

Dados Finais da Rede de Esgotos - Global

17/10/2008 às 15:46h

Benedito Leite

Bacia Única

Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
091-001	PV12.2	PV11.21	74.00	169.146	166.205	168.096	165.155	1.050	1.050	150	0.03974	0.00	0.00	0.04	0.06	0.89	0.89	2.23	5.58	15	15	DG 0.001
091-002	PV11.21	PV11.1	10.00	166.205	165.896	165.154	164.845	1.051	1.051	150	0.03090	0.00	0.00	0.04	0.07	0.82	0.82	2.29	4.59	16	16	TQ 0.574
090-001	PV2.4	PV1.2	57.00	169.559	166.396	168.509	165.346	1.050	1.050	150	0.05549	0.00	0.00	0.03	0.04	1.00	1.00	2.14	7.23	14	14	TQ 1.021
089-007	PV1.6	PV1.3	30.00	174.829	171.846	173.779	170.796	1.050	1.050	150	0.09943	0.00	0.00	0.02	0.02	1.23	1.23	2.01	11.36	12	12	
088-001	PV2.3	PV1.5	30.00	176.428	173.882	175.378	172.832	1.050	1.050	150	0.08487	0.00	0.00	0.02	0.02	1.16	1.16	2.04	10.05	13	13	DG 0.009
088-002	PV1.5	PV1.4	25.00	173.882	173.492	172.823	172.433	1.059	1.059	150	0.01560	0.00	0.00	0.03	0.04	0.64	0.64	2.47	2.69	19	19	
088-003	PV1.4	PV1.3	30.00	173.492	171.846	172.433	170.796	1.059	1.050	150	0.05457	0.00	0.00	0.04	0.07	1.00	1.00	2.15	7.13	14	14	
088-004	PV1.3	PV1.2	56.00	171.846	166.396	170.796	164.346	1.050	2.050	150	0.11518	0.00	0.00	0.09	0.13	1.30	1.30	1.98	12.73	12	12	DG 0.021
088-005	PV1.2	PV1.1	7.00	166.396	166.146	164.325	164.293	2.071	1.853	150	0.00455	0.05	0.05	0.17	0.23	0.41	0.41	2.83	1.03	26	26	
088-006	PV1.1	PV001	89.00	166.146	164.850	164.293	163.800	1.853	1.050	150	0.00554	0.00	0.00	0.22	0.30	0.44	0.44	2.77	1.20	25	25	TQ 1.104
087-001	PV2.4	PV5.35	89.00	169.559	167.920	168.509	166.870	1.050	1.050	150	0.01842	0.00	0.00	0.05	0.07	0.68	0.68	2.42	3.07	18	18	DG 0.001
086-001	PV2.3	PV5.34	93.00	176.428	172.972	175.378	171.922	1.050	1.050	150	0.03716	0.00	0.00	0.05	0.07	0.87	0.87	2.24	5.29	15	15	DG 0.058
085-001	PV2.2	PV5.33	61.00	176.646	172.973	175.596	171.923	1.050	1.050	150	0.06021	0.00	0.00	0.03	0.05	1.03	1.03	2.13	7.70	14	14	DG 0.018
085-002	PV5.33	PV5.34	9.00	172.973	172.972	171.905	171.864	1.068	1.108	150	0.00455	0.00	0.00	0.04	0.05	0.41	0.41	2.83	1.03	26	26	
085-003	PV5.34	PV5.35	82.00	172.972	167.920	171.864	166.870	1.108	1.050	150	0.06090	0.00	0.00	0.13	0.19	1.04	1.04	2.12	7.77	14	14	DG 0.001
085-004	PV5.35	PV2.1	17.00	167.920	167.057	166.869	166.006	1.051	1.051	150	0.05076	0.00	0.00	0.18	0.27	0.97	0.97	2.17	6.75	14	14	
085-005	PV2.1	PV002	48.00	167.057	164.658	166.006	163.608	1.051	1.050	150	0.04996	0.00	0.00	0.21	0.31	0.97	0.97	2.17	6.66	14	14	TQ 0.888
084-001	PV5.35	PV005	81.00	167.920	165.488	166.870	164.438	1.050	1.050	150	0.03002	0.00	0.00	0.04	0.06	0.81	0.81	2.30	4.49	16	16	TQ 1.434
083-001	PV5.34	PV6.4	77.00	172.972	169.846	171.922	168.796	1.050	1.050	150	0.04060	0.00	0.00	0.04	0.06	0.90	0.90	2.22	5.67	15	15	DG 0.003
082-001	PV5.33	PV5.30	18.00	172.973	172.874	171.923	171.824	1.050	1.050	150	0.00550	0.00	0.00	0.01	0.01	0.44	0.44	2.77	1.19	25	25	DG 0.005
081-001	PV5.32	PV5.31	63.00	182.657	177.317	181.607	176.267	1.050	1.050	150	0.08476	0.00	0.00	0.03	0.05	1.16	1.16	2.05	10.04	13	13	
081-002	PV5.31	PV5.29	12.00	177.317	176.146	176.267	175.096	1.050	1.050	150	0.09758	0.00	0.00	0.04	0.06	1.22	1.22	2.01	11.20	12	12	DG 0.003

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081-003	PV5.29	PV5.30	66.00	176.146	172.874	175.093	171.821	1.053	1.053	150	0.04958	0.00	0.00	0.07	0.11	0.96	0.96	2.17	6.62	14	14	DG 0.002
081-004	PV5.30	PV6.3	60.00	172.874	170.441	171.819	169.389	1.055	1.052	150	0.04050	0.00	0.00	0.11	0.17	0.90	0.90	2.22	5.66	15	15	
080-001	PV5.29	PV5.1	55.00	176.146	173.829	175.096	172.779	1.050	1.050	150	0.04213	0.00	0.00	0.03	0.04	0.91	0.91	2.21	5.84	15	15	DG 0.004
079-001	PV8.5	PV5.1	83.00	176.673	173.829	175.623	172.779	1.050	1.050	150	0.03427	0.00	0.00	0.04	0.06	0.85	0.85	2.26	4.97	16	16	DG 0.004
078-001	PV5.18	PV5.28	66.00	202.819	201.751	201.769	200.701	1.050	1.050	150	0.01618	0.00	0.00	0.03	0.05	0.65	0.65	2.46	2.77	19	19	DG 0.004
078-002	PV5.28	PV5.27	71.00	201.751	201.063	200.697	200.009	1.054	1.054	150	0.00969	0.00	0.00	0.07	0.11	0.54	0.54	2.60	1.86	21	21	DG 0.001
078-003	PV5.27	PV5.21	50.00	201.063	200.646	200.008	199.595	1.055	1.051	150	0.00826	0.00	0.00	0.10	0.15	0.51	0.51	2.65	1.64	22	22	
078-004	PV5.21	PV5.26	96.00	200.646	199.146	199.595	198.096	1.051	1.050	150	0.01561	0.00	0.00	0.15	0.22	0.64	0.64	2.47	2.70	19	19	
078-005	PV5.26	PV5.25	89.00	199.146	195.146	198.096	194.096	1.050	1.050	150	0.04494	0.00	0.00	0.19	0.29	0.93	0.93	2.20	6.14	15	15	
078-006	PV5.25	PV5.24	13.00	195.146	194.146	194.096	193.096	1.050	1.050	150	0.07692	0.01	0.01	0.21	0.31	1.12	1.12	2.07	9.31	13	13	
078-007	PV5.24	PV5.23	68.00	194.146	187.901	193.096	186.851	1.050	1.050	150	0.09184	0.00	0.00	0.25	0.36	1.20	1.20	2.03	10.68	12	12	DG 0.003
078-008	PV5.23	PV5.22	81.00	187.901	184.059	186.848	183.006	1.053	1.053	150	0.04743	0.00	0.00	0.29	0.43	0.95	0.95	2.18	6.40	14	14	
078-009	PV5.22	PV8.4	63.00	184.059	181.311	183.006	180.261	1.053	1.050	150	0.04357	0.00	0.00	0.32	0.48	0.92	0.92	2.20	5.99	15	15	TQ 1.453
077-001	PV5.21	PV5.20	93.00	195.028	190.329	193.978	189.279	1.050	1.050	150	0.05053	0.00	0.00	0.05	0.07	0.97	0.97	2.17	6.72	14	14	
077-002	PV5.20	PV5.19	63.00	190.329	182.562	189.279	181.512	1.050	1.050	150	0.12329	0.00	0.00	0.08	0.12	1.33	1.33	1.96	13.42	12	12	DG 0.005
077-003	PV5.19	PV5.6	26.00	182.562	181.396	181.507	180.341	1.055	1.055	150	0.04485	0.00	0.00	0.09	0.14	0.93	0.93	2.20	6.13	15	15	TQ 0.904
076-001	PV5.18	PV5.17	67.00	202.819	198.630	201.769	197.580	1.050	1.050	150	0.06252	0.00	0.00	0.03	0.05	1.05	1.05	2.12	7.93	14	14	
076-002	PV5.17	PV5.13	61.00	198.630	188.207	197.580	187.157	1.050	1.050	150	0.17087	0.00	0.00	0.07	0.10	1.49	1.49	1.89	17.28	11	11	DG 0.006
075-001	PV9.7	PV5.13	65.00	193.090	188.207	192.040	187.157	1.050	1.050	150	0.07512	0.00	0.00	0.03	0.05	1.12	1.12	2.07	9.14	13	13	DG 0.006
074-001	PV5.11	PV5.16	70.00	200.957	196.146	199.907	195.096	1.050	1.050	150	0.06873	0.00	0.00	0.04	0.05	1.08	1.08	2.09	8.53	13	13	
074-002	PV5.16	PV5.15	7.00	196.146	195.646	195.096	194.596	1.050	1.050	150	0.07143	0.00	0.00	0.04	0.06	1.10	1.10	2.08	8.79	13	13	
074-003	PV5.15	PV5.14	90.00	195.646	189.432	194.596	188.382	1.050	1.050	150	0.06904	0.00	0.00	0.09	0.13	1.08	1.08	2.09	8.56	13	13	DG 0.005

