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November 1, 2001 (10:14am)

Preliminary Data

New York City/ World Trade Center Sampling Activities
Exchange Place PATH Dewatering 3 (10/26/01 Sample)



EPA Personnel: Robert Morrell
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Sampling Date: October 26, 2001

Location: Grab samples from direct discharge to the Hudson River.

Sample Matrix: Aqueous

Analytes (Laboratory): VOCs + Freon + MTBE (EPA Region 2)
Microbiology (EPA Region 2)

Objective: The sampling was conducted primarily to evaluate whether PATH tunnel discharge water contains fluorodichloromethane (Freon 22) which has been detected at increasing

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concentrations in air at Ground Zero. Total and fecal coliforms and heterotrophic plate count was included in the sampling regime to address NYSDOH concerns regarding pathogens in WTC basement and PATH tunnel water. The discharge at Exchange Place was discontinued on October 31, and PATH tunnel/basement effluent is currently routed to the Newtown Creek POTW.

Preliminary Results Summary:

General Characteristics: Sample was a light amber color and had a "sewage-like" odor.

Microbiology: Total and fecal coliforms were both detected at 3000 MPN/100 ml. This is an order of magnitude or more less than the level (10^4 - 10^6/100 ml) in "typical" untreated domestic wastewater (Metcalf and Eddy, 1991). The heterotrophic plate count (HPC) result was to numerous to count (TNTC/1 ml).

VOCs: Sample being analyzed for VOCs + freons + MTBE. Instrument problem has delayed analysis.

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