

TABLE R1

Camarillo Sanitary District  
Camarillo Water Reclamation plant  
(CA0053597, C#1278)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)								HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B (RD-1)	B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	Organisms O	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O											AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
1	Antimony	µg/L	1.6	0.7	NONE	NONE	14	4300	6	6	NO	Go to Tier 2	0.7	No	NO	NO	NO			
2	Arsenic	µg/L	0.8	6.6	340	150	NONE	NONE	50	50	NO	Go to Tier 2	4.1	No	NO					
3	Beryllium	µg/L	0.6	0.02	NONE	NONE	Narrative	Narrative	4	4	NO	NO	0.02							
4	Cadmium*	µg/L	1.8	0.6	16	6	Narrative	Narrative	5	5	NO	Go to Tier 2	0.4	No	NO	NO	NO			
5a	Chromium III*	µg/L	1.7	0.96	4400	524	Narrative	Narrative		524	NO	Go to Tier 2	2	No	NO	NO	NO			
5b	Chromium VI	µg/L	0.6	1.9	16.293279	11.434511	Narrative	Narrative	50	11	NO	Go to Tier 2	<0.01	No	NO	NO	NO			
6	Copper*	µg/L	0.4	20	41	25	1300	NONE		25	NO	Go to Tier 2	4	No	NO					
7	Lead*	µg/L	1.9	0.82	350	13	Narrative	Narrative		13	NO	NO	0.54	No						
8	Mercury	µg/L	3.2	0.021	Reserved	Reserved	0.05	0.051	2	0.05	NO	NO	0.0075	No						
9	Nickel*	µg/L	1	22	1225	136	610	4600	100	100	NO	Go to Tier 2	7.2	No	NO	NO	NO			
10	Selenium	µg/L	0.9	1.7	Reserved		5	Narrative	Narrative	50	5	NO	Go to Tier 2	3	No	NO	NO	NO		
11	Silver*	µg/L	1.7	0.5	29	none	NONE	NONE		29	NO	Go to Tier 2	0.1	No	NO	NO	NO			
12	Thallium	µg/L	0.6	0.04	NONE	NONE	1.7	6.3	2	2	NO	Go to Tier 2	0.1	No	NO	NO	NO			
13	Zinc*	µg/L	0.2	67	313	313	none	NONE		313	NO	Go to Tier 2	25	No	NO					
14	Cyanide	µg/L	0.9	9	22	5.2	700	220,000	200	5.2	YES	YES	4					220000	2.41	

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			MDEL hh	ECA acute multiplier (p.7)	Freshwater			Freshwater				Lowest AMEL	Lowest MDEL			
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)			MDEL aq.life		
1	Antimony	µg/L												6	--	Retain existing limit from Order 96-042, for protection of GWR (groundwater recharge) & Antibacksliding.
2	Arsenic	µg/L												50	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
3	Beryllium	µg/L											--	--	Interim Monitoring - No CTR-based Limit	
4	Cadmium*	µg/L												5	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
5a	Chromium III*	µg/L											--	--	Interim Monitoring - No CTR-based Limit	
5b	Chromium VI	µg/L												50	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
6	Copper*	µg/L												1000	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
7	Lead*	µg/L												50	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
8	Mercury	µg/L												2	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
9	Nickel*	µg/L												100	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
10	Selenium	µg/L												50	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
11	Silver*	µg/L												50	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
12	Thallium	µg/L														Interim Monitoring - No Limit
13	Zinc*	µg/L												5000	--	Retain existing limit from Order 96-042, for protection of GWR & Antibacksliding.
14	Cyanide	µg/L	530200	0.224	4.928	0.404	2.1008	2.1008	1.85	3.88648	4.46	9.369568	3.9	9.4	<b>Need Limit (Tier 1). Based on FW Aq life</b>	

