

TABLE R1
Reasonable Potential Analysis (RPA)

City of Thousand Oaks - Hill Canyon Wastewater Treatment Plant
(CA0056294)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)						HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health									Organisms Only		
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O		Title 22 GWR	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	0.1	0.7	NONE	NONE	14	4300	6	6	No	<0.5	No					
2	Arsenic	µg/L	0.1	2.2	340	150	NONE	NONE	10	10	No	3.3	No					
3	Beryllium	µg/L	0.6	<5	NONE	NONE	Narrative	Narrative	4	4	No	ND	No					
4	Cadmium*	µg/L	0.8	0.5	22	7.3	Narrative	Narrative	5	5	No	<0.1	No					
5a	Chromium III*	µg/L	0.4	0.5	5400	640	Narrative	Narrative		640	No	0.8	No					
5b	Chromium VI	µg/L	0.6	0.4	16.293279	11.434511	Narrative	Narrative	50	11	No	0.5	No					
6	Copper*	µg/L	0.3	9.4	52	31	1300	NONE		31		3.2		TMDL				
7	Lead*	µg/L	0.4	0.2	780	19	Narrative	Narrative		19	No	<0.2	No					
8	Mercury	µg/L	0.6	0.06	Reserved	Reserved	0.05	0.051	2	0.051		0.06		TMDL				
9	Nickel*	µg/L	0.3	5.3	1500	170	610	4600	100	100	No	7.1		TMDL				
10	Selenium	µg/L	0.5	0.86	Reserved	5	Narrative	Narrative	50	5	No	4.9	No					
11	Silver*	µg/L	0.6	<0.2	44	none	NONE	NONE		44	No	<0.2	No					
12	Thallium	µg/L	0.6	<0.2	NONE	NONE	1.7	6.3	2	2	No	<0.2	No					
13	Zinc*	µg/L	0.6	53	388	388	none	NONE		388	No	3.4	No					
14	Cyanide	µg/L	0.6	<5	22	5.2	700	220,000	200	5.2	No	<5						
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	0.6		NONE	NONE	1.3E-08	1.4E-08	3x10^-5	0.000000014			No					
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	ND	No					
21	Carbon Tetrachloride	µg/L	0.6	<4.3	NONE	NONE	0.25	4.4	0.5	0.5	No	ND	No					
22	Chlorobenzene	µg/L	0.6	<5	NONE	NONE	680	21,000		21,000	No	ND	No					
23	Dibromochloromethane	µg/L	0.3	4.6	NONE	NONE	0.401	34		34	No	ND	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	0.2	9.7	NONE	NONE	Reserved	Reserved		Reserved	No Criteria Available	ND	No					
27	Dichlorobromomethane	µg/L	0.2	9.3	NONE	NONE	0.56	46		46	No	ND	No					
28	1,1-Dichloroethane	µg/L	0.6	<5	NONE	NONE	NONE	NONE	5	5	No	ND	No					
29	1,2-dichloroethane		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					
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					

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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										--	--	No RP. No limit. Semiannual monitoring.
2	Arsenic	µg/L										--	--	No RP. No limit. Semiannual monitoring.
3	Beryllium	µg/L										--	--	No RP. No limit. Semiannual monitoring.
4	Cadmium*	µg/L										--	--	No RP. No limit. Semiannual monitoring.
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	0.527	27.404	0.715	22.165	22.165	1.26	27.9279	1.9	42.1135	28	42	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										0.022 pounds/month	NA	TMDL-based
9	Nickel*	µg/L	0.527	790.5	0.715	121.55	121.55	1.26	153.153	1.9	230.945	153	231	TMDL-based, Calculated using CTR Aquatic Life criteria consistent w/ TMDL implementation.
10	Selenium	µg/L										--	--	No RP. No limit. Semiannual monitoring.
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. Quarterly 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											--	--	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.
32	1,3-dichloropropylene	µg/L										--	--	No RP. No limit. Semiannual monitoring.
33	Ethylbenzene	µg/L										--	--	No RP. No limit. Semiannual monitoring.

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					Freshwater		Human Health									Organisms Only		
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O		Title 22 GWR	Lowest C	Tier 1 MEC >= Lowest C	B	Tier 2 B>C & Eff.present	Tier 3 - other info. ?	AMELhh = ECA = C hh O	MDEL/ AMEL multiplier	MDEL hh
34	Methyl bromide	µg/L	0.6	<5	NONE	NONE	48	4,000		4,000	No	ND	No					
35	Methyl chloride	µg/L	0.6	<5	NONE	NONE	Narrative	Narrative		Narrative	No Criteria Available	ND	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 (aka 2-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 depende	pH depende	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	ND	No					
62	Benzo(b)Fluoranthene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	ND	No					
63	Benzo(ghi)Perylene	µg/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	ND	No					
64	Benzo(k)Fluoranthene	µg/L	0.6	<9.4	NONE	NONE	0.0044	0.049		0.049	No	ND	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					
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	9	NONE	NONE	1.8	5.9	4	4	Yes	8	Yes					
69	4-Bromophenyl Phenyl Ether	ua/L	0.6	<9.4	NONE	NONE	NONE	NONE		NONE	No Criteria Available	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	
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 (aka 2-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.
67	Bis(2-Chloroisopropyl) Ether	µg/L										--	--	No RP. No limit. Semiannual monitoring.
68	Bis(2-Ethylhexyl) Phthalate	µg/L										4	--	Tier 1 and Tier 2 RP, to exceed the Basin Plan WQO for GWR protection.
69	4-Bromophenyl Phenyl Ether	µg/L										--	--	No RP. No limit. Semiannual monitoring.

