



**Summary of WATER Sample Laboratory Results**  
**August 23, 2010**  
**MC252 Oil Release**  
**City of Orange Beach, AL**



**Chemicals of Concern (COCs)** are the tested parameters for the MC252 Oil Spill:  
 Benzene, Toluene, Ethylbenzene, Xylene (BTEX), and Polynuclear Aromatic Hydrocarbons (PAHs)  
 These COCs are considered by EPA and ADEM as having carcinogenic characteristics

Sample Collection Date	Site Location	Test Results
8/12/10	Site 2 - Cotton Bayou Beach Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
8/12/10	Site 10 - Walker Ave.	Moderate Concern - Site Sample Results Yield Detections for COCs <b>at or Below</b> the EPA and/or ADEM Health Screening Levels - <b>Toluene, 1 ppm</b>
7/14/10	Site 1 - Romar Beach Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/15/10	Site 5 - Old River	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/29/10	Site 6 - Perdido Pass	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/15/10	Site 8 - Mississippi Ave. Community Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/14/10	Site 12 - Flora-Bama Restaurant	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/14/10	Site 14 - State Park Boundary	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/29/10	Site 3 - Florida Point Beach Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/22/10	Site 4 - Cotton Bayou Canoe Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/21/10	Site 7 - Greentree Community Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/21/10	Site 9 - Harrison Point Canoe Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/21/10	Site 11 - Waterfront Park Canoe Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
7/22/10	Site 13 - Gulf Bay Rd. Canoe Access	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels
8/20/10	Site 15 - Wolf Bay	Laboratory Results Due 9/2/10

Maximum Concern =	Maximum Concern - Site Sample Results Yield Levels <b>Above</b> EPA and/or ADEM Health Screening Levels for COCs Tested**
Moderate Concern =	Moderate Concern - Site Sample Results Yield Detections for COCs <b>at or Below</b> the EPA and/or ADEM Health Screening Levels
Minimum Concern =	Minimum Concern - Site Results Yield Detections for COCs <b>Below</b> the EPA and/or ADEM Health Screening Levels

**\*\*EPA defined Health Screening Levels also known as Preliminary Remediation Goals (PRGs) consider human health toxicity criteria with standard exposure factor values to establish chemical concentrations in soil, air, and ground water/ tap water are protective of human exposure (including sensitive sub-populations, i.e. children, pregnant/nursing women, and elderly) over a lifetime.**

**Exceedance of PRGs suggest a need for further evaluation and increased level of caution in the area Not necessarily a "trigger" for response action or identification as a "dirty" site.**

Refer to Monitoring Location Map for sample site locations.

Surface and sub surface environmental conditions are constantly changing and as such, reported laboratory results are only indicative for the location, day and exact time of collection.

Laboratory standard turnaround times for analysis are reported between 7-10 business days from date of receipt by the lab

