	JUL 06/10.15	AGO 02/11.20	SET 05/10.40	OUT 03/16.15	NOV 07/12.00	DEZ. 05/14.10.
.TEMP.AGUA	GR.C		24.	22.	26.	24.	23.	19.	19.	19.	23.	23.	23.	25..
.PH	UNID.PH		6.5	6.8	6.8	6.8	7.2	6.3	6.7	6.8	6.9	7.0	7.0	7.1.
.OX.DISSOL	MG/L	5	6.6	6.7	7.2	6.6	7.0	8.0	8.0	7.0	6.9	6.2	8.0	7.0.
.DBO(5,20)	MG/L	5	4.	2.	1.	1.	1.	1.	2.	2.	1.	3.	2.	2..
.CO.F.NMP/100ML		1000	* 1600.	* 200.	* 33.	* 1100.	* 8.	* 3.3	* 33.	* 23.	* 33.	* 23.	* 49.	* 2..
.N.TOTAL	MG/L		1.22	0.64	0.87	1.06	0.56	0.71	0.41	1.18	0.78	0.95	1.50	1.01.
.FOS.TOT.	MG/L		0.058	LO.020	0.025	0.036	0.120	0.155	0.090	0.039	0.049	LO.020	0.039	LO.020.
.RES.TOTAL	MG/L		233.	293.	184.	125.	182.	156.	104.	110.	98.	148.	346.	128..
.TURBIDEZ	UNT		70.	120.	42.	37.	53.	90.	25.	25.	20.	45.	200.	67..
	I.Q.A.		46.	42.	56.	51.	60.	59.	57.	58.	58.	55.	45.	64..
.BARIO	MG/L	1.0	0.11	0.08	0.09	LO.02	0.04	0.12	LO.02	0.06	0.03	LO.50	LO.50	LO.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L	0.1	ND	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.02	0.03	0.02	0.01	0.02	0.04	ND	0.01	0.01	0.01	0.01	0.01.
.CROMO	MG/L	0.05	0.01	0.01	0.01	ND	ND	0.01	ND	0.01	ND	ND	ND	0.01.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	0.0003	L.0002	0.0003	0.0009	L.0002	L.0002	0.0004	L.0002	0.0003	L.0002.
.ZINCO	MG/L	5.0	0.02	0.02	0.02	0.02	0.03	0.01	0.01	0.01	0.04	0.02	0.02	0.04.
.FENOL	MG/L	0.001	$0.0020	$0.0380		0.0010	LO.001	0.0010	LO.001	$0.0030	$0.0020	$0.0030	LO.001	0.0010.
INDICE DE TOXIDEZ.			0	0		1	1	1	1	0	0	0	1	1.
.TEMP.AR	-GR.C		17.	21.	28.	25.	25.	15.	26.	19.	19.	24.	28.	30..
.CO.T.NMP/100ML		5000	*62400.	* 200.	* 49.	* 2200.	* 23.	* 49.	* 49.	* 46.	* 49.	* 49.	* 70.	* 7..
.FERRO	MG/L		7.30	5.36	10.4	6.28	5.00	6.61	3.10	3.01	2.71	5.48	4.67	11.5.
.MANGANES	MG/L		0.12	0.15	0.18	0.18	0.12	0.70	0.09	0.13	0.09	0.24	0.17	0.20.
.NIQUEL	MG/L		0.02	0.05	0.02	ND	0.01	0.01	0.01	0.01	ND	0.01	0.01	0.03.
.CLORETO	MG/L		3.0	2.0	2.5	4.5	4.0	3.5	4.0	6.0	6.5	5.5	4.0	7.0.
.D.B.O	MG/L		26.	11.	4.	11.	15.	17.	13.	12.	11.	13.	26.	20..
.SURFACT.	MG/L		0.05	0.04	0.08	0.16	LO.04	0.06	0.05	0.18	0.11	0.09	LO.04	LO.04.
.N.NITRATO	MG/L	10.0	0.57	0.12	0.10	0.14	0.15	0.10	0.10	0.34	0.21	0.19	0.20	0.05.
.N.NITRITO	MG/L	1.0	0.01	0.01	LO.01	0.01	0.01	LO.01	LO.01	0.01	0.01	0.01	LO.01	0.01.
.N.AMONIACAL	MG/L	0.5	0.07	LO.05	0.21	0.13	0.07	0.09	0.08	0.13	0.07	LO.05	LO.05	0.12.
.NI.KJELD.	MG/L		0.64	0.51	0.76	0.91	0.40	0.60	0.30	0.83	0.56	0.75	1.29	0.95.
.RES.FIXO	MG/L		175.	237.	142.	99.	121.	109.	73.	78.	69.	113.	267.	99..
.RES.VOLAT.	MG/L		54.	56.	42.	26.	61.	47.	31.	32.	29.	35.	79.	29..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	AMAREL	MARROM	AMAREL	AMAREL	MARROM	MARROM.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	NAO	SIM.
.VAZAO	M3/S		139.	320.		154.	143.	325.	136.	177.	72.6			169..

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO MOJI-GUACU, NA CAPT. DA ACAD. DA F. AEREA, EM PIRACUNUNGA ANO - 83