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CTR#	DATE	Units Fibers/ L	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)								HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >=	Tier 1 - Need limit?	B (RD- 1)	B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O												
15	Asbestos				NONE	NONE	7,000,000	NONE	7x10^6	7x10^6	NO	Go to Tier 2		No	NO	NO	NO			
16	2,3,7,8-TCDD (Dioxin)	µg/L	0.5	0.002058	NONE	NONE	1.3E-08	1.4E-08	3x10^-5	1.4E-08	NO	NO	0.98	NO	NO					
17	Acrolein	µg/L	0.6	<5	NONE	NONE	320	780		780	NO	Go to Tier 2		No	NO	NO	NO			
18	Acrylonitrile	µg/L	0.6	<2	NONE	NONE	0.059	0.66		0.66	YES	YES				NO				
19	Benzene	µg/L	0.6	<0.5	NONE	NONE	1.2	71	1	1	NO	Go to Tier 2		No	NO	NO	NO			
20	Bromoform	µg/L	0.9	1	NONE	NONE	4.3	360		360	NO	Go to Tier 2		No	NO	NO	NO			
21	Carbon Tetrachloride	µg/L	0.6	1.5	NONE	NONE	0.25	4.4	600	4.4	NO	Go to Tier 2		No	NO	NO	NO			
22	Chlorobenzene	µg/L	0.6	<0.5	NONE	NONE	680	21,000		21,000	NO	Go to Tier 2		No	NO	NO	NO			
23	Dibromochloromethane	µg/L	0.4	4	NONE	NONE	0.401	34		34	NO	Go to Tier 2		No	NO	NO	NO			
24	Chloroethane	µg/L	0.6	<0.5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		NA	NO	NO	NO			
25	2-chloroethyl vinyl ether	µg/L	0.6	<1	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		NA	NO	NO	NO			
26	Chloroform	µg/L	0.4	9	NONE	NONE	Reserved	Reserved		Reserved	No Criteria Available	Go to Tier 2		NA	NO	NO	NO			
27	Dichlorobromomethane	µg/L	0.4	7.2	NONE	NONE	0.56	46		46	NO	Go to Tier 2		No	NO	NO	NO			
28	1,1-Dichloroethane	µg/L	0.6	<0.5	NONE	NONE	NONE	NONE	5	5	NO	Go to Tier 2		No	NO	NO	NO			
29	1,2-dichloroethane		0.6	<0.5	NONE	NONE	0.38	99	0.5	0.5	NO	Go to Tier 2		No	NO	NO	NO			
30	1,1-Dichloroethylene	µg/L	0.6	<0.5	NONE	NONE	0.057	3.2	6	3.2	NO	Go to Tier 2		No	NO	NO	NO			
31	1,2-dichloropropane	µg/L	0.6	<0.5	NONE	NONE	0.52	39	5	5	NO	Go to Tier 2		No	NO	NO	NO			
32	1,3-dichloropropylene	µg/L	0.6	<0.5	NONE	NONE	10	1,700	0.5	0.5	NO	Go to Tier 2		No	NO	NO	NO			
33	Ethylbenzene	µg/L	0.6	<0.5	NONE	NONE	3100	29,000	0.7	0.7	NO	Go to Tier 2		No	NO	NO	NO			
34	Methyl bromide	µg/L	0.6	1.5	NONE	NONE	48	4,000		4,000	NO	Go to Tier 2	1	No	NO	NO	NO			
35	Methyl chloride	µg/L	0.6	<5	NONE	NONE	Narrative	Narrative		Narrative	No Criteria Available	Go to Tier 2	No data		NO	NO	NO			
36	Methylene chloride	µg/L	0.8	3	NONE	NONE	4.7	1,600		1,600	NO	Go to Tier 2		No	NO	NO	NO			
37	1,1,2,2-tetrachloroethane	µg/L	0.6	<0.5	NONE	NONE	0.17	11	1	1	NO	Go to Tier 2		No	NO	NO	NO			

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			MDEL hh	ECA acute multiplier (p.7)	Freshwater			Freshwater				Lowest AMEL	Lowest MDEL			
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)			MDEL aq.life		
15	Asbestos															Interim Monitoring - No Limit
16	2,3,7,8-TCDD (Dioxin)	µg/L											--	--		Interim Quarterly Monitoring Not enough data was available (only 3 values).
17	Acrolein	µg/L														Interim Monitoring - No Limit
18	Acrylonitrile	µg/L														Interim Monitoring - No Limit
19	Benzene	µg/L														Interim Monitoring - No Limit
20	Bromoform	µg/L														Interim Monitoring - No Limit
21	Carbon Tetrachloride	µg/L														Interim Monitoring - No Limit
22	Chlorobenzene	µg/L														Interim Monitoring - No Limit
23	Dibromochloromethane	µg/L														Interim Monitoring - No Limit
24	Chloroethane	µg/L														No Limit - No Criteria Available
25	2-chloroethyl vinyl ether	µg/L														No Limit - No Criteria Available
26	Chloroform	µg/L														No Limit - No Criteria Available
27	Dichlorobromomethane	µg/L														Interim Monitoring - No Limit
28	1,1-Dichloroethane	µg/L														Interim Monitoring - No Limit
29	1,2-dichloroethane															Interim Monitoring - No Limit
30	1,1-Dichloroethylene	µg/L														Interim Monitoring - No Limit
31	1,2-dichloropropane	µg/L														Interim Monitoring - No Limit
32	1,3-dichloropropylene	µg/L														Interim Monitoring - No Limit
33	Ethylbenzene	µg/L														Interim Monitoring - No Limit
34	Methyl bromide	µg/L														Interim Monitoring - No Limit
35	Methyl chloride	µg/L														No Limit - No Criteria Available
36	Methylene chloride	µg/L														Interim Monitoring - No Limit
37	1,1,2,2-tetrachloroethane	µg/L														Interim Monitoring - No Limit

