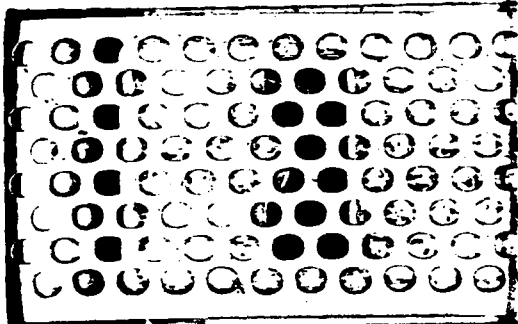




ROBERT C. AVALTRONI, DEPUTY COMMISSIONER
BUREAU OF AIR, NOISE, & HAZARDOUS MATERIALS

59-17 Junction Blvd., 11th floor
 Corona, New York 11368-5107
 (718) 595-4418
 FAX (718) 595-4544

Date: 9/21/01

Log: _____

To: Comm. Miele, F/D/C Chapin, C. Sturcken

Re: Test results

☐ Urgent

☐ Per our conversation

☒ For your information

☐ Draft response for my signature

☐ For appropriate action

☐ Draft response for the
Commissioner's signature

☐ For comment

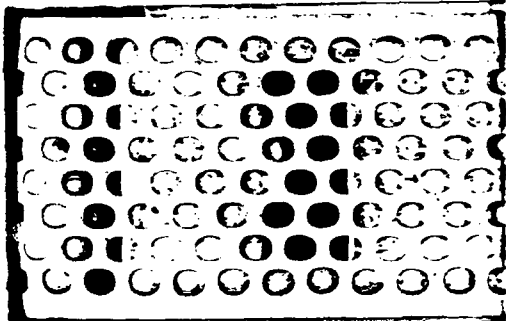
☐ Respond/copy me

Comments: _____

Tests results up to date. As

tests results from the 20th become

available, we will update.



TESTING AT GROUND ZERO BY DEP HAZMAT
From 9/13 - 9/19

Freon	Negative
VOC's	Negative
Chlorine	Negative
Methane	Negative
H₂ Cyanide	Negative
Lower Explosive Levels	Negative
Carbon Monoxide	Slightly elevated

WORLD TRADE CENTER AIR SAMPLING TABLE

Date Sampled	Sample ID	Location Sampled	Duration Sampled (Mins)	Sample Volume (liters)	Type of Analysis	PCM LOD (l/mm2)	PCM LOQ (l/cc)	Results PCM (l/cc)	Results TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS STS.	95	950	PCM & TEM			0.08	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS	90	900	PCM & TEM			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD	95	950	PCM & TEM			0.04	157.48
09/12/01	10912/A207004	BROADWAY & WORTH	50	500	PCM & TEM			0.01	44.99
09/12/01	10912/A207005	W. BROADWAY & WORTH	35	350	PCM & TEM			0.01	11.25
09/12/01		FIELD BLANK			PCM	12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH	25	375	PCM		0.01	0.22	
09/13/01	10913/A207002	FULTON & CHURCH	40	600	PCM		0.01	0.1	
09/13/01	10913/A207003	MURRAY & GREENWICH	40	600	PCM		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR	30	450	PCM		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH	30	450	PCM		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH	40	600	PCM		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH	40	600	PCM		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH	40	600	PCM			0.02	
09/14/01	10914/A003004	CEDAR & TRINITY PL	39	585	PCM			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA APPROX. 50 FT FROM EXPLOSION (HOT ZONE)	50	750	PCM		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH 50 FT. FROM EXPLOSION (HOT ZONE)	35	525	PCM			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH	50	750	PCM		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN BROADWAY & CHURCH	40	600	PCM		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN BROADWAY & CHURCH	30	450	PCM		0.001	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	65	975	PCM		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH	35	525	PCM			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN BROADWAY & CHURCH	50	750	PCM			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	30	450	PCM			0.045	
09/15/01	LAB1#1	FULTON BETWEEN BROADWAY & CHURCH	45	675	PCM			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY	50	750	PCM			0.0082	
09/15/01	302-1	FULTON & CHURCH	40	600	PCM			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH (HOT ZONE)	40	450	PCM			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	30	450	PCM			0.076	
09/15/01	LAB3#2	GREENWICH & MURRAY	45	675	PCM			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR	30	450	PCM			0.033	

