

TABLE R1
Reasonable Potential Analysis (RPA)

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

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)						HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health			Title 22 GWR					Organisms Only			
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O			Lowest C	Tier 1 MEC >= Lowest C	B (R-1)	Tier 2 B>C & Eff.present	Tier 3 - other info. ?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
1	Antimony	µg/L	0.6	<45	NONE	NONE	14	4300	6	6	No	54	Yes					
2	Arsenic	µg/L	0.7	2.81	340	150	NONE	NONE	10	10	No	4.55	No					
3	Beryllium	µg/L	0.6	<5	NONE	NONE	Narrative	Narrative	4	4	No	<0.02	No					
4	Cadmium*	µg/L	0.6	3	19	6.8	Narrative	Narrative	5	5	No	7	Yes					
5a	Chromium III*	µg/L	2.1	<5	4980	590	Narrative	Narrative		590	No	9	No					
5b	Chromium VI	µg/L	0.6	<5	16.293279	11.434511	Narrative	Narrative	50	11	No	0.94	No					
6	Copper*	µg/L	0.6	166	47	28	1300	NONE	28	Yes	9		TMDL					
7	Lead*	µg/L	0.6	<50	420	16	Narrative	Narrative		16	No	0.19	No					
8	Mercury	µg/L	0.6	<0.2	Reserved	Reserved	0.05	0.051	2	0.051	No	0.04	No	TMDL				
9	Nickel*	µg/L	0.6	3	1390	155	610	4600	100	100	No	5.7	No	TMDL				
10	Selenium	µg/L	0.5	3.3	Reserved	5	Narrative	Narrative	50	5	No	6	Yes					
11	Silver*	µg/L	0.6	<10	37	none	NONE	NONE	37	No	<0.01	No						
12	Thallium	µg/L	1.6	<0.1	NONE	NONE	1.7	6.3	2	2	No	0.8	No					
13	Zinc*	µg/L	0.3	24	356	356	none	NONE	356	No	31	No						
14	Cyanide	µg/L	1	5	22	5.2	700	220,000	200	5.2	No	4	No					
15	Asbestos	Fibers/L			NONE	NONE	7,000,000	NONE	7x10^6	7x10^6	No		No					
16	2,3,7,8-TCDD (Dioxin)	µg/L	1.6	0.235	NONE	NONE	1.3E-08	1.4E-08	3x10^-5	0.000000014	0.537							
17	Acrolein	µg/L	0.6	<50	NONE	NONE	320	780	780	No	ND	No						
18	Acrylonitrile	µg/L	0.6	<50	NONE	NONE	0.059	0.66	0.66	No	ND	No						
19	Benzene	µg/L	0.6	<5	NONE	NONE	1.2	71	1	1	No	ND	No					
20	Bromoform	µg/L	0.6	<5	NONE	NONE	4.3	360	360	No	<5	No						
21	Carbon Tetrachloride	µg/L	0.6	<4.3	NONE	NONE	0.25	4.4	0.5	0.5	No	<5	No					
22	Chlorobenzene	µg/L	0.6	<5	NONE	NONE	680	21,000	21,000	No	ND	No						
23	Dibromochloromethane	µg/L	0.6	3.2	NONE	NONE	0.401	34	34	No	<5	No						
24	Chloroethane	µg/L	0.6	<5	NONE	NONE	NONE	NONE	NONE	No Criteria Available	ND	No						
25	2-chloroethyl vinyl ether	µg/L	0.6	<5	NONE	NONE	NONE	NONE	NONE	No Criteria Available	ND	No						
26	Chloroform	µg/L	0.3	5.1	NONE	NONE	Reserved	Reserved	Reserved	No Criteria Available	<5	No						
27	Dichlorobromomethane	µg/L	0.4	1.4	NONE	NONE	0.56	46	46	No	<5	No						
28	1,1-Dichloroethane	µg/L	0.6	<5	NONE	NONE	NONE	NONE	5	5	No	ND	No					
29	1,2-dichloroethane	µg/L	0.6	<5	NONE	NONE	0.38	99	0.5	0.5	No	ND	No					
30	1,1-Dichloroethylene	µg/L	0.6	<5	NONE	NONE	0.057	3.2	6	3.2	No	ND	No					
31	1,2-dichloropropane	µg/L	0.6	<1	NONE	NONE	0.52	39	5	5	No	ND	No					

