

DRAFT GC/MS Results for 10/27/01 DRAFT

File name	NYC453	NYC454	NYC455	NYC456	NYC457	NYC458
Sample Location	Instrument Blank	Tedlar Bag Blank	Pier 25 North	North Tower	South Tower	Austin Tobin
Sample Number			10086	10085	10087	10088
Sample Height			Breathing Height	Ground Level	Ground Level	Breathing Height
Volume		100 mL	100 mL	20 mL	20 mL	100 mL
Propylene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	19,000 ppbv	5,300 ppbv	RL=20 ppbv
Chlorodifluoromethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	240 ppbv	44 ppbv (J)	RL=20 ppbv
Dichlorodifluoromethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	66 ppbv	RL=50 ppbv	RL=20 ppbv
Dichlorotetrafluoroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Chloromethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	8,900 ppbv	5,200 ppbv	RL=20 ppbv
Vinyl Chloride	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	110 ppbv	RL=50 ppbv	RL=20 ppbv
1,3-Butadiene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Bromomethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	200 ppbv	79 ppbv	RL=20 ppbv
Chloroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	390 ppbv	220 ppbv	RL=20 ppbv
Trichlorofluoromethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Isopropyl Alcohol	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	120 ppbv	110 ppbv	26 ppbv
Acetone	RL=20 ppbv	RL=20 ppbv	27 ppbv	11,000 ppbv	7,100 ppbv	360 ppbv
Trichlorotrifluoroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,1-Dichloroethene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
3-Chloropropene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Methylene Chloride	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	77 ppbv	RL=20 ppbv
MTBE	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
trans-1,2-Dichloroethene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Hexane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	470 ppbv	320 ppbv	RL=20 ppbv
1,1-Dichloroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Vinyl Acetate	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
2-Butanone	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	3,300 ppbv	1,800 ppbv	57 ppbv
cis-1,2-Dichloroethene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Ethyl Acetate	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Chloroform	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	99 ppbv	RL=50 ppbv	RL=20 ppbv
Tetrahydrofuran	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	1,100 ppbv	980 ppbv	21 ppbv
1,1,1-Trichloroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Cyclohexane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Carbon Tetrachloride	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,2-Dichloroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	56 ppbv	RL=50 ppbv	RL=20 ppbv
Benzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	33,000 ppbv	9,100 ppbv	21 ppbv
Heptane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	330 ppbv	220 ppbv	RL=20 ppbv
Trichloroethene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	120 ppbv	RL=50 ppbv	RL=20 ppbv
1,2-Dichloropropane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,4-Dioxane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	190 ppbv	210 ppbv	55 ppbv
Methyl Isobutyl Ketone	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	180 ppbv	98 ppbv	RL=20 ppbv
cis-1,3-Dichloropropene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Toluene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	8,500 ppbv	4,100 ppbv	RL=20 ppbv
trans-1,3-Dichloropropene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,1,2-Trichloroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
2-Hexanone	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	190 ppbv	120 ppbv	RL=20 ppbv
Tetrachloroethene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	120 ppbv	RL=50 ppbv	RL=20 ppbv
Dibromochloromethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,2-Dibromoethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Chlorobenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	640 ppbv	100 ppbv	RL=20 ppbv
Ethylbenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	7,500 ppbv	5,200 ppbv	RL=20 ppbv
m&p-Xylenes	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	510 ppbv	290 ppbv	RL=20 ppbv
O-Xylene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	390 ppbv	250 ppbv	RL=20 ppbv
Styrene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	3,900 ppbv	1,400 ppbv	RL=20 ppbv
Bromoform	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,1,2,2-Tetrachloroethane	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
4-Ethyltoluene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	250 ppbv	210 ppbv	RL=20 ppbv
1,3,5-Trimethylbenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	160 ppbv	120 ppbv	RL=20 ppbv
1,2,4-Trimethylbenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	180 ppbv	120 ppbv	RL=20 ppbv
1,3-Dichlorobenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	95 ppbv	RL=50 ppbv	RL=20 ppbv
1,4-Dichlorobenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Benzyl Chloride	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
1,2-Dichlorobenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	88 ppbv	RL=50 ppbv	RL=20 ppbv
1,2,4-Trichlorobenzene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv
Hexachloro-1,3-Butadiene	RL=20 ppbv	RL=20 ppbv	RL=20 ppbv	RL=50 ppbv	RL=50 ppbv	RL=20 ppbv

