Constituents (ug/L)	U.S. EPA Recreation Risk Screening Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	SMB 1-14 - La Costa Beach			DPH 001 - Big Rock Beach			SMB 1-16 - Las Tunas Beach			SMB 1-18 - Topanga Beach			
		Min	Median	Max			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	1/22/25	1/27/25	2/6/25	2/18/25
Aluminum	59500	NA	NA	NA	NA	170	170	1500	180	ND	420	ND	ND	600	ND	170	5200	37000	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	8.4	ND	8.6	8.6	8.4	8.5	8.5	7.8	7.9	8.9	ND	14	9.6
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74	ND
Iron	41700	NA	NA	NA	NA	260	ND	1500	280	ND	500	ND	ND	730	ND	ND	6900	59000	420
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	ND
Manganese	647	NA	NA	NA	NA	260	ND	ND	35	ND	ND	20	ND	ND	19	ND	220	3000	66
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	ND
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	120	180	110	120	110	120	120	120	110	130	120	8.2	100
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	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	ND	ND
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	ND	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	ND	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	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	ND	ND
Chrysene	111	NA	NA	NA	NA	0.13	ND	ND	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	ND	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	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	ND	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	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	ND	ND
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	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	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32	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	ND	-
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	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	ND	-
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	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	ND	-
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	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	ND	-
Total PCBs	NA	NA	NA	NA	0.000019	NA													

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf
[B]Ocean Plan water values set to protect for human consumption of fish
[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	SMB 1-14 - La Costa Beach			DPH 001 - Big Rock Beach			SMB 1-16 - Las Tunas Beach			SMB 1-18 - Topanga Beach			
		Min	Median	Max			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	1/22/25	1/27/25	2/6/25	2/18/25
1,1,1-Trichloroethane	68,100	NA	NA	NA	540,000	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	2.3	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	5	NA	NA	NA	9.4	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	46	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethylene	1,830	NA	NA	NA	0.9	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1,430	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	3	NA	NA	NA	28	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	7	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	6	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	13	NA	NA	NA	18	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chloroethylvinyl	NA	NA	NA	NA	NA	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	30	NA	NA	NA	220	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	0.76	NA	NA	NA	0.1	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	3	NA	NA	NA	5.9	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	5	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	38	NA	NA	NA	NA	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	75	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	2	NA	NA	NA	0.9	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	462	NA	NA	NA	570	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	NA	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	8	NA	NA	NA	130	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	NA	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	NA	NA	NA	NA	8.9	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	4	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	7,930	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	7	NA	NA	NA	4,100	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-Butyl Ether	208	NA	NA	NA	NA	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	43	NA	NA	NA	NA	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	0.16	NA	NA	NA	2	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	1,790	NA	NA	NA	85,000	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethylene	750	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	3	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	10,100	NA	NA	NA	NA	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	0.03	NA	NA	NA	36	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (m+p)	3,110	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (ortho)	3,370	NA	NA	NA	NA	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes	3,240	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

[B]Ocean Plan water values set to protect for human consumption of fish

[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	SMB 2-4 - Will Rodgers at Pulga				DPH 103 - Will Rodgers at Temescel				SMB 2-7 Will Rodgers at SM Canyon				
		Min	Median	Max			1/22/25	1/27/25	2/6/25	2/18/25	1/22/25	1/27/25	2/6/25	2/18/25	1/22/25	1/27/25	2/6/25	2/18/25	3/13/25
Aluminum	59500	NA	NA	NA	NA	170	ND	2100	1100	ND	ND	1700	810	ND	7000	3100	480	ND	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	8.5	8.2	7.5	8.8	8	8.3	8.1	8.5	11	8.2	ND	7.9	12
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND
Iron	41700	NA	NA	NA	NA	260	ND	3100	1500	400	ND	2400	910	260	12000	4400	480	1400	ND
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	9	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	18	140	74	62	ND	110	75	59	300	210	65	130	230
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	120	120	84	97	130	120	97	110	51	110	74	100	150
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	29
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	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	0.01	ND	0.05	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	ND	ND
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	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	ND	ND
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	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	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	ND	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.07	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	ND	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND
Pyrene	101	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND	ND	0.1	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	ND	ND
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	0.09	ND	ND	ND	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND	ND	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND	ND	0.05	0.02	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	ND	-	-
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	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	ND	-	-
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	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	ND	-	-
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	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	ND	-	-
Total PCBs	NA	NA	NA	NA	0.000019	NA													

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

[B]Ocean Plan water values set to protect for human consumption of fish

[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	SMB 2-4 - Will Rodgers at Pulga				DPH 103 - Will Rodgers at Temescel				SMB 2-7 Will Rodgers at SM Canyon				
		Min	Median	Max			1/22/25	1/27/25	2/6/25	2/18/25	1/22/25	1/27/25	2/6/25	2/18/25	1/22/25	1/27/25	2/6/25	2/18/25	3/13/25
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	0.50	-	-	-	-	-	-	-	-	-	-	-	-	ND
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