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CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation	
			Freshwater					Freshwater							
			ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aqlife	Lowest AMEL	Lowest MDEL		
1	Antimony	µg/L											6	--	Tier 2 RP. Limit based on MCL for protection of GWR (groundwater recharge) BU.
2	Arsenic	µg/L											--	--	No RP. No limit. Semiannual monitoring.
3	Beryllium	µg/L											--	--	No RP. No limit. Semiannual monitoring.
4	Cadmium*	µg/L											5	--	Tier 2 RP. Limit based on MCL for protection of GWR (groundwater recharge) BU.
5a	Chromium III*	µg/L											--	--	No RP. No limit. Semiannual monitoring.
5b	Chromium VI	µg/L											--	--	No RP. No limit. Semiannual monitoring.
6	Copper*	µg/L	0.321	15.087	0.527	14.756	14.756	1.55	22.8718	3.11	45.89116	23	46		TMDL-based, Calculated using CTR Aquatic Life criteria consistent w/ TMDL implementation.
7	Lead*	µg/L											--	--	No RP. No limit. Semiannual monitoring.
8	Mercury	µg/L											0.015 pounds/month	NA	TMDL-based
9	Nickel*	µg/L	0.321	446.19	0.527	81.685	81.685	1.55	126.61175	3.11	254.0404	127	254		TMDL-based, Calculated using CTR Aquatic Life criteria consistent w/ TMDL implementation.
10	Selenium	µg/L	0.321	NA	0.527	2.635	2.635	1.55	4.08425	3.11	8.19485	4.1	8.2		Tier 2 RP. Limit based on CTR Aquatic Life criteria.
11	Silver*	µg/L											--	--	No RP. No limit. Semiannual monitoring.
12	Thallium	µg/L											--	--	No RP. No limit. Semiannual monitoring.
13	Zinc*	µg/L											--	--	No RP. No limit. Semiannual monitoring.
14	Cyanide	µg/L											--	--	No RP. No limit. Semiannual monitoring.
15	Asbestos	Fibers/L											--	--	No RP. No limit. No monitoring.
16	2,3,7,8-TCDD (Dioxin)	µg/L											--	--	
17	Acrolein	µg/L											--	--	No RP. No limit. Semiannual monitoring.
18	Acrylonitrile	µg/L											--	--	No RP. No limit. Semiannual monitoring.
19	Benzene	µg/L											--	--	No RP. No limit. Semiannual monitoring.
20	Bromoform	µg/L											--	--	No RP. No limit. Semiannual monitoring.
21	Carbon Tetrachloride	µg/L											--	--	No RP. No limit. Semiannual monitoring.
22	Chlorobenzene	µg/L											--	--	No RP. No limit. Semiannual monitoring.
23	Dibromochloromethane	µg/L											--	--	No RP. No limit. Semiannual monitoring.
24	Chloroethane	µg/L											--	--	No RP. No limit. Semiannual monitoring.
25	2-chloroethyl vinyl ether	µg/L											--	--	No RP. No limit. Semiannual monitoring.
26	Chloroform	µg/L											--	--	No RP. No limit. Semiannual monitoring.
27	Dichlorobromomethane	µg/L											--	--	No RP. No limit. Semiannual monitoring.
28	1,1-Dichloroethane	µg/L											--	--	No RP. No limit. Semiannual monitoring.
29	1,2-dichloroethane	µg/L											--	--	No RP. No limit. Semiannual monitoring.
30	1,1-Dichloroethylene	µg/L											--	--	No RP. No limit. Semiannual monitoring.
31	1,2-dichloropropane	µg/L											--	--	No RP. No limit. Semiannual monitoring.

