

**Attachment J**  
**SIMI VALLEY WQCP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP**  
**DATA FROM JANUARY 2008 - OCTOBER 2013**

CTR#		Basis for Hardness	Hardness	units	CV	MEC	Criteria					Reasonable Potential Analysis (RPA)						
							Freshwater		Human Health		Basin Plan	MEC >= Lowest C	Tier 1 - Need limit?	B (Observed Maximum)	B > C	Tier 2 - need limit?	Tier 3 - need limit?	
							C acute = CMC tot	C chronic = CCC tot	Not applicable Chh W&O	C hh O	Title 22 GWR/ Other							
1	Antimony	N/A		µg/L	0.8	1.1	NONE	NONE	14	4300	-	4300.0	No	Go to Tier 2	19	No	Go to Tier 3	
2	Arsenic	N/A		µg/L	1.5	9	340	150	NONE	NONE	-	150.0	No	Go to Tier 2	13	No	Go to Tier 3	
3	Beryllium	N/A		µg/L	0.9	#DIV/0!	NONE	NONE	Narrative	Narrative	-	No Criteria Available	Criteria Available	Go to Tier 2	0	Criteria Available	Go to Tier 3	
4	Cadmium	Downstream average	400	µg/L	0.8	3.1	19.1	6.2	Narrative	Narrative	-	6.2	No	Go to Tier 2	5	No	Go to Tier 3	
5a	Chromium III	Downstream average	400	µg/L	1.2	2.8	1707.9	554.0	Narrative	Narrative	-	554.0	No	Go to Tier 2	0	No	Go to Tier 3	
5b	Chromium VI	N/A		µg/L	0.6	9.9	16.0	11.0	Narrative	Narrative	-	11.0	No	Go to Tier 2	0	No	Go to Tier 3	
6	Copper (TMDL)	Downstream average	400	µg/L	0.6	30.0	49.6	29.3	1300	NONE	-	29.3	Yes	Yes	6.6	No	Go to Tier 3	TMDL
7	Lead	Downstream average	400	µg/L	1.1	6.0	280.8	10.9	Narrative	Narrative	-	10.9	No	Go to Tier 2	6.7	No	Go to Tier 3	
8	Mercury (TMDL)	N/A		µg/L	0.6	1.7	Reserved	Reserved	0.05	0.051	-	0.051	Yes	Yes	0.06	Yes		TMDL
9	Nickel (TMDL)	Downstream average	400	µg/L	1.7	10	1512.9	168.0	610	4600	-	168.0	No	Go to Tier 2	10	No	Go to Tier 3	TMDL
10	Selenium (TMDL)	N/A		µg/L	0.4	4.5	Reserved	5.0	Narrative	Narrative	-	5.0	No	Go to Tier 2	23	Yes	Yes	TMDL
11	Silver	Downstream average	400	µg/L	0.6	10	37.4		NONE	NONE	-	37.4	No	Go to Tier 2	4	No	Go to Tier 3	
12	Thallium	N/A		µg/L	0.6	ND	NONE	NONE	1.7	6.3	-	6.3	ALL ND	Go to Tier 2	30	Yes	Go to Tier 3	
13	Zinc (TMDL)	Downstream average	400	µg/L	0.3	120	379.3	382.4	NONE	NONE	-	379.3	No	Go to Tier 2	60	No	Go to Tier 3	TMDL
14	Cyanide	N/A		µg/L	0.6	9.8	22	5.2	700	220000	-	5.2	Yes	Yes	7.7	Yes		
15	Asbestos	N/A		µg/L		No data available	NONE	NONE	7MF/L	NONE	-	7MF/L	No data available	Go to Tier 2	No data available	No data available	Go to Tier 3	
16	2,3,7,8-TCDD(Dioxin)	N/A		pg/L	0.6	ND	NONE	NONE	0.00000013	1.4E-08	-	1.4E-08	No	Go to Tier 2	2.5	Yes	Go to Tier 3	No
17	Acrolein	N/A		µg/L	0.6	#DIV/0!			320	780	-	780.0	No	Go to Tier 2	<0	No	Go to Tier 3	
18	Acrylonitrile	N/A		µg/L	0.6	#DIV/0!			0.059	0.66	-	0.7	ALL ND >C	Go to Tier 2	<2	ALL ND >C	Go to Tier 3	
19	Benzene	N/A		µg/L	0.6	#DIV/0!			1.2	71	-	71.0	No	Go to Tier 2	<0	No	Go to Tier 3	
20	Bromoform	N/A		µg/L	0.8	2.8			4.3	360	-	360.0	No	Go to Tier 2	2.8	No	Go to Tier 3	