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074-004	PV5.14	PV5.13	44.00	189.432	188.207	188.377	187.152	1.055	1.055	150	0.02784	0.00	0.00	0.11	0.16	0.79	0.79	2.32	4.23	16	16	DG 0.001
074-005	PV5.13	PV5.12	83.00	188.207	184.146	187.151	183.095	1.056	1.051	150	0.04887	0.00	0.00	0.25	0.38	0.96	0.96	2.18	6.55	14	14	DG 0.003
074-006	PV5.12	PV5.6	102.00	184.146	181.396	183.092	180.343	1.054	1.053	150	0.02695	0.00	0.00	0.31	0.46	0.78	0.78	2.32	4.12	17	17	TQ 0.906
073-001	PV17.15	PV5.11	99.00	201.890	200.957	200.840	199.907	1.050	1.050	150	0.00942	0.00	0.00	0.05	0.08	0.54	0.54	2.61	1.82	22	22	
073-002	PV5.11	PV5.10	97.00	200.957	196.087	199.907	195.037	1.050	1.050	150	0.05021	0.00	0.00	0.10	0.15	0.97	0.97	2.17	6.69	14	14	DG 0.002
073-003	PV5.10	PV9.7	87.00	196.087	193.090	195.035	192.038	1.052	1.052	150	0.03445	0.00	0.00	0.15	0.22	0.85	0.85	2.26	4.99	16	16	DG 0.005
073-004	PV9.7	PV5.9	82.00	193.090	191.784	192.033	190.729	1.057	1.055	150	0.01590	0.00	0.00	0.19	0.28	0.65	0.65	2.46	2.74	19	19	
073-005	PV5.9	PV5.8	84.00	191.784	189.635	190.729	188.585	1.055	1.050	150	0.02552	0.00	0.00	0.23	0.35	0.76	0.76	2.34	3.95	17	17	
073-006	PV5.8	PV9.8	27.00	189.635	188.346	188.585	187.296	1.050	1.050	150	0.04774	0.00	0.00	0.25	0.37	0.95	0.95	2.18	6.43	14	14	
073-007	PV9.8	PV5.7	78.00	188.346	180.722	187.296	179.672	1.050	1.050	150	0.09774	0.00	0.00	0.29	0.43	1.22	1.22	2.01	11.21	12	12	DG 0.021
073-008	PV5.7	PV5.6	47.00	180.722	181.396	179.651	179.438	1.071	1.958	150	0.00455	0.00	0.00	0.31	0.47	0.41	0.41	2.83	1.03	26	26	DG 0.001
073-009	PV5.6	PV5.5	90.00	181.396	181.282	179.437	179.028	1.959	2.254	150	0.00455	0.00	0.00	0.76	1.14	0.41	0.41	2.83	1.03	26	26	
073-010	PV5.5	PV8.4	48.00	181.282	181.311	179.028	178.810	2.254	2.501	150	0.00455	0.00	0.00	0.78	1.18	0.41	0.41	2.83	1.03	26	26	DG 0.002
073-011	PV8.4	PV5.4	28.00	181.311	181.216	178.808	178.681	2.503	2.535	150	0.00455	0.00	0.00	1.12	1.67	0.41	0.43	2.89	1.03	26	27	
073-012	PV5.4	PV5.3	28.00	181.216	178.207	178.681	177.157	2.535	1.050	150	0.05443	0.00	0.00	1.13	1.70	1.00	1.03	2.21	7.12	14	15	
073-013	PV5.3	PV5.2	40.00	178.207	175.146	177.157	174.096	1.050	1.050	150	0.07653	0.00	0.00	1.15	1.73	1.12	1.17	2.14	9.27	13	14	DG 0.002
073-014	PV5.2	PV5.1	24.00	175.146	173.829	174.094	172.777	1.052	1.052	150	0.05487	0.00	0.00	1.17	1.75	1.00	1.05	2.22	7.17	14	15	DG 0.002
073-015	PV5.1	PV6.3	73.00	173.829	170.441	172.775	169.389	1.054	1.052	150	0.04638	0.00	0.00	1.27	1.91	0.94	1.01	2.31	6.29	15	16	
073-016	PV6.3	PV6.4	8.00	170.441	169.846	169.389	168.796	1.052	1.050	150	0.07413	0.00	0.00	1.39	2.09	1.11	1.23	2.24	9.05	13	15	DG 0.003
073-017	PV6.4	PV005	82.00	169.846	165.488	168.793	164.435	1.053	1.053	150	0.05315	0.00	0.00	1.47	2.21	0.99	1.11	2.35	6.99	14	17	TQ 1.431
072-001	PV6.4	PV6.1	77.00	169.846	169.854	168.796	168.446	1.050	1.408	150	0.00455	0.00	0.00	0.04	0.06	0.41	0.41	2.83	1.03	26	26	
071-001	PV6.3	PV6.2	77.00	170.441	170.079	169.391	169.029	1.050	1.050	150	0.00470	0.00	0.00	0.04	0.06	0.42	0.42	2.82	1.06	26	26	DG 0.005

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070-001	PV8.5	PV8.7	64.00	176.673	171.100	175.623	170.050	1.050	1.050	150	0.08708	0.00	0.00	0.03	0.05	1.17	1.17	2.04	10.25	13	13	DG 0.001
070-002	PV8.7	PV6.2	16.00	171.100	170.079	170.049	169.028	1.051	1.051	150	0.06381	0.00	0.00	0.04	0.06	1.05	1.05	2.11	8.06	13	13	DG 0.004
070-003	PV6.2	PV6.1	7.00	170.079	169.854	169.024	168.800	1.055	1.054	150	0.03200	0.00	0.00	0.09	0.13	0.83	0.83	2.28	4.71	16	16	DG 0.354
070-004	PV6.1	PV006	81.00	169.854	166.320	168.446	165.270	1.408	1.050	150	0.03921	0.00	0.00	0.17	0.25	0.89	0.89	2.23	5.52	15	15	TQ 2.118
069-001	PV8.6	PV8.8	7.00	170.576	170.206	169.526	169.156	1.050	1.050	150	0.05286	0.00	0.00	0.00	0.01	0.99	0.99	2.16	6.96	14	14	DG 0.002
069-002	PV8.8	PV007	96.00	170.206	166.662	169.154	165.610	1.052	1.052	150	0.03692	0.00	0.00	0.05	0.08	0.87	0.87	2.24	5.27	15	15	TQ 2.336
068-001	PV8.8	PV9.12	71.00	170.206	169.646	169.156	168.596	1.050	1.050	150	0.00789	0.00	0.00	0.04	0.06	0.50	0.50	2.66	1.58	22	22	DG 0.002
067-001	PV8.7	PV8.6	61.00	171.100	170.576	170.050	169.526	1.050	1.050	150	0.00859	0.00	0.00	0.03	0.05	0.52	0.52	2.64	1.69	22	22	
067-002	PV8.6	PV9.11	70.00	170.576	169.846	169.526	168.796	1.050	1.050	150	0.01043	0.00	0.00	0.07	0.10	0.56	0.56	2.58	1.97	21	21	DG 0.002
066-001	PV8.5	PV8.2	66.00	176.673	173.558	175.623	172.508	1.050	1.050	150	0.04720	0.00	0.00	0.03	0.05	0.95	0.95	2.18	6.37	15	15	DG 0.009
065-001	PV9.9	PV8.3	68.00	178.615	175.719	177.565	174.669	1.050	1.050	150	0.04259	0.00	0.00	0.04	0.05	0.91	0.91	2.21	5.89	15	15	DG 0.004
064-001	PV8.4	PV8.3	93.00	181.311	175.719	180.261	174.669	1.050	1.050	150	0.06013	0.00	0.00	0.05	0.07	1.03	1.03	2.13	7.69	14	14	DG 0.004
064-002	PV8.3	PV8.2	85.00	175.719	173.558	174.665	172.504	1.054	1.054	150	0.02542	0.00	0.00	0.13	0.19	0.76	0.76	2.34	3.94	17	17	DG 0.005
064-003	PV8.2	PV9.10	64.00	173.558	172.777	172.499	171.722	1.059	1.055	150	0.01214	0.00	0.00	0.19	0.29	0.59	0.59	2.54	2.22	20	20	
063-001	PV9.8	PV8.1	65.00	188.346	183.427	187.296	182.377	1.050	1.050	150	0.07568	0.00	0.00	0.03	0.05	1.12	1.12	2.07	9.19	13	13	
063-002	PV8.1	PV9.9	54.00	183.427	178.615	182.377	177.565	1.050	1.050	150	0.08911	0.00	0.00	0.06	0.09	1.18	1.18	2.03	10.44	12	12	DG 0.001
063-003	PV9.9	PV9.10	81.00	178.615	172.777	177.564	171.726	1.051	1.051	150	0.07207	0.00	0.00	0.10	0.16	1.10	1.10	2.08	8.85	13	13	DG 0.004
063-004	PV9.10	PV9.11	73.00	172.777	169.846	171.722	168.796	1.055	1.050	150	0.04008	0.00	0.00	0.34	0.51	0.89	0.89	2.22	5.61	15	15	DG 0.002
063-005	PV9.11	PV9.12	8.00	169.846	169.646	168.794	168.594	1.052	1.052	150	0.02500	0.00	0.00	0.41	0.61	0.76	0.76	2.34	3.89	17	17	
063-006	PV9.12	PV008	94.00	169.646	166.010	168.594	164.960	1.052	1.050	150	0.03866	0.00	0.00	0.49	0.74	0.88	0.88	2.23	5.46	15	15	TQ 1.523
062-001	PV9.12	PV13.1	83.00	169.646	169.681	168.596	168.219	1.050	1.462	150	0.00455	0.00	0.00	0.04	0.06	0.41	0.41	2.83	1.03	26	26	
061-001	PV9.11	PV14.1	83.00	169.846	169.962	168.796	168.419	1.050	1.543	150	0.00455	0.00	0.00	0.04	0.06	0.41	0.41	2.83	1.03	26	26	DG 0.001

