



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Air Sampling Work Sheet
DATARAM - Total Particulate Monitoring
 Lockheed Martin Corp., Edison, NJ
 U.S. EPA Contract No. 68-C99-223

Site: WTC-ERWA#: RIA00236Sampler: RM, BWU.S. EPA/ERTC WAM: SinghviDate: 10/25/01REAC Task Leader: Bradstreet

Location	Stuyv. H.S. L	Pier 25 V-Ball N	TAGA		
Pump #	799162	986809	022375		
Time/Counter (Start)	0923	0929	0915		
Time/Counter (Stop)	1529	1532	1534		
Total Time	6:06	6:04	6:19		
Pump Fault	Y/N	Y/N	Y/N	Y/N	Y/N
Flow Rate	2 L/min	2 L/min	2 L/min	2 L/min	2 L/min
Min/Max (ug/m ³)	040.2 / 068.5 053.1 / 260.8	040.2 / 066.7	040.8 / 068.5		
Average (ug/m ³)	047.6 / 098.2	045.4	047.6		
MET Station on Site?: Y / N.					

(FIELD SCREENING)

Location	Date	Time	Wind Dir.	Tape Meters				Multi-Gas PHD-5					multi Gas C12	TVA-1000	
				COCl ₂	H ₂ SO ₄	HF	HCl	H ₂ S	SO ₂	LEL	O ₂	CO		FID	PID
				ppbv	ppbv	ppbv	ppbv	ppm	ppm	%	%	ppm	ppm	ppm	ppm
A	10/25/01	955	downwind	NA		NA	NA	NA	0.1	0	20.8	5.4	NA	NA	3.1
B	10/25/01	1003	downwind	NA		NA	NA	NA	NA	0	20.8	12	NA	NA	3.0
Loc #2	10/25/01	1008	downwind	NA		NA	NA	NA	0.1	0	20.8	7.3	NA	NA	3.1
C1	10/25/01	1012	CROSS WINDS	NA		NA	NA	NA	NA	0	20.8	3.5	NA	NA	2.2
H	10/25/01	1026	CROSS WINDS	NA		NA	NA	NA	0.2	0	20.9	18	NA	NA	1.8
I	10/25/01	1034	CROSS WINDS	NA		NA	NA	NA	0.2	0	20.8	13	NA	NA	1.5
A	10/25/01	1044	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.9	4.8	NA	NA	0.9
K	10/25/01	1051	CROSS WINDS	NA		NA	NA	NA	0.2	0	20.9	5.1	NA	NA	1.0
T	10/25/01	1085	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.8	15	NA	NA	0.8
V	10/25/01	1109	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.7	1.7	NA	NA	0.4
S	10/25/01	1115	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.7	18	NA	NA	NA
P	10/25/01	1121	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.7	0.5	NA	NA	NA
Loc #1	10/25/01	1127	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.7	0.6	NA	NA	NA
E	10/25/01	1131	CROSS WINDS	NA		NA	NA	NA	0.1	0	20.7	1.4	NA	NA	NA
F	10/25/01	1137	CROSS WINDS	NA		NA	—	NA	0.1	0	20.9	4.7	NA	NA	NA
Q	10/29/01	1140	CROSS WINDS	NA	V	NA	—	NA	NA	0	20.7	5.3	NA	NA	NA

A: GREENWICH + BARCLAY
 B: CHURCH + DEY
 C: CHURCH + LIBERTY
 C-1: BROADWAY + LIBERTY
 D: GREENWICH + LIBERTY
 E: SOUTHEND + LIBERTY
 F: WEST + VESSEY
 H: CHASE PLAZA
 I: BROADWAY + WALL ST.
 J: WEST + WARREN
 K: WEST + ALBANY
 L: STUY. HS. (TREE)
 M: HARRISON (TREE) + N PIER 25
 P: SOUTHEND + ALBANY
 Q: CG COMMAND POST
 1: LIBERTY + WEST
 2: GREENWICH + LIBERTY
 3: PLAZA ACROSS FROM DEY

