Attachment J
Reasonable Potential Analysis and Effluent Limitations Calculations
Tesoro Carson Crude Terminal, Discharge Point No. 001

					CTR Water Quality Criteria (ug/L)					REASONABLE POTENTIAL ANALYSIS (RPA)									
					Saltwater		Human Health for consumption of:												
CTR#	Parameters	Units	CV	MEC	C acute = CMC tot	C chronic = CCC tot	Water & organisms	Organisms only	Lowest C or TMDL WLAs	MEC >= Lowest C	Tier 1 - Need limit?	B Available (Y/N)?	Are all B data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL>C?	If B>C, effluent limit required	Tier 3 - other info. ?	RPA Result - Need Limit?
1	Antimony	ug/L		1.2				4300.00	4300.00	No	No	Y	N		1.3		B<=C, Step 7		No
2	Arsenic	ug/L		1.5	69.00	36.00			36.00	No	No	Y	Y	1.8		N	No detected value of B, Step 7		No
3	Beryllium	ug/L		No Criteria				Narrative	No Criteria	No Criteria	No Criteria	Y	Y	0.2		N	No Criteria	No Criteria	Uc
4	Cadmium	ug/L	0.6	0.47	42.25	9.36		Narrative	9.36	No	No	Y	N		0.31		B<=C, Step 7	TMDL Sediment Allocation	No
5a	Chromium (III)			No Criteria				Narrative	No Criteria	No Criteria	No Criteria	N					No Criteria	No Criteria	Uc
5b	Chromium (VI)	ug/L		5	1100.00	50.00		Narrative	50.00	No	No	Y	Y	5		N	No detected value of B, Step 7		No
6	Copper	ug/L	0.6	12		3.73			3.73	Yes	Yes	Y	N		9.4		Limit required, B>C & pollutant detected in effluent	TMDL WLA	Yes
7	Lead	ug/L	0.6	6.8		8.52		Narrative	8.52	N/A	N/A	Y	N		0.94		B<=C, Step 7	TMDL WLA	Yes
8	Mercury	ug/L			Reserved	Reserved		0.051	0.051			Y	N		0.1		B>C & eff ND, Step 7		no
9	Nickel	ug/L		3.6	74.75	8.28		4600.00	8.28	No	No	Y	N		7		B<=C, Step 7		No
10	Selenium	ug/L	0.6	0.72	290.58	71.14		Narrative	71.14	No	No	Y	N		93		Limit required, B>C & pollutant detected in effluent		Yes
11	Silver	ug/L		0.1	2.24				2.24	No	No	Y	Y	0.2		N	No detected value of B, Step 7		No
12	Thallium	ug/L		0.2				6.30	6.30	No	No	Y				N	No detected value of B, Step 7		No
13	Zinc	ug/L	0.6	110		85.62			85.62	Yes	Yes	Y	N		33		B<=C, Step 7	TMDL WLA	Yes
14	Cyanide	ug/L			1.00	1.00		220000	1.00			Y	Y	17		Y	No detected value of B, Step 7		No
15	Asbestos	Fibers/		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	17		N	No Criteria	No Criteria	Uc
	TCDD Equivalents	ug/L	0	9.079E-07				0.000000014	0.000000014	Yes	Yes	Y	N		4.427E-08		Limit required, B>C & pollutant detected in effluent		Yes
17		ug/L		4				780	780	No	No	Y	Y	4		N	No detected value of B, Step 7		No
18	Acrylonitrile	ug/L						0.66	0.660			Y	Y	1.2		Y	No detected value of B, Step 7		No
19	Benzene	ug/L		0.28				71	71.0	No	No	Y	Y	0.28		N	No detected value of B, Step 7		No
20	Bromoform	ug/L		0.4				360	360.0	No	No	Y	Y	0.4		N	No detected value of B, Step 7		No
21	Carbon Tetrachloride	ug/L		0.28				4.4	4.40	No	No	Y	Y	0.28		N	No detected value of B, Step 7		No
22	Chlorobenzene	ug/L		0.36				21000	21000	No	No	Y	Y	0.36		N	No detected value of B, Step 7		No
23	Chlorodibromomethane	ug/L		0.4				34	34.00	No	No	Y	Y	0.4		N	No detected value of B, Step 7		No
24	Chloroethane	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.4		N	No Criteria	No Criteria	Uc
25	2-Chloroethylvinyl ether	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	1.8		N	No Criteria	No Criteria	Uc
26	Chloroform	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y				No Criteria	No Criteria	Uc
