

April 20, 2006

Michelle Tipple Project Manager Division of Hazardous Waste Remediation, Region III New York State Department of Environmental Conservation 21 South Putt Corners Road New Paltz, NY 12561

Subject: Soil Vapor Investigation Hangar D, Westchester County Airport White Plains, New York Site #360037

Dear Ms. Tipple:

Woodard & Curran, on behalf of ExxonMobil Refining & Supply, completed a soil vapor intrusion investigation for Hangar D, Bay 2 located at the Westchester Country Airport in White Plains, New York. The vapor intrusion investigation was completed at the request of the New York State Department of Health (NYSDOH) and the New York State Department of Environmental Conservation (NYSDEC) to investigate the potential for intrusion of site-related chemicals of concern from subsurface sources to office portions of the hangar through the building slab. This work was proposed pursuant to correspondence between ExxonMobil and their consultant (Woodard & Curran) and the NYSDEC and the NYSDOH between November 2004 and June 2005, a meeting of all parties at the NYSDEC offices in New Paltz, New York on July 19, 2005, and the Vapor Intrusion Investigation Work Plan (Work Plan) dated September 30, 2005 that was approved by the NYSDEC on October 5, 2005, incorporating NYSDOH comments.

The Work Plan was implemented in general accordance with the February 2005 NYSDOH *Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH Draft Guidance). Field tasks for the soil vapor investigation were conducted on February 21 and 22, 2006. The primary chemicals of concern (COCs) for the project (refer to Section 3.1 of the Work Plan) were chlorinated solvents and their breakdown products, including: 1,1,1-Trichloroethane, Tetrachloroethene, Trichloroethene, 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Chloroethane and Vinyl Chloride. This report summarizes the field tasks conducted to implement the Work Plan and presents the results of the soil vapor investigation.

The NYSDEC is administering the Westchester County Airport Hangar D, Bay 2 Site under Article 27, Title 13 of the Environmental Conservation Law of the Sate of New York ("ECL") entitled "Inactive Hazardous Waste Disposal Sites". This program addresses hazardous waste



sites, including sites where the responsible parties have been completing the work with NYSDEC approval.

Work Plan Implementation

Field tasks for the soil vapor investigation were conducted on February 21 and 22, 2006. On February 21, 2006, two permanent soil vapor probes were installed and a building survey was conducted. On February 22, 2006, the sub-slab soil vapor samples were collected and a chemical survey was conducted to identify products in the hangar that could contain the COCs for the sampling program.

Building Survey and Product Review

As indicated in the NYSDOH Draft Guidance, a building survey and product inventory were completed as provided in Appendix A. A site location map and a building plan for Hangar D are included as Figures 1 and 2.

The building survey was completed to evaluate building conditions that could interfere with the collection of representative soil vapor samples. The building survey was conducted using the New York State Department of Health Indoor Air Quality Questionnaire and Building Inventory (Appendix A). Woodard & Curran interviewed Gonzalo Montoya of Landmark Aviation, supervisor for Hangar D1 Bay 2 and Hangar D3 which is also operated by Landmark Aviation, but not part of this study. The survey is provided in Appendix A and summarized below.

- The building construction is slab-on-grade.
- The slab is considered to be intact; cracks in the area of the hangar where planes are located are patched periodically.
- There is a water conduit that runs through the slab in the central part of the hangar. Electrical utilities are above-ground.
- The maintenance (south) side of the office portion of the hangar was recently renovated. The entire area was painted and recarpeted, and new office furniture was added. More recently, new tenants have taken over some of the maintenance-side space. Chemicals, airplane parts, and office supplies were being stored in one workshop. An open stairwell from the workshop ascended into a crawl space, where supplies and boxes were stored. Due to safety concerns, this area was not investigated.
- Cleaned employee clothing was hanging in a large closet and staff did not know whether it had been dry cleaned or cleaned using a different method.
- Pressure gradients through the building are affected if the large hangar door is opened or closed, which generally happens a number of times per day.



- A large number of petroleum-based products are used and stored in the hangar and maintenance area.
- There were odors in the hangar that smelled of petroleum, turpentine and/or kerosene.

Because a hanger escort was not able to join Woodard & Curran on February 21, the product inventory of the workshops in the hangar and in the office areas was conducted on February 22, 2006. Mr. Montoya, who had access to locked chemical cabinets, was to be the escort; however, he was not available on the appointed day. Therefore, the chemical inventory is incomplete as a number of chemical storage lockers and an entire workshop were locked and inaccessible.