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							Freshwater		Human Health		Basin Plan	MEC >= Lowest C	Tier 1 - Need limit?	B (Observed Maximum)	B > C	Tier 2 - need limit?	Tier 3 - need limit?
							C acute = CMC tot	C chronic = CCC tot	Not applicable Chh W&O	C hh O	Title 22 GWR/ Other						
21	Carbon Tetrachloride	N/A		µg/L	0.6	#DIV/0!			0.25	4.4	-	4.4	No	Go to Tier 2	0	No	Go to Tier 3
22	Chlorobenzene	N/A		µg/L	0.6	#DIV/0!			680	21000	-	21000.0	#DIV/0!	#DIV/0!	<0.0	No	Go to Tier 3
23	Dibromochloromethane	N/A		µg/L	0.7	22			0.401	34	-	34.0	No	Go to Tier 2	6.3	No	Go to Tier 3
24	Chloroethane	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0.0	No Criteria Available	Go to Tier 3
25	2-Chloroethyl vinyl ether	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0.0	No Criteria Available	Go to Tier 3
26	Chloroform	N/A		µg/L	0.7	46			Reserved	Reserved	-	No Criteria Available	No Criteria Available	Go to Tier 2	0.9	No Criteria Available	Go to Tier 3
27	Dichlorobromomethane	N/A		µg/L	0.8	35.1			0.56	46	-	46.0	No	Go to Tier 2	13	No	Go to Tier 3
28	1,1-Dichloroethane	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0.0	No Criteria Available	Go to Tier 3
29	1,2-Dichloroethane	N/A		µg/L	0.6	#DIV/0!			0.38	99	-	99.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
30	1,1-Dichloroethylene	N/A		µg/L	0.6	#DIV/0!			0.057	3.2	-	3.2	No	Go to Tier 2	<0.0	No	Go to Tier 3
31	1,2-Dichloropropane	N/A		µg/L	0.6	#DIV/0!			0.52	39	-	39.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
32	1,3-Dichloropropylene	N/A		µg/L	0.6	#DIV/0!			10	1700	-	1700.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
33	Ethylbenzene	N/A		µg/L	0.6	#DIV/0!			3,100	29,000	-	29000.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
34	Methyl bromide	N/A		µg/L	0.6	0.5			48	4000	-	4000.0	No	Go to Tier 2	<0.5	No	Go to Tier 3
35	Methyl chloride	N/A		µg/L	0.6	29					-	No Criteria Available	No Criteria Available	Go to Tier 2	0	No Criteria Available	Go to Tier 3
36	Methylene chloride	N/A		µg/L	0.6	#DIV/0!			4.7	1600	-	1600.0	#DIV/0!	#DIV/0!	0	No	Go to Tier 3
37	1,1,1,2,2-Tetrachloroethane	N/A		µg/L	0.6	#DIV/0!			0.17	11	-	11.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
38	Tetrachloroethylene	N/A		µg/L	0.6	0.9			0.8	8.85	-	8.9	No	Go to Tier 2	0.9	No	Go to Tier 3
39	Toluene	N/A		µg/L	0.5	#DIV/0!			6,800	200,000	-	200000.0	#DIV/0!	#DIV/0!	0	No	Go to Tier 3
40	Trans 1,2-Dichloroethylene	N/A		µg/L	0.6	#DIV/0!			700	140000	-	140000.0	No	Go to Tier 2	<0.0	No	Go to Tier 3