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					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B 1)	(RD-B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	Organisms O	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O											AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
38	Tetrachloroethylene	µg/L	0.6	<0.5	NONE	NONE	0.8	8.85	5	5	NO	Go to Tier 2		No	NO	NO	NO			
39	Toluene	µg/L	1	10	NONE	NONE	6800	200,000	150	150	NO	Go to Tier 2		No	NO	NO	NO			
40	Trans 1,2-Dichloroethylene	µg/L	0.6	<0.5	NONE	NONE	700	140,000	10	10	NO	Go to Tier 2		No	NO	NO	NO			
41	1,1,1-Trichloroethane	µg/L	0.6	<0.5	NONE	NONE	Narrative	Narrative	200	200	NO	Go to Tier 2		No	NO	NO	NO			
42	1,1,2-trichloroethane	µg/L	0.6	<0.5	NONE	NONE	0.6	42	5	5	NO	Go to Tier 2		No	NO	NO	NO			
43	Trichloroethylene	µg/L	0.6	<0.5	NONE	NONE	2.7	81	5	5	NO	Go to Tier 2		No	NO	NO	NO			
44	Vinyl chloride	µg/L	0.6	<0.5	NONE	NONE	2	525	0.5	0.5	NO	Go to Tier 2		No	NO	NO	NO			
45	2-chlorophenol	µg/L	0.6	<5	NONE	NONE	120	400		400	NO	Go to Tier 2		No	NO	NO	NO			
46	2,4-dihlorophenol	µg/L	0.6	<5	NONE	NONE	93	790		790	NO	Go to Tier 2		No	NO	NO	NO			
47	2,4-dimethylphenol	µg/L	0.6	<2	NONE	NONE	540	2,300		2,300	NO	Go to Tier 2		No	NO	NO	NO			
48	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	µg/L	0.6	<5	NONE	NONE	13.4	765		765	NO	Go to Tier 2		No	NO	NO	NO			
49	2,4-dinitrophenol	µg/L	0.6	<5	NONE	NONE	70	14,000		14,000	NO	Go to Tier 2		No	NO	NO	NO			
50	2-nitrophenol	µg/L	0.6	<5	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
51	4-nitrophenol	µg/L	0.6	<5	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	µg/L	0.6	<1	NONE	NONE	NONE	NONE		None	No Criteria Available	Go to Tier 2	<b>0.4</b>	No	NO	NO	NO			
53	Pentachlorophenol	µg/L	0.6	<1	pH depende	pH depende	0.28	8.2	1	1	NO	Go to Tier 2		No	NO	NO	NO			
54	Phenol	µg/L	0.6	<1	NONE	NONE	21,000	4,600,000		4.6x10^6	NO	Go to Tier 2		No	NO	NO	NO			
55	2,4,6-trihlorophenol	µg/L	0.6	0.6	NONE	NONE	2.1	6.5		6.5	NO	Go to Tier 2		No	NO	NO	NO			
56	Acenaphthene	µg/L	0.6	<0.3	NONE	NONE	1200	2,700		2,700	NO	Go to Tier 2		No	NO	NO	NO			
57	Acenaphthylene	µg/L	0.6	<0.2	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
58	Anthracene	µg/L	0.6	<0.2	NONE	NONE	9600	110,000		110,000	NO	Go to Tier 2		No	NO	NO	NO			
59	Benzidine	µg/L	0.6	<5	NONE	NONE	0.00012	0.00054		0.00054	ND>C	Go to Tier 2		No	NO	NO	NO			
60	Benzo(a)Anthracene	µg/L	0.6	<0.3	NONE	NONE	0.0044	0.049		0.049	ND>C	Go to Tier 2		No	NO	NO	NO			
61	Benzo(a)Pyrene	µg/L	0.6	<0.3	NONE	NONE	0.0044	0.049		0.049	NO	Go to Tier 2		No	NO	NO	NO			
62	Benzo(b)Fluoranthene	µg/L	0.6	<0.3	NONE	NONE	0.0044	0.049		0.049	NO	Go to Tier 2		No	NO	NO	NO			