27	Dichlorobromomethane	ug/L		0.3				46	46.00	No	No	Y	Y	0.3		N	No detected value of B, Step 7		No
28	1,1-Dichloroethane	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.4		N	No Criteria	No Criteria	Uc
29	1,2-Dichloroethane	ug/L		0.28				99	99.00	No	No	Y	Y	0.28		N	No detected value of B, Step 7		No
30	1,1-Dichloroethylene	ug/L		0.42				3.2	3.200	No	No	Y	Y	0.42		N	No detected value of B, Step 7		No
31	1,2-Dichloropropane	ug/L		0.35				39	39.00	No	No	Y	Y	0.35		N	No detected value of B, Step 7		No
32	1,3-Dichloropropylene	ug/L		0.22				1700	1700	No	No	Y	Y	0.22		N	No detected value of B, Step 7		No
33	Ethylbenzene	ug/L		0.25				29000	29000	No	No	Y	Y	0.25		N	No detected value of B, Step 7		No
34	Methyl Bromide	ug/L		2.1				4000	4000	No	No	Y	Y	0.42		N	No detected value of B, Step 7		No
35	Methyl Chloride	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.4		N	No Criteria	No Criteria	Uc
36	Methylene Chloride	ug/L		0.95				1600	1600.0	No	No	Y	Y	0.95		N	No detected value of B, Step 7		No
37	1,1,2,2-Tetrachloroethane	ug/L		0.3				11	11.00	No	No	Y	Y	0.3		N	No detected value of B, Step 7		No
38	Tetrachloroethylene	ug/L		0.32				8.85	8.9	No	No	Y	Y	0.32		N	No detected value of B, Step 7		No
39	Toluene	ug/L		0.36				200000	200000	No	No	Y	Y	0.36		N	No detected value of B, Step 7		No
40	1,2-Trans-Dichloroethylene	ug/L		0.3				140000	140000	No	No	Y	Y	0.3		N	No detected value of B, Step 7		No
41	1,1,1-Trichloroethane	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.3		N	No Criteria	No Criteria	Uc
42	1,1,2-Trichloroethane	ug/L		0.3				42	42.0	No	No	Y	Y	0.3		N	No detected value of B, Step 7		No
43	Trichloroethylene	ug/L		0.26				81	81.0	No	No	Y	Y	0.26		N	No detected value of B, Step 7		No
44	Vinyl Chloride	ug/L		0.4				525	525	No	No	Y	Y	0.4		N	No detected value of B, Step 7		No
45	2-Chlorophenol	ug/L		2.9				400	400	No	No	Y	Y	2.9		N	No detected value of B, Step 7		No
46	2,4-Dichlorophenol	ug/L		3.4				790	790	No	No	Y	Y	3.3		N	No detected value of B, Step 7		No
47	2,4-Dimethylphenol	ug/L		3.4				2300	2300	No	No	Y	Y	3.3		N	No detected value of B, Step 7		No
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)	ug/L		3.8				765	765.0	No	No	Y	Y	0.3		N	No detected value of B, Step 7		No
49	2,4-Dinitrophenol	ug/L		7.7				14000	14000	No	No	Y	Y	7.6		N	No detected value of B, Step 7		No
50	2-Nitrophenol	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	3.3		N	No Criteria	No Criteria	Uc
51	4-Nitrophenol	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	5.2		N	No Criteria	No Criteria	Uc
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.3		N	No Criteria	No Criteria	Uc
53	Pentachlorophenol	ug/L		3.4	13.00	7.90		8.2	7.90	No	No	Y	Y	3.3		N	No detected value of B, Step 7		No
54	Phenol	ug/L		1.9				4600000	4600000	No	No	Y	Y	1.9		N	No detected value of B, Step 7		No
55	2,4,6-Trichlorophenol	ug/L		4.3				6.5	6.5	No	No	Y	Y	4.3		N	No detected value of B, Step 7		No
56	Acenaphthene	ug/L		0.058				2700	2700	No	No	Y	Y	0.058		N	No detected value of B, Step 7		No
57	Acenaphthylene	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.69		N	No Criteria	No Criteria	Uc
58	Anthracene	ug/L		0.041				110000	110000	No	No	Y	Y	0.041		N	No detected value of B, Step 7		No
59	Benzidine	ug/L						0.00054	0.00054			Y	Y	9.5		Y	No detected value of B, Step 7		No