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41	1,1,1-Trichloroethane	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0.0	No Criteria Available	Go to Tier 3
42	1,1,2-Trichloroethylene	N/A		µg/L	0.6	#DIV/0!			0.6	42	-	42.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
43	Trichloroethylene	N/A		µg/L	0.6	#DIV/0!			2.7	81	-	81.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
44	Vinyl chloride	N/A		µg/L	0.6	#DIV/0!			2	525	-	525.0	No	Go to Tier 2	<0.0	No	Go to Tier 3
45	2-Chlorophenol	N/A		µg/L	0.6	#DIV/0!			120	400	-	400.0	No	Go to Tier 2	<5	No	Go to Tier 3
46	2,4-Dichlorophenol	N/A		µg/L	0.6	#DIV/0!			93	790	-	790.0	No	Go to Tier 2	<0	No	Go to Tier 3
47	2,4-Dimethylphenol	N/A		µg/L	0.6	#DIV/0!			540	2,300	-	2300.0	No	Go to Tier 2	<0	No	Go to Tier 3
48	4,6-Dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	N/A		µg/L	0.6	#DIV/0!			13.4	765	-	765.0	No	Go to Tier 2	<0	No	Go to Tier 3
49	2,4-Dinitrophenol	N/A		µg/L	0.6	#DIV/0!			70	14,000	-	14000.0	No	Go to Tier 2	<0	No	Go to Tier 3
50	2-Nitrophenol	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
51	4-Nitrophenol	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
53	Pentachlorophenol	N/A		µg/L	0.6	#DIV/0!	19	15	0.28	8.2	-	8.2	No	Go to Tier 2	<0	No	Go to Tier 3
54	Phenol	N/A		µg/L	0.6	10			21,000	4,600,000	-	4600000.0	No	Go to Tier 2	<0	No	Go to Tier 3
55	2,4,6-trichlorophenol	N/A		µg/L	0.6	0.21			2.1	6.5	-	6.5	No	Go to Tier 2	<0	No	Go to Tier 3
56	Acenaphthene	N/A		µg/L	0.6	#DIV/0!			1,200	2,700	-	2700.0	No	Go to Tier 2	<0	No	Go to Tier 3
57	Acenaphthylene	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No	Go to Tier 3
58	Anthracene	N/A		µg/L	0.6	#DIV/0!			9,600	110,000	-	110000.0	No	Go to Tier 2	<0	No	Go to Tier 3
59	Benidine	N/A		µg/L	0.6	#DIV/0!			0.00012	0.00054	-	0.00054	ALL ND >C	Go to Tier 2	<0	ALL ND >C	Go to Tier 3

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							C acute = CMC tot	C chronic = CCC tot	Not applicable Chh W&O	C hh O	Title 22 GWR/ Other						
60	Benzo(a)Anthracene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	ALL ND >C	Go to Tier 2	<0	ALL ND >C	Go to Tier 3
61	Benzo(a)Pyrene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	ALL ND >C	Go to Tier 2	<0.00	No	Go to Tier 3
62	Benzo(b)Fluroanthene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	#DIV/0!	#DIV/0!	<0.00	No	Go to Tier 3
63	Benzo(ghi)Perylene	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
64	Benzo(k)Fluoranthene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	#DIV/0!	#DIV/0!	0	No	Go to Tier 3
65	Bis(2-Chloroethoxy)Methane	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
66	Bis(2-Chloroethyl)Ether	N/A		µg/L	0.6	#DIV/0!			0.031	1.4	-	1.4	No	Go to Tier 2	<0	No	Go to Tier 3
67	Bis(2-Chloroisopropyl)Ether	N/A		µg/L	0.6	#DIV/0!			1,400	170,000	-	170000.0	No	Go to Tier 2	<0	No	Go to Tier 3
68	Bis(2-Ethylhexyl)Phthalate	N/A		µg/L	2.6	<0			1.8	5.9	4	4.0	No	Go to Tier 2	0	No	Go to Tier 3
69	4-Bromophenyl Phenyl Ether	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
70	Butylbenzyl Phthalate	N/A		µg/L	0.6	#DIV/0!			3000	5200	-	5200.0	No	Go to Tier 2	0	No	Go to Tier 3
71	2-Chloronaphthalene	N/A		µg/L	0.6	#DIV/0!			1700	4300	-	4300.0	No	Go to Tier 2	<0	No	Go to Tier 3
72	4-Chlorophenyl Phenyl Ether	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
73	Chrysene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	No	Go to Tier 2	0	No	Go to Tier 3
74	Dibenzo(a,h)Anthracene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	No	Go to Tier 2	<0.00	No	Go to Tier 3
75	1,2-Dichlorobenzene	N/A		µg/L	0.6	#DIV/0!			2700	17000	-	17000.0	No	Go to Tier 2	<0	No	Go to Tier 3
76	1,3-Dichlorobenzene	N/A		µg/L	0.6	#DIV/0!			400	2600	-	2600.0	No	Go to Tier 2	<0	No	Go to Tier 3
77	1,4-Dichlorobenzene (aka p-Dichlorobenzene)	N/A		µg/L	0.6	#DIV/0!			400	2600	-	2600.0	No	Go to Tier 2	<1	No	Go to Tier 3
78	3,3'-Dichlorobenzidine	N/A		µg/L	0.6	#DIV/0!			0.04	0.077	-	0.1	ALL ND >C	Go to Tier 2	<0	ALL ND >C	Go to Tier 3