CODIGO DO LOCAL - 00SP73MG2150 CLASSE - 2 BACIA - MOJI-GUACU

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO II

PARAMETROS		PADROES DEC8468	JAN 04/17.30	FEV 01/19.50	MAR 02/09.30	ABR 04/18.50	MAI 02/19.00	JUN 06/13.15	JUL 06/13.15	AGO 02/14.00	SET 05/12.30	OUT 03/18.05	NOV 07/15.35	DEZ 05/17.15
TEMP.AGUA	GR.C		24.	22.	25.	20.	22.	19.	20.	20.	23.	21.	23.	23.
PH	UNID.PH		6.8	6.7	6.7	6.9	7.2	7.0	6.7	7.0	6.8	7.1	6.9	7.0
OX.DISSOL	MG/L	5	6.5	6.2	6.1	6.6	6.6	7.0	7.6	7.0	6.8	6.2	8.0	7.2
DBO(5,20)	MG/L	5	2.	4.	1.	4.	2.	2.	1.	1.	1.	1.	1.	2.
CO.F.NMP/	100ML	1000	* 70.	* 33.	* 11.	* 13.	* 11.	* 1.1	0.049	* 8.	* 2.3	* 23.	* 7.9	* 2.
N.TOTAL	MG/L		0.98	0.87	0.94	0.67	0.23	1.93	0.37	0.51	0.51	0.57	1.13	1.63
FOSF.TOT.	MG/L		0.066	L0.020	0.039	L0.020	0.130	0.115	0.095	L0.020	0.036	0.036	0.055	L0.020
RES.TOTAL	MG/L		286.	170.	156.	170.	167.	128.	107.	119.	79.	114.	219.	77.
TURBIDEZ	UNT		86.	100.	34.	55.	65.	80.	25.	20.	18.	33.	130.	54.
	I.Q.A.		56.	49.	60.	56.	57.	63.	80.	64.	69.	58.	52.	65.
BARIO	MG/L	1.0	0.11	0.07	0.04	L0.02	0.02	0.03	0.11	0.03	0.03	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHUMBO	MG/L	0.1	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.01	0.04	0.11	0.05	0.01	0.01	ND	0.02	0.02	0.01	0.01	0.01
CROMO	MG/L	0.05	0.01	0.01	§ 0.09	0.01	ND	ND	ND	0.01	ND	ND	0.01	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0062	0.0004	0.0002	0.0003	0.0003	0.0016	0.0003	0.0003	0.0004	L.0002	0.0011	0.0002
ZINCO	MG/L	5.0	0.02	0.02	0.01	0.02	0.04	0.02	0.01	0.01	0.02	0.02	0.03	0.06
FENOL	MG/L	0.001	L0.001	L0.001		0.0010	0.0010	§0.0020	L0.001	§0.0030	0.0010	§0.0030	0.0010	0.0010
INDICE DE TOXIDEZ			1	1		1	1	0	1	0	1	0	1	1
TEMP.AR	-GR.C		16.	20.	26.	22.	19.	19.	26.	21.	22.	22.	28.	27.
CO.T.NMP/	100ML	5000	* 220.	* 79.	* 22.	* 33.	* 79.	* 16.	3.3	* 8.	3.3	* 23.	* 24.	* 7.
FERRO	MG/L		9.56	7.80	6.90	6.69	7.48	5.12	3.38	3.45	1.96	3.56	9.65	6.50
MANGANES	MG/L		0.16	0.15	0.12	0.15	0.28	0.15	0.14	0.16	0.09	0.21	0.15	0.41
NIQUEL	MG/L		0.62	0.02	0.09	0.01	0.01	0.01	ND	0.02	ND	ND	0.02	0.02
CLORETO	MG/L		3.0	2.0	2.0	10.0	3.5	2.5	3.0	4.0	5.0	4.5	4.5	4.0
[illegible]	MG/L		16.	13.	1.	16.	10.	14.	8.	9.	8.	17.	18.	13.
SURFALT.	MG/L		0.09	L0.04	0.09	0.11	0.06	0.08	0.05	0.12	0.10	0.08	0.04	L0.04
N.NITRATO	MG/L	10.0	0.16	0.13	0.11	0.13	0.02	0.12	0.06	0.15	0.08	0.14	0.39	0.06
N.NITRITO	MG/L	1.0	0.01	0.01	0.01	0.01	0.01	L0.01	0.01	0.01	0.01	0.01	0.01	0.01
N.AMONIACO	MG/L	0.5	0.13	L0.05	0.29	L0.05	0.08	0.17	0.06	0.08	L0.05	L0.05	L0.05 *	0.54
NITROGENIO	MG/L		0.81	0.73	0.82	0.53	0.20	1.80	0.30	0.35	0.42	0.42	0.73	1.56
RES.FIXO	MG/L		218.	135.	122.	144.	127.	82.	78.	86.	54.	80.	167.	51.
RES.VOLAT.	MG/L		68.	35.	34.	26.	40.	46.	29.	33.	25.	34.	52.	26.
COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	AMAREL	AMAREL	MARROM	MARROM
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	SIM	SIM	NAO	SIM
VAZAO MEDIA DIARIA	M3/S		249.	453.	378.	263.	243.	584.	216.	171.	133.	186.	287.	190.

Obs - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO MOJI-GUACU, BALSA NA LOCALIDADE DE PORTO PULADOR ANO - 83

CODIGO DO LOCAL - CCSP73MG2190 CLASSE - 2 BACIA - MOJI-GUACU

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (\$) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/13.10	FEV 01/07.20	MAR 03/11.50	ABR 05/13.10	MAI 03/12.45	JUN 07/11.15	JUL 06/12.00	AGO 02/15.30	SET 01/10.45	OUT 04/12.50	NOV 03/09.30	DEZ. 05/16.45.
.TEMP.AGUA	GR.C		27.	25.	26.	25.	24.	20.	27.	19.	24.	24.	23.	26..
.PH	UNID.PH		7.2	6.8	6.9	6.8	7.2	6.6	6.5	6.6	7.2	6.5	6.8	6.9.
.OX.DISSOL	MG/L	5	7.8	6.3	6.5	6.9	7.7	7.3	7.4	8.2	8.1	7.7	7.3	7.3.
.DBO(5,20)	MG/L	5	2.	1.	2.	1.	1.	1.	1.	1.	1.	1.	1.	1..
.CO.F.NMP/	100ML	1000	* 4.9	0.8	* 7.9	* 2.3	* 7.9	* 1.3	* 7.	0.2	* 3.3	0.8	* 1.7	* 1.7.
.N.TOTAL	MG/L		0.41	0.18	0.30	0.18	0.20	0.64	0.44	0.49	0.66	0.39	0.85	0.49.
.FOSF.TOT.	MG/L		0.010	0.010	0.010	0.010	0.005	0.050	L0.005	0.050	L0.005	0.145	0.095	0.005.
.RES.TOTAL	MG/L		182.	106.	153.	150.	127.	94.	101.	93.	94.	133.	155.	140..
.TURBIDEZ	UNT		106.	75.	92.	82.	50.	48.	22.	15.	15.	33.	65.	64..
	I.Q.A.		56.	66.	57.	63.	62.	68.	64.	77.	69.	70.	65.	67..
.BARIO	MG/L	1.0	0.09	0.05	0.07	L0.02	L0.02	0.03	0.07	0.03	0.07	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.01	0.01	0.01	0.01	ND	ND	0.01	ND	0.01	0.02	0.01.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0003	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002.
.ZINCO	MG/L	5.0	0.01	0.01	0.01	0.01	L0.001	0.01	L0.001	0.02	L0.001	0.03	0.03	0.01.
.FENOL	MG/L	0.001	0.0010	L0.001	\$0.0030	\$0.0040	L0.001	\$0.0040	L0.001	\$0.0030	\$0.0020	0.0010	\$0.0020	L0.001.
INDICE DE TOXIDEZ.			1	1	0	0	1	0	1	0	0	1	0	1 .
.TEMP.AR	-GR.C		31.	23.	31.	31.	28.	19.	24.	19.	26.	27.	27.	31..
.CO.T.NMP/	100ML	5000	* 35.	4.9	* 7.9	* 33.	* 13.	4.9	* 33*	* 7.9	* 13.	2.3	* 110.	* 49..
.FERRO	MG/L		8.66	4.38	5.96	6.92	5.68	4.03	3.52	2.84	2.90	5.18	6.75	5.80.
.MANGANES	MG/L		0.14	0.06	0.12	0.15	0.10	0.03	0.07	0.07	0.07	0.12	0.09	0.13.
.NIQUEL	MG/L		0.01	0.01	0.01	0.01	0.01	ND	0.01	0.01	ND	0.01	0.01	0.01.
.CLORETO	MG/L		3.0	5.5	2.5	2.5	1.5	2.5	4.5	6.0	4.0	3.5	4.0	4.5.
.DUREZA	MG/L		13.	8.	10.	8.	6.	6.	5.	8.	5.	10.	11.	8..
.SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04.
.N.NITRATO	MG/L	10.0	0.13	0.07	0.12	0.07	0.15	0.15	0.09	0.21	0.17	0.20	0.13	0.12.
.N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	0.01	L0.01	0.01	L0.01	L0.01	0.01	0.01	L0.01	L0.01.
.N.AMONIACAL	MG/L	0.5	0.01	L0.01	0.08	0.01	0.03	0.03	0.08	0.11	0.06	0.06	0.06	0.02.
.NITROGENIO.	MG/L		0.27	0.16	0.17	0.10	0.04	0.48	0.34	0.27	0.48	0.18	0.72	0.36.
.RES.FIXO	MG/L		136.	63.	121.	115.	100.	71.	75.	68.	49.	96.	118.	105..
.RES.VOLAT.	MG/L		52.	43.	32.	35.	27.	23.	26.	25.	45.	37.	37.	35..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	TURVA	MARROM	MARROM	MARROM.
.CHUVAS			NAO	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.
.VAZAO .MEDIA .DIARIA	M3/S		399.	625.	511.	373.	337.	740.	302.	225.	119.	258.	353.	