60	Benzo(a)Anthracene	ug/L	0.6	0.02				0.049	0.0490	N/A	N/A	Y	Y	0.02		N	N/A	TMDL WLA	Yes
61	Benzo(a)Pyrene	ug/L	0.6	0.012				0.049	0.0490	N/A	N/A	Y	Y	0.012		N	N/A	TMDL WLA	Yes
62	Benzo(b)Fluoranthene	ug/L		0.021				0.049	0.0490	No	No	Y	Y	0.021		N	No detected value of B, Step 7		No
63	Benzo(ghi)Perylene	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.019		N	No Criteria	No Criteria	Uc
64	Benzo(k)Fluoranthene	ug/L		0.011				0.049	0.0490	No	No	Y	Y	0.011		N	No detected value of B, Step 7		No
65	Bis(2-Chloroethoxy)Methane	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	1.9		N	No Criteria	No Criteria	Uc
66	Bis(2-Chloroethyl)Ether	ug/L						1.4	1.400			Y	Y	2.9		Y	No detected value of B, Step 7		No
67	Bis(2-Chloroisopropyl)Ether	ug/L		2.4				170000	170000	No	No	Y	Y	2.9		N	No detected value of B, Step 7		No
68	Bis(2-Ethylhexyl)Phthalate	ug/L		3.8				5.9	5.9	No	No	Y	Y	3.8		N	No detected value of B, Step 7		No
69	4-Bromophenyl Phenyl Ether	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	2.9		N	No Criteria	No Criteria	Uc
70	Butylbenzyl Phthalate	ug/L		3.8				5200	5200	No	No	Y	Y	3.8		N	No detected value of B, Step 7		No

			HUMAN HEALTH CALCULATIONS			AQUATIC LIFE CALCULATIONS									LIMITS		
			Organisms only			Saltwater / Freshwater / Basin Plan											
CTR#	Parameters	Reason	AMEL hh = ECA = C hh O only	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aq life	MDEL multiplier 99	MDEL aq life	Lowest AMEL	Lowest MDEL	Recommendation
1	Antimony	MEC<C & B<=C															No Limit
2	Arsenic	MEC<C & B is ND															No Limit
3	Beryllium	No Criteria															No Limit
4	Cadmium	TMDL		2.01		0.32	13.57	0.53	4.93	4.93	1.55	7.66	3.11	15.36904	8	15	Perfomance Goal
5a	Chromium (III)	No Criteria															No Limit
5b	Chromium (VI)	MEC<C & B is ND															No Limit
6	Copper	TMDL		2.01		0.32		0.53	1.97	1.97	1.55	3.06	3.11	6.13527	3.06	6.14	TMDL Limits Applied
7	Lead	TMDL		2.01		0.32		0.53	4.49	4.49	1.55	6.97	3.11	13.99119	7.0	14.0	TMDL Limits Applied
8	Mercury	ud; effluent ND, MDL>C & B>C															No Limit
9	Nickel	MEC<C & B<=C															No Limit
10	Selenium	B>C & pollutant detected in effluent		2.01		0.32		0.53	37.52	37.52	1.55	58.25	3.11	116.8632	58	117	Effluent Limit
11	Silver	MEC<C & B is ND															No Limit
12	Thallium	MEC<C & B is ND															No Limit
13	Zinc	TMDL		2.01		0.32		0.53	45.16	45.16	1.55	70.11	3.11	140.6514	70	141	TMDL Limits Applied
14	Cyanide	UD; effluent ND, MDL>C, and B is ND															No Limit
15	Asbestos	No Criteria															No Limit
	TCDD Equivalents	MEC>=C	0.000000014	2.01	0.00000						1.55		3.11		1.40E-08	2.81E-08	Effluent Limit
17		MEC<C & B is ND															No Limit
18	Acrylonitrile	UD; effluent ND, MDL>C, and B is ND															No Limit
19	Benzene	MEC<C & B is ND															No Limit
20	Bromoform	MEC<C & B is ND															No Limit
21	Carbon Tetrachloride	MEC<C & B is ND															No Limit
22	Chlorobenzene	MEC<C & B is ND															No Limit
23	Chlorodibromomethane	MEC<C & B is ND															No Limit
24	Chloroethane	No Criteria															No Limit
25	2-Chloroethylvinyl ether	No Criteria															No Limit
26	Chloroform	No Criteria															No Limit