J	10/25/01	1146	CROSS WINDS	NA		NA	NA	NA	0	20.8	2.8	NA	NA	NA
N	10/25/01	1154	CROSS WINDS	NA		NA	NA	NA	0	20.8	7.8	NA	NA	NA
M1	10/25/01	1200	CROSS WINDS	NA		NA	NA	NA	0	20.9	8.0	NA	NA	NA
L	10/25/01	1203	CROSS WINDS	NA		NA	NA	NA	0	20.9	2.1	NA	NA	NA

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GROUND ZERO TASK FORCE REAL TIME AIR MONITORING
(FIELD SCREENING)

Location	Date	Time	Wind Dir.	Tape Meters				Multi-Gas PHD-5					TVA-1000		
				COCI ₂	H ₂ SO ₄	HNO ₃	HCl	H ₂ S	SO ₂	LEL	O ₂	CO	C12	OVA	
				ppbv	ppbv	ppbv	ppbv	ppm	ppm	%	%	ppm	ppm	ppm	ppm
A	10/25/01	1345	Cross WIND	ND		ND	ND	ND	ND	0	20.8	18	ND	ND	ND
B	10/25/01	1349	Cross WINDS	ND		ND	ND	ND	ND	0	20.7	14	ND	0.1	ND
Loc #2	10/25/01	1352	Cross WINDS	ND		ND	ND	ND	0.3	0	20.8	5.6	ND	0.1	ND
C1	10/25/01	1358	Cross WINDS	ND		ND	ND	ND	0.1	0	20.7	2.3	ND	ND	0.2
(H) ^{Perp. Wind}	10/25/01	1402	Cross WINDS	ND		ND	ND	ND	ND	0	20.9	4.5	ND	ND	ND
I	10/25/01	1405	Cross WINDS	ND		ND	ND	ND	ND	0	20.9	1.3	ND	ND	ND
D	10/25/01	1414	Cross WINDS	ND		ND	ND	ND	0.1	0	20.9	16	ND	ND	0.5
F	10/25/01	1418	Cross WINDS	ND		ND	ND	ND	ND	0	20.8	4.3	ND	ND	ND
T	10/25/01	1425	Cross WINDS	ND		ND	ND	ND	ND	2	20.9	5.4	ND	ND	0.2
V	10/25/01	1429	Cross WINDS	ND		ND	ND	ND	ND	2	20.8	1.4	ND	ND	ND
S	10/25/01	1437	Cross WINDS	ND		ND	ND	ND	ND	0	20.7	4.2	ND	ND	ND
P	10/25/01	1445	Cross WINDS	ND		ND	ND	ND	ND	0	20.7	3.2	ND	0.1	ND
Loc #1	10/25/01	1448	Cross WINDS	ND		ND	ND	ND	ND	0	20.7	2.6	ND	0.2	ND
E	10/25/01	1451	Cross WINDS	ND		ND	-	ND	ND	0	20.8	2.8	ND	1.0	ND
F	10/25/01	1456	Cross WINDS	ND		ND	-	ND	ND	0	20.9	7.5	ND	0.6	ND
Q	10/25/01	1451	Cross WINDS	ND	✓	ND	-	ND	0.1	1	20.9	4.1	ND	0.4	0.3

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10/25/01	1504	Cross WINDS	ND	ND	ND	ND	ND	0	20.9	3.0	ND	0.1	ND
10/25/01	1511	Cross WINDS	ND	ND	ND	ND	ND	0	20.9	6.3	ND	0.2	ND
10/25/01	1518	Cross WINDS	ND	ND	ND	ND	ND	0	20.8	7.3	ND	ND	ND
10/25/01	1530	Cross WINDS	ND	ND	ND	ND	ND	0	20.4	2.3	ND	ND	ND

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