

## Jordan River at New State Canal

Updated on: 6/15/2010

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|---|---|
| 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)* |
|---|-----------------|---------------------------------|-----------------------------|-------------------------------------|-------------------------|-------------|
| <b>June 13, 2010</b>  |                 |                                 |                             |                                     |                         |             |
| 6/13/10 15:40   | New State Canal | Benzene                         | Undetected                  | 51                                  | 5300                    | N/A         |
| 6/13/10 15:40   | New State Canal | Toluene                         | 1.4                         | 15,000                              | 1600                    | N/A         |
| 6/13/10 15:40   | New State Canal | Ethylbenzene                    | 1.5                         | 2,100                               | 790                     | N/A         |
| 6/13/10 15:40   | New State Canal | Xylenes                         | 14.9                        | No std                              | 700                     | N/A         |
| 6/13/10 15:40   | New State Canal | Naphthalene                     | 4.9                         | No std                              | 193                     | N/A         |
| * Flow at Utah Water Rights. LOWER JORDAN RIVER STATE CANAL 40 53 8 N/ 111 56 53 W. <a href="http://www.waterrights.utah.gov/cgi-bin/dvrtview.exe?Startup">http://www.waterrights.utah.gov/cgi-bin/dvrtview.exe?Startup</a> . Lower Jordan River. |                 |                                 |                             |                                     |                         |             |

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\\_Compndium\\_v14\\_final.pdf](http://www.epa.gov/NHEERL/publications/files/ESB_Compndium_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>