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							Freshwater		Human Health		Basin Plan	MEC >=	Tier 1 -	B	Tier 2 -	Tier 3 -	
							C acute = CMC tot	C chronic = CCC tot	Not applicable Chh W&O	C hh O	Title 22 GWR/ Other						Lowest C
79	Diethyl Phthalate	N/A		µg/L	0.6	0.27			23,000	120,000	-	120000.0	No	Go to Tier 2	<0	No	Go to Tier 3
80	Dimethyl Phthalate	N/A		µg/L	0.6	#DIV/0!			313,000	2,900,000	-	2900000.0	No	Go to Tier 2	<0	No	Go to Tier 3
81	Di-n-Butyl Phthalate	N/A		µg/L	0.6	0.32			2,700	12,000	-	12000.0	No	Go to Tier 2	<0	No	Go to Tier 3
82	2,4-Dinitrotoluene	N/A		µg/L	0.6	#DIV/0!			0.11	9.1	-	9.1	ALL ND >C	Go to Tier 2	<0	No	Go to Tier 3
83	2,6-Dinitrotoluene	N/A		µg/L	0.6	0.68					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
84	Di-n-Octyl Phthalate	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
85	1,2-Diphenylhydrazine	N/A		µg/L	0.6	#DIV/0!			0.04	0.54	-	0.5	ALL ND >C	Go to Tier 2	<0	ALL ND >C	Go to Tier 3
86	Fluoranthene	N/A		µg/L	0.6	#DIV/0!			300	370	-	370.0	No	Go to Tier 2	<0	No	Go to Tier 3
87	Fluorene	N/A		µg/L	0.6	#DIV/0!			1300	14000	-	14000.0	No	Go to Tier 2	<0	No	Go to Tier 3
88	Hexachlorobenzene	N/A		µg/L	0.6	#DIV/0!			0.00075	0.00077	-	0.00077	ALL ND >C	Go to Tier 2	<0	ALL ND >C	Go to Tier 3
89	Hexachlorobutadiene	N/A		µg/L	0.6	#DIV/0!			0.44	50	-	50.0	No	Go to Tier 2	<0	No	Go to Tier 3
90	Hexachlorocyclopentadiene	N/A		µg/L	0.6	#DIV/0!			240	17000	-	17000.0	No	Go to Tier 2	<0	No	Go to Tier 3
91	Hexachloroethane	N/A		µg/L	0.6	#DIV/0!			1.9	8.9	-	8.9	No	Go to Tier 2	<0	No	Go to Tier 3
92	Indeno(1,2,3-cd)Pyrene	N/A		µg/L	0.6	#DIV/0!			0.0044	0.049	-	0.049	ALL ND >C	Go to Tier 2	<0.00	ALL ND >C	Go to Tier 3
93	Isophorone	N/A		µg/L	0.6	#DIV/0!			8.4	600	-	600.0	No	Go to Tier 2	<0	No	Go to Tier 3
94	Napthalene	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3
95	Nitrobenzene	N/A		µg/L	0.6	#DIV/0!			17	1900	-	1900.0	No	Go to Tier 2	<0	No	Go to Tier 3
96	N-Nitrosodimethylamine	N/A		µg/L	0.6	#DIV/0!			0.00069	8.1	-	8.1	#DIV/0!	#DIV/0!	<0	No	Go to Tier 3
97	N-Nitrosodi-n-Propylamine	N/A		µg/L	0.6	0			0.005	1.4	-	1.4	No	Go to Tier 2	<0	No	
98	N-Nitrosodiphenylamine	N/A		µg/L	0.6	#DIV/0!			5	16	-	16.0	No	Go to Tier 2	<0	No	Go to Tier 3

