NYC 9/11 Public Portal Document

September 27, 2001 (3:50pm)

Preliminary Results
PCBs, PAHs, Metals, TSS

New York City/ World Trade Center Sampling Activities
Repeat Ambient Sampling (2)

Preliminary Results Summary

PCB congeners (DL 0.0057 ug/L) and PAHs (DLs $\leq$ 1.0 ug/L) were reported as not detected by the EPA Region 2 Lab.

Metals concentrations were below levels of concern, and generally decrease between the Hudson River background location and the Hudson River WTC sampling locations, likely due to dilution. TSS was slightly elevated in the East River sample relative to the Hudson River samples.

EPA Personnel: Ambient Sampling - Randy Braun, Helen Grebe, Thuan Tran, Darven Adams

Sampling Date:	September 25, 2001
Sampling Time:	1020 - 1230 hours (10:20 AM - 12:30PM) Rain of about ½ inch between 0000 hours and 0600 hours (12:00 AM - 6:00 AM)
Location:	Hudson River and East River
Sample Matrix:	Water

Analytes , Laboratory, and Expected Turn-Around:

Region 2 Edison - Metals, TSS, PAHs, PCB congeners
NYS DEC Contractor (Axys) - PCB congeners, PAHs, Dioxins/Furans
Asbestos *Contract* (Raj Singhvi coordinating)

Runoff Sampling: No runoff or CSO overflow was observed, therefore no samples collected.

Ambient Sampling: Ambient samples were collected from five (5) locations previously sampled on 09/20/01. The locations in the Hudson River are directly west of Ground Zero, north of Ground Zero, south of Ground Zero. A reference (background) sample was collected from the Hudson River near the George Washington Bridge. A sample was collected in the East River east of South Street Seaport. The EPA Clean Waters supported the sampling.

HR-Background	40 50.210 N 073 57.384 W
HR-North WTC	40 43.427 N 074 01.272 W
HR-West WTC	40 42.903 N 074 01.332 W

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HR-South WTC	40 42.133 N 074 01.417 W
ER-South St.	40 42.210 N 074 00.071 W

Preliminary Results:

PCB Congeners: PCB congeners were analyzed by the EPA Region 2 laboratory. There were no reported detections of PCBs in any sample at a detection limit of 0.0057 ug/L.

PAHs: PAHs were analyzed by the Region 2 Laboratory. Thre were no reported detections at a detection limit of $\leq$ 1 ug/L.

Metals: Metals were analyzed in the Region II laboratory. Concentrations in all samples were of the same magnitude and similar concentration to those reported in the first ambient sampling conducted on 09/20/01. No metals were detected at levels of concern. The results show no discernable impact on ambient water quality from the WTC disaster.

TSS: TSS in the Hudson River samples ranged 14 - 15 mg/L for the background and WTC area Hudson River samples, and 19 mg/L for the East River sample. Results are similar to those reported in the 09/20/01 samples.