

Storm Drain Station Comparison of Shipyards; NASSCO

Contaminant	Reference Station 1 Mean Concentration	NSS-STD-01 Mean Concentration	Significantly Different
Copper (ppm)	34.8	49.7	
Lead (ppm)	14.3	62.8	X
Mercury (ppm)	0.2	0.5	
Zinc (ppm)	75.5	133.4	X
TBT (ppb)	11.1	43.8	
Pyrene (ppb)	290.4	632.7	X
Benzo(a)pyrene (ppb)	160.9	255.4	
Benzo(b)fluoranthene (ppb)	158.9	303.3	
Benzo(ghi)perlyene (ppb)	56.3	126.5	X
Chrysene (ppb)	298.0	327.3	

Contaminant	Reference Station 2 Mean Concentration	NSS-STD-01 Mean Concentration	Significantly Different
Copper (ppm)	183.7	49.7	X
Lead (ppm)	46.1	62.8	
Mercury (ppm)	0.5	0.5	
Zinc (ppm)	225.5	133.4	X
TBT (ppb)	8.3	43.8	
Pyrene (ppb)	48.1	632.7	X
Benzo(a)pyrene (ppb)	46.1	255.4	X
Benzo(b)fluoranthene (ppb)	45.3	303.3	X
Benzo(ghi)perlyene (ppb)	45.5	126.5	X
Chrysene (ppb)	43.1	327.3	X

Contaminant	Reference Station 3 Mean Concentration	NSS-STD-01 Mean Concentration	Significantly Different
Copper (ppm)	91.0	49.7	X
Lead (ppm)	41.9	62.8	X
Mercury (ppm)	0.6	0.5	
Zinc (ppm)	148.0	133.4	
TBT (ppb)	15.4	43.8	
Pyrene (ppb)	1278.8	632.7	
Benzo(a)pyrene (ppb)	608.3	255.4	
Benzo(b)fluoranthene (ppb)	748.9	303.3	
Benzo(ghi)perlyene (ppb)	213.6	126.5	
Chrysene (ppb)	942.3	327.3	X

Storm Drain Station Comparison of Shipyards; Southwest Marine

Contaminant	Reference Station 1 Mean Concentration	SWM-STD-01 Mean Concentration	Significantly Different
Copper (ppm)	34.8	179.3	X
Lead (ppm)	14.3	78.0	X
Mercury (ppm)	0.2	1.0	
Zinc (ppm)	75.5	375.0	X
TBT (ppb)	11.1	53.4	
Pyrene (ppb)	290.4	784.0	
Benzo(a)pyrene (ppb)	160.9	306.1	
Benzo(b)fluoranthene (ppb)	158.9	410.8	X
Benzo(ghi)perlyene (ppb)	56.3	182.8	X
Chrysene (ppb)	298.0	498.4	

Contaminant	Reference Station 2 Mean Concentration	SWM-STD-01 Mean Concentration	Significantly Different
Copper (ppm)	183.7	179.3	
Lead (ppm)	46.1	78.0	X
Mercury (ppm)	0.5	1.0	
Zinc (ppm)	225.5	375.0	X
TBT (ppb)	8.3	53.4	
Pyrene (ppb)	48.1	784.0	X
Benzo(a)pyrene (ppb)	46.1	306.1	X
Benzo(b)fluoranthene (ppb)	45.3	410.8	X
Benzo(ghi)perlyene (ppb)	45.5	182.8	X
Chrysene (ppb)	43.1	498.4	X

Contaminant	Reference Station 3 Mean Concentration	SWM-STD-01 Mean Concentration	Significantly Different
Copper (ppm)	91.0	179.3	X
Lead (ppm)	41.9	78.0	X
Mercury (ppm)	0.6	1.0	
Zinc (ppm)	148.0	375.0	X
TBT (ppb)	15.4	53.4	
Pyrene (ppb)	1278.8	784.0	
Benzo(a)pyrene (ppb)	608.3	306.1	
Benzo(b)fluoranthene (ppb)	748.9	410.8	
Benzo(ghi)perlyene (ppb)	213.6	182.8	
Chrysene (ppb)	942.3	498.4	

Reference Station Comparison of Shipyards

Contaminant	Reference Station 1 Mean Concentration	Reference Station 2 Mean Concentration	Significantly Different
Copper (ppm)	34.83	183.67	X
Lead (ppm)	14.27	46.11	X
Mercury (ppm)	0.19	0.53	X
Zinc (ppm)	75.53	225.50	X
TBT (ppb)	11.05	8.25	X
Pyrene (ppb)	290.42	48.05	X
Benzo(a)pyrene (ppb)	160.88	46.05	
Benzo(b)fluoranthene (ppb)	158.92	45.30	
Benzo(ghi)perlyene (ppb)	56.25	45.47	
Chrysene (ppb)	298.01	43.13	X

Contaminant	Reference Station 1 Mean Concentration	Reference Station 3 Mean Concentration	Significantly Different
Copper (ppm)	34.83	90.95	X
Lead (ppm)	14.27	41.85	X
Mercury (ppm)	0.19	0.63	X
Zinc (ppm)	75.53	148.00	X
TBT (ppb)	11.05	15.43	
Pyrene (ppb)	290.42	1278.75	X
Benzo(a)pyrene (ppb)	160.88	608.28	X
Benzo(b)fluoranthene (ppb)	158.92	748.87	X
Benzo(ghi)perlyene (ppb)	56.25	213.55	X
Chrysene (ppb)	298.01	942.25	X

Contaminant	Reference Station 2 Mean Concentration	Reference Station 3 Mean Concentration	Significantly Different
Copper (ppm)	183.67	90.95	X
Lead (ppm)	46.11	41.85	
Mercury (ppm)	0.53	0.63	
Zinc (ppm)	225.50	148.01	X
TBT (ppb)	8.25	15.43	
Pyrene (ppb)	48.05	1278.75	X
Benzo(a)pyrene (ppb)	46.05	608.28	X
Benzo(b)fluoranthene (ppb)	45.30	748.87	X
Benzo(ghi)perlyene (ppb)	45.47	213.56	X
Chrysene (ppb)	43.13	942.25	X