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Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
060-001	PV9.10	PV15.4	86.00	172.777	172.657	171.727	171.336	1.050	1.321	150	0.00455	0.00	0.00	0.04	0.07	0.41	0.41	2.83	1.03	26	26	
059-001	PV9.9	PV16.5	85.00	178.615	176.527	177.565	175.477	1.050	1.050	150	0.02456	0.00	0.00	0.04	0.07	0.75	0.75	2.35	3.84	17	17	DG 0.003
058-001	PV9.8	PV17.20	82.00	188.346	183.374	187.296	182.324	1.050	1.050	150	0.06063	0.00	0.00	0.04	0.06	1.03	1.03	2.12	7.74	14	14	DG 0.001
057-001	PV9.7	PV17.19	76.00	193.060	192.445	192.010	191.395	1.050	1.050	150	0.00809	0.00	0.00	0.04	0.06	0.51	0.51	2.65	1.61	22	22	
056-001	PV17.15	PV9.6	87.00	201.890	196.063	200.840	195.013	1.050	1.050	150	0.06698	0.00	0.00	0.05	0.07	1.07	1.07	2.10	8.36	13	13	DG 0.002
056-002	PV9.6	PV9.5	46.00	196.063	194.027	195.011	192.975	1.052	1.052	150	0.04426	0.00	0.00	0.07	0.10	0.93	0.93	2.20	6.06	15	15	DG 0.017
056-003	PV9.5	PV9.4	34.00	194.027	194.575	192.958	192.804	1.069	1.771	150	0.00455	0.00	0.00	0.09	0.13	0.41	0.41	2.83	1.03	26	26	
056-004	PV9.4	PV17.19	83.00	194.575	192.445	192.804	191.395	1.771	1.050	150	0.01698	0.00	0.00	0.13	0.19	0.66	0.66	2.45	2.88	19	19	
056-005	PV17.19	PV9.3	94.00	192.445	188.667	191.395	187.617	1.050	1.050	150	0.04019	0.00	0.00	0.22	0.33	0.90	0.90	2.22	5.63	15	15	
056-006	PV9.3	PV9.2	39.00	188.667	186.681	187.617	185.631	1.050	1.050	150	0.05092	0.00	0.00	0.24	0.36	0.97	0.97	2.17	6.76	14	14	DG 0.001
056-007	PV9.2	PV17.20	69.00	186.681	183.374	185.630	182.323	1.051	1.051	150	0.04793	0.00	0.00	0.27	0.41	0.95	0.95	2.18	6.45	14	14	
056-008	PV17.20	PV9.1	76.00	183.374	178.929	182.323	177.879	1.051	1.050	150	0.05847	0.00	0.00	0.36	0.53	1.02	1.02	2.13	7.53	14	14	
056-009	PV9.1	PV16.5	32.00	178.929	176.527	177.879	175.477	1.050	1.050	150	0.07506	0.00	0.00	0.37	0.56	1.12	1.12	2.07	9.14	13	13	DG 0.003
056-010	PV16.5	PV15.4	83.00	176.527	172.657	175.474	171.604	1.053	1.053	150	0.04663	0.00	0.00	0.46	0.69	0.94	0.94	2.19	6.31	15	15	DG 0.268
056-011	PV15.4	PV14.1	75.00	172.657	169.962	171.336	168.912	1.321	1.050	150	0.03232	0.00	0.00	0.54	0.82	0.83	0.83	2.28	4.75	16	16	TQ 0.494
056-012	PV14.1	PV13.1	9.00	169.962	169.681	168.418	168.377	1.544	1.304	150	0.00455	0.00	0.00	0.59	0.89	0.41	0.41	2.83	1.03	26	26	DG 0.158
056-013	PV13.1	PV009	92.00	169.681	166.489	168.219	165.439	1.462	1.050	150	0.03022	0.00	0.00	0.68	1.02	0.81	0.81	2.30	4.51	16	16	TQ 1.826
055-001	PV12.7	PV11.20	29.00	182.088	180.146	181.038	179.096	1.050	1.050	150	0.06697	0.00	0.00	0.02	0.02	1.07	1.07	2.10	8.36	13	13	
055-002	PV11.20	PV11.19	36.00	180.146	176.781	179.096	175.731	1.050	1.050	150	0.09347	0.00	0.00	0.03	0.05	1.20	1.20	2.02	10.83	12	12	DG 0.004
055-003	PV11.19	PV11.6	45.00	176.781	174.700	175.727	173.646	1.054	1.054	150	0.04624	0.00	0.00	0.06	0.09	0.94	0.94	2.19	6.27	15	15	DG 0.011
054-001	PV11.18	PV11.13	53.00	176.453	177.644	175.403	175.162	1.050	2.482	150	0.00455	0.02	0.02	0.04	0.06	0.41	0.41	2.83	1.03	26	26	
053-001	PV11.17	PV11.16	87.00	186.430	185.278	185.380	184.228	1.050	1.050	150	0.01324	0.00	0.00	0.05	0.07	0.61	0.61	2.51	2.37	20	20	

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Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
053-002	PV11.16	PV11.15	75.00	185.278	183.150	184.228	182.100	1.050	1.050	150	0.02837	0.00	0.00	0.08	0.13	0.79	0.79	2.31	4.29	16	16	
053-003	PV11.15	PV11.14	88.00	183.150	180.829	182.100	179.779	1.050	1.050	150	0.02637	0.00	0.00	0.13	0.19	0.77	0.77	2.33	4.06	17	17	
053-004	PV11.14	PV11.13	90.00	180.829	177.644	179.779	176.594	1.050	1.050	150	0.03539	0.00	0.00	0.18	0.26	0.86	0.86	2.26	5.10	16	16	TQ 1.432
053-005	PV11.13	PV11.7	57.00	177.644	175.634	175.162	174.584	2.482	1.050	150	0.01014	0.00	0.00	0.25	0.37	0.55	0.55	2.59	1.93	21	21	DG 0.006
052-001	PV12.9	PV11.11	90.00	186.232	185.446	185.182	184.396	1.050	1.050	150	0.00873	0.00	0.00	0.05	0.07	0.52	0.52	2.63	1.71	22	22	DG 0.003
051-001	PV12.23	PV11.12	94.00	191.580	186.892	190.530	185.842	1.050	1.050	150	0.04987	0.00	0.00	0.05	0.07	0.97	0.97	2.17	6.65	14	14	DG 0.003
051-002	PV11.12	PV11.11	46.00	186.892	185.446	185.839	184.393	1.053	1.053	150	0.03143	0.00	0.00	0.07	0.11	0.82	0.82	2.29	4.65	16	16	
051-003	PV11.11	PV11.10	78.00	185.446	180.209	184.393	179.159	1.053	1.050	150	0.06710	0.00	0.00	0.16	0.24	1.07	1.07	2.10	8.38	13	13	DG 0.002
051-004	PV11.10	PV11.9	37.00	180.209	178.412	179.157	177.360	1.052	1.052	150	0.04857	0.00	0.00	0.18	0.27	0.96	0.96	2.18	6.52	14	14	DG 0.017
051-005	PV11.9	PV11.8	22.00	178.412	178.646	177.343	177.243	1.069	1.403	150	0.00455	0.00	0.00	0.19	0.29	0.41	0.41	2.83	1.03	26	26	
051-006	PV11.8	PV11.7	85.00	178.646	175.634	177.243	174.584	1.403	1.050	150	0.03128	0.00	0.00	0.23	0.35	0.82	0.82	2.29	4.63	16	16	DG 0.006
051-007	PV11.7	PV11.6	77.00	175.634	174.700	174.578	173.644	1.056	1.056	150	0.01213	0.00	0.00	0.52	0.78	0.59	0.59	2.54	2.22	20	20	DG 0.009
051-008	PV11.6	PV11.5	88.00	174.700	173.896	173.635	172.837	1.065	1.059	150	0.00907	0.00	0.00	0.63	0.93	0.53	0.53	2.62	1.77	22	22	
051-009	PV11.5	PV11.4	51.00	173.896	173.213	172.837	172.163	1.059	1.050	150	0.01322	0.00	0.00	0.65	0.97	0.61	0.61	2.52	2.37	20	20	
051-010	PV11.4	PV11.3	86.00	173.213	169.579	172.163	168.529	1.050	1.050	150	0.04226	0.00	0.00	0.70	1.04	0.91	0.91	2.21	5.85	15	15	DG 0.002
051-011	PV11.3	PV11.2	79.00	169.579	167.097	168.527	166.045	1.052	1.052	150	0.03142	0.00	0.00	0.74	1.10	0.82	0.82	2.29	4.65	16	16	DG 0.001
051-012	PV11.2	PV11.1	69.00	167.097	165.896	166.044	164.285	1.053	1.611	150	0.02549	0.00	0.00	0.77	1.15	0.76	0.76	2.34	3.95	17	17	DG 0.014
051-013	PV11.1	PV011	65.00	165.896	165.193	164.271	163.976	1.625	1.217	150	0.00455	0.03	0.03	0.89	1.31	0.41	0.41	2.83	1.03	26	26	DG 0.084
050-001	PV16.4	PV12.40	60.00	183.177	179.308	182.127	178.258	1.050	1.050	150	0.06448	0.00	0.00	0.03	0.05	1.06	1.06	2.11	8.12	13	13	
050-002	PV12.40	PV12.32	11.00	179.308	178.446	178.258	177.396	1.050	1.050	150	0.07836	0.00	0.00	0.04	0.06	1.13	1.13	2.06	9.45	13	13	DG 0.003
049-001	PV16.4	PV12.39	45.00	183.177	182.146	182.127	181.096	1.050	1.050	150	0.02291	0.00	0.00	0.02	0.04	0.74	0.74	2.37	3.63	17	17	DG 0.013
049-002	PV12.39	PV12.33	10.00	182.146	182.594	181.083	181.038	1.063	1.556	150	0.00455	0.00	0.00	0.03	0.04	0.41	0.41	2.83	1.03	26	26	