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					Freshwater		Human Health			Title 22 GWR	Lowest C	Tier 1 MEC >= Lowest C	B (R-1)	Tier 2 B>C & Eff.present	Tier 3 - other info. ?	Organisms Only		
					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	MDEL hh
32	1,3-dichloropropylene	µg/L	0.6	<5	NONE	NONE	10	1,700	0.5	0.5	No	ND	No					
33	Ethylbenzene	µg/L	0.6	<5	NONE	NONE	3100	29,000	0.3	0.3	No	ND	No					
34	Methyl bromide	µg/L	0.6	<5	NONE	NONE	48	4,000		4,000	No	1.5	No					
35	Methyl chloride	µg/L	0.6	<5	NONE	NONE	Narrative	Narrative		Narrative	No Criteria Available	<5	No					
36	Methylene chloride	µg/L	0.6	<5	NONE	NONE	4.7	1,600		1,600	No	ND	No					
37	1,1,2,2-tetrachloroethne	µg/L	0.6	<5	NONE	NONE	0.17	11	1	1	No	ND	No					
38	Tetrachloroethylene	µg/L	0.6	<5	NONE	NONE	0.8	8.85	5	5	No	ND	No					
39	Toluene	µg/L	0.6	<5	NONE	NONE	6800	200,000	150	150	No	ND	No					
40	Trans 1,2-Dichloroethylene	µg/L	0.6	<5	NONE	NONE	700	140,000	10	10	No	ND	No					
41	1,1,1-Trichloroethane	µg/L	0.6	<5	NONE	NONE	Narrative	Narrative	200	200	No	ND	No					
42	1,1,2-trichloroethane	µg/L	0.6	<5	NONE	NONE	0.6	42	5	5	No	ND	No					
43	Trichloroethylene	µg/L	0.6	<5	NONE	NONE	2.7	81	5	5	No	ND	No					
44	Vinyl chloride	µg/L	0.6	<5	NONE	NONE	2	525	0.5	0.5	No	ND	No					
45	2-chlorophenol	µg/L	0.6	<9.4	NONE	NONE	120	400		400	No	ND	No					
46	2,4-dihlorophenol	µg/L	0.6	<9.4	NONE	NONE	93	790		790	No	ND	No					
47	2,4-dimethylphenol	µg/L	0.6	<9.4	NONE	NONE	540	2,300		2,300	No	ND	No					
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)	µg/L	0.6	<24	NONE	NONE	13.4	765		765	No	ND	No					
49	2,4-dinitrophenol	µg/L	0.6	<24	NONE	NONE	70	14,000		14,000	No	ND	No					
50	2-nitrophenol	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		None	No Criteria Available	ND	No					
51	4-nitrophenol	µg/L	0.6	<24	NONE	NONE	NONE	NONE		None	No Criteria Available	ND	No					
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		None	No Criteria Available	ND	No					
53	Pentachlorophenol	µg/L	0.6	<24	pH dependent	pH dependent	0.28	8.2	1	1	No	ND	No					
54	Phenol	µg/L	0.6	<24	NONE	NONE	21,000	4,600,000		4.6x10^6	No	ND	No					
55	2,4,6-trihlorophenol	µg/L	0.6	<9.4	NONE	NONE	2.1	6.5		6.5	No	ND	No					
56	Acenaphthene	µg/L	0.6	<9.4	NONE	NONE	1200	2,700		2,700	No	ND	No					
57	Acenaphthylene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
58	Anthracene	µg/L	0.6	<9.4	NONE	NONE	9600	110,000		110,000	No	ND	No					
59	Benzidine	µg/L	0.6	<47	NONE	NONE	0.00012	0.00054		0.00054	No	ND	No					
60	Benzo(a)Anthracene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	ND	No					
61	Benzo(a)Pyrene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	0.37	No					
62	Benzo(b)Fluoranthene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	0.34	No					
63	Benzo(ghi)Perylene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	0.45	No					
64	Benzo(k)Fluoranthene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	0.34	No					
65	Bis(2-Chloroethoxy) methane	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
66	Bis(2-Chloroethyl) Ether	µg/L	0.6	<9.4	NONE	NONE	0.031	1.4		1.4	No	ND	No					

