

Constituents (ug/L)	U.S. EPA	Background concentrations (ug/L) ^A			Ocean Plan	Detection Limits (ug/L)	DPH-002-	SMB 1-14 - La Costa Beach				DPH 001 - Big Rock Beach			SMB 1-16 - Las Tunas Beach			
	Recreation	Min	Median	Max	Human Health-		Surfrider Beach	1/22/25	1/27/25	2/18/25	1/22/25	1/27/25	2/18/25	1/22/25	1/27/25	2/18/25	5/1/25	
	Risk Screening Levels (ug/L)				Based Objectives (ug/L) ^B		5/1/2025											
Aluminum	59500	NA	NA	NA	NA	170	ND	170	1500	180	ND	420	ND	ND	600	ND	ND	
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	7.80	8.4	ND	8.6	8.6	8.4	8.5	8.5	7.8	7.9	9	
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Beryllium	15	NA	NA	NA	NA	40.00	ND	-	-	-	-	-	-	-	-	-	ND	
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexavalent Chromium	0.1	NA	NA	NA	NA	-	ND	-	-	-	-	-	-	-	-	-	ND	
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Iron	41700	NA	NA	NA	NA	260	ND	ND	1500	280	ND	500	ND	ND	730	ND	340	
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Manganese	647	NA	NA	NA	NA	260	52	ND	ND	35	ND	ND	20	ND	ND	19	19	
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Selenium	298	0.0025	0.010	0.890	NA	6.70	130.00	120	180	110	120	110	120	120	120	110	130	
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	1610	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.03	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PAHs	NA	0.011	0.013	1.85	0.0088	NA												
Aroclor 1016	4	NA	NA	NA	NA	0.22	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	ND	-	ND	ND	-	ND	ND	-	ND	
Total PCBs	NA	NA	NA	NA	0.000019	NA												

^ABackground concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

^BOcean Plan water values set to protect for human consumption of fish

^CBackground concentrations of total PAHs are a sum of 28 different species, while the Ocean Plan objective is for only 8 specific PAHs. Both are included here for general comparison purposes

Constituents (ug/L)	U.S. EPA Recreation Risk Screening	Background concentrations (ug/L) ^A			Ocean Plan Human Health- Based Objectives	Detection	DPH-002- Surfrider Beach	SMB 1-14 - La Costa Beach			DPH 001 - Big Rock Beach			SMB 1-16 - Las Tunas Beach			
	Levels (ug/L)	Min	Median	Max	(ug/L) ^B	Limits (ug/L)	5/1/2025	1/22/25	1/27/25	2/18/25	1/22/25	1/27/25	2/18/25	1/22/25	1/27/25	2/18/25	5/1/25
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	ND	-	-	-	-	-	-	-	-	-	ND
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	ND	-	-	-	-	-	-	-	-	-	ND
Acrolein	30	NA	NA	NA	220	10	ND	-	-	-	-	-	-	-	-	-	ND
Acrylonitrile	0.76	NA	NA	NA	0.1	10	ND	-	-	-	-	-	-	-	-	-	ND
Benzene	3	NA	NA	NA	5.9	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Bromodichloromethane	5	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Bromoform	38	NA	NA	NA	NA	1.0	ND	-	-	-	-	-	-	-	-	-	ND
Bromomethane	75	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Chlorobenzene	462	NA	NA	NA	570	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Chloroethane	NA	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Chloroform	8	NA	NA	NA	130	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Chloromethane	NA	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Dibromochloromethane	4	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Ethylbenzene	7	NA	NA	NA	4,100	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	ND	-	-	-	-	-	-	-	-	-	ND
Methylene Chloride	43	NA	NA	NA	NA	3.0	ND	-	-	-	-	-	-	-	-	-	ND
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Toluene	1,790	NA	NA	NA	85,000	0.50	ND	-	-	-	-	-	-	-	-	-	ND
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Trichloroethene	3	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	ND	-	-	-	-	-	-	-	-	-	ND
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	ND	-	-	-	-	-	-	-	-	-	ND
Xylenes	3,240	NA	NA	NA	NA	NA	ND	-	-	-	-	-	-	-	-	-	ND