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048-001	PV025	PV12.38	80.00	189.696	184.742	188.646	183.692	1.050	1.050	150	0.06193	0.00	0.00	0.04	0.06	1.04	1.04	2.12	7.87	14	14	
048-002	PV12.38	PV12.33	32.00	184.742	182.594	183.692	181.544	1.050	1.050	150	0.06712	0.00	0.00	0.06	0.09	1.07	1.07	2.10	8.38	13	13	TQ 0.506
047-001	PV12.18	PV12.37	99.00	200.591	198.680	199.541	197.630	1.050	1.050	150	0.01930	0.00	0.00	0.05	0.08	0.69	0.69	2.41	3.18	18	18	
047-002	PV12.37	PV12.19	43.00	198.680	197.846	197.630	196.796	1.050	1.050	150	0.01940	0.00	0.00	0.07	0.11	0.69	0.69	2.41	3.19	18	18	
047-003	PV12.19	PV12.36	63.00	197.846	196.334	196.796	195.284	1.050	1.050	150	0.02400	0.00	0.00	0.11	0.16	0.75	0.75	2.35	3.77	17	17	DG 0.001
047-004	PV12.36	PV12.25	47.00	196.334	195.371	195.283	194.320	1.051	1.051	150	0.02049	0.00	0.00	0.13	0.20	0.71	0.71	2.40	3.33	18	18	
047-005	PV12.25	PV12.35	90.00	195.371	193.729	194.320	192.679	1.051	1.050	150	0.01823	0.00	0.00	0.18	0.27	0.68	0.68	2.43	3.04	18	18	
047-006	PV12.35	PV12.27	72.00	193.729	192.248	192.679	191.198	1.050	1.050	150	0.02057	0.00	0.00	0.21	0.32	0.71	0.71	2.40	3.34	18	18	
047-007	PV12.27	PV12.34	89.00	192.248	189.745	191.198	188.695	1.050	1.050	150	0.02812	0.00	0.00	0.26	0.39	0.79	0.79	2.31	4.26	16	16	
047-008	PV12.34	PV12.29	88.00	189.745	184.146	188.695	183.096	1.050	1.050	150	0.06363	0.00	0.00	0.31	0.46	1.05	1.05	2.11	8.04	13	13	
047-009	PV12.29	PV12.33	18.00	184.146	182.594	183.096	181.544	1.050	1.050	150	0.08622	0.00	0.00	0.32	0.47	1.17	1.17	2.04	10.17	13	13	TQ 0.506
047-010	PV12.33	PV12.32	80.00	182.594	178.446	181.038	177.396	1.556	1.050	150	0.04552	0.00	0.00	0.44	0.67	0.94	0.94	2.19	6.20	15	15	DG 0.003
047-011	PV12.32	PV12.31	28.00	178.446	177.146	177.393	176.093	1.053	1.053	150	0.04643	0.00	0.00	0.49	0.74	0.94	0.94	2.19	6.29	15	15	
047-012	PV12.31	PV12.30	75.00	177.146	173.223	176.093	172.173	1.053	1.050	150	0.05227	0.00	0.00	0.53	0.80	0.98	0.98	2.16	6.90	14	14	
047-013	PV12.30	PV12.3	46.00	173.223	170.551	172.173	169.501	1.050	1.050	150	0.05809	0.00	0.00	0.56	0.84	1.02	1.02	2.13	7.49	14	14	DG 0.004
046-001	PV12.29	PV12.28	97.00	184.146	183.975	183.096	182.655	1.050	1.320	150	0.00455	0.00	0.00	0.05	0.08	0.41	0.41	2.83	1.03	26	26	
046-002	PV12.28	PV12.7	26.00	183.975	182.088	182.655	181.038	1.320	1.050	150	0.06219	0.00	0.00	0.06	0.10	1.04	1.04	2.12	7.90	14	14	DG 0.001
045-001	PV12.27	PV12.26	69.00	192.248	189.421	191.198	188.371	1.050	1.050	150	0.04097	0.00	0.00	0.04	0.05	0.90	0.90	2.22	5.71	15	15	
045-002	PV12.26	PV12.9	45.00	189.421	186.232	188.371	185.182	1.050	1.050	150	0.07087	0.00	0.00	0.06	0.09	1.09	1.09	2.09	8.74	13	13	DG 0.006
044-001	PV12.25	PV12.11	84.00	195.371	191.278	194.321	190.228	1.050	1.050	150	0.04873	0.00	0.00	0.04	0.07	0.96	0.96	2.18	6.53	14	14	DG 0.200
043-001	PV12.24	PV12.21	92.00	193.805	194.655	191.264	190.846	2.541	3.809	150	0.00455	0.01	0.01	0.06	0.09	0.41	0.41	2.83	1.03	26	26	
042-001	PV12.13	PV12.20	80.00	195.940	195.210	194.890	194.160	1.050	1.050	150	0.00912	0.00	0.00	0.04	0.06	0.53	0.53	2.62	1.77	22	22	