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			Freshwater					Freshwater						
			ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aqlife	Lowest AMEL	Lowest MDEL	
32	1,3-dichloropropylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
33	Ethylbenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
34	Methyl bromide	µg/L										--	--	No RP. No limit. Semiannual monitoring.
35	Methyl chloride	µg/L										--	--	No RP. No limit. Semiannual monitoring.
36	Methylene chloride	µg/L										--	--	No RP. No limit. Semiannual monitoring.
37	1,1,2,2-tetrachloroethne	µg/L										--	--	No RP. No limit. Semiannual monitoring.
38	Tetrachloroethylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
39	Toluene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
40	Trans 1,2-Dichloroethylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
41	1,1,1-Trichloroethane	µg/L										--	--	No RP. No limit. Semiannual monitoring.
42	1,1,2-trichloroethane	µg/L										--	--	No RP. No limit. Semiannual monitoring.
43	Trichloroethylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
44	Vinyl chloride	µg/L										--	--	No RP. No limit. Semiannual monitoring.
45	2-chlorophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
46	2,4-dihlorophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
47	2,4-dimethylphenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)	µg/L										--	--	No RP. No limit. Semiannual monitoring.
49	2,4-dinitrophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
50	2-nitrophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
51	4-nitrophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	µg/L										--	--	No RP. No limit. Semiannual monitoring.
53	Pentachlorophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
54	Phenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
55	2,4,6-trihlorophenol	µg/L										--	--	No RP. No limit. Semiannual monitoring.
56	Acenaphthene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
57	Acenaphthylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
58	Anthracene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
59	Benzidine	µg/L										--	--	No RP. No limit. Semiannual monitoring.
60	Benzo(a)Anthracene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
61	Benzo(a)Pyrene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
62	Benzo(b)Fluoranthene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
63	Benzo(ghi)Perylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
64	Benzo(k)Fluoranthene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
65	Bis(2-Chloroethoxy) methane	µg/L										--	--	No RP. No limit. Semiannual monitoring.
66	Bis(2-Chloroethyl) Ether	µg/L										--	--	No RP. No limit. Semiannual monitoring.