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO MOJI-GUACU, PONTE NA RODOVIA SERTAOZINHO-PITANGUEIRAS ANO - 83

CODIGO DO LOCAL - CQSF73MG2280 CLASSE - 2 BACIA - MOJI-GUACU

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO IT

PARAMETROS		PADROES DEC.6468	JAN 04/09.10	FEV 01/11.55	MAR 03/09.00	ABR 05/08.50	MAI 03/08.45	JUN 07/09.00	JUL 06/08.45	AGO 02/08.45	SET 01/08.55	OUT 04/09.10	NOV 03/09.50	DEZ. 05/08.40.
.TEMP.AGUA GR.C			26.	26.	25.	25.	25.	20.	20.	21.	21.	24.	25.	26..
.PH UNID.PH			6.7	6.7	6.8	7.1	6.9	6.9	6.9	6.7	6.7	6.8	6.7	6.8.
.OX.DISSOL MG/L		5	5.2	5.5	5.7	6.7	6.2	6.6	6.3	6.3	5.9	5.3	5.4	5.7.
.DBO(5,20) MG/L		5	1.	1.	L1.	L1.	1.	1.	2.	1.	1.	1.	1.	1..
.CO.F.NMP/100ML		1000	0.5	* 1.1	* 4.9	* 2.3	* 4.9	0.8	0.5	* 1.7	* 1.7	* 13.	* 46.	* 1.3.
.N.TOTAL MG/L			0.48	0.11	0.22	0.14	0.16	0.60	0.50	0.64	0.52	0.67	0.54	0.53.
.FOSF.TOT. MG/L			0.010	0.010	0.010	0.010	0.010	0.055	0.010	0.055	L0.005	L0.005	0.050	0.005.
.RES.TOTAL MG/L			103.	92.	98.	88.	71.	89.	93.	77.	70.	115.	91.	110..
.TURBIDEZ UNT			57.	75.	62.	44.	29.	53.	20.	12.	11.	30.	40.	35..
		I.Q.A.	68.	64.	61.	67.	64.	68.	72.	69.	68.	59.	54.	68..
.BARIO	MG/L	1.0	0.05	0.05	0.07	L0.02	L0.02	L0.02	0.07	0.03	0.07	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.01	0.01	ND	0.04	ND	0.01	0.02	ND	0.01	0.01	ND.
.CROMO	MG/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0003	L.0002	0.0003	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.01	0.01	L0.001	L0.001	0.01	L0.001	0.01	L0.001	0.01	0.01	0.03	0.01.
.FENOL	MG/L	0.001	0.0010	L0.001	$0.0060	L0.001	L0.001	$0.0020	$0.0020	$0.0020	0.0010	0.0010	$0.0020	L0.001.
INDICE DE TOXIDEZ.			1	1	0	1	1	0	0	0	1	1	0	1.
.TEMP.AR -GR.C			28.	24.	29.	26.	26.	19.	21.	17.	21.	30.	26.	28..
.CO.T.NMP/100ML		5000	* 7.9	* 17.	4.9	* 11.	* 7.9	2.3	* 7.9	3.3	3.3	* 23.	* 170.	3.3.
.FERRO MG/L			4.90	3.50	4.96	3.08	2.55	4.40	3.03	2.84	3.38	5.08	4.52	4.61.
.MANGANES MG/L			0.05	0.03	0.07	0.07	0.03	0.04	0.06	0.09	0.09	0.13	0.12	0.14.
.NIQUEL MG/L			0.01	ND	0.01	0.01	0.02	ND	ND	0.01	ND	0.01	0.02	ND.
.CLORETO MG/L			3.0	5.0	2.5	2.0	2.0	2.0	3.5	3.0	3.5	3.0	3.5	4.5.
.DUREZA MG/L			8.	8.	6.	6.	9.	10.	6.	6.	8.	11.	6.	7..
.SURFACT. MG/L			L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04.
.N.NITRATO MG/L		10.0	0.05	0.06	0.06	0.06	0.09	0.09	0.17	0.16	0.15	0.12	0.07	0.18.
.N.NITRITO MG/L		1.0	L0.01	0.01	L0.01	L0.01	L0.01	0.01	L0.01	0.04	0.01	0.01	L0.01	L0.01.
.N.AMONIACAL MG/L		0.5	0.01	L0.01	0.08	0.01	0.04	0.01	0.08	0.06	0.01	0.18	0.06	0.02.
.NITROGENIO. MG/L			0.36	0.04	0.15	0.07	0.06	0.50	0.32	0.44	0.36	0.54	0.46	0.34.
.RES.FIXO MG/L			68.	53.	73.	55.	56.	65.	69.	46.	41.	84.	69.	66..
.RES.VOLAT. MG/L			35.	39.	25.	33.	15.	24.	24.	31.	29.	31.	22.	44..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	TURVA	MARROM	MARROM	TURVA	TURVA	MARROM	MARROM	TURVA.
.CHUVAS			SIM	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.
.VAZAO														
.MEDIA	M3/S		586.	511.	588.	533.		789.	430.	322.	226.	459.	513.	317..
.DIARIA														