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

[B]Ocean Plan water values set to protect for human consumption of fish

[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	DPH 105B - Santa Monica State Beach				SMB 3-4 SM State Beach at Pico Kenter				DPH 107B - Venice City Beach			
		Min	Median	Max			1/22/25	1/27/25	2/18/25	3/13/25	1/22/25	1/27/25	2/18/25	3/13/25	1/22/25	1/27/25	2/18/25	3/13/25
Aluminum	59500	NA	NA	NA	NA	170	ND	ND	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	8.5	7.7	8.4	8.2	9.2	7.2	8.0	7.1
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	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	ND	ND
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	ND	ND	61	ND	ND	ND	40	23	ND	ND	24	ND
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	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	23	ND	ND	ND	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	130	120	110	130	110	110	100	140	130	120	110	130
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	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	ND
Benzo(a)anthracene	1.11	NA	NA	NA	NA	0.11	ND	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	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	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	ND
Chrysene	111	NA	NA	NA	NA	0.13	ND	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	ND
Fluorene	290	NA	NA	NA	NA	0.09	ND	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	ND
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	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	ND
Benzo(b)fluoranthene	1.11	NA	NA	NA	NA	0.11	ND	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	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	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	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												

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

[B]Ocean Plan water values set to protect for human consumption of fish

[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	DPH 105B - Santa Monica State Beach				SMB 3-4 SM State Beach at Pico Kenter				DPH 107B - Venice City Beach			
		Min	Median	Max			1/22/25	1/27/25	2/18/25	3/13/25	1/22/25	1/27/25	2/18/25	3/13/25	1/22/25	1/27/25	2/18/25	3/13/25
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	0.50	-	-	-	ND	-	-	-	ND	-	-	-	ND
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

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf

[B]Ocean Plan water values set to protect for human consumption of fish

[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	DPH 108 - Venice Pier				SMB 2-10 - Dockweiler		
		Min	Median	Max			1/22/25	1/27/25	2/18/25	3/13/25	1/22/25	1/27/25	2/18/25
Aluminum	59500	NA	NA	NA	NA	170	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.04	0.0025	1.490	14.080	NA	7.10	8.8	7.7	7.5	7.2	9.2	7.2	7.9
Cadmium	15	0.0013	0.030	0.950	NA	0.99	ND	ND	ND	ND	ND	ND	ND
Total Chromium	NA	0.0063	0.370	30.550	NA	16	ND	ND	ND	ND	ND	ND	ND
Copper	2380	0.0025	0.440	63.990	NA	13	ND	ND	ND	ND	ND	ND	ND
Iron	41700	NA	NA	NA	NA	260	ND	ND	ND	ND	ND	ND	ND
Lead	NA	0.0013	0.080	71.260	NA	13	ND	ND	ND	ND	ND	ND	ND
Manganese	647	NA	NA	NA	NA	260	ND	ND	24	ND	ND	ND	18
Mercury	10	0.0006	0.0006	0.0006	NA	0.56	ND	ND	ND	ND	ND	ND	ND
Nickel	545	0.0013	0.440	15.840	NA	13	ND	ND	ND	ND	ND	ND	ND
Selenium	298	0.0025	0.010	0.890	NA	6.70	120	120	110	130	130	130	91
Zinc	18200	0.0013	1.920	129.300	NA	20	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NA	NA	NA	NA	NA	0.11	ND	ND	ND	ND	ND	ND	ND
Anthracene	1610	NA	NA	NA	NA	0.07	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
Benzo(a)pyrene	0.11	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	NA	NA	NA	NA	NA	0.07	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	11	NA	NA	NA	NA	0.08	ND	ND	ND	ND	ND	ND	ND
Chrysene	111	NA	NA	NA	NA	0.13	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
Fluorene	290	NA	NA	NA	NA	0.09	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
Phenanthrene	NA	NA	NA	NA	NA	0.09	ND	ND	ND	ND	ND	ND	ND
Pyrene	101	NA	NA	NA	NA	0.07	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
Acenaphthene	566	NA	NA	NA	NA	0.10	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2510	NA	NA	NA	15.00	0.09	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1	NA	NA	NA	NA	0.10	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	-
Aroclor 1221	0.01	NA	NA	NA	NA	0.30	ND	ND	-	-	ND	ND	-
Aroclor 1232	0.01	NA	NA	NA	NA	0.81	ND	ND	-	-	ND	ND	-
Aroclor 1242	0.23	NA	NA	NA	NA	0.70	ND	ND	-	-	ND	ND	-
Aroclor 1248	0.23	NA	NA	NA	NA	0.48	ND	ND	-	-	ND	ND	-
Aroclor 1254	0.23	NA	NA	NA	NA	0.73	ND	ND	-	-	ND	ND	-
Aroclor 1260	0.23	NA	NA	NA	NA	0.15	ND	ND	-	-	ND	ND	-
Total PCBs	NA	NA	NA	NA	0.000019	NA							

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf
[B]Ocean Plan water values set to protect for human consumption of fish
[C]Background 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 Levels (ug/L)	Background concentrations (ug/L)[A]			Ocean Plan Human Health-Based Objectives (ug/L)[B]	Detection Limits (ug/L)	DPH 108 - Venice Pier				SMB 2-10 - Dockweiler		
		Min	Median	Max			1/22/25	1/27/25	2/18/25	3/13/25	1/22/25	1/27/25	2/18/25
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	0.50	-	-	-	ND	-	-	-
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	-	-	-

[A]Background concentrations from https://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/852_SouthCoastASBS_FinalRep.pdf
[B]Ocean Plan water values set to protect for human consumption of fish
[C]Background 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