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042-002	PV12.20	PV12.21	25.00	195.210	194.655	194.160	193.605	1.050	1.050	150	0.02220	0.00	0.00	0.05	0.08	0.73	0.73	2.38	3.55	17	17	TQ 2.759
042-003	PV12.21	PV12.22	55.00	194.655	193.146	190.846	190.596	3.809	2.550	150	0.00455	0.00	0.00	0.14	0.21	0.41	0.41	2.83	1.03	26	26	
042-004	PV12.22	PV12.23	38.00	193.146	191.580	190.596	190.423	2.550	1.157	150	0.00455	0.00	0.00	0.16	0.24	0.41	0.41	2.83	1.03	26	26	
042-005	PV12.23	PV12.11	87.00	191.580	191.278	190.423	190.028	1.157	1.250	150	0.00455	0.00	0.00	0.21	0.31	0.41	0.41	2.83	1.03	26	26	
041-001	PV12.19	PV12.13	72.00	197.846	195.940	196.796	194.890	1.050	1.050	150	0.02647	0.00	0.00	0.04	0.06	0.77	0.77	2.33	4.07	17	17	
040-001	PV12.18	PV12.17	36.00	200.591	199.396	199.541	198.346	1.050	1.050	150	0.03319	0.00	0.00	0.02	0.03	0.84	0.84	2.27	4.85	16	16	DG 0.003
040-002	PV12.17	PV12.16	27.00	199.396	198.849	198.343	197.796	1.053	1.053	150	0.02026	0.00	0.00	0.03	0.05	0.70	0.70	2.40	3.30	18	18	DG 0.002
040-003	PV12.16	PV12.15	44.00	198.849	198.175	197.794	197.123	1.055	1.052	150	0.01525	0.00	0.00	0.06	0.08	0.64	0.64	2.48	2.65	19	19	
040-004	PV12.15	PV12.14	87.00	198.175	196.737	197.123	195.687	1.052	1.050	150	0.01651	0.00	0.00	0.10	0.15	0.65	0.65	2.45	2.82	19	19	
040-005	PV12.14	PV12.13	49.00	196.737	195.940	195.687	194.890	1.050	1.050	150	0.01627	0.00	0.00	0.13	0.19	0.65	0.65	2.46	2.78	19	19	
040-006	PV12.13	PV12.12	78.00	195.940	193.091	194.890	192.041	1.050	1.050	150	0.03653	0.00	0.00	0.20	0.31	0.87	0.87	2.25	5.22	15	15	
040-007	PV12.12	PV12.11	35.00	193.091	191.278	192.041	190.228	1.050	1.050	150	0.05180	0.00	0.00	0.22	0.33	0.98	0.98	2.16	6.85	14	14	DG 0.200
040-008	PV12.11	PV12.10	82.00	191.278	187.699	190.028	186.649	1.250	1.050	150	0.04121	0.00	0.00	0.52	0.77	0.90	0.90	2.22	5.74	15	15	DG 0.005
040-009	PV12.10	PV12.9	70.00	187.699	186.232	186.644	185.177	1.055	1.055	150	0.02096	0.00	0.00	0.55	0.82	0.71	0.71	2.39	3.39	18	18	DG 0.001
040-010	PV12.9	PV12.8	97.00	186.232	183.862	185.176	182.811	1.056	1.051	150	0.02438	0.00	0.00	0.66	0.99	0.75	0.75	2.35	3.82	17	17	
040-011	PV12.8	PV12.7	78.00	183.862	182.088	182.811	181.038	1.051	1.050	150	0.02273	0.00	0.00	0.70	1.05	0.73	0.73	2.37	3.61	17	17	DG 0.001
040-012	PV12.7	PV12.6	93.00	182.088	176.723	181.037	175.672	1.051	1.051	150	0.05769	0.00	0.00	0.82	1.22	1.02	1.02	2.14	7.45	14	14	
040-013	PV12.6	PV12.5	47.00	176.723	173.596	175.672	172.546	1.051	1.050	150	0.06651	0.00	0.00	0.84	1.25	1.07	1.07	2.10	8.32	13	13	DG 0.006
040-014	PV12.5	PV12.4	91.00	173.596	171.563	172.540	170.507	1.056	1.056	150	0.02234	0.00	0.00	0.89	1.32	0.73	0.73	2.37	3.56	17	17	DG 0.004
040-015	PV12.4	PV12.3	79.00	171.563	170.551	170.503	169.497	1.060	1.054	150	0.01273	0.00	0.00	0.93	1.39	0.60	0.60	2.53	2.30	20	20	
040-016	PV12.3	PV12.2	15.00	170.551	169.146	169.497	168.096	1.054	1.050	150	0.09340	0.00	0.00	1.49	2.24	1.20	1.36	2.21	10.82	12	15	DG 0.026
040-017	PV12.2	PV12.1	19.00	169.146	169.336	168.070	167.984	1.076	1.352	150	0.00454	0.00	0.00	1.50	2.25	0.41	0.47	3.08	1.03	26	32	

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Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
040-018	PV12.1	PV012	92.00	169.336	166.946	167.984	165.896	1.352	1.050	150	0.02270	0.00	0.00	1.55	2.32	0.74	0.83	2.61	3.66	18	21	DG 0.039
039-001	PV13.1	PV013	91.00	169.681	167.346	168.631	166.296	1.050	1.050	150	0.02566	0.00	0.00	0.05	0.07	0.76	0.76	2.34	3.97	17	17	DG 0.044
038-001	PV14.1	PV014	91.00	169.962	167.646	168.912	166.596	1.050	1.050	150	0.02545	0.00	0.00	0.05	0.07	0.76	0.76	2.34	3.94	17	17	DG 0.021
037-001	PV15.4	PV015	91.00	172.657	169.650	171.607	168.600	1.050	1.050	150	0.03304	0.00	0.00	0.05	0.07	0.84	0.84	2.27	4.83	16	16	DG 0.033
036-001	PV15.3	PV15.2	97.00	176.846	174.009	175.796	172.959	1.050	1.050	150	0.02925	0.00	0.00	0.05	0.08	0.80	0.80	2.30	4.40	16	16	
036-002	PV15.2	PV15.1	81.00	174.009	170.035	172.959	168.985	1.050	1.050	150	0.04906	0.00	0.00	0.09	0.14	0.96	0.96	2.17	6.57	14	14	DG 0.012
036-003	PV15.1	PV015	50.00	170.035	169.650	168.973	168.588	1.062	1.062	150	0.00770	0.00	0.00	0.12	0.18	0.50	0.50	2.67	1.55	23	23	DG 0.021
035-001	PV16.5	PV016	95.00	176.527	172.406	175.477	171.356	1.050	1.050	150	0.04338	0.00	0.00	0.05	0.07	0.92	0.92	2.20	5.97	15	15	DG 0.031
034-001	PV020	PV16.2	81.00	187.734	180.547	186.684	179.497	1.050	1.050	150	0.08873	0.00	0.00	0.04	0.06	1.18	1.18	2.03	10.40	12	12	DG 0.005
033-001	PV021	PV16.3	85.00	188.203	182.246	187.153	181.196	1.050	1.050	150	0.07008	0.00	0.00	0.04	0.07	1.09	1.09	2.09	8.66	13	13	DG 0.005
032-001	PV16.4	PV16.3	54.00	183.177	182.246	182.127	181.196	1.050	1.050	150	0.01724	0.00	0.00	0.03	0.04	0.67	0.67	2.44	2.91	19	19	DG 0.005
032-002	PV16.3	PV16.2	65.00	182.246	180.547	181.191	179.492	1.055	1.055	150	0.02614	0.00	0.00	0.11	0.16	0.77	0.77	2.33	4.03	17	17	
032-003	PV16.2	PV16.1	82.00	180.547	172.933	179.492	171.883	1.055	1.050	150	0.09279	0.00	0.00	0.19	0.29	1.20	1.20	2.02	10.77	12	12	DG 0.014
032-004	PV16.1	PV016	55.00	172.933	172.406	171.869	171.342	1.064	1.064	150	0.00958	0.00	0.00	0.22	0.33	0.54	0.54	2.61	1.84	21	21	DG 0.017
031-001	PV17.20	PV017	102.00	183.374	175.477	182.324	174.427	1.050	1.050	150	0.07742	0.00	0.00	0.05	0.08	1.13	1.13	2.07	9.36	13	13	DG 0.035
030-001	PV17.19	PV17.18	96.00	192.445	181.202	191.395	180.152	1.050	1.050	150	0.11711	0.00	0.00	0.05	0.07	1.30	1.30	1.97	12.90	12	12	DG 0.004
030-002	PV17.18	PV17.3	27.00	181.202	179.721	180.148	178.667	1.054	1.054	150	0.05485	0.00	0.00	0.06	0.10	1.00	1.00	2.15	7.16	14	14	DG 0.006
029-001	PV18.3	PV17.17	95.00	191.391	180.090	190.341	179.040	1.050	1.050	150	0.11896	0.00	0.00	0.05	0.07	1.31	1.31	1.97	13.06	12	12	DG 0.010
029-002	PV17.17	PV17.3	19.00	180.090	179.721	179.030	178.661	1.060	1.060	150	0.01942	0.00	0.00	0.06	0.09	0.69	0.69	2.41	3.20	18	18	
028-001	PV18.6	PV17.16	90.00	197.810	185.687	196.760	184.637	1.050	1.050	150	0.13470	0.00	0.00	0.05	0.07	1.37	1.37	1.94	14.38	11	11	DG 0.022
028-002	PV17.16	PV17.6	25.00	185.687	186.194	184.615	184.502	1.072	1.692	150	0.00455	0.00	0.00	0.06	0.09	0.41	0.41	2.83	1.03	26	26	
027-001	PV17.15	PV17.14	94.00	201.890	201.014	200.840	199.964	1.050	1.050	150	0.00932	0.00	0.00	0.05	0.07	0.54	0.54	2.61	1.80	22	22	