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			MDEL hh	ECA acute multiplier (p.7)	Freshwater			Freshwater				Lowest AMEL	Lowest MDEL			
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)			MDEL aq.life		
38	Tetrachloroethylene	µg/L												5 --		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.
39	Toluene	µg/L														Interim Monitoring - No Limit
40	Trans 1,2-Dichloroethylene	µg/L														Interim Monitoring - No Limit
41	1,1,1-Trichloroethane	µg/L														Interim Monitoring - No Limit
42	1,1,2-trichloroethane	µg/L														Interim Monitoring - No Limit
43	Trichloroethylene	µg/L														Interim Monitoring - No Limit
44	Vinyl chloride	µg/L														Interim Monitoring - No Limit
45	2-chlorophenol	µg/L														Interim Monitoring - No Limit
46	2,4-dihlorophenol	µg/L														Interim Monitoring - No Limit
47	2,4-dimethylphenol	µg/L														Interim Monitoring - No Limit
48	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	µg/L														Interim Monitoring - No Limit
49	2,4-dinitrophenol	µg/L														Interim Monitoring - No Limit
50	2-nitrophenol	µg/L														No Criteria Available
51	4-nitrophenol	µg/L														No Criteria Available
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	µg/L														No Criteria Available
53	Pentachlorophenol	µg/L														Interim Monitoring - No Limit
54	Phenol	µg/L														Interim Monitoring - No Limit
55	2,4,6-trihlorophenol	µg/L														Interim Monitoring - No Limit
56	Acenaphthene	µg/L														Interim Monitoring - No Limit
57	Acenaphthylene	µg/L														No Criteria Available
58	Anthracene	µg/L														Interim Monitoring - No Limit
59	Benzidine	µg/L														Interim Monitoring - No Limit
60	Benzo(a)Anthracene	µg/L														Interim Monitoring - No Limit
61	Benzo(a)Pyrene	µg/L														Interim Monitoring - No Limit
62	Benzo(b)Fluoranthene	µg/L														Interim Monitoring - No Limit