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					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O			Lowest C	Tier 1 MEC >= Lowest C	B (R-1)	Tier 2 B>C & Eff.present	Tier 3 - other info. ?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
67	Bis(2-Chloroisopropyl) Ether	µg/L	0.6	<9.4	NONE	NONE	1400	170,000		170,000	No	ND	No					
68	Bis(2-Ethylhexyl) Phthalate	µg/L	0.6	0.67	NONE	NONE	1.8	5.9	4	4	No	3.9	No					
69	4-Bromophenyl Phenyl Ether	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
70	Butylbenzyl Phthalate	µg/L	0.6	<9.4	NONE	NONE	3000	5,200		5,200	No	ND	No					
71	2-Chloronaphthalene	µg/L	0.6	<9.4	NONE	NONE	1700	4,300		4,300	No	ND	No					
72	4-Chlorophenyl Phenyl Ether	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
73	Chrysene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	ND	No					
74	Dibenzo(a,h)Anthracene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	0.73	No					
75	1,2-Dichlorobenzene	µg/L	0.6	<5	NONE	NONE	2700	17,000	600	600	No	ND	No					
76	1,3-Dichlorobenzene	µg/L	0.6	<5	NONE	NONE	400	2,600		2,600	No	ND	No					
77	1,4-Dichlorobenzene	µg/L	0.6	<5	NONE	NONE	400	2,600	5	5	No	0.48	No					
78	3,3'-Dichlorobenzidine	µg/L	0.6	<24	NONE	NONE	0.04	0.077		0.077	No	ND	No					
79	Diethyl Phthalate	µg/L	0.7	<9.4	NONE	NONE	23000	120,000		120,000	No	1.8	No					
80	Dimethyl Phthalate	µg/L	0.6	<9.4	NONE	NONE	313000	2,900,000		2.9x10^6	No	2.2	No					
81	Di-n-Butyl Phthalate	µg/L	0.6	1	NONE	NONE	2700	12,000		12,000	No	ND	No					
82	2,4-Dinitrotoluene	µg/L	0.6	<9.4	NONE	NONE	0.11	9.1		9.1	No	ND	No					
83	2,6-Dinitrotoluene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
84	Di-n-Octyl Phthalate	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
85	1,2-Diphenylhydrazine	µg/L	1	<4.8	NONE	NONE	0.04	0.54		0.54	No	ND	No					
86	Fluoranthene	µg/L	0.6	<9.4	NONE	NONE	300	370		370	No	ND	No					
87	Fluorene	µg/L	0.6	<9.4	NONE	NONE	1300	14,000		14,000	No	ND	No					
88	Hexachlorobenzene	µg/L	0.6	<9.4	NONE	NONE	0.00075	0.00077		0.00077	No	ND	No					
89	Hexachlorobutadiene	µg/L	0.6	<9.4	NONE	NONE	0.44	50		50	No	ND	No					
90	Hexachlorocyclopentadiene	µg/L	0.6	<9.4	NONE	NONE	240	17,000		17,000	No	ND	No					
91	Hexachloroethane	µg/L	0.6	<9.4	NONE	NONE	1.9	8.9		8.9	No	ND	No					
92	Indeno(1,2,3-cd)Pyrene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	0.88	No					
93	Isophorone	µg/L	0.6	<9.4	NONE	NONE	8.4	600		600	No	ND	No					
94	Napthalene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
95	Nitrobenzene	µg/L	0.6	<9.4	NONE	NONE	17	1,900		1,900	No	ND	No					
96	N-Nitrosodimethylamine	µg/L	0.6	<9.7	NONE	NONE	0.00069	8.1		8.1	No	ND	No					
97	N-Nitrosodi-n-Propylamine	µg/L	0.6	<9.4	NONE	NONE	0.005	1.4		1.4	No	ND	No					
98	N-Nitrosodiphenylamine	µg/L	0.6	<9.7	NONE	NONE	5	16		16	No	ND	No					
99	Phenanthrene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
100	Pyrene	µg/L	0.6	<9.4	NONE	NONE	960	11,000		11,000	No	ND	No					
101	1,2,4-Trichlorobenzene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
102	Aldrin	µg/L	0.6	0.0026	3	NONE	0.00013	0.00014		0.00014	Yes	<0.02			0.00014	2.01	0.0002814	
103	alpha-BHC	µg/L	0.6	0.024	NONE	NONE	0.0039	0.013		0.013	Yes	0.055	Yes		0.013	2.01	0.02613	
104	beta-BHC	µg/L	0.6	<0.015	NONE	NONE	0.014	0.046		0.046	No	<0.0150	No					
105	gamma-BHC (aka Lindane)	µg/L	0.6	0.008	0.95	NONE	0.019	0.063	0.2	0.063	No	0.0047	No					
106	delta-BHC	µg/L	0.6	<0.0095	NONE	NONE	NONE	NONE	No	NONE	No Criteria Available	0.0583	No					

TABLE R1
Reasonable Potential Analysis (RPA)