COS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PRETO, PONTE NA RODOVIA AMERICO DE CAMPOS-PALESTINA — ANO - 83

CODIGO DO LOCAL - 02SP01PE2500 — CLASSE - 2 — BACIA - TURVO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 84 e 8	JAN 04/07.10	FEV 01/08.20	MAR 03/08.45	ABR 05/07.35	MAI 03/06.50	JUN 07/07.40	JUL 06/07.00	AGO 02/07.30	SET 01/07.00	OUT 04/07.00	NOV 03/06.30	DEZ. 05/07.00.
.TEMP.AGUA	GR.C		26.	26.	27.	27.	25.	21.	21.	19.	20.	20.	20.	21..
.PH	UNID.PH		6.6	6.2	6.5	7.0	6.9	6.2	6.6	6.3	6.7	6.9	6.8	6.7.
.OX.DISSOL	MG/L	5	5.3	5.2	5.5	6.3	6.2	6.8	8.0	7.6	6.7	7.2	7.5	6.2.
.DBO(5,20)	MG/L	5	1.	L1.	1.	2.	1.	L1.	2.	3.	2.	1.	2.	1..
.CO.F.NMP/100ML		1000	0.33	* 3.3	0.33	0.27	* 1.3	0.017	0.49	0.11	* 24.	0.49	* 2.3	0.94.
.N.TOTAL	MG/L		0.47	0.10	0.37	0.23	0.35	0.70	0.90	1.10	0.72	0.80	0.68	0.65.
.FOSF.TOT.	MG/L		0.015	0.005	0.025	0.015	0.020	0.020	0.010	0.020	0.010	L0.005	0.020	0.005.
.RES.TOTAL	MG/L		92.	97.	68.	82.	88.	69.	78.	76.	81.	87.	70.	98..
.TURBIDEZ	UNT		72.	150.	22.	45.	34.	23.	15.	12.	7.0	16.	20.	18..
		I.Q.A.	67.	51.	73.	73.	69.	81.	73.	76.	59.	74.	67.	70..
.BARIO	MG/L	1.0	0.11	0.07	0.07	0.05	L0.02	0.03	0.07	0.08	0.09	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	0.01	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.05	0.01	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	0.01	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	0.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L	5.0	0.02	0.02	0.02	0.01	0.02	0.01	0.01	L0.001	0.02	0.02	0.03	0.01.
.FENOL	MG/L	0.001	L0.001	L.0010	L0.001	$0.0070	L0.001	$0.0030	L0.001	$0.0030	0.0010	0.0010	$0.0030	L0.001.
INDICE DE TOXIDEZ.			1	1	1	0	1	0	1	0	1	1	0	1.
.TEMP.AR	-GR.C		22.	24.	29.	24.	24.	18.	18.	15.	22.	23.	21.	23..
.CO.T.NMP/100ML		5000	* 170.	* 35.	0.49	* 23.	3.3	* 35.	2.4	3.3	* 33.	4.9	3.3	* 7.9.
.FERRO	MG/L		3.66	4.76	1.68	1.54	2.47	1.69	1.90	1.72	1.18	2.18	2.27	2.86.
.MANGANES	MG/L		0.06	0.08	0.08	0.10	0.08	0.03	0.07	0.07	0.04	0.15	0.03	0.14.
.NIQUEL	MG/L		0.01	0.02	0.01	0.01	ND	0.01	0.01	ND	0.01	0.01	ND	ND.
.CLORETO	MG/L		2.5	5.0	2.5	2.0	2.0	2.0	3.0	2.5	2.0	3.0	2.5	3.5.
.DUR.TO	MG/L		10.	9.	5.	4.	7.	6.	5.	4.	4.	7.	8.	6..
.SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.19	0.05	L0.04.
.N.NITRATO	MG/L	10.0	0.66	0.05	0.18	0.12	0.24	0.35	0.41	0.58	0.29	0.46	0.25	0.30.
.N.NITRITO	MG/L	1.0	L0.01	L0.01	0.01	0.01	0.01	0.01	0.03	0.04	0.05	0.03	0.03	0.03.
.N.AMONIAL	MG/L	0.5	0.01	L0.01	0.11	0.01	0.09	0.09	0.06	0.14	0.06	0.08	0.15	0.31.
.NITROGENIO	MG/L		0.36	0.04	0.18	0.07	0.10	0.34	0.46	0.48	0.38	0.31	0.40	0.32.
.RES.FIXO	MG/L		58.	65.	46.	52.	67.	46.	53.	49.	50.	60.	49.	34..
.RES.VOLAT.	MG/L		34.	32.	22.	30.	21.	23.	25.	27.	31.	27.	21.	64..
.COLORACAO			MARROM	MARROM	MARROM	TURVA	TURVA	MARROM	TURVA	TURVA	TURVA	TURVA	MARROM	TURVA.
.CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	SIM.
.VAZAO .INSTAN .TANEA	M3/S		34.6	64.0	39.2	33.1	43.0	44.2	25.7	24.5	20.6	21.2	26.6	22.1.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIBEIRAO DA CACA, PONTE NA RODOVIA CATANDUVA-BEBEDOURO ANO - 83

CODIGO DO LOCAL - COSP81RC2036 CLASSE - 2 BACIA - TURVO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (\$) DA CLASSE E DO IT

PARAMETROS		PADROES CEC8466	JAN 04/09.00	FEV 01/09.15	MAR 03/09.45	ABR 05/10.15	MAI 03/10.00	JUN 07/14.15	JUL 06/13.10	AGO 02/14.00	SET 01/13.30	OUT 04/13.00	NOV 03/12.30	DEZ 05/14.30
.TEMP.AGUA	GR.C		25.	24.	26.	25.	23.	20.	23.	19.	20.	20.	20.	22..
.PH	UNID.PH		7.1	7.2	5.5	5.5	6.5	6.4	6.5	6.4	6.6	6.7	6.5	5.8.
.OX.DISSOL	MG/L	5	5.8	5.4	5.6	6.4	6.8	6.9	6.9	7.4	5.6	5.5	5.8	6.1.
.DBO(5,20)	MG/L	5	1.	1.	1.	2.	1.	2.	5.	5.	4.	4.	4.	2..
.CO.F.NMP/	100ML	1000	* 240.	* 130.	* 33.	* 17.	* 350.	* 13.	* 240.	* 33.	* 28.	* 350.	* 1.3	* 170..
.N.TOTAL	MG/L		0.40	0.22	0.83	0.22	0.33	0.66	0.40	0.27	0.61	0.33	1.41	0.59.
.FOSF.TOT.	MG/L		0.025	0.005	L0.005	0.010	0.005	0.025	0.010	0.025	L0.005	0.010	0.210	0.040.
.RES.TOTAL	MG/L		104.	119.	188.	158.	92.	88.	89.	85.	85.	103.	513.	88..
.TURBIDEZ	UNT		34.	75.	260.	172.	24.	30.	17.	11.	5.0	20.	200.	30..
.		I.Q.A.	52.	48.	42.	44.	52.	59.	50.	55.	56.	49.	48.	48..
.BARIO	MG/L	1.0	0.11	0.12	0.09	0.07	0.04	0.06	0.15	0.07	0.13	L0.50	L0.50	L0.50.
.CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L	1.0	ND	0.01	0.01	0.01	ND	ND	ND	ND	ND	0.02	0.03	ND.
.CROMO	MG/L	0.05	ND	0.01	0.01	0.01	ND	0.01	ND	ND	ND	ND	0.03	ND.
.ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	0.0002.
.ZINCO	MG/L	5.0	0.02	0.01	0.01	0.01	0.02	0.01	0.01	L0.001	0.01	L0.001	0.05	0.06.
.FENOL	MG/L	0.001	0.0010	L0.001	L0.001	0.0010	L0.001	\$0.0020	L0.001	\$0.0030	0.0010	\$0.0030	\$0.0030	0.0010.
.	INDICE DE TOXIDEZ.		1	1	1	1	1	0	1	0	1	0	0	1 .
.TEMP.AR	-GR.C		28.	22.	30.	29.	27.	20.	28.	20.	23.	26.	26.	28..
.CO.T.NMP/	100ML	5000	* 350.	* 240.	* 33.	* 170.	* 350.	* 130.	* 350.	* 130.	* 79.	* 1600.	* 70.	* 170..
.FERRO	MG/L		1.96	4.06	7.88	6.34	2.58	2.65	2.62	2.35	2.71	2.74	24.4	2.83.
.MANGANES	MG/L		0.07	0.21	0.07	0.38	0.11	0.09	0.17	0.16	0.19	0.23	0.32	0.15.
.NIQUEL	MG/L		ND	0.01	0.03	0.02	ND	0.01	ND	ND	ND	ND	0.10	ND.
.CLORETO	MG/L		3.0	4.5	3.0	3.0	2.0	3.0	3.5	3.0	3.0	3.0	4.0	4.5.
.DUREZA	MG/L		11.	11.	17.	10.	9.	9.	13.	10.	11.	14.	32.	9..
.SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04.
.N.NITRATO	MG/L	10.0	0.05	0.11	0.12	0.09	0.20	0.23	0.01	0.01	0.06	0.08	0.05	0.12.
.N.NITRITO	MG/L	1.0	L0.01	0.02	L0.01	L0.01	0.01	0.01	L0.01	0.01	0.01	0.01	L0.01	L0.01.
.N.AMONIACAL	MG/L	0.5	0.01	L0.01	0.16	0.01	0.09	0.16	0.13	0.20	0.13	0.16	0.20	0.16.
.NITROGENIO	MG/L		0.34	0.09	0.70	0.12	0.12	0.42	0.38	0.25	0.54	0.24	1.35	0.46.
.RES.FIXO	MG/L		76.	77.	149.	116.	60.	60.	64.	64.	51.	54.	423.	66..
.RES.VOLAT.	MG/L		34.	42.	39.	42.	32.	28.	25.	21.	34.	49.	90.	22..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	TURVA	TURVA	MARROM	MARROM	TURVA.
.CHUVAS			SIM	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO.
.VAZAO .INSTAN .TANEA	M3/S		10.9	14.1	32.1	20.4	10.9	18.1	7.93		5.27	7.93	49.5	10.6.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIBEIRAO SAO DOMINGOS, PONTE NA RUA J. ZANCANER, EM CATIGUA — ANO - 83