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					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B (RD-1)	B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	Organisms O	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O											AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
63	Benzo(ghi)Perylene	µg/L	0.6	<0.1	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
64	Benzo(k)Fluoranthene	µg/L	0.6	<0.3	NONE	NONE	0.0044	0.049		0.049	NO	Go to Tier 2		No	NO	NO	NO			
65	Bis(2-Chloroethoxy) methane	µg/L	0.6	<5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
66	Bis(2-Chloroethyl)Ether	µg/L	0.6	<1	NONE	NONE	0.031	1.4		1.4	NO	Go to Tier 2		No	NO	NO	NO			
67	Bis(2-Chloroisopropyl) Ether	µg/L	0.6	<2	NONE	NONE	1400	170,000		170,000	NO	Go to Tier 2		No	NO	NO	NO			
68	<b>Bis(2-Ethylhexyl) Phthalate</b>	<b>µg/L</b>	<b>1.5</b>	<b>13</b>	<b>NONE</b>	<b>NONE</b>	<b>1.8</b>	<b>5.9</b>	<b>4</b>	<b>4</b>	<b>YES</b>	<b>YES</b>	<b>0.3</b>							
69	4-Bromophenyl Phenyl Ether	µg/L	0.6	<5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
70	Butylbenzyl Phthalate	µg/L	0.6	<5	NONE	NONE	3000	5,200		5,200	NO	Go to Tier 2		No	NO	NO	NO			
71	2-Chloronaphthalene	µg/L	0.6	<5	NONE	NONE	1700	4,300		4,300	NO	Go to Tier 2		No	NO	NO	NO			
72	4-Chlorophenyl Phenyl Ether	µg/L	0.6	<5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
73	Chrysene	µg/L	0.6	<0.3	NONE	NONE	0.0044	0.049		0.049	NO	Go to Tier 2		No	NO	NO	NO			
74	Dibenzo(a,h)Anthracene	µg/L	0.6	<0.1	NONE	NONE	0.0044	0.049		0.049	NO	Go to Tier 2		No	NO	NO	NO			
75	1,2-Dichlorobenzene	µg/L	0.6	<0.5	NONE	NONE	2700	17,000	600	600	NO	Go to Tier 2		No	NO	NO	NO			
76	1,3-Dichlorobenzene	µg/L	0.6	<0.5	NONE	NONE	400	2,600		2,600	NO	Go to Tier 2		No	NO	NO	NO			
77	<b>1,4-Dichlorobenzene</b>	<b>µg/L</b>	<b>1.1</b>	<b>0.4</b>	<b>NONE</b>	<b>NONE</b>	<b>400</b>	<b>2,600</b>	<b>5</b>	<b>5</b>	<b>NO</b>	<b>Go to Tier 2</b>		<b>No</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>			
78	3,3'-Dichlorobenzidine	µg/L	0.6	<5	NONE	NONE	0.04	0.077		0.077	ND>C	Go to Tier 2		No	NO	NO	NO			
79	Diethyl Phthalate	µg/L	0.6	<2	NONE	NONE	23000	120,000		120,000	NO	Go to Tier 2		No	NO	NO	NO			
80	Dimethyl Phthalate	µg/L	0.6	<2	NONE	NONE	313000	2,900,000		2.9x10 <sup>6</sup>	NO	Go to Tier 2		No	NO	NO	NO			
81	Di-n-Butyl Phthalate	µg/L	0.6	<5	NONE	NONE	2700	12,000		12,000	NO	Go to Tier 2		No	NO	NO	NO			
82	2,4-Dinitrotoluene	µg/L	0.6	<5	NONE	NONE	0.11	9.1		9.1	NO	Go to Tier 2		No	NO	NO	NO			
83	2,6-Dinitrotoluene	µg/L	0.6	<5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
84	Di-n-Octyl Phthalate	µg/L	0.6	<5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
85	1,2-Diphenylhydrazine	µg/L	0.6	<1	NONE	NONE	0.04	0.54		0.54	NO	Go to Tier 2			NO	NO	NO			

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(CA0053597, CI#1278)

CTR#	DATE	Units	CALCULATIONS		AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation
			MDEL hh	ECA acute multiplier (p.7)	Freshwater				Freshwater				Lowest AMEL	Lowest MDEL		
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aq.life				
63	Benzo(ghi)Perylene	µg/L														No Criteria Available
64	Benzo(k)Fluoranthene	µg/L														Interim Monitoring - No Limit
65	Bis(2-Chloroethoxy) methane	µg/L														No Criteria Available
66	Bis(2-Chloroethyl)Ether	µg/L														Interim Monitoring - No Limit
67	Bis(2-Chloroisopropyl) Ether	µg/L														Interim Monitoring - No Limit
68	<b>Bis(2-Ethylhexyl) Phthalate</b>	µg/L											--	4.0		<b>Need limit (Tier 1). RPA to exceed basin Plan WQO, which is more stringent than applicable CTR criteria.</b>
69	4-Bromophenyl Phenyl Ether	µg/L														No Criteria Available
70	Butylbenzyl Phthalate	µg/L														Interim Monitoring - No Limit
71	2-Chloronaphthalene	µg/L														Interim Monitoring - No Limit
72	4-Chlorophenyl Phenyl Ether	µg/L														No Criteria Available
73	Chrysene	µg/L														Interim Monitoring - No Limit
74	Dibenzo(a,h)Anthracene	µg/L														Interim Monitoring - No Limit
75	1,2-Dichlorobenzene	µg/L														Interim Monitoring - No Limit
76	1,3-Dichlorobenzene	µg/L														Interim Monitoring - No Limit
77	<b>1,4-Dichlorobenzene</b>	µg/L											5	--		Retain existing limit from Order 96-042, for protection of GWR & Antbacksiding.
78	3,3'-Dichlorobenzidine	µg/L														Interim Monitoring - No Limit
79	Diethyl Phthalate	µg/L														Interim Monitoring - No Limit
80	Dimethyl Phthalate	µg/L														Interim Monitoring - No Limit
81	Di-n-Butyl Phthalate	µg/L														Interim Monitoring - No Limit
82	2,4-Dinitrotoluene	µg/L														Interim Monitoring - No Limit
83	2,6-Dinitrotoluene	µg/L														No Criteria Available
84	Di-n-Octyl Phthalate	µg/L														No Criteria Available
85	1,2-Diphenylhydrazine	µg/L														Interim Monitoring - No Limit