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

CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation
			Freshwater					Freshwater				PROPOSED LIMITS		
			ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aqlife	Lowest AMEL	Lowest MDEL	
67	Bis(2-Chloroisopropyl) Ether	µg/L										--	--	No RP. No limit. Semiannual monitoring.
68	Bis(2-Ethylhexyl) Phthalate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
69	4-Bromophenyl Phenyl Ether	µg/L										--	--	No RP. No limit. Semiannual monitoring.
70	Butylbenzyl Phthalate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
71	2-Chloronaphthalene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
72	4-Chlorophenyl Phenyl Ether	µg/L										--	--	No RP. No limit. Semiannual monitoring.
73	Chrysene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
74	Dibenzo(a,h)Anthracene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
75	1,2-Dichlorobenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
76	1,3-Dichlorobenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
77	1,4-Dichlorobenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
78	3,3'-Dichlorobenzidine	µg/L										--	--	No RP. No limit. Semiannual monitoring.
79	Diethyl Phthalate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
80	Dimethyl Phthalate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
81	Di-n-Butyl Phthalate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
82	2,4-Dinitrotoluene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
83	2,6-Dinitrotoluene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
84	Di-n-Octyl Phthalate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
85	1,2-Diphenylhydrazine	µg/L										--	--	No RP. No limit. Semiannual monitoring.
86	Fluoranthene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
87	Fluorene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
88	Hexachlorobenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
89	Hexachlorobutadiene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
90	Hexachlorocyclopentadiene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
91	Hexachloroethane	µg/L										--	--	No RP. No limit. Semiannual monitoring.
92	Indeno(1,2,3-cd)Pyrene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
93	Isophorone	µg/L										--	--	No RP. No limit. Semiannual monitoring.
94	Napthalene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
95	Nitrobenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
96	N-Nitrosodimethylamine	µg/L										--	--	No RP. No limit. Semiannual monitoring.
97	N-Nitrosodi-n-Propylamine	µg/L										--	--	No RP. No limit. Semiannual monitoring.
98	N-Nitrosodiphenylamine	µg/L										--	--	No RP. No limit. Semiannual monitoring.
99	Phenanthrene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
100	Pyrene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
101	1,2,4-Trichlorobenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
102	Aldrin	µg/L	0.321	0.963	0.527	NA	0.963	1.55	1.49265	3.11	2.99493	0.00014	0.000281	Tier1 RP. Limit Based on CTR Human Health organisms only criteria. CTR human health criteria was more stringent than aquatic life criteria.
103	alpha-BHC	µg/L										0.01300	0.026130	Tier1 & Tier2 RP. Limit Based on CTR Human Health organisms only criteria.
104	beta-BHC	µg/L										--	--	No RP. No limit. Semiannual monitoring.
105	gamma-BHC (aka Lindane)	µg/L										--	--	No RP. No limit. Semiannual monitoring.
106	delta-BHC	µg/L										--	--	No RP. No limit. Semiannual monitoring.

TABLE R1
Reasonable Potential Analysis (RPA)

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

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)					HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health			Title 22 GWR					Organisms Only		
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O			Lowest C	Tier 1 MEC >= Lowest C	B (R-1)	Tier 2 B>C & Eff.present	Tier 3 - other info. ?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier
107	Chlordane	µg/L	0.6	<0.11	2.4	0.0043	0.00057	0.00059		0.00059	No	<0.096	No	TMDL			
108	4,4'-DDT	µg/L	0.6	0.016	1.1	0.001	0.00059	0.00059		0.00059	Yes	0.0043	Yes	TMDL			
109	4,4'-DDE	µg/L	0.6	<0.0095	NONE	NONE	0.00059	0.00059		0.00059	No	0.0299	Yes	TMDL			
110	4,4'-DDD	µg/L	0.6	0.0052	NONE	NONE	0.00083	0.00084		0.00084	Yes	0.019	Yes	TMDL			
111	Dieldrin	µg/L	0.6	<0.01	0.24	0.056	0.00014	0.00014		0.00014	No	<0.031	No	TMDL			
112	alpha-Endosulfan	µg/L	0.6	<0.01	0.22	0.056	110	240		0.056	No	0.0168	Yes		240	2.01	482.4
113	beta-Endosulfan	µg/L	0.6	0.055	0.22	0.056	110	240		0.056	No	<0.048	No				
114	Endosulfan Sulfate	µg/L	0.6	<0.0095	NONE	NONE	110	240		240	No	0.003	No				
115	Endrin	µg/L	0.6	<0.0095	0.086	0.036	0.76	0.81		0.036	No	0.0278	No				
116	Endrin Aldehyde	µg/L	0.6	<0.0095	NONE	NONE	0.76	0.81		0.81	No	<0.048	No				
117	Heptachlor	µg/L	0.6	<0.002	0.52	0.0038	0.00021	0.00021		0.00021	No	<0.03	No				
118	Heptachlor Epoxide	µg/L	0.6	0.0069	0.52	0.0038	0.0001	0.00011		0.00011	Yes	0.0025	Yes		0.00011	2.01	0.0002211
	Polychlorinated biphenyls (PCBs)	µg/L												TMDL			
119	Aroclor 1016	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	<0.65	No				
120	Aroclor 1221	µg/L	0.6	<1	NONE	0.014	0.00017	0.00017		0.00017	No	<0.96	No				
121	Aroclor 1232	µg/L	0.6	<1	NONE	0.014	0.00017	0.00017		0.00017	No	<0.65	No				
122	Aroclor 1242	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	<0.65	No				
123	Aroclor 1248	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	<0.65	No				
124	Aroclor 1254	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	<0.011	No				
125	Aroclor 1260	µg/L	0.6	<1	NONE	0.014	0.00017	0.00017		0.00017	No	ND	No				
126	Toxaphene	µg/L	0.6	<0.3	0.73	0.0002	0.0073	0.00075		0.00075	No	ND	No				
	Iron	µg/L	0.4	89					300	300	NO	833					
	Methoxychlor	µg/L	0.6	<0.01					30	30	NO	<0.048					
	2,4-D	µg/L	0.6	<2					70	70	NO						
	2,4,5-TP (Silvex)	µg/L	0.6	<0.2					50	50	NO						
	Halomethanes	µg/L	0.6	6.4					80	80	NO						
FOOTNOTE:																	
*	These metals are hardness dependent. CTR criteria was calculated using an average receiving water hardness of 362 mg/L, at Station R1 (formerly called Station W16) upstream of the discharge.																