27	Dichlorobromomethane	MEC<C & B is ND															No Limit
28	1,1-Dichloroethane	No Criteria															No Limit
29	1,2-Dichloroethane	MEC<C & B is ND															No Limit
30	1,1-Dichloroethylene	MEC<C & B is ND															No Limit
31	1,2-Dichloropropane	MEC<C & B is ND															No Limit
32	1,3-Dichloropropylene	MEC<C & B is ND															No Limit
33	Ethylbenzene	MEC<C & B is ND															No Limit
34	Methyl Bromide	MEC<C & B is ND															No Limit
35	Methyl Chloride	No Criteria															No Limit
36	Methylene Chloride	MEC<C & B is ND															No Limit
37	1,1,2,2-Tetrachloroethane	MEC<C & B is ND															No Limit
38	Tetrachloroethylene	MEC<C & B is ND															No Limit
39	Toluene	MEC<C & B is ND															No Limit
40	1,2-Trans-Dichloroethylene	MEC<C & B is ND															No Limit
41	1,1,1-Trichloroethane	No Criteria															No Limit
42	1,1,2-Trichloroethane	MEC<C & B is ND															No Limit
43	Trichloroethylene	MEC<C & B is ND															No Limit
44	Vinyl Chloride	MEC<C & B is ND															No Limit
45	2-Chlorophenol	MEC<C & B is ND															No Limit
46	2,4-Dichlorophenol	MEC<C & B is ND															No Limit
47	2,4-Dimethylphenol	MEC<C & B is ND															No Limit
48	4,6-dinitro-o-resol (aka2-methyl-4,6-Dinitrophenol)	MEC<C & B is ND															No Limit
49	2,4-Dinitrophenol	MEC<C & B is ND															No Limit
50	2-Nitrophenol	No Criteria															No Limit
51	4-Nitrophenol	No Criteria															No Limit
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	No Criteria															No Limit
53	Pentachlorophenol	MEC<C & B is ND															No Limit
54	Phenol	MEC<C & B is ND															No Limit
55	2,4,6-Trichlorophenol	MEC<C & B is ND															No Limit
56	Acenaphthene	MEC<C & B is ND															No Limit
57	Acenaphthylene	No Criteria															No Limit
58	Anthracene	MEC<C & B is ND															No Limit
59	Benzidine	UD; effluent ND, MDL>C, and B is ND															No Limit
60	Benzo(a)Anthracene	TMDL	0.049	2.01	0.09830						1.55		3.11		0.049	0.098	TMDL Limits Applied
61	Benzo(a)Pyrene	TMDL	0.049	2.01	0.09830						1.55		3.11		0.049	0.098	TMDL Limits Applied
62	Benzo(b)Fluoranthene	MEC<C & B is ND															No Limit
63	Benzo(ghi)Perylene	No Criteria															No Limit
64	Benzo(k)Fluoranthene	MEC<C & B is ND															No Limit
65	Bis(2-Chloroethoxy)Methane	No Criteria															No Limit
66	Bis(2-Chloroethyl)Ether	UD; effluent ND, MDL>C, and B is ND															No Limit
67	Bis(2-Chloroisopropyl)Ether	MEC<C & B is ND															No Limit
68	Bis(2-Ethylhexyl)Phthalate	MEC<C & B is ND															No Limit
69	4-Bromophenyl Phenyl Ether	No Criteria															No Limit
70	Butylbenzyl Phthalate	MEC<C & B is ND															No Limit

					CTR Water Quality Criteria (ug/L)					REASONABLE POTENTIAL ANALYSIS (RPA)									
					Saltwater		Human Health for consumption of:												
CTR#	Parameters	Units	CV	MEC	C acute = CMC tot	C chronic = CCC tot	Water & organisms	Organisms only	Lowest C or TMDL WLAs	MEC >= Lowest C	Tier 1 - Need limit?	B Available (Y/N)?	Are all B data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL>C?	If B>C, effluent limit required	Tier 3 - other info. ?	RPA Result - Need Limit?