The chemical inventory is included in Appendix A. Numerous chemical products stored and used at the hangar, coupled with the presence of new carpeting, paint, furniture and laundry, provided several potential sources of COCs within the hangar building.

Installation of Sampling Points

Sampling point SSV-1 was installed in an office on the "maintenance" (south) side of the office space. The office is the smallest room on the maintenance side. The room is not currently occupied; however, some office equipment remains in the room. In addition to this room, there is an additional larger office with two desks, three workshop areas, a bathroom and a hallway (clean uniform) closet. There are two doors into the hangar from the hallway and one door to a stairwell and foyer area which exits to the outdoors.

Sampling point SSV-2 was installed within a closet from the passenger/pilot (north) portion of the office space. On the day of installation (February 21, 2006), one person (a pilot) used a lounge in the area for approximately one hour. The desk outside of the lounge was staffed by one of two (rotating) customer service representatives throughout the day. (As described in the Work Plan, the point was not installed in the lobby area due to concerns over damaging the marble floor tiles in this area.)

The permanent sub-slab sampling points were installed in the two selected locations in accordance with the NYSDOH Draft Guidance and the soil vapor investigation Work Plan. Each sampling point was installed by pulling back the floor carpeting and drilling a 3-inch diameter hole through the slab of the building and 2 inches into the sub-slab aggregate. The building slab was approximately 4 inches thick, with a brown moist fine to medium grain sand as sub-base. Tubing was extended to the bottom of the hole and the annular space was backfilled with coarse sand. A stainless steel fitting was attached to the tubing and cemented into the hole. The sampling point was completed with a threaded cover installed flush to the floor slab and cemented into place.

Sample Collection and Analysis

Soil vapor samples were collected on February 22, 2006. The outdoor temperature was 34°F and the heating units were operational. Air movement within the hangar shifted during the day,



depending on whether the hangar door was open or closed. The air flow was qualitatively measured when the hangar door was closed, and showed that air was generally flowing into the building through doorways and toward ventilation system ductwork located in the vicinity of sampling points.

Soil vapor samples were collected in Summa canisters equipped with pre-set flow meters. Prior to collecting samples, the sample probes were purged of three times the volume of the sampling point. Soil vapor from sampling point SSV-1 was collected for a period of 3.57 hours while soil vapor from sampling point SSV-2 was collected for a period of 6.85 hours. (Sample durations were a function of the pre-set flow meters integral to the Summa canisters.) Following collection, the canisters were transported to Accutest Laboratories of Dayton, New Jersey, an Environmental Laboratory Approval Program (ELAP) certified analytical laboratory.

Results

The laboratory analytical report for SSV-1 and SSV-2 is included in Appendix B. Results for COCs are summarized on Table 1. 1,1,1-TCA and PCE were the only COCs detected in subsurface soil vapor, and were detected at concentrations below the most stringent soil vapor comparison values presented in the Draft Soil Vapor/Indoor Air Matrix 1 and Matrix 2 of the NYSDOH Draft Guidance.

Detection limits for non-detect COCs were evaluated to confirm that they were appropriate for the investigation. Surrogate concentrations, equal to one half the detection limit, were compared to NYSDOH sub-slab soil vapor comparison criteria. Because sub-slab soil vapor comparison values are not available for 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Chloroethane and Vinyl Chloride, sub-slab comparison values were identified and compared using the following two approaches:

- SSV-1 and SSV-2 surrogate concentrations were compared to the most stringent soil vapor comparison value in Matrices 1 and 2 of the NYSDOH Draft Guidance.
- SSV-1 and SSV-2 surrogate concentrations were also compared to soil vapor concentrations above which no indoor air impact over background would be anticipated to occur (refer to Section 3.2 of the NYSDOH Draft Guidance).

Table 2 presents the comparison of detected and surrogate soil vapor concentrations to sub-slab soil vapor decision criteria. While indoor air samples were not collected due to the potential for indoor sources of COCs, no sub-slab vapor concentrations exceeded chemical-specific 'No Further Action' levels or, if the chemical-specific levels were not available, concentrations met the most stringent 'No Further Action' level of 5 ug/m3.