^ABackground concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

^BOcean Plan water values set to protect for human consumption of fish

^CBackground concentrations of total PAHs are a sum of 28 different species, while the Ocean Plan objective is for only 8 specific PAHs. Both are included here for general comparison purposes

Constituents (ug/L)	U.S. EPA	Background concentrations (ug/L) ^A			Ocean Plan	Detection Limits (ug/L)	SMB 1-18 - Topanga Beach					SMB 2-4 - Will Rodgers at Pulga				
	Recreation	Min	Median	Max	Human Health- Based Objectives (ug/L) ^B		1/22/25	1/27/25	2/6/25	2/18/25	5/1/25	1/22/25	1/27/25	2/6/25	2/18/25	5/1/25
	Risk Screening Levels (ug/L)															
Aluminum	59500	NA	NA	NA	NA	170	170	5200	37000	ND	ND	ND	2100	1100	ND	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	8.9	ND	14	9.6	8.5	8.5	8.2	7.5	8.8	11
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND
Beryllium	15	NA	NA	NA	NA	40.00	-	-	-	-	ND	-	-	-	-	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	63	ND	ND	ND	ND	ND	ND	ND
Hexavalent Chromium	0.1	NA	NA	NA	NA	-	-	-	-	-	ND	-	-	-	-	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	74	ND	ND	ND	ND	ND	ND	ND
Iron	41700	NA	NA	NA	NA	260	ND	6900	59000	420	430	ND	3100	1500	400	1700
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	59	ND	ND	ND	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	ND	220	3000	66	80	18	140	74	62	96
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	120	ND	ND	ND	ND	ND	ND	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	130	120	8.2	100	120	120	120	84	97	130
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	200	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1610	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.03	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND
Total PAHs	NA	0.011	0.013	1.85	0.0088	NA										
Aroclor 1016	4	NA	NA	NA	NA	0.22	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	ND	-	ND	ND	ND	ND	-	ND
Total PCBs	NA	NA	NA	NA	0.000019	NA										

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Constituents (ug/L)	U.S. EPA	Ocean Plan				Detection Limits (ug/L)	SMB 1-18 - Topanga Beach					SMB 2-4 - Will Rodgers at Pulga				
	Recreation	Background concentrations (ug/L) ^A			Human Health-		1/22/25	1/27/25	2/6/25	2/18/25	5/1/25	1/22/25	1/27/25	2/6/25	2/18/25	5/1/25
	Risk Screening Levels (ug/L)	Min	Median	Max	Based Objectives (ug/L) ^B											
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	-	-	-	-	ND	-	-	-	-	ND
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	-	-	-	-	ND	-	-	-	-	ND
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	-	-	-	-	ND	-	-	-	-	ND
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	-	-	-	-	ND	-	-	-	-	ND
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	-	-	-	-	ND	-	-	-	-	ND
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	-	-	-	-	ND	-	-	-	-	ND
Acrolein	30	NA	NA	NA	220	10	-	-	-	-	ND	-	-	-	-	ND
Acrylonitrile	0.76	NA	NA	NA	0.1	10	-	-	-	-	ND	-	-	-	-	ND
Benzene	3	NA	NA	NA	5.9	0.50	-	-	-	-	ND	-	-	-	-	ND
Bromodichloromethane	5	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Bromoform	38	NA	NA	NA	NA	1.0	-	-	-	-	ND	-	-	-	-	ND
Bromomethane	75	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	-	-	-	-	ND	-	-	-	-	ND
Chlorobenzene	462	NA	NA	NA	570	0.50	-	-	-	-	ND	-	-	-	-	ND
Chloroethane	NA	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Chloroform	8	NA	NA	NA	130	0.50	-	-	-	-	ND	-	-	-	-	ND
Chloromethane	NA	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	-	-	-	-	ND	-	-	-	-	ND
Dibromochloromethane	4	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Ethylbenzene	7	NA	NA	NA	4,100	0.50	-	-	-	-	ND	-	-	-	-	ND
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	-	-	-	-	ND	-	-	-	-	ND
Methylene Chloride	43	NA	NA	NA	NA	3.0	-	-	-	-	ND	-	-	-	-	ND
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	-	-	-	-	ND	-	-	-	-	ND
Toluene	1,790	NA	NA	NA	85,000	0.50	-	-	-	-	ND	-	-	-	-	ND
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Trichloroethene	3	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	-	-	-	-	ND	-	-	-	-	ND
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	-	-	-	-	ND	-	-	-	-	ND
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND
Xylenes	3,240	NA	NA	NA	NA	NA	-	-	-	-	ND	-	-	-	-	ND