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027-002	PV17.14	PV17.13	79.00	201.014	195.610	199.964	194.560	1.050	1.050	150	0.06841	0.00	0.00	0.09	0.13	1.08	1.08	2.09	8.50	13	13	DG 0.004
027-003	PV17.13	PV17.12	34.00	195.610	194.600	194.556	193.546	1.054	1.054	150	0.02971	0.00	0.00	0.11	0.16	0.81	0.81	2.30	4.45	16	16	
027-004	PV17.12	PV17.9	3.00	194.600	194.198	193.546	193.148	1.054	1.050	150	0.13267	0.00	0.00	0.11	0.16	1.36	1.36	1.94	14.21	11	11	TQ 0.462
026-001	PV22.28	PV17.11	102.00	205.469	198.587	204.419	197.537	1.050	1.050	150	0.06747	0.00	0.00	0.05	0.08	1.07	1.07	2.10	8.41	13	13	DG 0.001
026-002	PV17.11	PV17.10	82.00	198.587	193.918	197.536	192.867	1.051	1.051	150	0.05694	0.00	0.00	0.10	0.14	1.01	1.01	2.14	7.37	14	14	DG 0.018
026-003	PV17.10	PV17.9	36.00	193.918	194.198	192.849	192.686	1.069	1.512	150	0.00455	0.00	0.00	0.11	0.17	0.41	0.41	2.83	1.03	26	26	
026-004	PV17.9	PV17.8	47.00	194.198	191.062	192.686	190.012	1.512	1.050	150	0.05689	0.00	0.00	0.25	0.37	1.01	1.01	2.14	7.37	14	14	DG 0.002
026-005	PV17.8	PV17.7	33.00	191.062	189.867	190.010	188.815	1.052	1.052	150	0.03621	0.00	0.00	0.26	0.40	0.86	0.86	2.25	5.19	15	15	
026-006	PV17.7	PV17.6	96.00	189.867	186.194	188.815	185.144	1.052	1.050	150	0.03824	0.00	0.00	0.31	0.47	0.88	0.88	2.24	5.41	15	15	TQ 0.642
026-007	PV17.6	PV17.5	80.00	186.194	183.599	184.502	182.549	1.692	1.050	150	0.02441	0.00	0.00	0.42	0.62	0.75	0.75	2.35	3.82	17	17	
026-008	PV17.5	PV17.4	68.00	183.599	181.660	182.549	180.610	1.050	1.050	150	0.02851	0.00	0.00	0.45	0.68	0.79	0.79	2.31	4.31	16	16	
026-009	PV17.4	PV17.3	69.00	181.660	179.721	180.610	178.671	1.050	1.050	150	0.02810	0.00	0.00	0.49	0.73	0.79	0.79	2.31	4.26	16	16	DG 0.010
026-010	PV17.3	PV17.2	75.00	179.721	177.783	178.661	176.733	1.060	1.050	150	0.02571	0.00	0.00	0.65	0.97	0.77	0.77	2.34	3.98	17	17	DG 0.001
026-011	PV17.2	PV17.1	81.00	177.783	175.976	176.732	174.925	1.051	1.051	150	0.02231	0.00	0.00	0.69	1.04	0.73	0.73	2.37	3.56	17	17	DG 0.006
026-012	PV17.1	PV017	48.00	175.976	175.477	174.919	174.421	1.057	1.056	150	0.01038	0.00	0.00	0.71	1.07	0.56	0.56	2.58	1.96	21	21	DG 0.029
025-001	PV22.1	PV18.11	87.00	191.061	188.407	190.011	187.357	1.050	1.050	150	0.03051	0.00	0.00	0.05	0.07	0.81	0.81	2.29	4.54	16	16	
025-002	PV18.11	PV18.2	19.00	188.407	186.646	187.357	185.596	1.050	1.050	150	0.09268	0.00	0.00	0.05	0.08	1.20	1.20	2.02	10.76	12	12	
024-001	PV22.22	PV18.10	88.00	195.352	193.395	194.302	192.345	1.050	1.050	150	0.02224	0.00	0.00	0.05	0.07	0.73	0.73	2.37	3.55	17	17	
024-002	PV18.10	PV18.3	16.00	193.395	191.391	192.345	190.341	1.050	1.050	150	0.12525	0.00	0.00	0.05	0.08	1.33	1.33	1.96	13.59	11	11	DG 0.005
023-001	PV22.23	PV18.9	62.00	198.009	196.340	196.959	195.290	1.050	1.050	150	0.02692	0.00	0.00	0.03	0.05	0.78	0.78	2.32	4.12	17	17	
023-002	PV18.9	PV18.4	41.00	196.340	192.939	195.290	191.889	1.050	1.050	150	0.08295	0.00	0.00	0.05	0.08	1.15	1.15	2.05	9.87	13	13	DG 0.007
022-001	PV22.24	PV18.8	50.00	200.303	199.419	199.253	198.369	1.050	1.050	150	0.01768	0.00	0.00	0.03	0.04	0.67	0.67	2.44	2.97	18	18	

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022-002	PV18.8	PV18.5	55.00	199.419	196.000	198.369	194.950	1.050	1.050	150	0.06216	0.00	0.00	0.05	0.08	1.04	1.04	2.12	7.89	14	14	DG 0.002
021-001	PV22.25	PV18.6	98.00	202.279	197.810	201.229	196.760	1.050	1.050	150	0.04560	0.00	0.00	0.05	0.08	0.94	0.94	2.19	6.21	15	15	DG 0.008
020-001	PV22.26	PV18.7	81.00	203.215	198.800	202.165	197.750	1.050	1.050	150	0.05451	0.00	0.00	0.04	0.06	1.00	1.00	2.15	7.13	14	14	DG 0.008
020-002	PV18.7	PV18.6	67.00	198.800	197.810	197.742	196.752	1.058	1.058	150	0.01478	0.00	0.00	0.08	0.12	0.63	0.63	2.48	2.58	19	19	
020-003	PV18.6	PV18.5	75.00	197.810	196.000	196.752	194.950	1.058	1.050	150	0.02403	0.00	0.00	0.17	0.25	0.75	0.75	2.35	3.77	17	17	DG 0.002
020-004	PV18.5	PV18.4	73.00	196.000	192.939	194.948	191.887	1.052	1.052	150	0.04193	0.00	0.00	0.26	0.39	0.91	0.91	2.21	5.81	15	15	DG 0.005
020-005	PV18.4	PV18.3	71.00	192.939	191.391	191.882	190.336	1.057	1.055	150	0.02177	0.00	0.00	0.35	0.52	0.72	0.72	2.38	3.49	18	18	
020-006	PV18.3	PV18.2	87.00	191.391	186.646	190.336	185.596	1.055	1.050	150	0.05448	0.00	0.00	0.45	0.67	1.00	1.00	2.15	7.13	14	14	
020-007	PV18.2	PV18.1	65.00	186.646	179.889	185.596	178.839	1.050	1.050	150	0.10395	0.00	0.00	0.54	0.81	1.25	1.25	2.00	11.76	12	12	DG 0.003
020-008	PV18.1	PV018	75.00	179.889	176.146	178.836	175.093	1.053	1.053	150	0.04991	0.00	0.00	0.58	0.86	0.97	0.97	2.17	6.66	14	14	DG 0.035
019-001	PV22.20	PV22.22	84.00	196.746	195.352	195.696	194.302	1.050	1.050	150	0.01660	0.00	0.00	0.04	0.07	0.66	0.66	2.45	2.83	19	19	
018-001	PV22.19	PV22.24	98.00	200.598	200.303	199.548	199.103	1.050	1.200	150	0.00455	0.00	0.00	0.05	0.08	0.41	0.41	2.83	1.03	26	26	
017-001	PV22.17	PV22.32	63.00	203.015	202.813	201.965	201.679	1.050	1.134	150	0.00455	0.00	0.00	0.03	0.05	0.41	0.41	2.83	1.03	26	26	
017-002	PV22.32	PV22.25	48.00	202.813	202.279	201.679	201.229	1.134	1.050	150	0.00938	0.00	0.00	0.06	0.09	0.54	0.54	2.61	1.81	22	22	DG 0.001
016-001	PV22.16	PV22.31	75.00	204.654	204.126	203.604	203.076	1.050	1.050	150	0.00704	0.00	0.00	0.04	0.06	0.48	0.48	2.70	1.45	23	23	
016-002	PV22.31	PV22.26	41.00	204.126	203.215	203.076	202.165	1.050	1.050	150	0.02222	0.00	0.00	0.06	0.09	0.73	0.73	2.37	3.55	17	17	DG 0.003
015-001	PV22.15	PV22.30	81.00	205.785	205.251	204.735	204.201	1.050	1.050	150	0.00659	0.00	0.00	0.04	0.06	0.47	0.47	2.71	1.38	24	24	
015-002	PV22.30	PV22.27	37.00	205.251	204.121	204.201	203.071	1.050	1.050	150	0.03054	0.00	0.00	0.06	0.09	0.81	0.81	2.29	4.55	16	16	DG 0.006
014-001	PV039	PV22.29	73.00	207.432	207.121	206.382	206.050	1.050	1.071	150	0.00455	0.00	0.00	0.04	0.06	0.41	0.41	2.83	1.03	26	26	
014-002	PV22.29	PV22.28	58.00	207.121	205.469	206.050	204.419	1.071	1.050	150	0.02812	0.00	0.00	0.07	0.10	0.79	0.79	2.31	4.26	16	16	DG 0.004
014-003	PV22.28	PV22.27	90.00	205.469	204.121	204.415	203.067	1.054	1.054	150	0.01498	0.00	0.00	0.11	0.17	0.63	0.63	2.48	2.61	19	19	DG 0.002
014-004	PV22.27	PV22.26	70.00	204.121	203.215	203.065	202.163	1.056	1.052	150	0.01289	0.00	0.00	0.21	0.32	0.60	0.60	2.52	2.32	20	20	DG 0.001