Table 3 presents the 'background' comparison, which can be used to screen the vapor intrusion pathway. The 'background' sub-slab target vapor concentrations were derived as follows. For non-detect indoor air ranges, one-half the detection limit was used as the surrogate indoor air



value. This value was then multiplied by 20 to estimate the target sub-slab soil vapor concentration. (An adjustment of 20 was used as it represents the lower of the two attenuation factors provided in Decision Matrices 1 and 2 of the NYSDOH Draft Guidance.) As shown on Table 3, *no sub-slab vapor concentrations exceeded the target sub-slab vapor concentrations*.

Conclusions

Only two of the nine identified COCs were detected in sub-slab soil vapor samples. The concentrations of both of these COCs were below the 'No Further Action' target vapor concentrations identified in the NYSDOH Draft Guidance. The detection limits of non-detect COCs were evaluated using two different methods and non-detect levels were also at 'No Further Action' levels. As sampling conditions represented conservative, worst-case conditions (*i.e.*, in the winter during the heating season with falling barometric pressure), Woodard & Curran concludes that no further action be proposed to address soil vapor intrusion to the subject office areas at this time.

On behalf of ExxonMobil Refining & Supply, we again want to express our appreciation for the time and assistance offered by all parties during the development and implementation of this Work Plan and Report. Please contact the undersigned if we can respond to any questions or comments, or you require any additional information.

Sincerely,

Woodard & Curran

John W. O'Neill Project Manager Denise Kmetzo Senior Risk Assessor

Enclosures:	Figure 1: Site Location Map
	Figure 2: Soil Vapor Sample Locations
	Table 1: Soil Vapor Sample Results for Chemicals of Concern
	Table 2: Comparison of Sub-Slab Soil Vapor Results for Chemicals of Concern to
	Decision Matrix Values
	Table 3: Comparison of Sub-Slab Soil Vapor Results for Chemicals of Concern to
	Derived Comparison Values
	Appendix A: Indoor Air Quality Questionnaire and Building Inventory
	Appendix B: Analytical Laboratory Report



copy: B. Callaghan – NYSDOH S. Trifiletti – ExxonMobil M. Parletta – WCA N. Hastings, A. Proctor – Woodard & Curran



FIGURE 1 SITE LOCUS

Hangar D, Westchester County Airport White Plains, New York



TABLE 1Soil Vapor Sample Resultsfor Chemicals of ConcernHangar D, Westchester County Airport

Sample Collection Date: February 22, 2006

Parameters of Potential Concern	Sample Po SSV-1	oint	Sample Po SSV-2	oint
Chloroethane	0.53	U	4.2	U
1,1-Dichloroethane	0.81	U	6.5	U
1,1-Dichloroethylene	0.79	U	6.3	U
cis-1,2-Dichloroethylene	0.79	U	6.3	U
trans-1,2-Dichloroethylene	0.79	U	6.3	U
1,1,1-Trichloroethane	1.1	U	3.2	J
Tetrachloroethylene	1.3	J	33	
Trichloroethylene	1.1	U	8.6	U
Vinyl chloride	0.51	U	4.1	U

Notes:

All results are in micrograms per cubic meter.

 $\mathbf{U} = \mathbf{U} \mathbf{n} \mathbf{d} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{d}$

J = Estimated below the detection limit

TABLE 2

Comparison of Sub-Slab Soil Vapor Results to Decision Matrix Values^{3,4}

for Chemicals of Concern

Hangar D, Westchester County Airport

Sample Collection Date: February 22, 2006

Parameters of Potential Concern	Sample Po SSV-1	oint	Sample Po SSV-2	oint	Sample Point SSV-1 Comparison Value ²	Sample Point SSV-2 Comparison Value ²	Soil Va Comparison	por Values
Chloroethane	0.53	U	4.2	U	0.3	2.1	5	4
1,1-Dichloroethane	0.81	U	6.5	U	0.4	3.3	5	4
1,1-Dichloroethylene	0.79	U	6.3	U	0.4	3.2	5	4
cis-1,2-Dichloroethylene	0.79	U	6.3	U	0.4	3.2	5	4
trans-1,2-Dichloroethylene	0.79	U	6.3	U	0.4	3.2	5	4
1,1,1-Trichloroethane	1.1	U	3.2	J	0.6	3.2	100	3
Tetrachloroethylene	1.3	J	33		1.3	33	100	3
Trichloroethylene	1.1	U	8.6	U	0.6	4.3	5	3
Vinyl chloride	0.51	U	4.1	U	0.3	2.1	5	4

Notes:

1. All results are in micrograms per cubic meter.

2. The SSV-1 and SSV-2 comparison values are equal to the detected concentrations or one-half the detection limits if the sample was non-detect.