TABLE R1

Camarillo Sanitary District  
Camarillo Water Reclamation plant  
(CA0053597, C#1278)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)								HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B 1)	(RD-B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	Organisms O	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O											AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
86	Fluoranthene	µg/L	0.6	<0.05	NONE	NONE	300	370		370	NO	Go to Tier 2		No	NO	NO	NO			
87	Fluorene	µg/L	0.6	<0.1	NONE	NONE	1300	14,000		14,000	NO	Go to Tier 2		No	NO	NO	NO			
88	Hexachlorobenzene	µg/L	0.6	<1	NONE	NONE	0.00075	0.00077		0.00077	ND>C	Go to Tier 2		No	NO	NO	NO			
89	Hexachlorobutadiene	µg/L	0.6	<1	NONE	NONE	0.44	50		50	NO	Go to Tier 2		No	NO	NO	NO			
90	Hexachlorocyclopentadiene	µg/L	0.6	<5	NONE	NONE	240	17,000		17,000	NO	Go to Tier 2		No	NO	NO	NO			
91	Hexachloroethane	µg/L	0.6	<1	NONE	NONE	1.9	8.9		8.9	NO	Go to Tier 2		No	NO	NO	NO			
92	Indeno(1,2,3-cd)Pyrene	µg/L	0.6	<0.05	NONE	NONE	0.0044	0.049		0.049	NO	Go to Tier 2		No	NO	NO	NO			
93	Isophorone	µg/L	0.6	<1	NONE	NONE	8.4	600		600	NO	Go to Tier 2		No	NO	NO	NO			
94	Napthalene	µg/L	0.6	<0.2	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
95	Nitrobenzene	µg/L	0.6	<1	NONE	NONE	17	1,900		1,900	NO	Go to Tier 2		No	NO	NO	NO			
96	N-Nitrosodimethylamine	µg/L	0.6	<5	NONE	NONE	0.00069	8.1		8.1	NO	Go to Tier 2		0.9	No	NO	NO	NO		
97	N-Nitrosodi-n-Propylamine	µg/L	0.6	<5	NONE	NONE	0.005	1.4		1.4	NO	Go to Tier 2		No	NO	NO	NO			
98	N-Nitrosodiphenylamine	µg/L	0.6	<1	NONE	NONE	5	16		16	NO	Go to Tier 2		No	NO	NO	NO			
99	Phenanthrene	µg/L	0.6	<0.05	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		NA	NO	NO	NO			
100	Pyrene	µg/L	0.6	<0.05	NONE	NONE	960	11,000		11,000	NO	Go to Tier 2		No	NO	NO	NO			
101	1,2,4-Trichlorobenzene	µg/L	0.6	<5	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		NA	NO	NO	NO			
102	Aldrin	µg/L	0.6	<0.005		3 NONE	0.00013	0.00014		0.00014	ND>C	Go to Tier 2		No	NO	NO	NO			
103	alpha-BHC	µg/L	0.6	<0.01	NONE	NONE	0.0039	0.013		0.013	NO	Go to Tier 2		No	NO	NO	NO			
104	beta-BHC	µg/L	0.6	<0.005	NONE	NONE	0.014	0.046		0.046	NO	Go to Tier 2		No	NO	NO	NO			
105	gamma-BHC (aka Lindane)	µg/L	0.6	<0.01		0.95 NONE	0.019	0.063	0.2	0.063	NO	Go to Tier 2		No	NO	NO	NO			
106	delta-BHC	µg/L	0.6	<0.005	NONE	NONE	NONE	NONE		NONE	No Criteria Available	Go to Tier 2		No	NO	NO	NO			
107	Chlordane	µg/L	0.6	<0.02		2.4 0.0043	0.00057	0.00059		0.00059	ND>C	Go to Tier 2		No	NO	NO	NO			
108	4,4'-DDT	µg/L	0.6	<0.01		1.1 0.001	0.00059	0.00059		0.00059	ND>C	Go to Tier 2		No	NO	NO	NO			
109	4,4'-DDE	µg/L	0.6	0.188	NONE	NONE	0.00059	0.00059		0.00059	YES	YES	0.004					0.00059	2.01	

TABLE R1

Camarillo Sanitary District  
Camarillo Water Reclamation plant  
(CA0053597, C#1278)