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							C acute = CMC tot	C chronic = CCC tot	Not applicable Chh W&O	C hh O	Title 22 GWR/ Other						Lowest C	Need limit?
99	Phenanthrene	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3	
100	Pyrene	N/A		µg/L	0.6	#DIV/0!			960	11,000	-	11000.0	No Criteria Available	Go to Tier 2	<0	No	Go to Tier 3	
101	1,2,4-Trichlorobenzene	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0	No Criteria Available	Go to Tier 3	
102	Aldrin	N/A		µg/L	0.6	#DIV/0!	3		0.00013	0.00014	-	0.00014	ALL ND >C	Go to Tier 2	<0.00	ALL ND >C	Go to Tier 3	
103	alpha-BHC	N/A		µg/L	0.6	#DIV/0!			0.0039	0.013	-	0.013	ALL ND >C	Go to Tier 2	0.016	Yes	Go to Tier 3	
104	beta-BHC	N/A		µg/L	0.6	#DIV/0!			0.014	0.046	-	0.046	No	Go to Tier 2	<0.00	No	Go to Tier 3	
105	gamma-BHC (Lindane)	N/A		µg/L	1.4	0.003916	0.95		0.019	0.063	-	0.06	No	Go to Tier 2	0.03	No	Go to Tier 3	
106	delta-BHC	N/A		µg/L	0.6	#DIV/0!					-	No Criteria Available	No Criteria Available	Go to Tier 2	<0.01	No Criteria Available	Go to Tier 3	
107	Chlordane (TMDL)	N/A		µg/L	0.6	#DIV/0!	2.4	0.0043	0.00057	0.00059	-	0.00059	ALL ND >C	Go to Tier 2	<0.05	ALL ND >C	Go to Tier 3	TMDL
108	4,4'-DDT (TMDL)	N/A		µg/L	0.6	#DIV/0!	1.1	0.001	0.00059	0.00059	-	0.00059	ALL ND >C	Go to Tier 2	<0.01	ALL ND >C	Go to Tier 3	TMDL
109	4,4'-DDE (TMDL)	N/A		µg/L	0.6	0.0051			0.00059	0.00059	-	0.00059	ALL ND	Go to Tier 2	0.03	ALL ND >C	Go to Tier 3	TMDL
110	4,4'-DDD (TMDL)	N/A		µg/L	0.6	#DIV/0!			0.00083	0.00084	-	0.00084	ALL ND >C	Go to Tier 2	<0.01	ALL ND >C	Go to Tier 3	TMDL
111	Dieldrin (TMDL)	N/A		µg/L	0.6	#DIV/0!	0.24	0.056	0.00014	0.00014	-	0.00014	ALL ND >C	Go to Tier 2	<0.01	ALL ND >C	Go to Tier 3	TMDL
112	alpha-Endosulfan	N/A		µg/L	0.6	#DIV/0!	0.22	0.056	110	240	-	0.1	No	Go to Tier 2	<0.01	No	Go to Tier 3	
113	beta-Endosulfan	N/A		µg/L	0.6	#DIV/0!	0.22	0.056	110	240	-	0.1	No	Go to Tier 2	<0.01	No	Go to Tier 3	
114	Endosulfan Sulfate	N/A		µg/L	0.6	#DIV/0!			110	240	-	240.0	No	Go to Tier 2	<0.01	No	Go to Tier 3	
115	Endrin	N/A		µg/L	0.6	<0.00	0.086	0.036	0.76	0.81	-	0.036	ALL ND >C	Go to Tier 2	0	No		
116	Endrin Aldehyde	N/A		µg/L	0.6	#DIV/0!			0.76	0.81	-	0.8	No	Go to Tier 2	<0.01	No	Go to Tier 3	
117	Heptachlor	N/A		µg/L	0.6	#DIV/0!	0.52	0.0038	0.00021	0.00021	-	0.00021	ALL ND >C	Go to Tier 2	<0.01	ALL ND >C	Go to Tier 3	
118	Heptachlor Epoxide	N/A		µg/L	0.6	0	0.52	0.0038	0.0001	0.00011	-	0.00011	No	Go to Tier 2	<0.30	ALL ND >C		