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Constituents (ug/L)	U.S. EPA	Ocean Plan					Detection Limits (ug/L)	DPH 103 - Will Rodgers at Temescal					SMB 2-7 Will Rodgers at SM Canyon				
	Recreation	Background concentrations (ug/L) ^A			Human Health-	1/22/25		1/27/25	2/6/25	2/18/25	5/1/25	1/22/25	1/27/25	2/6/25	2/18/25	3/13/25	5/1/25
	Risk Screening Levels (ug/L)	Min	Median	Max	Based Objectives (ug/L) ^B												
Aluminum	59500	NA	NA	NA	NA	170	ND	1700	810	ND	ND	7000	3100	480	ND	ND	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	8	8.3	8.1	8.5	9.7	11	8.2	ND	7.9	12	9.4
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	15	NA	NA	NA	NA	40.00	-	-	-	-	ND	-	-	-	-	-	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND
Hexavalent Chromium	0.1	NA	NA	NA	NA	-	-	-	-	-	ND	-	-	-	-	-	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND
Iron	41700	NA	NA	NA	NA	260	ND	2400	910	260	610	12000	4400	480	1400	ND	ND
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	9	ND	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	ND	110	75	59	29	300	210	65	130	230	17
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	130	120	97	110	130	51	110	74	100	150	130
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	52	ND	ND	ND	29	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1610	NA	NA	NA	NA	0.07	ND	ND	0.01	ND	ND	0.05	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.03	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	0.07	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	0.09	ND	ND	ND	ND	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	0.14	ND	ND	ND	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	0.05	0.02	ND	ND	ND	ND
Total PAHs	NA	0.011	0.013	1.85	0.0088	NA											
Aroclor 1016	4	NA	NA	NA	NA	0.22	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	ND	-	ND	ND	ND	ND	-	-	ND
Total PCBs	NA	NA	NA	NA	0.000019	NA											

^ABackground concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

^BOcean Plan water values set to protect for human consumption of fish

^CBackground concentrations of total PAHs are a sum of 28 different species, while the Ocean Plan objective is for only 8 specific PAHs. Both are included here for general comparison purposes

Constituents (ug/L)	U.S. EPA	Ocean Plan					Detection Limits (ug/L)	DPH 103 - Will Rodgers at Temescal					SMB 2-7 Will Rodgers at SM Canyon				
	Recreation	Background concentrations (ug/L) ^A			Human Health-	1/22/25		1/27/25	2/6/25	2/18/25	5/1/25	1/22/25	1/27/25	2/6/25	2/18/25	3/13/25	5/1/25
	Risk Screening Levels (ug/L)	Min	Median	Max	Based Objectives (ug/L) ^B												
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	-	-	-	-	ND	-	-	-	-	ND	ND
Acrolein	30	NA	NA	NA	220	10	-	-	-	-	ND	-	-	-	-	ND	ND
Acrylonitrile	0.76	NA	NA	NA	0.1	10	-	-	-	-	ND	-	-	-	-	ND	ND
Benzene	3	NA	NA	NA	5.9	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Bromodichloromethane	5	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Bromoform	38	NA	NA	NA	NA	1.0	-	-	-	-	ND	-	-	-	-	ND	ND
Bromomethane	75	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Chlorobenzene	462	NA	NA	NA	570	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Chloroethane	NA	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Chloroform	8	NA	NA	NA	130	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Chloromethane	NA	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Dibromochloromethane	4	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Ethylbenzene	7	NA	NA	NA	4,100	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	-	-	-	-	ND	-	-	-	-	ND	ND
Methylene Chloride	43	NA	NA	NA	NA	3.0	-	-	-	-	ND	-	-	-	-	ND	ND
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Toluene	1,790	NA	NA	NA	85,000	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Trichloroethene	3	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	-	-	-	-	ND	-	-	-	-	ND	ND
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	-	-	-	-	ND	-	-	-	-	ND	ND
Xylenes	3,240	NA	NA	NA	NA	NA	-	-	-	-	ND	-	-	-	-	ND	ND