CTR#	DATE	Units	CALCULATIONS		AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation
			MDEL hh	ECA acute multiplier (p.7)	Freshwater				Freshwater				Lowest AMEL	Lowest MDEL		
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aq.life				
86	Fluoranthene	µg/L														Interim Monitoring - No Limit
87	Fluorene	µg/L														Interim Monitoring - No Limit
88	Hexachlorobenzene	µg/L														Interim Monitoring - No Limit
89	Hexachlorobutadiene	µg/L														Interim Monitoring - No Limit
90	Hexachlorocyclopentadiene	µg/L														Interim Monitoring - No Limit
91	Hexachloroethane	µg/L														Interim Monitoring - No Limit
92	Indeno(1,2,3-cd)Pyrene	µg/L														Interim Monitoring - No Limit
93	Isophorone	µg/L														Interim Monitoring - No Limit
94	Napthalene	µg/L														No Criteria Available
95	Nitrobenzene	µg/L														Interim Monitoring - No Limit
96	N-Nitrosodimethylamine	µg/L														Interim Monitoring - No Limit
97	N-Nitrosodi-n-Propylamine	µg/L														Interim Monitoring - No Limit
98	N-Nitrosodiphenylamine	µg/L														Interim Monitoring - No Limit
99	Phenanthrene	µg/L														Interim Monitoring - No Limit
100	Pyrene	µg/L														Interim Monitoring - No Limit
101	1,2,4-Trichlorobenzene	µg/L														Interim Monitoring - No Limit
102	Aldrin	µg/L														Interim Monitoring - No Limit
103	alpha-BHC	µg/L														Interim Monitoring - No Limit
104	beta-BHC	µg/L														Interim Monitoring - No Limit
105	gamma-BHC (aka Lindane)	µg/L											0.2	--		Retain existing limit from Order 96-042, for protection of GWR & Antbacksiding.
106	delta-BHC	µg/L														Interim Monitoring - No Limit
107	Chlordane	µg/L											0.1	--		Retain existing limit from Order 96-042, for protection of GWR & Antbacksiding.
108	4,4'-DDT	µg/L														Interim Monitoring - No Limit
109	4,4'-DDE	µg/L	0.0011859										0.00059	0.0011859		Need limit (Tier1). Based on Human health organisms only.

TABLE R1

Camarillo Sanitary District  
Camarillo Water Reclamation plant  
(CA0053597, C#1278)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)								HUMAN HEALTH CALCULATIONS	
					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B 1) (RD-B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	Organisms O	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O										AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
110	4,4'-DDD	µg/L	0.6	0.0064	NONE	NONE	0.00083	0.00084		0.00084	YES	YES						0.00084	2.01
111	Dieldrin	µg/L	0.6	<0.01	0.24	0.056	0.00014	0.00014		0.00014	ND>C	Go to Tier 2		No	NO	NO	NO		
112	alpha-Endosulfan	µg/L	0.6	<0.01	0.22	0.056	110	240		0.056	NO	Go to Tier 2		No	NO	NO	NO		
113	beta-Endosulfan	µg/L	0.6	<0.01	0.22	0.056	110	240		0.056	NO	Go to Tier 2		No	NO	NO	NO		
114	Endosulfan Sulfate	µg/L	0.6	<0.01	NONE	NONE	110	240		240	NO	Go to Tier 2	0.01	No	NO	NO	NO		
115	Endrin	µg/L	0.6	<0.01	0.086	0.036	0.76	0.81		0.036	NO	Go to Tier 2		No	NO	NO	NO		
116	Endrin Aldehyde	µg/L	0.6	<0.01	NONE	NONE	0.76	0.81		0.81	NO	Go to Tier 2		No	NO	NO	NO		
117	Heptachlor	µg/L	0.6	<0.01	0.52	0.0038	0.00021	0.00021		0.00021	ND>C	Go to Tier 2		No	NO	NO	NO		
118	Heptachlor Epoxide	µg/L	0.6	<0.01	0.52	0.0038	0.0001	0.00011		0.00011	ND>C	Go to Tier 2		No	NO	NO	NO		
	Polychlorinated biphenyls (PCBs)	µg/L													NO	NO	NO		
119	Aroclor 1016	µg/L	0.6	<0.1	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2		No	NO	NO	NO		
120	Aroclor 1221	µg/L	0.6	<0.1	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2		No	NO	NO	NO		
121	Aroclor 1232	µg/L	0.6	<0.1	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2		No	NO	NO	NO		
122	Aroclor 1242	µg/L	0.6	<0.1	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2		No	NO	NO	NO		
123	Aroclor 1248	µg/L	0.6	<1	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2		No	NO	NO	NO		
124	Aroclor 1254	µg/L	0.6	0.031	NONE	0.014	0.00017	0.00017		0.00017	YES	YES					0.00017	2.01	
125	Aroclor 1260	µg/L	0.6	<0.01	NONE	0.014	0.00017	0.00017		0.00017	ND>C	Go to Tier 2		No	NO	NO	NO		
126	Toxaphene	µg/L	0.6	<0.4	0.73	0.0002	0.0073	0.00075		0.00075	ND>C	Go to Tier 2		No	NO	NO	NO		
	Barium	µg/L	0.7	100					1000										
	Iron	µg/L	0.6	170					300										