3. The soil vapor comparison values represent the lowest 'No Further Action' sub-slab vapor value for the chemical presented in Decision Matrices 1 and 2 of the February 2005 NYSDOH Draft Guidance.

4. In the absence of a chemical-specific value, a value of 5 ug/m3 was used as a default soil vapor comparison value representing the lowest 'No Further Action' sub-slab vapor value in Decision Matrices 1 and 2 of the February 2005 NYSDOH Draft Guidance.

U = Undetected

J = Estimated below the detection limit

TABLE 3 Comparison of Sub-Slab Soil Vapor Results to Derived Comparison Values for Chemicals of Concern Hangar D, Westchester County Airport

Sample Collection Date: February 22, 2006

Parameters of Potential Concern	Sample Po SSV-1	oint	Sample Po SSV-2	oint	Sample Point SSV-1 Comparison Value ²	Sample Point SSV-2 Comparison Value ²	NYSDOH Indoor Air Value ³	Target Soil Vapor Concentration ⁴	Soil Vapor Comparison Values ⁵
Chloroethane	0.53	U	4.2	U	0.265	2.1	NA		NA
1,1-Dichloroethane	0.81	U	6.5	U	0.405	3.25	<0.5	5	5
1,1-Dichloroethylene	0.79	U	6.3	U	0.395	3.15	<1.1	11	11
cis-1,2-Dichloroethylene	0.79	U	6.3	U	0.395	3.15	<1.0	10	10
trans-1,2-Dichloroethylene	0.79	U	6.3	U	0.395	3.15	NA		NA
1,1,1-Trichloroethane	1.1	U	3.2	J	0.55	3.2	11	110	110
Tetrachloroethylene	1.3	J	33		1.3	33	5.9	59	59
Trichloroethylene	1.1	U	8.6	U	0.55	4.3	1.2	12	12
Vinyl chloride	0.51	U	4.1	U	0.255	2.05	<0.9	4.5	4.5

Notes:

1. All results are in micrograms per cubic meter.

2. The SSV-1 and SSV-2 comparison values are equal to the detected concentrations or one-half the detection limits if the sample was non-detect.

3. The NYSDOH background indoor air value is equal to the value selected by NYSDOH from the EPA BASE Data to represent background indoor air concentrations in offices with no known source of Volatile Organic Compounds or VOCs (February 2005 NYSDOH Draft Guidance).

4. The soil vapor values were estimated from the NYSDOH background indoor air values as follows: For non-detect indoor air ranges, one-half the detection limit was used as the surrogate indoor air value. This value was multiplied by 20 and the resulting soil vapor value is presented. A value of 20 was used for attenuation representing the lower of the two attenuation factors provided in Decision Matrices 1 and 2 of the February 2005 NYSDOH Draft Guidance.

5. The Comparison Value is equal to the derived soil vapor comparison value based on indoor air background levels.

NA = Not Available

U = Undetected

J = Estimated below the detection limit

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NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Dehise Kmetzo Date/Time Prepared 2/21/06 10 au
Preparer's Affiliation Dodal + (Wan Phone No. 781-251-0200
Purpose of Investigation to support soil vapor Sampling evaluation
1. OCCUPANT:
Interviewed: Y/N Supervisor, Hangar DI Bays 2, D3
Last Name: Martoya First Name: Gonzalo
Address: 164 Airport Road, White Nous, NY
County: West-drester
Home Phone: Office Phone: Q14-761-3201
Number of Occupants/persons at this location $\underline{30}$ Age of Occupants <u>adults</u>
2. OWNER OR LANDLORD: (Check if same as occupant)
Interviewed: Y/N Country of West-chester
Last Name: First Name:
Address:
County:
Home Phone: Office Phone:
3. BUILDING CHARACTERISTICS
Type of Building: (Circle appropriate response)
Residential School Commercial/Multi-use Industrial Church Other: <u>Airplanz Haugar</u>