TABLE R1
Reasonable Potential Analysis (RPA)

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

CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS					AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation
			ECA acute multiplier (p.7)	Freshwater				AMEL multiplier (n=4)	Freshwater		Lowest AMEL	Lowest MDEL		
				LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA		AMEL aq.life	MDEL multiplier (n=4)			MDEL aqlife	
107	Chlordane	µg/L										0.00059	1.20	TMDL-based
108	4,4'-DDT	µg/L										0.00059	1.20	TMDL-based
109	4,4'-DDE	µg/L										0.00059	1.20	TMDL-based
110	4,4'-DDD	µg/L										0.00084	0.0017	TMDL-based
111	Dieldrin	µg/L										0.00014	0.00028	TMDL-based
112	alpha-Endosulfan	µg/L										240	482	Tier 2 RP. Limit Based on CTR Human Health organisms only criteria.
113	beta-Endosulfan	µg/L										--	--	No RP. No limit. Semiannual monitoring.
114	Endosulfan Sulfate	µg/L										--	--	No RP. No limit. Semiannual monitoring.
115	Endrin	µg/L										--	--	No RP. No limit. Semiannual monitoring.
116	Endrin Aldehyde	µg/L										--	--	No RP. No limit. Semiannual monitoring.
117	Heptachlor	µg/L										--	--	No RP. No limit. Semiannual monitoring.
118	Heptachlor Epoxide	µg/L	0.321	0.1669	0.527	0.002003	0.002003	1.55	0.00310403	3.11	0.006228	0.00011	0.000221	Tier1 & Tier2 RP. Limit Based on CTR Human Health organisms only criteria. Human health criteria is more stringent than the aquatic life criteria.
	Polychlorinated biphenyls (PCBs)	µg/L										0.00017	0.00034	TMDL-based
119	Aroclor 1016	µg/L										--	--	No RP. No limit. Semiannual monitoring.
120	Aroclor 1221	µg/L										--	--	No RP. No limit. Semiannual monitoring.
121	Aroclor 1232	µg/L										--	--	No RP. No limit. Semiannual monitoring.
122	Aroclor 1242	µg/L										--	--	No RP. No limit. Semiannual monitoring.
123	Aroclor 1248	µg/L										--	--	No RP. No limit. Semiannual monitoring.
124	Aroclor 1254	µg/L										--	--	No RP. No limit. Semiannual monitoring.
125	Aroclor 1260	µg/L										--	--	No RP. No limit. Semiannual monitoring.
126	Toxaphene	µg/L										0.00016	0.00033	TMDL-based
	Iron	µg/L										--	--	No RP. No limit.
	Methoxychlor	µg/L										--	--	No RP. No limit.
	2,4-D	µg/L										--	--	No RP. No limit.
	2,4,5-TP (Silvex)	µg/L										--	--	No RP. No limit.
	Halomethanes	µg/L										--	--	No RP. No limit.
FOOTNOTE:														
*	These metals are hardness dependent. CTR calculated using an average receiving water hardness of 100 mg/L, at Station R1 (formerly called Station V) the discharge.													