1300 South Storm Drain

Updated on: 6/15/2010

				Human Health Water Quality Criteria (Class 3A, 3B, 3C and 3D)	EPA Suggested Criteria (see references below)	
Date/Time	**Site**	**Volatile Organic Compound (VOC)**	**Sample Concentration (ug/L)**	**Water and Organisms Criteria (ug/L)**	**Chronic Criteria (ug/L)**	**Flow (cfs)***
June 12, 2010						
6/12/10 17:45	Storm Drain at 1300 South	Benzene	Undetected	51	5300	27.2
6/12/10 17:45	Storm Drain at 1300 South	Toluene	3.94	15,000	1600	27.2
6/12/10 17:45	Storm Drain at 1300 South	Ethylbenzene	5.57	2,100	790	27.2
6/12/10 17:45	Storm Drain at 1300 South	Xylenes	55.63	No std	700	27.2
6/12/10 17:45	Storm Drain at 1300 South	Naphthalene	15.91	No std	193	27.2
June 13, 2010						
6/13/10 14:15	Storm Drain at 1300 South	Benzene	Undetected	51	5300	29
6/13/10 14:15	Storm Drain at 1300 South	Toluene	0.9^	15,000	1600	29
6/13/10 14:15	Storm Drain at 1300 South	Ethylbenzene	0.6^	2,100	790	29
6/13/10 14:15	Storm Drain at 1300 South	Xylenes	7.1	No std	700	29
6/13/10 14:15	Storm Drain at 1300 South	Naphthalene	11.7	No std	193	29

* Flow Derived as Combined cfs from three gaged tributaries entering the Jordan River via 1300 South Storm Drain. Flow measurements taken from closest time available to sampling time.

Salt Lake County Gage Site #70, 1600 E. Bonneville Drive (1050 South). http://www.pweng.slco.org/flood/streamFlow/cfml/strm_display.cfm?gageno=740&sensor=739

Salt Lake County Gage Site # 520 3400 E. @ ~2800 South.
http://www.pweng.slco.org/flood/streamFlow/cfml/strm_display.cfm?StartDay1=9&StartMonth=6&StartYear=2010&EndDay=15&EndMonth=6&EndYear=2010&gageno=520&SubmitButton=submit

Salt Lake County Gage Site # 620 2800 E. Emigration Canyon (840 So.).
http://www.pweng.slco.org/flood/streamFlow/cfml/strm_display.cfm?StartDay1=9&StartMonth=6&StartYear=2010&EndDay=15&EndMonth=6&EndYear=2010&gageno=620&SubmitButton=submit

^ Below MRL.

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