^ABackground concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

^BOcean Plan water values set to protect for human consumption of fish

^CBackground concentrations of total PAHs are a sum of 28 different species, while the Ocean Plan objective is for only 8 specific PAHs. Both are included here for general comparison purposes

Constituents (ug/L)	U.S. EPA	Background concentrations (ug/L) ^A			Ocean Plan	Detection Limits (ug/L)	DPH 105B - Santa Monica State Beach					SMB 3-4 SM State Beach at Pico Kenter				
	Recreation	Min	Median	Max	Human Health- Based Objectives (ug/L) ^B		1/22/25	1/27/25	2/18/25	3/13/25	5/1/25	1/22/25	1/27/25	2/18/25	3/13/25	5/1/25
	Risk Screening Levels (ug/L)															
Aluminum	59500	NA	NA	NA	NA	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	8.2	7.2	8.4	7.1	9.2	8.5	7.7	8.4	8.2	9
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	15	NA	NA	NA	NA	40.00	-	-	-	-	ND	-	-	-	-	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexavalent Chromium	0.1	NA	NA	NA	NA	-	-	-	-	-	ND	-	-	-	-	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	41700	NA	NA	NA	NA	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	ND	ND	61	ND	11	ND	ND	40	23	ND
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	23	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	130	120	110	130	110	110	110	100	140	120
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND	ND	23	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1610	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.03	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs	NA	0.011	0.013	1.85	0.0088	NA										
Aroclor 1016	4	NA	NA	NA	NA	0.22	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	-	-	ND	ND	ND	-	-	ND
Total PCBs	NA	NA	NA	NA	0.000019	NA										

^ABackground concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

^BOcean Plan water values set to protect for human consumption of fish

^CBackground concentrations of total PAHs are a sum of 28 different species, while the Ocean Plan objective is for only 8 specific PAHs. Both are included here for general comparison purposes

Constituents (ug/L)	U.S. EPA	Ocean Plan					Detection Limits (ug/L)	DPH 105B - Santa Monica State Beach					SMB 3-4 SM State Beach at Pico Kenter				
	Recreation	Background concentrations (ug/L) ^A			Human Health-	1/22/25		1/27/25	2/18/25	3/13/25	5/1/25	1/22/25	1/27/25	2/18/25	3/13/25	5/1/25	
	Risk Screening Levels (ug/L)	Min	Median	Max	Based Objectives (ug/L) ^B												
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	-	-	-	ND	ND	-	-	-	ND	ND	
Acrolein	30	NA	NA	NA	220	10	-	-	-	ND	ND	-	-	-	ND	ND	
Acrylonitrile	0.76	NA	NA	NA	0.1	10	-	-	-	ND	ND	-	-	-	ND	ND	
Benzene	3	NA	NA	NA	5.9	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Bromodichloromethane	5	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Bromoform	38	NA	NA	NA	NA	1.0	-	-	-	ND	ND	-	-	-	ND	ND	
Bromomethane	75	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chlorobenzene	462	NA	NA	NA	570	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chloroethane	NA	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chloroform	8	NA	NA	NA	130	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chloromethane	NA	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Dibromochloromethane	4	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Ethylbenzene	7	NA	NA	NA	4,100	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	-	-	-	ND	ND	-	-	-	ND	ND	
Methylene Chloride	43	NA	NA	NA	NA	3.0	-	-	-	ND	ND	-	-	-	ND	ND	
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Toluene	1,790	NA	NA	NA	85,000	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Trichloroethene	3	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	-	-	-	ND	ND	-	-	-	ND	ND	
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Xylenes	3,240	NA	NA	NA	NA	NA	-	-	-	ND	ND	-	-	-	ND	ND	

