

TABLE 24

TNRCC Segment 1803  
 TNRCC Station 16579  
 Station Number 24 Guadalupe River at Dupont, 0.3 KM Downstream of Confluence with Blue Bayou, Victoria County  
 Latitude 28/39/36 Longitude 96/57/36

Parameter	Parameter Code	Date and 24 hour time											
		11/29/99	2/15/00	5/29/00	8/29/00	11/20/00	2/20/01	5/14/01	8/14/01	11/13/01	2/15/02	5/22/02	8/21/02
		1207	1142	1600	1310	1150	1203	1154	1204	1157	1222	1217	1013
Flow (cfs)						4	743	1870					
Fecal Coliform(org/100mL)	31616	73	50	200	80	2000	32	112	18	34	**		
Suspended Solids(mg/L)	530	24.9	35.1	34.6	28.9	234	37.3	42.6	48.7	17.6	15.1	44.3	152
Turbidity(NTU)	82079	13	18	21	36	97	18	25	22	6.8	6.1	32	81
pH	400	7.93	7.88	8.38	8.01	7.99	8.09	8.09	7.46	8.24	8.46	8.07	8.07
Temperature(C)	10	17.63	20.23	31.49	31.36	13.44	16.52	26.34	31.64	21.17	14.27	24.72	26.8
Dissolved Oxygen(mg/L)	300	9.72	8.77	6.96	10.52	11.51	10.83	8.32	7.05	9.03	12.48	8.57	7.75
Conductivity(umhos/cm)	94	620	616	596	637	347	548	558	592	571	616	580	453
Total Phosphorus(mg/L)	665	0.21	0.368	0.37	0.26	0.4	0.13	0.16	0.14	0.11	0.17	0.14	0.16
Nitrate-N(mg/L)	620	0.858	1.18	1	0.755	0.67	1.34	0.9	0.67	0.6	1	0.49	0.18
Chloride(mg/L)	940	46	47.6	43	50.2	16.6	28.2	32	40.6	35.2	37.4	42.5	16
Sulfate(mg/L)	945	32.8	30.2	43.4	45	4.3	40.8	35.4	29.8	46	32.7	34.6	20.7
Total Hardness(mg/L)	900	263	256	250	273	285	256	255	204	239	294	237	453
Ammonia-N(mg/L)	610	0.24	0.16	0.2	0.24		<0.02	<0.02	0.04	0.03	<0.02	0.03	<0.02
E. coli(org/100mL)	31699	48	40	76	60	1600	22	92	18	24	10	15	349
Chlorophyll a(mg/m <sup>3</sup> )	32211	4.6	3.7	8.2	7.9	<1.0	3.2	3.4	17.1	4.5	<1.0	36.1	1.3
Pheophytin(mg/m <sup>3</sup> )	32218										23.6	10.3	24.1

\*\* Fecal Coliform was dropped from the list of parameters analyzed. E. coli is used for the Water Quality Index (126 org/100mL).

Parameter	Parameter Code	Date and 24 hour time											
		11/21/02	2/24/03	5/13/03	8/20/03	11/05/03	02/17/04	05/19/04	8/10/04	11/5/04	2/7/05	3/18/05	7/7/05
		1055	1147	1237	1245	1220	1221	1146	1149	1233	1305	1320	1209
E. coli(org/100mL)	31699	54	2908	30	4	46	548	168	36	765	448	173	10
Suspended Solids(mg/L)	530	77.7	194	67.4	39.6	24.8	54	94.3	48.7	216	87	75.9	79.5
Turbidity(NTU)	82079	50	60	31	22.5	21.5	47.6	94.6	39.7	178	70.1	52.6	47.1
pH	400	7.71	7.98	7.74	8.3	8.2	8.15	7.93	8.26	7.75	7.75	7.92	8.08
Temperature(C)	10	17.5	14.6	28.3	32.5	24.3	13.1	25.5	31.5	20.7	13.1	17.9	32.1
Dissolved Oxygen(mg/L)	300	9.33	9.86	7.38	6.81	6.96	10.5	5.85	6.83	7.5	10.8	9.82	7.32
Conductivity(umhos/cm)	94	598	335	727	739	601	500	347	697	373	483	609	555
Total Phosphorus(mg/L)	665	0.2	0.54	0.18	0.16	0.15	0.16	0.25	0.19	0.7	0.21	0.16	0.24
Nitrate-N(mg/L)	620	0.4	0.44	1.83	0.67	0.37	0.59	0.64	0.19	0.63	1.08	1.14	0.85
Chloride(mg/L)	940	26.4	21.6	55.4	72.6	35	35.5	23.1	40.9	22.7	30.9	34.6	36.3
Sulfate(mg/L)	945	31.7	22.3	44.2	38.9	30.6	30	17.7	34.3	20.9	33.2	31.7	33.2
Total Hardness(mg/L)	900	297	199	288	223	261	208	148	256	234	220	276	256
Ammonia-N(mg/L)	610	0.09	0.12	0.06	0.04	<0.02	0.06	0.04	0.06	0.02	0.08	0.15	0.08
Chlorophyll a(mg/m <sup>3</sup> )	32211	<1.0	<1.0	<1.0	9.9	3.7	<5.0	<5.0	39.3	<1	<1	5.9	10.7
Pheophytin(mg/m <sup>3</sup> )	32218	2.64	11.8	7.39	10.2	1.9	<3.0	<3.0	<3	<3	5.4	<3	3.7

Parameter	Parameter Code	Date and 24 hour time				
		10/4/05	02/02/06	03/03/06	6/7/06	10/12/06
		1259	1252	1353	1450	1324
E. coli(org/100mL)	31699	28	72	140	44	41
Suspended Solids(mg/L)	530	37	9.3	38	35.7	5.3
Turbidity(NTU)	82079	51	8.9	25.7	30.8	5.9
pH	400	8.02	8.35	8.21	8.2	7.63
Temperature(C)	10	29.4	19.5	22.2	30.5	29.6
Dissolved Oxygen(mg/L)	300	8.06	10.2	10.6	8.22	7.63
Conductivity(umhos/cm)	94	541	1265	758	660	1024
Total Phosphorus(mg/L)	665	0.11	0.33	0.17	0.3	0.35
Nitrate-N(mg/L)	620	1.02	12.2	2	0.18	11.2
Chloride(mg/L)	940	30.1	97	47	55.5	87.9
Sulfate(mg/L)	945	29.6	67	40.4	40.4	58.5
Total Hardness(mg/L)	900	276	296	254	185	242
Ammonia-N(mg/L)	610	0.17	0.08	0.05	0.09	0.03
Chlorophyll a(mg/m <sup>3</sup> )	32211	7.2	11.6	10.3	58.1	5.3
Pheophytin(mg/m <sup>3</sup> )	32218	2.1	5.2	3.2	7.7	2