2

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family									
Raised Ranch	Split Level	Colonial									
Cape Cod	Contemporary	Mobile Home									
Duplex	Apartment House	Townhouses/Condos									
Modular	Log Home	Other:									
If multiple units, how many	?										
If the property is commerci	al, type?										
Business Type(s)	Business Type(s) Airplane hanger, Officer, lounge										
Does it include residence	es (i.e., multi-use)? Y	N If yes, how many?									
Other characteristics:											
Number of floors 2	Bui	ilding age 1930 5	and the second								
Is the building insulated?	Y/N How	w air tight? Tight / Average / Not Tig	, ght								

4. AIRFLOW

а *В*

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors air flood is not flowing in our obvious upward or doundard floor. Near the front door, smoke is flowing up Motin Jatuelli the top of the stairs, an elow is slightly stail. dan the At the stairs

Airflow near source

air flau	is rever	illy calm	in The	doorway to	The closet	(ssu-2)
Then is	6 Wicht	auplan	into the	e hallway	Aneri the	e
office (ssv-().	0		/	V	

Outdoor air infiltration

and in infiltrating	twough the f	nont deer	towards.	the
derk 1518V-2. Hir is	il Floating u	into the blo	les frian	the wit
at the end of the hall y	Irim SCU-1.		0 0	÷

Infiltration into air ducts

Infiltration	into an	r ducts		dault	LA.					
indoor	air	15 1	Wilta	this w	to the	air	vents	in the	dhill whe	u
SSU-1	is 10	cated	- Ind	loor arb	is fl	ouiva	into a	the duct	work above	e the
Linwai	1 br	Firely	the	apericipo	lang	e and	Curri	- WAI	SSV-2	
	1 0	6		ų į	ð		10			

		3			V- De
5.	BASEMENT AND CONSTRUCT	FION CHARA	CTERISTICS ((Circle all that ap	ply)
	a. Above grade construction:	wood frame (concrete	stone	brick Provide 20th But
	b. Basement type:	full	crawlspace	slab	other
	c. Basement floor:	concrete	dirt	stone	other vingladusit
	d. Basement floor:	uncovered	covered	covered with <u>[]</u>	varble, carpeting, tikes
	e. Concrete floor:	unsealed	sealed	sealed with	
	f. Foundation walls:	poured	block	stone	other
	g. Foundation walls:	unsealed	sealed - Stu	sealed with	
	h. The basement is:	wet	damp	dry	moldy
	i. The basement is:	finished	unfinished	partially finishe	ed
	j. Sump present?	Y/N			
	k. Water in sump? Y / N /	not applicable			•
Ba	sement/Lowest level depth below g	rade: <u>0.5</u>	(feet)		
Ide	entify potential soil vapor entry point while the ports (in hack	ints and approx	kimate size (e.g.,	cracks, utility	ports, drains)

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

steam	Hot air circulation Space Heaters Electric baseboard	Heat pu Stream Wood s	ump radiation stove	Hot water baseboard Radiant floor Outdoor wood boiler	Other	
The	primary type of fuel us	sed is:				
	Natural Gas Electric Wood	Fuel O Propan Coal	й е	Kerosene Solar		
Dom	estic hot water tank fu	eled by: <u>elec</u>	xrie		al	lin
Boile	er/furnace located in:	Basement	Outdoors	Main Floor	Other	Bay 2,
Air c	onditioning:	Central Air	Window units	Open Windows	None	Nevdoor 2

2

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	4	L'aut alle	
Are there air	r distribution ducts present? YN	not very insulated state	
Describe the there is a col diagram.	e supply and cold air return ductwork, and it ld air return and the tightness of duct joints. (WB - SMall)	ts condition where visible, including whether Indicate the locations on the floor plan	
	2 outsile, lor 2 on le	sw 106t	
	attic	6 binge area	
_duite	rate salace drop cuiling splits	from intake	
7. OCCUP	ANCY	760, 5 pm - D5: 30 au 5:20-2 12-8 2-10	
Is basement	/lowest level occupied? Full-time Oc	ccasionally Seldom Almost Never	
Level	General Use of Each Floor (e.g., familyr	<u>oom, bedroom, laundry, workshop, storage)</u>	à
Basement			-
1 st Floor	offices, lovinger. Mitchey	alstronn, haugar	5394 I
2 nd Floor	offices (commercial), but	NOUNS	ine e
3 rd Floor			-
4 th Floor			2
8. FACTOR	RS THAT MAY INFLUENCE INDOOR AII	RQUALITY	r-Normal
a. Is there	an attached garage?	Q/N	
b. Does th	e garage have a separate heating unit?	Ŷ/N/NA	1,
c. Are pet stored i	roleum-powered machines or vehicles n the garage (e.g., lawnmower, atv, car)	Y) N/NA Please specify ardance, vehicles)
d. Has the	e building ever had a fire?	Y/N When?	
e. Is a ker	osene or unvented gas space heater present?	Y (N) Where?	
f. Is there	a workshop or hobby/craft area?	YN Where & Type? hangar, k	
g. Is there	smoking in the building?	Y/N How frequently?	
h. Have cl	eaning products been used recently?	\sqrt{N} When & Type?	
i. Have co	smetic products been used recently?	Y/N When & Type?	