TABLE R1

Camarillo Sanitary District  
Camarillo Water Reclamation plant  
(CA0053597, CI#1278)

CTR#	DATE	Units	CALCULATIONS		AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation Need limit (Tier1). Based on Human health organisms only.
			MDEL hh	ECA acute multiplier (p.7)	Freshwater			Freshwater				Lowest AMEL	Lowest MDEL			
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)			MDEL aq.life		
110	4,4'-DDD	µg/L	0.0016884										0.00084	0.0016884	Interim Monitoring - No Limit	
111	Dieldrin	µg/L													Interim Monitoring - No Limit	
112	alpha-Endosulfan	µg/L													Interim Monitoring - No Limit	
113	beta-Endosulfan	µg/L													Interim Monitoring - No Limit	
114	Endosulfan Sulfate	µg/L													Interim Monitoring - No Limit	
115	Endrin	µg/L											2 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.	
116	Endrin Aldehyde	µg/L													Interim Monitoring - No Limit	
117	Heptachlor	µg/L													Interim Monitoring - No Limit	
118	Heptachlor Epoxide	µg/L													Interim Monitoring - No Limit	
	Polychlorinated biphenyls (PCBs)	µg/L													Interim Monitoring - No Limit	
119	Aroclor 1016	µg/L													Interim Monitoring - No Limit	
120	Aroclor 1221	µg/L													Interim Monitoring - No Limit	
121	Aroclor 1232	µg/L													Interim Monitoring - No Limit	
122	Aroclor 1242	µg/L													Interim Monitoring - No Limit	
123	Aroclor 1248	µg/L													Interim Monitoring - No Limit	
124	Aroclor 1254	µg/L	0.0003417										0.00017	0.00034	Interim Monitoring - No Limit	
125	Aroclor 1260	µg/L													Interim Monitoring - No Limit	
126	Toxaphene	µg/L											3 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.	
	Barium	µg/L											1000 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.	
	Iron	µg/L											300 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.	

TABLE R1

Camarillo Sanitary District  
 Camarillo Water Reclamation plant  
 (CA0053597, C#1278)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)								HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health			Title 22 GWR	Lowest C	MEC >= Lowest C	Tier 1 - Need limit?	B 1)	(RD-B>C	Tier 2 - Need limit?	Tier 3 - other info. ?	Tier 3 - need limit?	Organisms O	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O											AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
	Methoxychlor	µg/L							40											
	2,4-D	µg/L							100											
	2,4,5-TP (Silvex)	µg/L							10											
	Halomethanes	µg/L							100											
FOOTNOTE:																				
*	These metals are hardness dependent. CTR criteria was calculated using an average receiving water hardness of 311 mg/L, at Adolfo Road.																			

TABLE R1

Camarillo Sanitary District  
 Camarillo Water Reclamation plant  
 (CA0053597, C#1278)

CTR#	DATE	Units	CALCULATIONS		AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation
			MDEL hh	ECA acute multiplier (p.7)	Freshwater			Freshwater				Lowest AMEL	Lowest MDEL			
					LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)			MDEL aq.life		
	Methoxychlor	µg/L												40 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.
	2,4-D	µg/L												100 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.
	2,4,5-TP (Silvex)	µg/L												10 ---		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.
	Halomethanes	µg/L												100 --		Retain existing limit from Order 96-042, for protection of GWR & Antbacksliding.
FOOTNOTE:																
*	These metals are hardness dependent. CTR criteria was calculated using an average receiving water hardness of 311 mg/L, at Adolfo Road.															