71	2-Chloronaphthalene	ug/L		2.9				4300	4300	No	No	Y	Y	2.9		N	No detected value of B, Step 7		No
72	4-Chlorophenyl Phenyl Ether	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	2.4		N	No Criteria	No Criteria	Uc
73	Chrysene	ug/L	0.6	0.013				0.049	0.0490	N/A	N/A	Y	Y	0.013		N	N/A	TMDL WLA	Yes
74	Dibenzo(a,h)Anthracene	ug/L		0.035				0.049	0.0490	No	No	Y	Y	0.035		N	No detected value of B, Step 7		No
75	1,2-Dichlorobenzene	ug/L		0.32				17000	17000	No	No	Y	Y	0.32		N	No detected value of B, Step 7		No
76	1,3-Dichlorobenzene	ug/L		0.35				2600	2600	No	No	Y	Y	0.35		N	No detected value of B, Step 7		No
77	1,4-Dichlorobenzene	ug/L		0.37				2600	2600	No	No	Y	Y	2.4		N	No detected value of B, Step 7		No
78	3,3 Dichlorobenzidine	ug/L						0.077	0.08			Y	Y	7.1		Y	No detected value of B, Step 7		No
79	Diethyl Phthalate	ug/L		3.4				120000	120000	No	No	Y	Y	3.3		N	No detected value of B, Step 7		No
80	Dimethyl Phthalate	ug/L		2.4				2900000	2900000	No	No	Y	Y	2.4		N	No detected value of B, Step 7		No
81	Di-n-Butyl Phthalate	ug/L		2.9				12000	12000	No	No	Y	Y	2.9		N	No detected value of B, Step 7		No
82	2,4-Dinitrotoluene	ug/L		3.4				9.10	9.10	No	No	Y	Y	3.3		N	No detected value of B, Step 7		No
83	2,6-Dinitrotoluene	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	1.9		N	No Criteria	No Criteria	Uc
84	Di-n-Octyl Phthalate	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	3.3		N	No Criteria	No Criteria	Uc
85	1,2-Diphenylhydrazine	ug/L						0.54	0.540			Y	Y	2.4		Y	No detected value of B, Step 7		No
86	Fluoranthene	ug/L		0.11				370	370	No	No	Y	Y	0.031		N	No detected value of B, Step 7		No
87	Fluorene	ug/L		0.084				14000	14000	No	No	Y	Y	0.084		N	No detected value of B, Step 7		No
88	Hexachlorobenzene	ug/L						0.00077	0.00077			Y	Y	2.9		Y	No detected value of B, Step 7		No
89	Hexachlorobutadiene	ug/L		0.38				50	50.00	No	No	Y	Y	0.38		N	No detected value of B, Step 7		No
90	Hexachlorocyclopentadiene	ug/L		4.8				17000	17000	No	No	Y	Y	4.8		N	No detected value of B, Step 7		No
91	Hexachloroethane	ug/L		3.4				8.9	8.9	No	No	Y	Y	3.3		N	No detected value of B, Step 7		No
92	Indeno(1,2,3-cd)Pyrene	ug/L		0.011				0.049	0.0490	No	No	Y	Y	0.011		N	No detected value of B, Step 7		No
93	Isophorone	ug/L		2.9				600	600.0	No	No	Y	Y	2.9		N	No detected value of B, Step 7		No
94	Naphthalene	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.41		N	No Criteria	No Criteria	Uc
95	Nitrobenzene	ug/L		2.9				1900	1900	No	No	Y	Y	2.9		N	No detected value of B, Step 7		No
96	N-Nitrosodimethylamine	ug/L		2.4				8.10	8.10000	No	No	Y	Y	2.4		N	No detected value of B, Step 7		No
97	N-Nitrosodi-n-Propylamine	ug/L						1.40	1.400			Y	Y	3.3		Y	No detected value of B, Step 7		No
98	N-Nitrosodiphenylamine	ug/L		1.9				16	16.0	No	No	Y	Y	1.9		N	No detected value of B, Step 7		No
99	Phenanthrene	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.036		N	No Criteria	No Criteria	Uc
