4992070 1300 S. Storm Drain

AWAL ID 1006394-007
AWAL ID 1006393-007

Collection Date: 6-21-2010

Reported Concentrations DO exceed acute guideline
Reported Concentrations DO exceed chronic guideline

CHEMICAL	CAS#	Measured Concentration (ug/L)	Acute Potency Divisor (ug/L)	Chronic Potency Divisor (ug/L)	Source	Acute Potency Ratio	Chronic Potency Ratio
Oil-Related Organic Compounds, ug/L							
Benzene	71-43-2		27,000	5,300	3	0.00000	0.00000
Cyclohexane	110-82-7		1,900	374	3	0.00000	0.00000
Ethylbenzene	100-41-4		4,020	790	3	0.00000	0.00000
Isopropylbenzene	98-82-8		2,140	420	3	0.00000	0.00000
m-Xylene	108-38-3		3,560	700	3	0.00000	0.00000
p-Xylene	106-42-3		3,560	700	3	0.00000	0.00000
o-Xylene	95-47-6		3,560	700	3	0.00000	0.00000
Methylcyclohexane	108-87-2		463	91.0	3	0.00000	0.00000
Toluene	108-88-3	0.15	8,140	1,600	3	0.00002	0.00009
Naphthalene	91-20-3	1.9	803	193	4	0.00237	0.00984
C1-Naphthalenes	--		340	81.7	4	0.00000	0.00000
C2-Naphthalenes	--		126	30.2	4	0.00000	0.00000
C3-Naphthalenes	--		46.1	11.1	4	0.00000	0.00000
C4-Naphthalenes	--		16.9	4.05	4	0.00000	0.00000
Acenaphthylene	208-96-8		1,280	307	4	0.00000	0.00000
Acenaphthene	83-32-9		232	55.8	4	0.00000	0.00000
Fluorene	86-73-7		164	39.3	4	0.00000	0.00000
C1-Fluorenes	--		58.1	14.0	4	0.00000	0.00000
C2-Fluorenes	--		22.0	5.30	4	0.00000	0.00000
C3-Fluorenes	--		7.99	1.92	4	0.00000	0.00000
Phenanthrene	85-01-8		79.7	19.1	4	0.00000	0.00000
Anthracene	120-12-7		86.1	20.7	4	0.00000	0.00000
C1-Phenanthrenes	--		31.0	7.44	4	0.00000	0.00000
C2-Phenanthrenes	--		13.3	3.20	4	0.00000	0.00000
C3-Phenanthrenes	--		5.24	1.26	4	0.00000	0.00000
C4-Phenanthrenes	--	6.32	2.33	0.559	4	2.71825	11.31062
Fluoranthene	206-44-0		29.6	7.11	4	0.00000	0.00000
Pyrene	129-00-0		42.0	10.1	4	0.00000	0.00000
C1-pyrene/fluoranthenes	--		20.3	4.89	4	0.00000	0.00000
Benz(a)anthracene	56-55-3		9.28	2.23	4	0.00000	0.00000
Chrysene	218-01-9		8.49	2.04	4	0.00000	0.00000
C1-Chrysenes	--		3.56	0.856	4	0.00000	0.00000
C2-Chrysenes	--		2.01	0.483	4	0.00000	0.00000
C3-Chrysenes	--		0.699	0.168	4	0.00000	0.00000
C4-Chrysenes	--		0.294	0.0706	4	0.00000	0.00000
Perylene	198-55-0		3.75	0.901	4	0.00000	0.00000
Benzo(b)fluoranthene	205-99-2		2.82	0.677	4	0.00000	0.00000
Benzo(k)fluoranthene	207-08-9		2.67	0.642	4	0.00000	0.00000
Benzo(e)pyrene	192-97-2		3.75	0.901	4	0.00000	0.00000
Benzo(a)pyrene	50-32-8		3.98	0.957	4	0.00000	0.00000
Indeno(1,2,3-cd)pyrene	193-39-5		1.14	0.275	4	0.00000	0.00000
Dibenz(a,h) anthracene	53-70-3		1.17	0.282	4	0.00000	0.00000
Benzo(g,h,i)perylene	191-24-2		1.83	0.439	4	0.00000	0.00000
					Total	**2.721**	**11.321**

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1 National Recommended Water Quality Criteria. Office of Water and Office of Science and Technology
http://www.epa.gov/waterscience/criteria/wqctable/

2 Great Lakes Initiative (GLI) Clearinghouse resources Tier II criteria revised February 2009
http://www.epa.gov/gliclearinghouse/

3 U.S. EPA. 2008. Procedures for the Derivation of Equilibrium Partitioning Sediment benchmarks (ESBs) for the Protection of Benthic Organisms. Compendium of Tier 2 Values for Nonionic Organics. U.S. Environmental Protection Agency, Office of Research and Development: Washington DC EPA/600/R-02/016. PB2008-107282. March 2008.
http://www.epa.gov/NHEERL/publications/files/ESB_Compendium_v14_final.pdf

4 U.S. EPA. 2003. Procedures for the Derivation of Equilibrium Partitioning Sediment benchmarks (ESBs) for the Protection of Benthic Organisms. PAH Mixtures. EPA-600-R-02-013. Office of Research and Development. Washington, DC.
http://www.epa.gov/nheerl/publications/files/PAHESB.pdf