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Constituents (ug/L)	U.S. EPA	Background concentrations (ug/L) ^A			Ocean Plan	Detection Limits (ug/L)	DPH 107B - Venice City Beach					DPH 108 - Venice Pier				
	Recreation	Min	Median	Max	Human Health- Based Objectives (ug/L) ^B		1/22/25	1/27/25	2/18/25	3/13/25	5/1/25	1/22/25	1/27/25	2/18/25	3/13/25	5/1/25
	Risk Screening Levels (ug/L)															
Aluminum	59500	NA	NA	NA	NA	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	9.2	7.2	8.0	7.1	8.1	8.8	7.7	7.5	7.2	8
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	15	NA	NA	NA	NA	40.00	-	-	-	-	ND	-	-	-	-	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexavalent Chromium	0.1	NA	NA	NA	NA	-	-	-	-	-	ND	-	-	-	-	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	41700	NA	NA	NA	NA	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	61
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	ND	ND	24	ND	ND	ND	ND	24	ND	ND
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	130	120	110	130	130	120	120	110	130	130
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1610	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.03	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs	NA	0.011	0.013	1.85	0.0088	NA										
Aroclor 1016	4	NA	NA	NA	NA	0.22	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	-	-	ND	ND	ND	-	-	ND
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	-	-	ND	ND	ND	-	-	ND
Total PCBs	NA	NA	NA	NA	0.000019	NA										

^ABackground concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

^BOcean Plan water values set to protect for human consumption of fish

^CBackground concentrations of total PAHs are a sum of 28 different species, while the Ocean Plan objective is for only 8 specific PAHs. Both are included here for general comparison purposes

Constituents (ug/L)	U.S. EPA	Ocean Plan					Detection Limits (ug/L)	DPH 107B - Venice City Beach					DPH 108 - Venice Pier				
	Recreation	Background concentrations (ug/L) ^A			Human Health-	1/22/25		1/27/25	2/18/25	3/13/25	5/1/25	1/22/25	1/27/25	2/18/25	3/13/25	5/1/25	
	Risk Screening Levels (ug/L)	Min	Median	Max	Based Objectives (ug/L) ^B												
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	-	-	-	ND	ND	-	-	-	ND	ND	
Acrolein	30	NA	NA	NA	220	10	-	-	-	ND	ND	-	-	-	ND	ND	
Acrylonitrile	0.76	NA	NA	NA	0.1	10	-	-	-	ND	ND	-	-	-	ND	ND	
Benzene	3	NA	NA	NA	5.9	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Bromodichloromethane	5	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Bromoform	38	NA	NA	NA	NA	1.0	-	-	-	ND	ND	-	-	-	ND	ND	
Bromomethane	75	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chlorobenzene	462	NA	NA	NA	570	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chloroethane	NA	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chloroform	8	NA	NA	NA	130	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Chloromethane	NA	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Dibromochloromethane	4	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Ethylbenzene	7	NA	NA	NA	4,100	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	-	-	-	ND	ND	-	-	-	ND	ND	
Methylene Chloride	43	NA	NA	NA	NA	3.0	-	-	-	ND	ND	-	-	-	ND	ND	
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Toluene	1,790	NA	NA	NA	85,000	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Trichloroethene	3	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	-	-	-	ND	ND	-	-	-	ND	ND	
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	-	-	-	ND	ND	-	-	-	ND	ND	
Xylenes	3,240	NA	NA	NA	NA	NA	-	-	-	ND	ND	-	-	-	ND	ND	