CODIGO DO LOCAL - COSP81SD4040 — CLASSE - 4 — BACIA - TURVO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (s) DA CLASSE E DO IT

PARAMETROS		PADROES DEC.4468	JAN 04/08.00	FEV 01/10.30	MAR 03/10.50	ABR 05/11.15	MAI 03/09.15	JUN 07/13.20	JUL 06/12.00	AGO 02/13.00	SET 01/12.30	OUT 04/12.30	NOV 03/11.30	DEZ. 05/12.30
.TEMP.AGUA	GR.C		25.	24.	23.	26.	22.	21.	23.	19.	20.	20.	20.	22..
.PH	UNID.PH		6.6	7.0	5.0	5.0	6.5	6.5	6.4	6.3	6.2	6.4	6.1	5.6.
.OX.DISSOL	MG/L	60.5	2.6	2.9	4.9	4.8	4.8	2.9	2.4	1.4	1.5	1.5	1.9	0.9.
.DBO(5,20)	MG/L		1.	2.	2.	2.	2.	5.	13.	12.	12.	4.	7.	23..
.CO.F.NMP/	100ML		49.	22.	2.2	35.	35.	79.	24.	33.	130.	49.	110.	49..
.N.TOTAL	MG/L		1.18	0.78	1.19	1.02	1.11	1.02	1.17	0.86	1.38	1.10	1.20	1.41.
.FOS.F.TOT.	MG/L		0.015	0.010	L0.005	0.010	0.005	0.040	L0.005	0.020	L0.005	L0.005	0.085	0.045.
.RES.TOTAL	MG/L		182.	216.	107.	119.	111.	108.	93.	101.	103.	131.	209.	123..
.TURBIDEZ	UNT		100.	250.	230.	55.	34.	36.	24.	18.	6.0	55.	110.	32..
		I.Q.A.	40.	39.	44.	44.	51.	41.	39.	35.	33.	36.	28.	27..
.BARIO	MG/L		0.13	0.12	0.09	0.07	0.02	0.10	0.15	0.11	0.13	L0.50	L0.50	L0.50.
.CADMIO	MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.CHUMBO	MG/L		ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND.
.COBRE	MG/L		0.01	0.01	0.01	0.02	ND	ND	ND	ND	ND	ND	0.01	ND.
.CROMO	MG/L		0.01	0.01	0.01	0.01	ND	0.01	ND	0.01	ND	ND	0.02	ND.
.ESTANHO	MG/L		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.
.MERCURIO	MG/L		L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002.
.ZINCO	MG/L		0.02	0.02	0.01	0.05	0.02	0.01	0.02	L0.001	L0.001	0.01	0.03	0.01.
.FENOL	MG/L	1.0	L0.001	L0.001	**0.0020	L0.001	L0.001	**0.0030	0.0010	0.0010	**0.0020	**0.0020	**0.0030	0.0010.
INDICE DE TOXIDEZ.			1	1	0	1	1	0	1	1	0	0	0	1 .
.TEMP.AR	-GR.C		26.	25.	30.	30.	25.	18.	27.	20.	24.	27.	25.	27..
.CO.F.NMP/	100ML		78.	240.	2.2	59.	54.	170.	49.	240.	240.	240.	540.	350..
.FERRO	MG/L		6.88	10.0	8.42	3.32	3.49	3.33	4.28	3.69	3.54	5.04	10.2	3.75.
.MANGANES	MG/L		0.18	0.25	0.13	0.22	0.20	0.35	0.40	0.25	0.20	0.23	0.03	0.30.
.NIQUEL	MG/L		0.02	0.04	0.02	0.01	0.01	ND	ND	0.01	ND	0.01	0.02	ND.
.CLORETO	MG/L		4.0	6.5	3.0	3.5	3.0	4.0	4.5	4.0	5.0	4.0	5.5	7.0.
.DUREZA	MG/L		18.	16.	16.	9.	11.	16.	25.	22.	30.	15.	43.	42..
.SURFACT.	MG/L		L0.04	0.10	L0.04	L0.04	L0.04	0.07	0.05	L0.04	L0.04	0.04	L0.04	L0.04.
.N.NITRATO	MG/L		0.11	0.08	0.24	0.49	0.52	0.32	0.23	0.07	0.04	0.24	0.04	0.19.
.N.NITRITO	MG/L		0.02	0.05	0.02	0.05	0.05	0.07	0.09	0.07	0.20	0.06	0.02	L0.01.
.N.AMONIACAL	MG/L		0.36	0.11	0.29	0.13	0.49	0.23	0.38	0.35	0.47	0.35	0.27	0.33.
.NITROGENIO	MG/L		1.65	0.93	0.93	0.48	0.54	0.63	0.85	0.72	1.14	0.80	1.14	1.21.
.RES.FIXO	MG/L		117.	153.	117.	84.	83.	75.	69.	58.	71.	101.	165.	74..
.RES.VOLAT.	MG/L		65.	63.	50.	35.	28.	33.	24.	43.	32.	30.	44.	49..
.COLORACAO			MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	MARROM	TURVA	TURVA	MARROM	MARROM	TURVA.
.CHUVAS			SIM	SIM	NAO	NAO	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TURVO, PONTE NA RODOVIA SAO JOSE DO RIO PRETO-BARRETOS ANO - 83

