

September 24, 2001 (10:45am)

Preliminary Results

New York City/ World Trade Center Sampling Activities

Sandy Hook "Greaseballs"

Preliminary Results Summary: Three grab samples were collected of the washup material the Ocean Beach at southern Sandy Hook. The "greaseball" material was only observed at this location. Two samples were submitted for analysis, and one has been archived. Data received to date suggest that the "greaseballs" are derived from sewage.

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Sampling Date: 09/20/01

Sampling Time: Grab 1: 1200 hours
Grab 3: 1221 hours

Location: Sandy Hook Beach (Atlantic Ocean side at South Beach Area B), NJ. A survey of other Sandy Hook Ocean Beach locations did not reveal washup material.

Sample Matrix: "Greaseballs" - amorphous, sandy, gelatinous material

Analytes (Laboratory):

Total/Fecal Coliform (Region 2)
Oil and Grease (Region 2)
PCBs (Contract)
Metals (Region 2)
Dioxins/Furans (Paradigm Analytical)

Preliminary Results:

09/24/01

Oil and Grease

Grab 1: 58%
Grab 3: 42%

Total Coliforms (MPN/100ml) 16,000,000 estimated, confirmatory assays in progress

Fecal Coliforms (MPN/100ml)
Grab 1: 300,000
Grab 3: 110,000

Metals: Detected metals are dominated by relatively inert constituents (calcium, iron, magnesium, and sodium). Other metals were detected at low

concentrations.

Analyte	Grab 1 (mg/Kg)	Grab 3 (mg/Kg)
Silver	3.5	1.6
Aluminum	400	650
Arsenic	ND	1.2
Barium	5.5	6.7
Beryllium	ND	ND
Calcium	15000	14000
Cadmium	ND	ND
Cobalt	ND	ND
Chromium (total)	5.5	6.5
Copper	47	39
Iron	790	1900
Potassium	480	780
Magnesium	1000	1300
Manganese	11	25
Sodium	7500	9400
Nickel	1.9	2.2
Lead	11	15
Selenium	ND	ND
Antimony	ND	ND
Thallium	ND	ND
Vanadium	1.7	3.7
Zinc	180	120
Mercury	0.76	0.15

PCBs (Aroclors) :

Dioxins/Furans:	Grab 1	Awaiting Data from contract lab
	Grab 3	Awaiting Data from contract lab