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CTR#		Basis for Hardness	Hardness	units	CV	MEC	Criteria					Reasonable Potential Analysis (RPA)					
							Freshwater		Human Health		Basin Plan	MEC >= Lowest C	Tier 1 - Need limit?	B (Observed Maximum)	B > C	Tier 2 - need limit?	Tier 3 - need limit?
							C acute = CMC tot	C chronic = CCC tot	Not applicable Chh W&O	C hh O	Title 22 GWR/ Other						
119	Polychlorinated biphenyls (PCBs) Arochlor 1016 (TMDL)	N/A		ng/L	0.6	0		0.014	0.00017	0.00017	-	0.00017	ALL ND >C	Go to Tier 2	<0.1	ALL ND >C	Go to Tier 3
120	Arochlor 1221 (TMDL)	N/A		ng/L	0.6	0			0.00073	0.00075	-	0.00075	ALL ND >C	Go to Tier 2	<0.1	ALL ND >C	Go to Tier 3
121	Arochlor 1232 (TMDL)	N/A		ng/L	0.6	0					-			Go to Tier 2	<0.1	No Criteria Available	Go to Tier 3
122	Arochlor 1242 (TMDL)	N/A		ng/L	0.6	0					-			Go to Tier 2	<0.1	No Criteria Available	Go to Tier 3
123	Arochlor 1248 (TMDL)	N/A		ng/L	0.6	0					-			Go to Tier 2	<0.1	No Criteria Available	Go to Tier 3
124	Arochlor 1254 (TMDL)	N/A		ng/L	0.6	0					-			Go to Tier 2	<0.05	No Criteria Available	Go to Tier 3
125	Arochlor 1260 (TMDL)	N/A		ng/L	0.6	0					-			Go to Tier 2	<0.05	No Criteria Available	Go to Tier 3
126	Toxaphene (TMDL)	N/A		ng/L	0.6	<0.1	0.73	0.0002			-	0.0002	ALL ND >C	Go to Tier 2	0	ALL ND >C	Go to Tier 3
	Trihalomethanes																
	Barium	N/A		µg/L	1.4	129					-	No Criteria Available	No Criteria Available	Go to Tier 2	242	No Criteria Available	Go to Tier 3
	Iron	N/A		µg/L	0.5	143					-	No Criteria Available	No Criteria Available	Go to Tier 2	1320	No Criteria Available	Go to Tier 3
	Methoxychlor	N/A		µg/L		No data available					-	No Criteria Available	No Criteria Available	Go to Tier 2	No data available	No Criteria Available	Go to Tier 3
	2,4-D	N/A		µg/L		No data available					-	No Criteria Available	No Criteria Available	Go to Tier 2	No data available	No Criteria Available	Go to Tier 3
	2,4,5-TP (Silvex)	N/A		µg/L		No data available					-	No Criteria Available	No Criteria Available	Go to Tier 2	No data available	No Criteria Available	Go to Tier 3

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**DATA FROM JANUARY 2008 - OCTOBER 2013**

CTR#		Human Health Calc			Aquatic Life Calculations					Aquatic Life Calculations				Limits		Comments
		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
1	Antimony															
2	Arsenic															
3	Beryllium															
4	Cadmium															
5a	Chromium III															
5b	Chromium VI															
6	Copper (TMDL)													30.5	31	Limits from TMDL WLAs
7	Lead															
8	Mercury (TMDL)	0.051	2.01	0.1023	0.321	NA	0.527	NA	NA	1.552	NA	3.114	NA	---	---	Use the TMDL WLA
9	Nickel (TMDL)													169	960	Limits from TMDL WLAs
10	Selenium (TMDL)	Narrative	1.69	NA	0.432	NA	0.637	3.184	3.184	1.368	4.355	2.314	7.369	4.4	7.4	B>C and detected at Effluent.
11	Silver															
12	Thallium													no limit	no limit	B>C but ND at Effluent.
13	Zinc (TMDL)													---	---	No TMDL WLAs
14	Cyanide	220000	2.01	441362	0.321	7.06383	0.527	2.743	2.743	1.552	4.258	3.114	8.542	4.3	8.5	MEC>C
15	Asbestos															
16	2,3,7,8-TCDD(Dioxin)													no limit	no limit	B>C but ND at Effluent.
17	Acrolein															
18	Acrylonitrile															
19	Benzene															
20	Bromoform															



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		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
21	Carbon Tetrachloride															
22	Chlorobenzene															
23	Dibromochloromethane															
24	Chloroethane															
25	2-Chloroethyl vinyl ether															
26	Chloroform															
27	Dichlorobromomethane															
28	1,1-Dichloroethane															
29	1,2-Dichloroethane															
30	1,1-Dichloroethylene															
31	1,2-Dichloropropane															
32	1,3-Dichloropropylene															
33	Ethylbenzene															
34	Methyl bromide															
35	Methyl chloride															
36	Methylene chloride															
37	1,1,1,2,2-Tetrachloroethane															
38	Tetrachloroethylene															
39	Toluene															
40	Trans 1,2-Dichloroethylene															