CODIGO DO LOCAL - 00SP81TU2250 CLASSE - 2 BACIA - TURVO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/11.45	FEV 01/12.25	MAR 03/10.30	ABR 05/12.20	MAI 03/11.30	JUN 07/11.55	JUL 06/11.30	AGO 02/11.30	SET 01/11.30	OUT 04/11.30	NOV 03/10.10	DEZ 05/09.30
TEMP.AGUA	GR.C		26.	26.	27.	28.	25.	21.	21.	19.	20.	20.	20.	21.
PH	UNID.PH		7.2	7.1	6.2	6.9	7.1	6.3	6.7	6.4	6.5	6.5	6.5	6.5
OX.DISSOL	MG/L	5	6.0 *	4.4 *	4.3 *	4.9	6.8	5.6	7.9	8.0	7.3	4.7 *	6.5	7.2
DBO(5,20)	MG/L	5	1.	1.	1.	2.	1.	2.	1.	3.	2.	1.	1.	1.
CO.F.NMP/100ML		1000	1.3 *	3.3 *	13. *	1.7 *	2.3	0.33 *	7.	0.17 *	3.3	0.49	0.23 *	4.6
N.TOTAL	MG/L		0.13	0.22	0.32	0.37	0.22	0.67	0.29	0.51	0.63	0.29	0.40	0.51
FOSF.TOT.	MG/L		0.055	0.005	L0.005	0.005	0.010	0.055	L0.005	0.045	0.010	0.075	0.005	0.005
RES.TOTAL	MG/L		116.	100.	76.	73.	89.	208.	88.	71.	95.	86.	74.	114.
TURBIDEZ	UNT		70.	75.	25.	22.	25.	176.	13.	13.	7.0	17.	10.	18.
	I.Q.A.		65.	57.	55.	66.	63.	56.	66.	75.	66.	66.	75.	65.
BARIO	MG/L	1.0	0.11	0.08	0.09	0.05	0.04	0.04	0.15	0.09	0.15	L0.50	L0.50	L0.50
CALMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMIO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.01	0.01	ND	0.03	ND	0.01	ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.05	ND	0.01	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	0.01	0.02	L0.001	0.01	0.02	0.02	0.01	L0.001	0.01	L0.001	0.01	L0.003
FENOL	MG/L	0.001	0.0010	L0.001	L0.001	$0.0050	0.0010	$0.0040	L0.001	$0.0020	0.0010	0.0010	$0.0020	L0.001
INDICE DE TOXIDEZ.			1	1	1	0	1	0	1	0	1	1	0	1
TEMP.AR	-GR.C		36.	28.	30.	26.	28.	19.	23.	17.	23.	27.	25.	26.
CO.T.NMP/100ML		5000	23. *	9.2 *	17. *	18. *	3.3	24. *	54.*	4.9	3.3	13. *	4.9 *	7.
FERRO	MG/L		3.52	1.78	1.49	0.97	2.22	9.98	1.66	2.38	3.04	1.10	0.80	3.16
MANGANES	MG/L		0.06	0.03	0.03	0.05	0.06	0.06	0.05	0.20	0.16	0.04	0.19	0.19
NIQUEL	MG/L		0.01	0.01	ND	ND	ND	0.03	ND	0.01	ND	ND	ND	ND
CLORETO	MG/L		2.5	5.0	2.0	2.0	2.0	2.5	4.0	3.0	2.5	3.0	3.0	4.5
[illegible]			16.	9.	9.	6.	8.	15.	4.	5.	9.	8.	6.	9.
SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04
N.NITRATO	MG/L	10.0	0.06	0.06	0.07	0.19	0.17	0.10	0.08	0.23	0.01	0.11	0.08	0.14
N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	0.01	0.01	L0.01	L0.01	0.01	L0.01	L0.01	L0.01
N.AMONIACAL	MG/L	0.5	0.01	L0.01	0.04	0.01	L0.01	0.09	0.04	0.21	0.16	0.03	0.05	0.18
NITROGENIO	MG/L		0.06	0.15	0.24	0.17	0.04	0.56	0.20	0.27	0.61	0.17	0.31	0.36
RESIDUO FIXO	MG/L		86.	60.	58.	35.	64.	169.	65.	58.	62.	56.	40.	75.
RESIDUO VOLAT.	MG/L		36.	40.	18.	38.	25.	39.	23.	13.	33.	30.	34.	39.
COLORACAO			MARROM	MARROM	MARROM	TURVA	MARROM	MARROM	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO TURVO, NA FAZENDA STA MAURA, DIVISA DE NOVA GRANADA E ICEM — ANO - 83

CODIGO DO LOCAL - 00SP81TL2500 — CLASSE - 2 — BACIA - TURVO

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (§) DA CLASSE E DO II

PARAMETROS	UNID	PADROES DEC8468	JAN 04/09.45	FEV 01/10.30	MAR 03/10.00	ABR 05/10.00	MAI 03/08.55	JUN 07/09.45	JUL 06/09.00	AGO 02/09.30	SET 01/09.00	OUT 04/09.00	NOV 03/08.10	DEZ 05/09.05
TEMP.AGUA	GR.C		27.	26.	27.	27.	25.	21.	21.	19.	20.	20.	20.	20.
PH	UNID.PH		6.7	7.2	6.4	6.8	6.8	6.4	6.7	6.5	6.5	6.7	6.7	6.6
OXI.DISSOL	MG/L	5	* 3.9	* 4.6	* 3.7	5.4	5.3	6.0	7.5	8.2	8.0	5.1	6.8	6.6
DBO(5,20)	MG/L	5	1.	L1.	1.	1.	1.	2.	1.	2.	2.	L1.	1.	1.
COL.F.NMP/100ML		1000	0.33	* 13.	* 2.3	0.49	* 4.9	0.017	* 1.7	0.22	* 4.9	* 7.	0.33	0.13
N.TOTAL	MG/L		0.11	0.20	0.40	0.23	0.14	0.79	0.36	0.50	0.45	0.39	0.52	0.53
FOSFATO	MG/L		0.015	0.035	L0.005	0.010	0.010	0.050	L0.005	0.020	L0.005	0.025	0.010	0.005
RES.TOTAL	MG/L		94.	95.	77.	78.	119.	231.	85.	76.	102.	92.	77.	103.
TURBIDEZ	UNT		46.	75.	26.	21.	95.	176.	13.	8.0	8.0	18.	10.	19.
	I.Q.A.		64.	54.	58.	72.	57.	63.	71.	77.	66.	60.	76.	76.
BARIO	MG/L	1.0	0.11	0.08	0.11	0.07	0.02	0.04	0.07	0.06	0.09	L0.50	L0.50	L0.50
CADMIO	MG/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBRE	MG/L	1.0	0.01	ND	ND	0.01	ND	0.01	ND	ND	ND	ND	ND	ND
CROMO	MG/L	0.05	ND	0.01	ND	ND	0.01	0.01	ND	ND	ND	ND	ND	ND
ESTANHO	MG/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURIO	MG/L	0.002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002	L.0002
ZINCO	MG/L	5.0	0.01	0.02	0.01	0.11	0.02	0.02	0.01	L0.001	L0.001	L0.001	0.03	0.01
FENOL	MG/L	0.001	L0.001	0.0010	L0.001	§0.0030	L0.001	§0.0030	L0.001	§0.0030	0.0010	§0.0020	§0.0040	L0.001
INDICE DE TOXIDEZ.			1	1	1	0	1	0	1	0	1	0	0	1
TEMP.AR	GR.C		28.	27.	29.	26.	26.	19.	21.	16.	22.	25.	23.	25.
COL.F.NMP/100ML		5000	* 14.	* 35.	3.3	* 11.	* 11.	* 54.	* 13.	2.3	4.9	* 54.	* 11.	2.3
FERRO	MG/L		2.32	1.84	1.46	0.81	4.54	9.76	1.59	1.45	2.90	1.62	1.00	2.21
MANGANES	MG/L		0.03	0.03	0.03	0.04	0.06	0.05	0.06	0.08	0.12	0.05	0.03	0.12
NIQUEL	MG/L		0.01	0.02	ND	ND	0.01	0.03	ND	ND	ND	ND	ND	ND
CLORETO	MG/L		2.0	3.5	2.5	2.0	2.5	2.5	2.5	2.5	2.0	2.5	2.5	4.5
DUREZA	MG/L		10.	9.	8.	6.	9.	14.	5.	4.	8.	7.	8.	5.
SURFACT.	MG/L		L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	L0.04	0.04	L0.04	L0.04
N.NITRATO	MG/L	10.0	0.04	0.06	0.08	0.09	0.01	0.10	0.17	0.17	0.06	0.16	0.11	0.10
N.NITRITO	MG/L	1.0	L0.01	L0.01	L0.01	L0.01	0.12	0.01	L0.01	0.01	0.01	0.01	L0.01	L0.01
N.AMONIAC	MG/L	0.5	0.01	L0.01	0.23	0.01	L0.01	0.14	L0.01	0.08	0.06	0.04	0.06	0.08
NITROGENIO	MG/L		0.06	0.13	0.31	0.13	0.01	0.68	0.18	0.32	0.38	0.22	0.40	0.42
RES.FIXO	MG/L		56.	63.	52.	50.	91.	184.	56.	55.	56.	48.	43.	76.
RES.VOLAT.	MG/L		38.	32.	25.	28.	28.	47.	29.	21.	46.	44.	34.	27.
COLORACAO			MARROM	MARROM	MARROM	TURVA	MARROM	MARROM	TURVA	TURVA	TURVA	TURVA	TURVA	TURVA
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	SIM	SIM	NAO