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Constituents (ug/L)	U.S. EPA	Ocean Plan					Detection Limits (ug/L)	SMB 2-10 - Dockweiler			
	Recreation	Background concentrations (ug/L) ^A			Human Health-	1/22/25		1/27/25	2/18/25	5/1/2025	
	Risk Screening Levels (ug/L)	Min	Median	Max	Based Objectives (ug/L) ^B						
Aluminum	59500	NA	NA	NA	NA	170	ND	ND	ND	ND	
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	9.2	7.2	7.9	8.6	
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	
Beryllium	15	NA	NA	NA	NA	40.00	-	-	-	ND	
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	
Hexavalent Chromium	0.1	NA	NA	NA	NA	-	-	-	-	ND	
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	
Iron	41700	NA	NA	NA	NA	260	ND	ND	ND	ND	
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	
Manganese	647	NA	NA	NA	NA	260	ND	ND	18	16	
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	
Selenium	298	0.0025	0.010	0.890	NA	6.70	130	130	91	130	
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	
Anthracene	1610	NA	NA	NA	NA	0.07	ND	ND	ND	ND	
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.03	NA	NA	NA	NA	0.11	ND	ND	ND	ND	
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	ND	ND	ND	
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	
Total PAHs	NA	0.011	0.013	1.85	0.0088	NA					
Aroclor 1016	4	NA	NA	NA	NA	0.22	ND	ND	-	ND	
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	-	ND	
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	-	ND	
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	-	ND	
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	-	ND	
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	-	ND	
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	-	ND	
Total PCBs	NA	NA	NA	NA	0.000019	NA					

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Constituents (ug/L)	U.S. EPA	Background concentrations (ug/L) ^A			Ocean Plan	Detection Limits (ug/L)	SMB 2-10 - Dockweiler			
	Recreation	Min	Median	Max	Human Health-		1/22/25	1/27/25	2/18/25	5/1/2025
	Risk Screening Levels (ug/L)				Based Objectives (ug/L) ^B					
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	-	-	-	ND
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	-	-	-	ND
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	-	-	-	ND
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	-	-	-	ND
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	-	-	-	-	-
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	-	-	-	ND
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	-	-	-	ND
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	-	-	-	ND
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	-	-	-	ND
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	-	-	-	ND
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	-	-	-	ND
Acrolein	30	NA	NA	NA	220	10	-	-	-	ND
Acrylonitrile	0.76	NA	NA	NA	0.1	10	-	-	-	ND
Benzene	3	NA	NA	NA	5.9	0.50	-	-	-	ND
Bromodichloromethane	5	NA	NA	NA	NA	0.50	-	-	-	ND
Bromoform	38	NA	NA	NA	NA	1.0	-	-	-	ND
Bromomethane	75	NA	NA	NA	NA	0.50	-	-	-	ND
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	-	-	-	ND
Chlorobenzene	462	NA	NA	NA	570	0.50	-	-	-	ND
Chloroethane	NA	NA	NA	NA	NA	0.50	-	-	-	ND
Chloroform	8	NA	NA	NA	130	0.50	-	-	-	ND
Chloromethane	NA	NA	NA	NA	NA	0.50	-	-	-	ND
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	-	-	-	ND
Dibromochloromethane	4	NA	NA	NA	NA	0.50	-	-	-	ND
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	-	-	-	ND
Ethylbenzene	7	NA	NA	NA	4,100	0.50	-	-	-	ND
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	-	-	-	ND
Methylene Chloride	43	NA	NA	NA	NA	3.0	-	-	-	ND
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	-	-	-	ND
Toluene	1,790	NA	NA	NA	85,000	0.50	-	-	-	ND
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	-	-	-	ND
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	-	-	-	ND
Trichloroethene	3	NA	NA	NA	NA	0.50	-	-	-	ND
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	-	-	-	ND
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	-	-	-	ND
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	-	-	-	ND
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	-	-	-	ND
Xylenes	3,240	NA	NA	NA	NA	NA	-	-	-	ND

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