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		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
41	1,1,1-Trichloroethane															
42	1,1,2-Trichloroethylene															
43	Trichloroethylene															
44	Vinyl chloride															
45	2-Chlorophenol															
46	2,4-Dichlorophenol															
47	2,4-Dimethylphenol															
48	4,6-Dinitro-o-resol (aka 2-methyl-4,6- Dinitrophenol)															
49	2,4-Dinitrophenol															
50	2-Nitrophenol															
51	4-Nitrophenol															
52	3-Methyl-4- Chlorophenol (aka P- chloro-m-resol)															
53	Pentachlorophenol															
54	Phenol															
55	2,4,6-trichlorophenol															
56	Acenaphthene															
57	Acenaphthylene															
58	Anthracene															
59	Benidine															

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		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
60	Benzo(a)Anthracene															
61	Benzo(a)Pyrene															
62	Benzo(b)Fluroanthene															
63	Benzo(ghi)Perylene															
64	Benzo(k)Fluoranthene															
65	Bis(2-Chloroethoxy)Methane															
66	Bis(2-Chloroethyl)Ether															
67	Bis(2-Chloroisopropyl)Ether															
68	Bis(2-Ethylhexyl)Phthalate															
69	4-Bromophenyl Phenyl Ether															
70	Butylbenzyl Phthalate															
71	2-Chloronaphthalene															
72	4-Chlorophenyl Phenyl Ether															
73	Chrysene															
74	Dibenzo(a,h)Anthracene															
75	1,2-Dichlorobenzene															
76	1,3-Dichlorobenzene															
77	1,4-Dichlorobenzene (aka p-Dichlorobenzene)															
78	3,3'-Dichlorobenzidine															

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		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
79	Diethyl Phthalate															
80	Dimethyl Phthalate															
81	Di-n-Butyl Phthalate															
82	2,4-Dinitrotoluene															
83	2,6-Dinitrotoluene															
84	Di-n-Octyl Phthalate															
85	1,2-Diphenylhydrazine															
86	Fluoranthene															
87	Fluorene															
88	Hexachlorobenzene															
89	Hexachlorobutadiene															
90	Hexachlorocyclopentadiene															
91	Hexachloroethane															
92	Indeno(1,2,3-cd)Pyrene															
93	Isophorone															
94	Napthalene															
95	Nitrobenzene															
96	N-Nitrosodimethylamine															
97	N-Nitrosodi-n-Propylamine															
98	N-Nitrosodiphenylamine															

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		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
99	Phenanthrene															
100	Pyrene															
101	1,2,4-Trichlorobenzene															
102	Aldrin															
103	alpha-BHC															
104	beta-BHC															
105	gamma-BHC (Lindane)															
106	delta-BHC															
107	Chlordane (TMDL)													0.00059	0.0012	TMDL WLAs
108	4,4'-DDT (TMDL)													0.00059	0.0012	TMDL WLAs
109	4,4'-DDE (TMDL)													0.00059	0.0012	TMDL WLAs
110	4,4'-DDD (TMDL)													0.00084	0.0017	TMDL WLAs
111	Dieldrin (TMDL)													0.00014	0.00028	TMDL WLAs
112	alpha-Endosulfan															
113	beta-Endosulfan															
114	Endosulfan Sulfate															
115	Endrin															
116	Endrin Aldehyde															
117	Heptachlor															
118	Heptachlor Epoxide															

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		Organisms Only			Freshwater					Freshwater				Lowest AMEL	Lowest MDEL	
		AMEL hh = ECA = C hh O	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier	AMEL aq.life	MDEL multiplier	MDEL aq.life			
	Polychlorinated biphenyls (PCBs)															
119	Arochlor 1016 (TMDL)													0.17	0.34	TMDL WLAs
120	Arochlor 1221 (TMDL)															TMDL WLAs
121	Arochlor 1232 (TMDL)															TMDL WLAs
122	Arochlor 1242 (TMDL)															TMDL WLAs
123	Arochlor 1248 (TMDL)															TMDL WLAs
124	Arochlor 1254 (TMDL)															TMDL WLAs
125	Arochlor 1260 (TMDL)															TMDL WLAs
126	Toxaphene (TMDL)													0.16	0.33	TMDL WLAs
	Trihalomethanes															
	Barium															
	Iron															
	Methoxychlor															
	2,4-D															
	2,4,5-TP (Silvex)															