VAZAO M3/S

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO SAO JOSE DOS DOURADOS, PONTE NA ROD. AURIFLAMA-DIRCE REIS ANO - 83

CODIGO DO LOCAL - 00SP82JD2300 CLASSE - 2 BACIA - SAO JOSE DOS DOURADOS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT (&) DA CLASSE E DO IT

PARAMETROS		PADROES DEC 8468	JAN 04/11.20	FEV 01/11.45	MAR 01/11.30	ABR 05/11.30	MAI 02/13.30	JUN 06/11.25	JUL 05/11.15	AGO 03/10.50	SET 01/10.25	OUT 04/10.20	NOV 08/11.10	DEZ 06/11.20
TEMP.AGUA	GR.C		27.	25.	23.	26.	35.	20.	21.	19.	20.	20.	26.	27..
PH	UNID.PH		7.0	7.2	7.3	6.8	7.1	7.2	7.3	7.5	7.3	7.1	7.2	7.1.
OX.DISSOL	MG/L	5	7.2	7.0	7.8	8.2	8.3	9.1	9.4	9.5	7.5	8.3	8.8	8.0.
DBO(5,20)	MG/L	5	2.	1.	3.	2.	1.	1.	1.	1.	2.	2.	1.	11..
COL.F.NMP/100ML		1000	0.54	* 4.9	0.033	0.35	0.079	0.033	0.049	0.24	0.54	* 9.2	0.54	* 5.4.
N.TOTAL	MG/L		0.39	0.83	0.55	0.80	0.43	0.41	0.43	0.39	0.41	0.41	0.41	0.61.
FOSF.TOT.	MG/L		0.037	0.148	L0.022	0.049	0.061	0.025	L0.022	0.046	0.034	0.043	0.100	0.040.
RES.TOTAL	MG/L		133.	236.	122.	118.	162.	111.	84.	98.	90.	118.	102.	141..
TURBIDEZ	UNT		72.	140.	32.	28.	93.	57.	19.	18.	15.	18.	37.	21..
	I.Q.A.		66.	52.	80.	74.	71.	80.	82.	78.	73.	64.	72.	66..
BARIO	MG/L													
CADMIO	MG/L													
CROMO	MG/L													
COBRE	MG/L													
CROMO	MG/L													
ESTANHO	MG/L													
MERCURIO	MG/L													
ZINCO	MG/L													
FENOL	MG/L													
INDICE DE TOXIDEZ.														
TEMP.AR	-GR.C		34.	26.	33.	32.	36.	22.	27.	21.	17.	28.	34.	32..
COL.T.NMP/100ML		5000	1.6	4.9	0.24	0.92	0.24	0.24	0.79	0.54	0.92	* 9.2	0.92	* 5.4.
FERRO	MG/L													
MANGANES	MG/L													
NIQUEL	MG/L													
CLORETO	MG/L		2.0	1.6	2.2	1.7	3.7	2.5	1.9	2.6	1.6	1.7	1.9	1.4.
DUREZA	MG/L		22.	24.	12.	11.	8.	14.	7.	3.	3.	13.	11.	10..
SURFACT.	MG/L													
N.NITRATO	MG/L	10.0	0.069	0.096	0.073	0.125	0.206	0.078	0.125	0.125	0.185	0.106	0.101	0.106.
N.NITRITO	MG/L	1.0	L0.003	L0.003	L0.003	0.003	0.005	L0.003	L0.003	L0.003	0.003	0.003	0.008	L0.003.
N.AMONIACAL	MG/L	0.5	L0.08	L0.08	L0.08	0.23	L0.08	L0.08	0.10	L0.08	L0.08	L0.08	L0.09	L0.08.
NITROGENIO	MG/L		0.314	0.728	0.469	0.670	0.220	0.331	0.302	0.266	0.218	0.301	0.301	0.505.
RES.FIXO	MG/L													
RES.VOLAT.	MG/L													
COLORACAO			TURVA	TURVA	TURVA	LIMPID	TURVA	TURVA	LIMPID	LIMPID	LIMPID	LIMPID	TURVA	TURVA.
CHUVAS			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
VAZAO INSTAN TANEA	M3/S		37.4	76.4	41.0	33.9	22.7	57.0	27.4	24.2	17.7	22.7	33.2	21.3.

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

G=MAIOR OU IGUAL L=MENOR

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO GRANDE, PONTE NA RCD. BR-153, A JUSANTE DA USINA MARIMBONDO ANO - 83

