

**Table 1 - 97-98 SMW Trace Elements**

	Units	Standard	Oceanside		Chollas Crk		7th Street		Evans Street		Laurel Street		Harbor Island, E Basin		N. Island, Aircraft Platform		Shelter Island	
			dry	wet	dry	wet	dry	wet	dry	wet	dry	wet	dry	wet	dry	wet	dry	wet
<b>Aluminum</b>	<b>(mg/L)</b>	<b>?</b>	678.0	98.30	300.0	46.20	433.0	71.40	499.0	84.80	372.0	53.60	725.0	107.30	510.0	85.20	868.0	139.70
<b>Arsenic</b>	<b>(mg/L)</b>	<b>0.2<sup>A</sup>, 1.4<sup>C</sup></b>	5.4	0.80	9.1	1.40	8.2	1.10	9.1	1.50	9.2	1.30	9.1	1.40	10.2	1.70	8.5	1.40
<b>Cadmium</b>	<b>(mg/L)</b>	<b>0.64<sup>A</sup>, 1.0<sup>C</sup></b>	1.0	0.14	4.4	0.68	4.3	0.71	5.9	1.00	5.3	0.77	4.9	0.72	1.4	0.69	4.4	0.71
<b>Chromium</b>	<b>(mg/L)</b>	<b>1.0<sup>C</sup></b>	5.8	0.84	4.4	0.67	3.1	0.51	3.3	0.56	5.6	0.08	4.7	0.70	3.5	0.59	6.9	1.12
<b>Copper</b>	<b>(mg/L)</b>	<b>20.0<sup>C</sup></b>	6.0	0.09	16.9	2.60	24.5	4.03	20.8	3.53	12.9	1.86	46.6	6.89	14.9	2.49	15.2	2.45
<b>Lead</b>	<b>(mg/L)</b>	<b>2.0<sup>C</sup></b>	0.6	0.08	8.0	1.23	11.5	1.89	8.0	1.36	7.9	1.13	8.5	1.26	3.3	1.05	4.9	0.78
<b>Manganese</b>	<b>(mg/L)</b>	<b>?</b>	19.8	2.87	35.1	5.41	40.8	6.73	39.0	6.63	18.4	2.65	36.8	5.45	27.8	4.64	17.7	2.85
<b>Mercury</b>	<b>(mg/L)</b>	<b>1<sup>A</sup>, 0.4<sup>B</sup></b>	0.1	0.01	0.2	0.03	0.2	0.03	0.3	0.05	0.3	0.04	0.4	0.06	0.2	0.04	0.2	0.03
<b>Nickel</b>	<b>(mg/L)</b>	<b>28<sup>A</sup></b>	2.6	0.38	1.9	0.30	1.1	0.19	1.2	0.20	2.2	0.31	1.2	0.18	1.4	0.23	3.5	0.56

A = Maximum Tissue Residue Level for inland surface waters (edible portion, wet weight)

B = EPA Screening Value for Recreational Fisheries

C = Median International Standard for Trace Elements in Marine Shellfish (edible portion)

**TABLE 1**  
**Toxic Substances Monitoring Program**  
**Regions 4, 8, and 9**

Preliminary Summary of 2000 Data: Organic Chemicals in Fish and Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal
802.31.00	Lake Elsinore	CP	F	07/11/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
901.20.#A	San Juan Cr/Camino Capistrano	AC	W	07/25/00	<1.0	<1.0	2.5	<1.0	<2.0	<2.0	3.6	1.5	7.6	<2.0	<2.0
901.20.#A	San Juan Cr/Camino Capistrano	PRS	W	07/25/00	<1.0	<1.0	3.1	<1.0	<2.0	<2.0	4.0	<1.0	7.1	<2.0	<2.0
905.11.00	San Dieguito Lagoon	CH	F	07/25/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
906.50.##	Tecolote Creek Estuary	CKF	W	07/24/00	<1.0	<1.0	5.2	<1.0	<2.0	5.4	10.9	2.4	23.9	<2.0	<2.0
907.11.00	Famosa Slough	MOL	W	07/25/00	<1.0	<1.0	8.3	<1.0	3.9	7.9	9.8	1.9	31.8	<2.0	<2.0
908.22.01	Chollas Creek/Main Street	CKF	W	07/24/00	<1.0	<1.0	4.3	<1.0	<2.0	4.3	9.2	1.8	19.6	<2.0	<2.0
908.31.##	7th Street Ch/Trolley Xing	CKF	W	07/24/00	<1.0	<1.0	2.4	<1.0	<2.0	2.3	5.3	1.2	11.1	<2.0	<2.0
908.32.##	Paradise Creek Marsh	CKF	W	07/24/00	<1.0	<1.0	4.1	<1.0	<2.0	3.9	6.8	1.2	15.9	<2.0	<2.0
909.12.00	F-G St Salt Marsh/Chula Vista	CKF	W	07/24/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0

  