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Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
014-005	PV22.26	PV22.25	68.00	203.215	202.279	202.162	201.228	1.053	1.051	150	0.01374	0.00	0.00	0.31	0.46	0.61	0.61	2.50	2.44	20	20	
014-006	PV22.25	PV22.24	85.00	202.279	200.303	201.228	199.253	1.051	1.050	150	0.02324	0.00	0.00	0.41	0.61	0.74	0.74	2.36	3.67	17	17	DG 0.150
014-007	PV22.24	PV22.23	65.00	200.303	198.009	199.103	196.959	1.200	1.050	150	0.03298	0.00	0.00	0.49	0.74	0.84	0.84	2.27	4.83	16	16	
014-008	PV22.23	PV22.22	68.00	198.009	195.352	196.959	194.302	1.050	1.050	150	0.03907	0.00	0.00	0.53	0.79	0.89	0.89	2.23	5.50	15	15	
014-009	PV22.22	PV22.1	90.00	195.352	191.061	194.302	190.011	1.050	1.050	150	0.04768	0.00	0.00	0.62	0.93	0.95	0.95	2.18	6.42	14	14	DG 0.006
013-001	PV039	PV22.15	75.00	207.432	205.785	206.382	204.735	1.050	1.050	150	0.02196	0.00	0.00	0.04	0.06	0.72	0.72	2.38	3.52	17	17	DG 0.002
013-002	PV22.15	PV22.16	63.00	205.785	204.654	204.733	203.602	1.052	1.052	150	0.01795	0.00	0.00	0.07	0.11	0.67	0.67	2.43	3.01	18	18	
013-003	PV22.16	PV22.17	71.00	204.654	203.015	203.602	201.965	1.052	1.050	150	0.02306	0.00	0.00	0.11	0.16	0.74	0.74	2.37	3.65	17	17	
013-004	PV22.17	PV22.19	92.00	203.015	200.598	201.965	199.548	1.050	1.050	150	0.02627	0.00	0.00	0.16	0.23	0.77	0.77	2.33	4.04	17	17	
013-005	PV22.19	PV22.21	87.00	200.598	197.941	199.548	196.891	1.050	1.050	150	0.03054	0.00	0.00	0.20	0.30	0.81	0.81	2.29	4.55	16	16	
013-006	PV22.21	PV22.20	34.00	197.941	196.746	196.891	195.696	1.050	1.050	150	0.03515	0.00	0.00	0.22	0.33	0.85	0.85	2.26	5.07	16	16	DG 0.016
013-007	PV22.20	PV28.3	82.00	196.746	196.782	195.680	195.308	1.066	1.474	150	0.00455	0.00	0.00	0.26	0.39	0.41	0.41	2.83	1.03	26	26	DG 0.001
012-001	PV22.19	PV22.18	96.00	200.598	200.126	199.548	199.076	1.050	1.050	150	0.00492	0.00	0.00	0.05	0.07	0.43	0.43	2.80	1.09	25	25	
012-002	PV22.18	PV29.2	12.00	200.126	199.807	199.076	198.757	1.050	1.050	150	0.02658	0.00	0.00	0.06	0.08	0.77	0.77	2.33	4.08	17	17	DG 0.001
011-001	PV22.17	PV22.13	72.00	203.015	202.681	201.965	201.631	1.050	1.050	150	0.00464	0.00	0.00	0.04	0.06	0.42	0.42	2.82	1.04	26	26	DG 0.010
010-001	PV22.16	PV22.9	75.00	204.654	204.283	203.604	203.233	1.050	1.050	150	0.00495	0.00	0.00	0.04	0.06	0.43	0.43	2.80	1.10	25	25	
009-001	PV22.15	PV22.14	80.00	205.785	205.717	204.735	204.371	1.050	1.346	150	0.00455	0.00	0.00	0.04	0.06	0.41	0.41	2.83	1.03	26	26	
008-001	PV038	PV22.14	48.00	206.684	205.717	205.634	204.667	1.050	1.050	150	0.02015	0.00	0.00	0.02	0.04	0.70	0.70	2.40	3.29	18	18	DG 0.296
008-002	PV22.14	PV22.9	63.00	205.717	204.283	204.371	203.233	1.346	1.050	150	0.01806	0.00	0.00	0.10	0.15	0.68	0.68	2.43	3.02	18	18	
008-003	PV22.9	PV22.13	68.00	204.283	202.681	203.233	201.631	1.050	1.050	150	0.02356	0.00	0.00	0.17	0.26	0.74	0.74	2.36	3.71	17	17	DG 0.010
008-004	PV22.13	PV22.5	71.00	202.681	202.243	201.621	201.183	1.060	1.060	150	0.00617	0.00	0.00	0.25	0.37	0.46	0.46	2.73	1.31	24	24	TQ 0.839
007-001	PV035	PV22.12	63.00	203.275	202.786	202.225	201.736	1.050	1.050	150	0.00776	0.00	0.00	0.03	0.05	0.50	0.50	2.67	1.56	23	23	

Dados Finais da Rede de Esgotos - Global

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Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
007-002	PV22.12	PV22.11	70.00	202.786	201.796	201.736	200.746	1.050	1.050	150	0.01414	0.00	0.00	0.07	0.10	0.62	0.62	2.50	2.50	19	19	DG 0.010
007-003	PV22.11	PV22.10	56.00	201.796	202.396	200.736	200.482	1.060	1.914	150	0.00455	0.00	0.00	0.10	0.15	0.41	0.41	2.83	1.03	26	26	DG 0.001
007-004	PV22.10	PV22.6	16.00	202.396	202.592	200.481	200.409	1.915	2.183	150	0.00455	0.00	0.00	0.11	0.16	0.41	0.41	2.83	1.03	26	26	DG 0.001
006-001	PV036	PV22.8	75.00	205.300	203.937	204.250	202.887	1.050	1.050	150	0.01817	0.00	0.00	0.04	0.06	0.68	0.68	2.43	3.04	18	18	DG 0.120
005-001	PV22.9	PV22.8	98.00	204.263	203.937	203.213	202.768	1.050	1.169	150	0.00455	0.00	0.00	0.05	0.08	0.41	0.41	2.83	1.03	26	26	DG 0.001
005-002	PV22.8	PV22.7	7.00	203.937	203.937	202.767	202.735	1.170	1.202	150	0.00455	0.00	0.00	0.09	0.14	0.41	0.41	2.83	1.03	26	26	
005-003	PV22.7	PV22.6	58.00	203.937	202.592	202.735	201.542	1.202	1.050	150	0.02057	0.00	0.00	0.12	0.19	0.71	0.71	2.40	3.34	18	18	TQ 1.134
005-004	PV22.6	PV22.5	14.00	202.592	202.243	200.408	200.345	2.184	1.898	150	0.00455	0.00	0.00	0.24	0.36	0.41	0.41	2.83	1.03	26	26	DG 0.001
005-005	PV22.5	PV22.4	13.00	202.243	202.046	200.344	200.285	1.899	1.761	150	0.00455	0.00	0.00	0.49	0.74	0.41	0.41	2.83	1.03	26	26	
005-006	PV22.4	PV29.2	101.00	202.046	199.807	200.285	198.757	1.761	1.050	150	0.01513	0.00	0.00	0.54	0.82	0.64	0.64	2.48	2.63	19	19	DG 0.001
005-007	PV29.2	PV22.3	26.00	199.807	199.224	198.756	198.173	1.051	1.051	150	0.02242	0.00	0.00	0.61	0.92	0.73	0.73	2.37	3.57	17	17	
005-008	PV22.3	PV28.3	86.00	199.224	196.782	198.173	195.732	1.051	1.050	150	0.02838	0.00	0.00	0.66	0.99	0.79	0.79	2.31	4.29	16	16	
005-009	PV28.3	PV26.2	87.00	196.782	193.503	195.732	192.453	1.050	1.050	150	0.03769	0.00	0.00	0.70	1.05	0.88	0.88	2.24	5.35	15	15	DG 0.014
005-010	PV26.2	PV22.2	88.00	193.503	193.026	192.439	191.962	1.064	1.064	150	0.00542	0.00	0.00	0.75	1.12	0.44	0.44	2.77	1.18	25	25	
005-011	PV22.2	PV22.1	48.00	193.026	191.061	191.962	190.011	1.064	1.050	150	0.04065	0.00	0.00	0.77	1.16	0.90	0.90	2.22	5.68	15	15	DG 0.006
005-012	PV22.1	PV022	83.00	191.061	187.996	190.005	186.940	1.056	1.056	150	0.03693	0.00	0.00	1.43	2.15	0.87	0.97	2.43	5.27	15	18	DG 0.039
004-001	PV26.2	PV26.1	59.00	193.503	193.146	192.453	192.096	1.050	1.050	150	0.00605	0.00	0.00	0.03	0.05	0.46	0.46	2.74	1.29	24	24	
004-002	PV26.1	PV026	24.00	193.146	192.965	192.096	191.915	1.050	1.050	150	0.00754	0.00	0.00	0.04	0.06	0.50	0.50	2.67	1.53	23	23	
003-001	PV28.3	PV28.2	79.00	196.782	196.168	195.307	194.948	1.475	1.220	150	0.00455	0.00	0.00	0.30	0.45	0.41	0.41	2.83	1.03	26	26	
003-002	PV28.2	PV28.1	45.00	196.168	195.619	194.948	194.569	1.220	1.050	150	0.00842	0.00	0.00	0.33	0.49	0.52	0.52	2.64	1.67	22	22	DG 0.006
003-003	PV28.1	PV028	11.00	195.619	195.734	194.563	194.513	1.056	1.221	150	0.00455	0.00	0.00	0.33	0.50	0.41	0.41	2.83	1.03	26	26	
002-001	PV29.2	PV29.1	89.00	199.807	197.501	198.757	196.451	1.050	1.050	150	0.02591	0.00	0.00	0.05	0.07	0.77	0.77	2.33	4.00	17	17	DG 0.002