CODIGO DO LOCAL - 00SP91RG9100 CLASSE - 2 BACIA - GRANDE-VERTENTES PARCIAIS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS	PADROES DEC 8468	JAN 04/10.35	FEV 01/11.35	MAR 03/11.00	ABR 05/11.15	MAI 03/10.00	JUN 07/10.30	JUL 06/10.00	AGO 02/10.15	SET 01/09.30	OUT 04/10.10	NOV 03/08.50	DEZ. 05/10.10
.TEMP.AGUA GR.C		25.	27.	25.	28.	24.	21.	23.	20.	20.	20.	19.	20..
.PH UNID.PH		7.5	7.3	7.2	7.2	7.2	6.9	6.9	6.9	7.2	7.2	7.2	7.3.
.OX.DISSOL MG/L	5	9.8	10.4	10.0	10.0	10.3	11.6	11.2	10.7	10.0	9.9	11.2	8.4.
.DBO(5,20) MG/L	5	1.	L1.	1.	L1.	1.	L1.	1.	1.	1.	1.	1.	1..
.CO.F.NMP/100ML	1000	0.08	0.46	0.02	0.002	0.002	0.002	0.02	0.08	* 35.	0.002	0.05	0.05.
.N.TOTAL MG/L		0.17	0.07	0.29	0.16	0.11	0.18	0.18	0.05	0.09	0.18	0.12	0.31.
.FOSF.TOT. MG/L		0.065	0.005	0.010	0.005	0.005	0.010	0.010	0.010	L0.005	0.025	0.010	0.010.
.RES.TOTAL MG/L		55.	54.	46.	44.	33.	40.	40.	37.	59.	52.	44.	39..
.TOXIDEZ UNT		25.	50.	22.	24.	14.	8.0	7.0	8.4	2.3	12.	12.	6.1.
I.Q.A.		78.	70.	83.	87.	89.	89.	83.	81.	61.	91.	81.	85..
.BARIO MG/L													
.CADMIO MG/L													
.CHUMBO MG/L													
.COBRE MG/L													
.CROMO MG/L													
.ESTANHO MG/L													
.MERCURIO MG/L													
.ZINCO MG/L													
.FENOL MG/L													
INDICE DE TOXIDEZ.													
.TEMP.AR -GR.C		29.	28.	30.	26.	25.	19.	22.	18.	23.	26.	24.	25..
.CO.T.NMP/100ML	5000	4.6	2.8	0.02	0.14	0.11	0.07	0.13	0.33	* 35.	0.23	0.49	0.08.
.FERRO MG/L													
.MANGANES MG/L													
.NIQUEL MG/L													
.CLORETO MG/L		2.5	3.5	2.0	1.5	1.0	1.5	2.0	1.5	2.0	2.0	2.0	3.0.
.O.N.D MG/L		4.	3.	4.	2.	4.	4.	5.	3.	2.	5.	3.	3..
.SURFACT. MG/L													
.N.NITRATO MG/L	10.0	0.67	0.05	0.11	0.12	0.09	0.10	0.07	L0.01	0.02	0.13	0.04	0.06.
.N.NITRITO MG/L	1.0	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01	L0.01.
.N.AMONIACAL MG/L	0.5	L0.01	L0.01	0.11	0.01	L0.01	0.03	L0.01	0.03	0.01	L0.01	0.01	L0.01.
.NI.ORGANICO MG/L		0.09	0.01	0.17	0.03	0.01	0.07	0.10	0.03	0.06	0.04	0.07	0.24.
.RES.FIXO MG/L													
.RES.VOLAT. MG/L													
.COLORACAO		MARROM	MARROM	MARROM	TURVA	VERDE	VERDE	VERDE	VERDE	VERDE	VERDE	VERDE	VERDE.
.CHUVAS		SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	SIM	NAO.
.VAZAO M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

RESULTADOS DOS PARAMETROS E INDICADORES DE QUALIDADE DAS AGUAS

LOCAL - RIO PARANA, 1,5KM A JUSANTE DA BARRAGEM DE JUPIA ANO - 83

CODIGO DO LOCAL - 00SP92PA9200 CLASSE - 2 BACIA - PARANA-VERTENTES PARCIAIS

NAO ATENDEM AOS LIMITES - (*) DA CLASSE (**) DO IT ($) DA CLASSE E DO IT

PARAMETROS		PADROES DEC8468	JAN 04/07.15	FEV 01/07.40	MAR 01/08.00	ABR 05/07.00	MAI 02/07.10	JUN 06/08.00	JUL 05/07.15	AGO 03/06.55	SET 01/07.00	OUT 04/07.00	NOV 08/07.50	DEZ. 06/08.00.
.TEMP.AGUA	GR.C		27.	26.	26.	27.	27.	22.	21.	20.	19.	20.	25.	25..
.PH	UNID.PH		6.8	7.0	6.9	7.4	7.2	7.8	7.5	7.2	7.6	7.4	7.1	7.2.
.OX.DISSOL	MG/L	5	9.0	8.6	7.6	9.0	9.2	9.6	11.0	11.5	11.6	10.3	10.0	10.0.
.DBO(5,20)	MG/L	5	2.	1.	3.	1.	1.	1.	1.	1.	L1.	1.	1.	L1..
.CO.F.NMP/100ML		1000	0.049	0.79	0.049	0.033	0.079	0.13	0.023	0.13	0.049	0.033	0.023	0.033.
.N.TOTAL	MG/L		0.43	0.50	0.50	0.39	0.48	0.46	0.41	0.36	0.41	0.39	0.58	0.40.
.FOSF.TOT.	MG/L		L0.022	0.087	L0.022	0.043	0.064	0.028	L0.022	L0.022	0.046	L0.022	0.034	L0.022.
.RES.TOTAL	MG/L		58.	210.	90.	69.	128.	80.	50.	64.	64.	76.	56.	111..
.TURBIDEZ	UNT		8.9	24.	31.	26.	39.	27.	14.	13.	22.	18.	21.	5.8.
	I.Q.A.		81.	72.	79.	82.	77.	78.	83.	78.	80.	83.	83.	84..
.BARIO	MG/L													
.CADMIO	MG/L													
.CROMO6	MG/L													
.COBRE	MG/L													
.CROMO	MG/L													
.ESTANHO	MG/L													
.MERCURIO	MG/L													
.ZINCO	MG/L													
.FENOL	MG/L													
. INDICE DE TOXIDEZ.														
.TEMP.AR	-GR.C		26.	25.	28.	28.	24.	18.	20.	15.	16.	24.	28.	26..
.CO.T.NMP/100ML		5000	0.13	* 5.4	0.92	0.35	0.54	0.54	0.049	1.6	0.049	0.079	0.35	0.24.
.FERRO	MG/L													
.MANGANES	MG/L													
.NIQUEL	MG/L													
.CLORETO	MG/L		3.1	2.8	2.9	1.8	3.3	2.3	2.3	1.5	2.9	1.6	3.0	1.3.
.DUREZA	MG/L		16.	9.	11.	8.	9.	5.	5.	3.	2.	9.	7.	6..
.SURFACT.	MG/L													
.N.NITRATO	MG/L	10.0	0.078	0.125	0.125	0.115	0.180	0.196	0.135	0.092	0.239	0.150	0.239	0.115.
.N.NITRITO	MG/L	1.0	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	L0.003	0.003	0.004	0.004.
.N.AMONIACAL	MG/L	0.5	L0.08	0.10	L0.08	0.16	L0.08	L0.08	0.10	L0.08	0.10	L0.08	0.12	L0.08.
.NITROGENIO.	MG/L		0.347	0.367	0.469	0.270	0.298	0.259	0.271	0.266	0.171	0.234	0.338	0.282.
.RES.FIXO	MG/L													
.RES.VOLAT.	MG/L													
.COLORACAO			LIMPID	TURVA	TURVA	LIMPID	TURVA	TURVA	LIMPID	LIMPID	LIMPID	LIMPID	LIMPID	LIMPIC.
.ODORES			SIM	SIM	SIM	NAO	NAO	SIM	NAO	NAO	NAO	NAO	NAO	NAO.
.VAZAO	M3/S													

OBS - NOS PARAMETROS COLI.FECAL E COLI.TOTAL OS VALORES IMPRESSOS DEVEM SER MULTIPLICADOS POR 1000.

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