100	Pyrene	ug/L	0.6	0.038				11000	11000	N/A	N/A	Y	Y	0.038		N	N/A	TMDL WLA	Yes
101	1,2,4-Trichlorobenzene	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	2.4		N	No Criteria	No Criteria	Uc
102	Aldrin	ug/L			1.30			0.00014	0.00014			Y	Y				No detected value of B, Step 7		No
103	alpha-BHC	ug/L						0.013	0.0130			Y	Y				No detected value of B, Step 7		No
104	beta-BHC	ug/L		0.038				0.046	0.046	No	No	Y	Y	0.038		N	No detected value of B, Step 7		No
105	gamma-BHC	ug/L		0.028	0.16			0.063	0.063	No	No	Y	Y	0.028		N	No detected value of B, Step 7		No
106	delta-BHC	ug/L		No Criteria					No Criteria	No Criteria	No Criteria	Y	Y	0.019		N	No Criteria	No Criteria	Uc
107	Chlordane	ug/L	0.6					0.00059	0.00059	N/A	N/A	Y	Y	0.28		Y	N/A	TMDL WLA	Yes
108	4,4'-DDT	ug/L	0.6					0.00059	0.00059	N/A	N/A	Y	Y	0.028		Y	N/A	TMDL WLA	Yes
109	4,4'-DDE (linked to DDT)	ug/L						0.00059	0.00059			Y	Y	0.028		Y	No detected value of B, Step 7		No
110	4,4'-DDD	ug/L						0.00084	0.00084			Y	Y	0.028		Y	No detected value of B, Step 7		No
111	Dieldrin	ug/L	0.6					0.00014	0.00014	N/A	N/A	Y	Y	0.028		Y	N/A	TMDL WLA	Yes
112	alpha-Endosulfan	ug/L			0.034	0.0087		240	0.0087			Y	Y	0.028		Y	No detected value of B, Step 7		No
113	beta-Endolsulfan	ug/L			0.034	0.0087		240	0.0087			Y	Y	0.038		Y	No detected value of B, Step 7		No
114	Endosulfan Sulfate	ug/L		0.047				240	240	No	No	Y	Y	0.047		N	No detected value of B, Step 7		No
115	Endrin	ug/L			0.037	0.0023		0.81	0.0023			Y	Y	0.028		Y	No detected value of B, Step 7		No
116	Endrin Aldehyde	ug/L		0.047				0.81	0.81	No	No	Y	Y	0.047		N	No detected value of B, Step 7		No
117	Heptachlor	ug/L			0.053	0.0036		0.00021	0.00021			Y	Y	0.028		Y	No detected value of B, Step 7		No
118	Heptachlor Epoxide	ug/L			0.053	0.0036		0.00011	0.00011			Y	Y	0.028		Y	No detected value of B, Step 7		No
119-125	PCBs sum (2)	ug/L	0.6					0.00017	0.00017	N/A	N/A	Y	Y	0.24		Y	N/A	TMDL WLA	Yes
126	Toxaphene	ug/L			0.21	0.0002		0.00075	0.0002			Y	Y	0.75		Y	No detected value of B, Step 7		No

Notes:
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			HUMAN HEALTH CALCULATIONS			AQUATIC LIFE CALCULATIONS									LIMITS		
			Organisms only			Saltwater / Freshwater / Basin Plan											
CTR#	Parameters	Reason	AMEL hh = ECA = C hh O only	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aq life	MDEL multiplier 99	MDEL aq life	Lowest AMEL	Lowest MDEL	Recommendation
71	2-Chloronaphthalene	MEC<C & B is ND															No Limit
72	4-Chlorophenyl Phenyl Ether	No Criteria															No Limit
73	Chrysene	TMDL	0.049	2.01	0.09830						1.55		3.11		0.049	0.098	TMDL Limits Applied
74	Dibenzo(a,h)Anthracene	MEC<C & B is ND															No Limit
75	1,2-Dichlorobenzene	MEC<C & B is ND															No Limit
76	1,3-Dichlorobenzene	MEC<C & B is ND															No Limit
77	1,4-Dichlorobenzene	MEC<C & B is ND															No Limit
78	3,3 Dichlorobenzidine	UD; effluent ND, MDL>C, and B is ND															No Limit