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Numero Coletor	PV Mont	PV Jus	COMP (m)	CTM (m)	CTJ (m)	CCM (m)	CCJ (m)	Prof Mont	Prof Jus	Diam (mm)	DECL (m/m)	Q. Conc. Inic. (l/s)	Q. Conc. Final (l/s)	Q. Real Inic. (l/s)	Q. Real Final (l/s)	Vel Inc. (m/s)	Vel final (m/s)	Vel Crit (m/s)	Trativa (Pa)	Lâm. Ini (%)	Lâm. Fim(%)	OBS
002-002	PV29.1	PV029	63.00	197.501	196.214	196.449	195.162	1.052	1.052	150	0.02043	0.00	0.00	0.08	0.12	0.71	0.71	2.40	3.32	18	18	DG 0.002
001-001	PV039	PV038	86.00	207.432	206.684	206.382	205.634	1.050	1.050	150	0.00870	0.00	0.00	0.04	0.07	0.52	0.52	2.63	1.71	22	22	
001-002	PV038	PV037	82.00	206.684	205.948	205.634	204.898	1.050	1.050	150	0.00898	0.00	0.00	0.09	0.13	0.53	0.53	2.62	1.75	22	22	
001-003	PV037	PV036	45.00	205.948	205.300	204.898	204.250	1.050	1.050	150	0.01440	0.00	0.00	0.11	0.17	0.62	0.62	2.49	2.53	19	19	
001-004	PV036	PV035	96.00	205.300	203.275	204.250	202.225	1.050	1.050	150	0.02109	0.00	0.00	0.16	0.24	0.71	0.71	2.39	3.41	18	18	
001-005	PV035	PV034	85.00	203.275	201.359	202.225	200.309	1.050	1.050	150	0.02254	0.00	0.00	0.20	0.31	0.73	0.73	2.37	3.59	17	17	DG 0.001
001-006	PV034	PV033	44.00	201.359	200.546	200.308	199.495	1.051	1.051	150	0.01848	0.00	0.00	0.23	0.34	0.68	0.68	2.42	3.07	18	18	DG 0.012
001-007	PV033	PV032	62.00	200.546	200.591	199.483	199.201	1.063	1.390	150	0.00455	0.00	0.00	0.26	0.39	0.41	0.41	2.83	1.03	26	26	
001-008	PV032	PV031	76.00	200.591	199.671	199.201	198.621	1.390	1.050	150	0.00763	0.00	0.00	0.30	0.45	0.50	0.50	2.67	1.54	23	23	
001-009	PV031	PV030	82.00	199.671	198.162	198.621	197.112	1.050	1.050	150	0.01840	0.00	0.00	0.34	0.51	0.68	0.68	2.43	3.06	18	18	
001-010	PV030	PV029	97.00	198.162	196.214	197.112	195.164	1.050	1.050	150	0.02008	0.00	0.00	0.39	0.59	0.70	0.70	2.40	3.28	18	18	DG 0.004
001-011	PV029	PV028	35.00	196.214	195.734	195.160	194.682	1.054	1.052	150	0.01366	0.00	0.00	0.49	0.73	0.61	0.61	2.51	2.43	20	20	DG 0.169
001-012	PV028	PV027	79.00	195.734	194.070	194.513	193.020	1.221	1.050	150	0.01890	0.00	0.00	0.86	1.29	0.69	0.69	2.42	3.13	18	18	
001-013	PV027	PV026	44.00	194.070	192.965	193.020	191.915	1.050	1.050	150	0.02511	0.00	0.00	0.88	1.33	0.76	0.76	2.34	3.90	17	17	
001-014	PV026	PV025	74.00	192.965	189.696	191.915	188.646	1.050	1.050	150	0.04418	0.00	0.00	0.96	1.45	0.93	0.93	2.20	6.06	15	15	DG 0.017
001-015	PV025	PV024	28.00	189.696	190.187	188.629	188.502	1.067	1.685	150	0.00455	0.00	0.00	0.98	1.47	0.41	0.41	2.83	1.03	26	26	
001-016	PV024	PV023	87.00	190.187	188.496	188.502	187.446	1.685	1.050	150	0.01214	0.00	0.00	1.02	1.54	0.59	0.59	2.55	2.22	20	20	DG 0.003
001-017	PV023	PV022	56.00	188.496	187.996	187.443	186.943	1.053	1.053	150	0.00893	0.00	0.00	1.05	1.58	0.53	0.54	2.66	1.74	22	22	DG 0.042
001-018	PV022	PV021	9.00	187.996	188.203	186.901	186.869	1.095	1.334	150	0.00358	0.00	0.00	2.49	3.74	0.44	0.49	3.50	1.06	36	45	DG 0.001
001-019	PV021	PV020	67.00	188.203	187.734	186.868	186.630	1.335	1.104	150	0.00356	0.00	0.00	2.53	3.80	0.44	0.49	3.52	1.06	36	45	
001-020	PV020	PV019	24.00	187.734	185.495	186.630	184.445	1.104	1.050	150	0.09104	0.00	0.00	2.54	3.81	1.40	1.57	2.50	13.43	16	19	
001-021	PV019	PV018	63.00	185.495	176.146	184.445	175.096	1.050	1.050	150	0.14840	0.00	0.00	2.57	3.86	1.66	1.88	2.37	19.74	14	17	DG 0.038

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001-022	PV018	PV017	59.00	176.146	175.477	175.058	174.392	1.088	1.085	150	0.01129	0.00	0.00	3.18	4.77	0.71	0.80	3.28	2.90	30	37	
001-023	PV017	PV016	96.00	175.477	172.406	174.392	171.356	1.085	1.050	150	0.03163	0.00	0.00	3.99	6.00	1.10	1.23	3.09	7.18	26	32	DG 0.031
001-024	PV016	PV015	81.00	172.406	169.650	171.325	168.583	1.081	1.067	150	0.03385	0.00	0.00	4.30	6.47	1.15	1.29	3.12	7.82	26	33	DG 0.016
001-025	PV015	PV014	82.00	169.650	167.646	168.567	166.580	1.083	1.066	150	0.02423	0.00	0.00	4.51	6.78	1.03	1.16	3.26	6.14	30	37	DG 0.005
001-026	PV014	PV013	6.00	167.646	167.346	166.575	166.291	1.071	1.055	150	0.04733	0.00	0.00	4.56	6.85	1.32	1.48	3.04	10.43	25	31	DG 0.039
001-027	PV013	PV012	36.00	167.346	166.946	166.252	165.857	1.094	1.089	150	0.01097	0.00	0.00	4.63	6.95	0.78	0.87	3.55	3.32	37	46	
001-028	PV012	PV011	82.00	166.946	165.193	165.857	164.143	1.089	1.050	150	0.02090	0.00	0.00	6.22	9.34	1.07	1.19	3.53	6.25	36	45	DG 0.251
001-029	PV011	PV010	73.00	165.193	166.105	163.892	163.733	1.301	2.372	200	0.00218	0.00	0.00	7.14	10.70	0.48	0.53	4.46	1.06	48	62	
001-030	PV010	PV009	50.00	166.105	166.489	163.733	163.624	2.372	2.865	200	0.00218	0.00	0.00	7.17	10.74	0.48	0.53	4.46	1.06	48	62	DG 0.011
001-031	PV009	PV008	80.00	166.489	166.010	163.613	163.446	2.876	2.564	200	0.00208	0.00	0.00	7.89	11.83	0.48	0.53	4.54	1.06	52	67	DG 0.009
001-032	PV008	PV007	80.00	166.010	166.662	163.437	163.276	2.573	3.386	200	0.00202	0.00	0.00	8.43	12.63	0.48	0.53	4.59	1.06	54	71	DG 0.002
001-033	PV007	PV006	59.00	166.662	166.320	163.274	163.155	3.388	3.165	200	0.00201	0.00	0.00	8.51	12.76	0.49	0.53	4.59	1.06	55	72	DG 0.003
001-034	PV006	PV005	74.00	166.320	165.488	163.152	163.004	3.168	2.484	200	0.00199	0.00	0.00	8.72	13.06	0.49	0.53	4.61	1.06	56	74	
001-035	PV005	PV004	56.00	165.488	164.826	163.004	162.901	2.484	1.925	250	0.00184	0.00	0.00	10.26	15.38	0.49	0.54	4.86	1.06	44	56	
001-036	PV004	PV003	36.00	164.826	164.496	162.901	162.835	1.925	1.661	250	0.00184	0.00	0.00	10.28	15.41	0.49	0.54	4.86	1.06	44	56	
001-037	PV003	PV002	61.00	164.496	164.658	162.835	162.722	1.661	1.936	250	0.00184	0.00	0.00	10.31	15.46	0.49	0.54	4.87	1.06	44	56	DG 0.002
001-038	PV002	PV001	12.00	164.658	164.850	162.720	162.698	1.938	2.152	250	0.00182	0.00	0.00	10.53	15.78	0.49	0.54	4.89	1.06	45	57	DG 0.002
001-039	PV001	FIM	6.00	164.850	165.000	162.696	162.685	2.154	2.315	250	0.00180	0.00	0.00	10.75	16.08	0.49	0.54	4.91	1.06	46	58	FIM

finaliset.ret - Planilha Gerada Através do Sistema SANCAD - Sanegraph Ltda. - Tel/Fax: (031) 3337-0217