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin	Ethion
802.31.00	<2.0	<2.0	<2.0	<2.0	23.8	<3.0	<5.0	<3.0	NA	23.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
901.20.#A	2.0	<2.0	3.6	<2.0	28.1	<3.0	<5.0	<3.0	NA	31.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
901.20.#A	<2.0	<2.0	3.9	<2.0	29.7	<3.0	<5.0	<3.0	NA	33.6	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
905.11.00	<2.0	<2.0	<2.0	<2.0	21.7	<3.0	<5.0	<3.0	NA	21.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
906.50.##	2.5	<2.0	2.8	<2.0	12.6	<3.0	<5.0	<3.0	NA	15.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
907.11.00	2.5	<2.0	3.1	<2.0	9.1	<3.0	<5.0	<3.0	NA	12.2	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.22.01	2.6	<2.0	5.8	<2.0	18.9	<3.0	<5.0	<3.0	NA	24.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.31.##	<2.0	2.7	14.6	<2.0	18.7	<3.0	<5.0	3.3	NA	39.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.32.##	<2.0	<2.0	2.9	<2.0	21.6	<3.0	<5.0	<3.0	NA	24.5	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
909.12.00	<2.0	<2.0	<2.0	<2.0	6.8	<3.0	<5.0	<3.0	NA	6.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

  

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
802.31.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	43.0	10.0	<10.0	53.0	<20.0	ND
901.20.#A	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	88.8	<2.0	<4.0	<25.0	35.0	<10.0	35.0	<20.0	9.6
901.20.#A	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	120.0	<2.0	<4.0	<25.0	41.0	<10.0	41.0	<20.0	7.1
905.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
906.50.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	6.8	<2.0	<4.0	<25.0	32.0	<10.0	32.0	<20.0	26.4
907.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	49.0	14.0	63.0	<20.0	34.3
908.22.01	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	15.0	<2.0	<4.0	<25.0	81.0	20.0	101.0	<20.0	22.1
908.31.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	31.4	<2.0	<4.0	<25.0	85.0	<10.0	85.0	<20.0	11.1
908.32.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	24.0	<10.0	24.0	<20.0	15.9
909.12.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	33.0	114.0	10.0	157.0	<20.0	ND

NA Means that the sample was not analyzed for the chemical.

ND Means that the chemical was not detected.

&lt; Means that the chemical was not detected above the indicated limit of detection.

F = Fillet.

W = Whole Body.

Species codes are listed in Table 2.

FOA Action Level Total PCB = 5

**TABLE 1**  
**Toxic Substances Monitoring Program**  
**Regions 4, 8, and 9**

Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-deine	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal			
909.12.01	Sweetwater Marsh	CKF	W	07/24/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.6	<1.0	1.6	<2.0	<2.0			
Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Total Endo-sulfan	Endrin	Ethion
909.12.01	<2.0	<2.0	2.8	<2.0	25.6	<3.0	<5.0	<3.0	NA	28.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Oxa-diazon	Ethyl Para-thion	Methyl Para-thion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
909.12.01	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	75.0	14.0	89.0	<20.0	1.6

NA Means that the sample was not analyzed for the chemical.

ND Means that the chemical was not detected.

< Means that the chemical was not detected above the indicated limit of detection.

F = Filet.

W = Whole Body.

Species codes are listed in Table 2.

**TABLE 2**  
 Toxic Substances Monitoring Program  
 Regions 4, 8, and 9  
 2000 Species Code List

**Freshwater Fish \***

Species Code	Common Name	Species Name	Family Name
AC	Arroyo Chub	<i>Gila orcutti</i>	Cyprinidae
BLB	Black Bullhead	<i>Ameiurus melas</i>	Ictaluridae
CP	Carp	<i>Cyprinus carpio</i>	Cyprinidae
GAM	Mosquitofish	<i>Gambusia affinis</i>	Poeciliidae
LMB	Largemouth Bass	<i>Micropterus salmoides</i>	Centrarchidae
MOL	Sailfin Molly	<i>Poecilia latipinna</i>	Poeciliidae
PRS	Red Shiner	<i>Cyprinella lutrensis</i>	Cyprinidae
RBT	Rainbow Trout	<i>Oncorhynchus mykiss</i>	Salmonidae
TL	Tilapia	<i>Tilapia sp.</i>	Cichlidae

**Marine Fish \***

Species Code	Common Name	Species Name	Family Name
CH	California Halibut	<i>Paralichthys californicus</i>	Bothidae
CKF	California Killifish	<i>Fundulus parvipinnis</i>	Cyprinodontidae

**Non-Fish**

Species Code	Common Name	Species Name	Family Name
PROI	Red Swamp Crayfish	<i>Procambarus clarki</i>	Astacidae

\* Common and scientific fish names were obtained from Robins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1991. Common and Scientific Names of Fishes from the United States and Canada. American Fisheries Society Special Publication 20, Bethesda, Maryland.