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					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
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	ND	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	ND	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	ND	No				
80	Dimethyl Phthalate	µg/L	0.6	<9.4	NONE	NONE	313000	2,900,000		2.9x10^6	No	ND	No				
81	Di-n-Butyl Phthalate	µg/L	0.6	ND	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	ND	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	ND	3	NONE	0.00013	0.00014		0.00014	No	ND	No				
103	alpha-BHC	µg/L	0.6	ND	NONE	NONE	0.0039	0.013		0.013	No	ND	No				
104	beta-BHC	µg/L	0.6	<0.015	NONE	NONE	0.014	0.046		0.046	No	ND	No				
105	gamma-BHC (aka Lindane)	µg/L	0.6	ND	0.95	NONE	0.019	0.063	0.2	0.063	No	ND	No				
106	delta-BHC	µg/L	0.6	ND	NONE	NONE	NONE	NONE	No	NONE	No Criteria Available	ND	No				
107	Chlordane	µg/L	0.6	ND	2.4	0.0043	0.00057	0.00059		0.00059		ND		TMDL			
108	4,4'-DDT	µg/L	0.6	ND	1.1	0.001	0.00059	0.00059		0.00059		ND		TMDL			
109	4,4'-DDE	µg/L	0.6	ND	NONE	NONE	0.00059	0.00059		0.00059		<0.05		TMDL			
110	4,4'-DDD	µg/L	0.6	ND	NONE	NONE	0.00083	0.00084		0.00084		<0.05		TMDL			

TABLE R1
Reasonable Potential Analysis (RPA)

City of Thousand Oaks - Hill Canyon Wastewater Treatment Plant
(CA0056294)

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	
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										--	--	No RP. No limit. Semiannual monitoring.
103	alpha-BHC	µg/L										--	--	No RP. No limit. Semiannual monitoring.
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.
107	Chlordane	µg/L										0.00059	0.0012	TMDL-based
108	4,4'-DDT	µg/L										0.00059	0.0012	TMDL-based
109	4,4'-DDE	µg/L										0.00059	0.0012	TMDL-based
110	4,4'-DDD	µg/L										0.00084	0.0017	TMDL-based

TABLE R1
Reasonable Potential Analysis (RPA)

City of Thousand Oaks - Hill Canyon Wastewater Treatment Plant
(CA0056294)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	REASONABLE POTENTIAL ANALYSIS (RPA)					HUMAN HEALTH CALCULATIONS		
					Freshwater		Human Health								Organisms Only		
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O		Title 22 GWR	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
111	Dieldrin	µg/L	0.6	ND	0.24	0.056	0.00014	0.00014		0.00014		ND		TMDL			
112	alpha-Endosulfan	µg/L	0.6	ND	0.22	0.056	110	240		0.056	No	ND	No				
113	beta-Endosulfan	µg/L	0.6	ND	0.22	0.056	110	240		0.056	No	ND	No				
114	Endosulfan Sulfate	µg/L	0.6	ND	NONE	NONE	110	240		240	No	ND	No				
115	Endrin	µg/L	0.6	ND	0.086	0.036	0.76	0.81		0.036	No	ND	No				
116	Endrin Aldehyde	µg/L	0.6	ND	NONE	NONE	0.76	0.81		0.81	No	ND	No				
117	Heptachlor	µg/L	0.6	ND	0.52	0.0038	0.00021	0.00021		0.00021	No	ND	No				
118	Heptachlor Epoxide	µg/L	0.6	ND	0.52	0.0038	0.0001	0.00011		0.00011	No	ND	No				
	Polychlorinated biphenyls (PCBs)	µg/L												TMDL			
119	Aroclor 1016	µg/L	0.6	ND	NONE	0.014	0.00017	0.00017		0.00017	No	ND	No				
120	Aroclor 1221	µg/L	0.6	ND	NONE	0.014	0.00017	0.00017		0.00017	No	ND	No				
121	Aroclor 1232	µg/L	0.6	<1	NONE	0.014	0.00017	0.00017		0.00017	No	ND	No				
122	Aroclor 1242	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	ND	No				
123	Aroclor 1248	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	ND	No				
124	Aroclor 1254	µg/L	0.6	<0.95	NONE	0.014	0.00017	0.00017		0.00017	No	ND	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		ND		TMDL			
	Iron	µg/L	0.3	150					300	300	No	46	No				
	Methoxychlor	µg/L	0.6						30	30	No		No				
	2,4-D	µg/L	0.6						70	70	No		No				
	2,4,5-TP (Silvex)	µg/L	0.6						50	50	No		No				
	Halomethanes	µg/L	0.3	24.7					80	80	No		No				
FOOTNOTE:																	
*	These metals are hardness dependent. CTR criteria was calculated using an average receiving water hardness of 400 mg/L, at Station R1 upstream of the discharge.																

TABLE R1
Reasonable Potential Analysis (RPA)

City of Thousand Oaks - Hill Canyon Wastewater Treatment Plant
(CA0056294)

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
111	Dieldrin	µg/L									0.00014	0.00028	TMDL-based	
112	alpha-Endosulfan	µg/L									--	--	No RP. No limit. Semiannual monitoring.	
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									--	--	No RP. No limit. Semiannual monitoring.	
	Polychlorinated biphenyls (PCBs)	µg/L									0.00017	0.00034	TMDL-based	
119	Aroclor 1016	µg/L									--	--		
120	Aroclor 1221	µg/L									--	--		
121	Aroclor 1232	µg/L									--	--		
122	Aroclor 1242	µg/L									--	--		
123	Aroclor 1248	µg/L									--	--		
124	Aroclor 1254	µg/L									--	--		
125	Aroclor 1260	µg/L									--	--		
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 upstream of the discharge													