**NO QC EVALUATION HAS BEEN PERFORMED,
DATA VALIDITY IS UNSUBSTANTIATED
AND THE DATA SHOULD BE USED
WITH DISCRETION**

CONFIDENTIAL,

CITY_21MC100_003383776

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

DRAFT GC/MS Results for 10/27/01 DRAFT
Tentatively Identified Compounds

File name	NYC453	NYC454	NYC455
Sample Location	Instrument Blank	Tedlar Bag Blank	Pier 25 North, Ambient
Sample Number			10086
Sample Height			breathing
Volume	N/A	100 mL	100 mL
	None	None	none

File name	NYC456	NYC457	NYC458
Sample Location	North Tower	South Tower	Austin Tobin Plaza
Sample Number	10085	10087	10088
Sample Height	Ground	Ground	Breathing Height
Volume	20 mL	20 mL	100 mL
	C4 Alkene 3,800 ppbv	C4 Alkene 1,600 ppbv	Acetonitrile or Isocyanomethane 56 ppbv
	C4 Alkene 1,300 ppbv	Acetaldehyde 550 ppbv	1-Butanol 53 ppbv
	C4 Alkene 590 ppbv	Pentane 1,100 ppbv	
	Pentane 1,600 ppbv	Furan 910 ppbv	
	Furan 4,600 ppbv	Acetonitrile or Isocyanomethane 590 ppbv	
	Acetonitrile or Isocyanomethane 440 ppbv	Acetic acid, methyl ester 1,700 ppbv	
	Acetic acid, methyl ester 730 ppbv	C6 Alkene 440 ppbv	
	Cyclopentene 500 ppbv	2-Methyl furan 2,800 ppbv	
	C6 Alkene 510 ppbv	Methylcyclopentene 380 ppbv	
	2-Methyl furan 13,000 ppbv	1-Chlorobutane 410 ppbv	
	3-Methyl furan 500 ppbv	2,5-Dimethyl furan 410 ppbv	
	Methylcyclopentene 670 ppbv	Alkylated benzene 1,500 ppbv	
	2,5-Dimethyl furan 2,400 ppbv	alpha.-Methylstyrene 650 ppbv	
	unknown hydrocarbon 470 ppbv		
	alkylated benzene 910 ppbv		

**NO QC EVALUATION HAS BEEN PERFORMED,
DATA VALIDITY IS UNSUBSTANTIATED
AND THE DATA SHOULD BE USED
WITH DISCRETION**

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

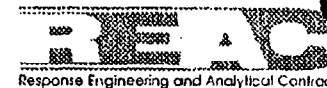
CONFIDENTIAL,

CITY_21MC100_003383777

U.S. Environmental Response
Response Engineering Analytical
GC/MS Air Sampling Work Sheet



Team Center
Contract



Lockheed Martin
EPA Contract No.

Corp., Edison, NJ
68-C99-223

Site: NYC-ER-NJDEP

WA#: RIA0236

Sampler: _____

U.S. EPA/ERTC WAM: _____

Date: _____

REAC Task Leader: J. Bradstreet

File name	NYC 455	NYC 456	NYC 457	NYC
Sample location Comments	Pier 25 North on Hudson River	North Tower	South Tower	Austin Tobin Plaza
Sample Number	10086	10085	10087	10088
Date & Time	10/27/01 @ 10:05	10/27/01 @ 10:35	10/27/01 @ 11:05	10/27/01 @ 11:10
Sampling Media	Tedlar	Tedlar	Tedlar	Tedlar
Sample Height	Breathing	Ground	Ground	Breathing

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

CONFIDENTIAL,

CITY_21MC100_003383778