79	Diethyl Phthalate	MEC<C & B is ND															No Limit
80	Dimethyl Phthalate	MEC<C & B is ND															No Limit
81	Di-n-Butyl Phthalate	MEC<C & B is ND															No Limit
82	2,4-Dinitrotoluene	MEC<C & B is ND															No Limit
83	2,6-Dinitrotoluene	No Criteria															No Limit
84	Di-n-Octyl Phthalate	No Criteria															No Limit
85	1,2-Diphenylhydrazine	UD; effluent ND, MDL>C, and B is ND															No Limit
86	Fluoranthene	MEC<C & B is ND															No Limit
87	Fluorene	MEC<C & B is ND															No Limit
88	Hexachlorobenzene	UD; effluent ND, MDL>C, and B is ND															No Limit
89	Hexachlorobutadiene	MEC<C & B is ND															No Limit
90	Hexachlorocyclopentadiene	MEC<C & B is ND															No Limit
91	Hexachloroethane	MEC<C & B is ND															No Limit
92	Indeno(1,2,3-cd)Pyrene	MEC<C & B is ND															No Limit
93	Isophorone	MEC<C & B is ND															No Limit
94	Naphthalene	No Criteria															No Limit
95	Nitrobenzene	MEC<C & B is ND															No Limit
96	N-Nitrosodimethylamine	MEC<C & B is ND															No Limit
97	N-Nitrosodi-n-Propylamine	UD; effluent ND, MDL>C, and B is ND															No Limit
98	N-Nitrosodiphenylamine	MEC<C & B is ND															No Limit
99	Phenanthrene	No Criteria															No Limit
100	Pyrene	TMDL	11000	2.01	22068						1.55		3.11		11000	22068	TMDL Limits Applied
101	1,2,4-Trichlorobenzene	No Criteria															No Limit
102	Aldrin	UD; effluent ND, MDL>C, and B is ND															No Limit
103	alpha-BHC	UD; effluent ND, MDL>C, and B is ND															No Limit
104	beta-BHC	MEC<C & B is ND															No Limit
105	gamma-BHC	MEC<C & B is ND															No Limit
106	delta-BHC	No Criteria															No Limit
107	Chlordane	TMDL	0.00059	2.01	0.00118						1.55		3.11		0.00059	0.0012	TMDL Limits Applied
108	4,4'-DDT	TMDL	0.00059	2.01	0.00118						1.55		3.11		0.00059	0.0012	TMDL Limits Applied
109	4,4'-DDE (linked to DDT)	UD; effluent ND, MDL>C, and B is ND															No Limit
110	4,4'-DDD	UD; effluent ND, MDL>C, and B is ND															No Limit
111	Dieldrin	TMDL	0.00014	2.01	0.00028						1.55		3.11		0.00014	0.00028	TMDL Limits Applied
112	alpha-Endosulfan	UD; effluent ND, MDL>C, and B is ND															No Limit
113	beta-Endolsulfan	UD; effluent ND, MDL>C, and B is ND															No Limit
114	Endosulfan Sulfate	MEC<C & B is ND															No Limit
115	Endrin	UD; effluent ND, MDL>C, and B is ND															No Limit
116	Endrin Aldehyde	MEC<C & B is ND															No Limit
117	Heptachlor	UD; effluent ND, MDL>C, and B is ND															No Limit
118	Heptachlor Epoxide	UD; effluent ND, MDL>C, and B is ND															No Limit
119-125	**PCBs sum (2)**	TMDL	0.00017	2.01	0.00034						1.55		3.11		0.00017	0.00034	TMDL Limits Applied
126	Toxaphene	UD; effluent ND, MDL>C, and B is ND															No Limit

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