WORLD TRADE CENTER AIR SAMPLING TABLE

Date Sampled	Sample ID	Location Sampled	Duration Sampled (Mins)	Sample Volume (liters)	Type of Analysis PCM/TEM	PCM LOD (µg/m ³)	PCM LOQ (µg/c)	Results PCM (µg/c)	Results TEM (µg/m ³)
09/16/01	10916/A207003	MURRAY & CHURCH	30	450	PCM			0.03	
09/16/01	10916/A207004	MURRAY BET WEEN CHURCH & BROADWAY	45	675	PCM			0.05	
09/16/01	10916/A307001	BROADWAY & LIBERTY	35	525	PCM			0.01	
09/16/01	10916/A307002	BROADWAY & CEDAR	40	600	PCM			0.08	
09/16/01	LAB1#1	GREENWICH & MURRAY	45	675	PCM			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	30	450	PCM			0.038	
09/16/01	302/001	VESEY BET W.BROADWAY & CHURCH (HOT ZONE)	40	600	PCM			0.024	
09/16/01	302/002	FULTON & CHURCH	40	600	PCM			0.03	
09/16/01	302/003	FULTON BETWEEN BROADWAY & CHURCH	40	600	PCM			0.03	
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	120	1800	PCM			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL, BLUE ROOM	120	1800	PCM			0.011	
09/17/01	LAB3#1	LOBBY - 100 GOLD STREET	60	15	PCM		0.006	0.006	
09/17/01	LAB3#2	9TH FL - 100 GOLD STREET	60	15	PCM		0.006	0.006	
09/17/01	302/001	FULTON & CHURCH	40	600	PCM			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY	30	450	PCM			0.062	
09/17/01	LAB3#001	GREENWICH & MURRAY	45	675	PCM			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH	45	675	PCM			0.013	
09/17/01	10917/A100001	LOBBY- 22 RIVER TERRACE	120	1800	PCM		0.004	0.004	
09/17/01	10917/A100002	14TH FL - 22 RIVER TERRACE	120	1800	PCM		0.002	<0.002	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	90	1350	PCM		0.002	<0.002	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) - PHB	90	1350	PCM			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	120	1800	PCM			0.014	
09/17/01	302/002	400 CHAMBERS STREET - 9TH FLOOR	120	1800	PCM			0.007	
09/17/01	302/003	W. END OF WARREN STREET	45	675	PCM		0.007	0.007	
09/17/01	302/001	S.W. FULTON / CHURCH	45	675	PCM			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	90	1350	PCM		0.006	0.044	
09/18/01	302/002	225 RECTOR PLACE - LOBBY	90	1350	PCM			0.03	
09/18/01	LAB3#1	GREENWICH & MURRAY	30	450	PCM			0.011	
09/18/01	10918/A307001	WARREN & NORTH END AVENUE	45	675	PCM			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH	35	525	PCM			0.018	
09/18/01	10918/A207001	WEST ST & VESEY	40	600	PCM			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH	30	450	PCM			0.021	

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450			0.038	
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY (HOT ZONE)	AMBIENT	40	600			0.024	
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600			0.030	
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600			0.030	
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800			0.011	
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	0.006	
09/17/01	LAB3#2	100 GOLD STREET - 9TH FL	AMBIENT	60	900		0.006	0.004	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY ST.	AMBIENT	30	450			0.062	
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675			0.013	
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800			0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 9TH FL.	INDOOR	120	1800		0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350		0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) - PHB	INDOOR	90	1350			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800			0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800			0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	0.007	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350			0.044	
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350			0.030	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450			0.011	
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.018	
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450			0.021	
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.007	0.014	
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.007	0.020	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	LAB 3 #2	WARREN ST & WEST ST	AMBIENT	30	450		0.01	0.030	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.01	0.050	
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVENUE	AMBIENT	30	450		0.01	0.010	
09/19/01	LAB 3 #5	NORTH END & VESEY ST.	AMBIENT	30	450		0.01	0.010	

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950			0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950			0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500			0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350			0.010	11.25
09/12/01		FIELD BLANK	AMBIENT			12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.01	0.220	
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.01	0.100	
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600			0.020	
09/14/01	10914/A003004	CEDAR & TRINITY PL	AMBIENT	39	585			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION(HOT ZONE)	AMBIENT	50	750		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION(HOT ZONE)	AMBIENT	35	525			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450			0.045	
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY ST	AMBIENT	50	750			0.008	
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.(HOT ZONE)	AMBIENT	40	450			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	AMBIENT	30	450			0.076	
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR ST.	AMBIENT	30	450			0.033	
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450			0.030	
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.050	
09/16/01	10916/A307001	BROADWAY & LIBERTY ST.	AMBIENT	35	525			0.010	
09/16/01	10916/A307002	BROADWAY & CEDAR ST.	AMBIENT	40	600			0.030	

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/19/01	10919/A307002	N.END AVE & PARK PL WEST	AMBIENT	45	675			0.050	
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675			0.012	
09/19/01	10919/A307004	SOUTH END AVENUE & ALBANY ST	AMBIENT	45	675			0.013	
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675			0.012	
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675		0.007	<LOQ	