5	20155
j. Has painting/staining been done in the last 6 months?	(Y) N Where & When? OFFice side the First star
k. Is there new carpet, drapes or other textiles?	(V/N Where & When? chairs rug all redouce
l. Have air fresheners been used recently?	(Y)N When & Type? bathrow, acrubi cans
m. Is there a kitchen exhaust fan?	Y N If yes, where vented?
n. Is there a bathroom exhaust fan? -) NO (aU	Y / N If yes, where vented?
o. Is there a clothes dryer?	(Y) N If yes, is it vented outside? Y/N into hangar
p. Has there been a pesticide application?	Y / N When & Type?
Are there odors in the building? If yes, please describe: <u>IXhaust From a</u>	Q/N irwafti
Do any of the building occupants use solvents at work? (e.g., chemical manufacturing or laboratory, auto mechanic or boiler mechanic, pesticide application, cosmetologist	ON auto body shop, painting, fuel oil delivery,
If yes, what types of solvents are used? <u>minural spir</u>	1+5
If yes, are their clothes washed at work?	Y /N
Do any of the building occupants regularly use or work at a response) Upen(, clothels, wifeims, she Yes, use dry-cleaning regularly (weekly)	a dry-cleaning service? (Circle appropriate ts - dul / Ulree / Week Dr Mre of the , (No)
Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service	Unknown
Is there a radon mitigation system for the building/structur Is the system active or passive? Active/Passive	re? Y / N Date of Installation:
9. WATER AND SEWAGE	
Water Supply: (Public Water Drilled Well Drive	n Well Dug Well Other:
Sewage Disposal: Public Sewer Septic Tank Leach	n Field Dry Well Other:
10. RELOCATION INFORMATION (for oil spill residenti	al emergency)
a. Provide reasons why relocation is recommended:	
b. Residents choose to: remain in home relocate to fr	iends/family relocate to hotel/motel
c. Responsibility for costs associated with reimburseme	nt explained? Y / N
d. Relocation package provided and explained to reside	ents? Y / N

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13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition [*]	Chemical Ingredients	Field Instrument Reading (units)	Photo ** <u>Y / N</u>
starage Itan	FOYCO 756 A hindranei (Floid (3)	1 gal	06	patrileur oit		Ч
	Thrown Jetoil 254	que	UD			9
	Acopshille furthing on y	4 gon	1 27			
	Skydni Aviash, Auro	quart	VU			
	sydrol 500-B4	gel	C	· · · · · · · · · · · · · · · · · · ·	at.	$\overline{\mathbf{A}}$
	only Frid with		U	? - rag an top smille it		1
	Turbo oil 2380 - HP	1000C 24-60a	ite UU	V		
	Davies TKS-Floid	2.5g	e V0	ethylene glycol		
\$	λ.		υ	11 - the a sprayer		
stange round (1 gal	U	methy alcohol		
flanuval	le TKS-Fluid	2.59	d U	ethylene glycol	U	
Calsinet	arrive magnolia blue hayou	2 gal	VO	?		
t	Pourco 756A	1 gal	U			
Willing Sch	Hoar Can of paint	ligel	U. (a 1146)	acrylic (valepan walls to		N
office	where samitizing mikes	shut	V	alley Limethy bengy annun	en en	N
workshop	GE RTV 102	9-2802	U	6		V
\$	bp turbe ail 2380	case	U			
	UPS No Plash NU Precision Contact Chapter	1502	U	terra Fluoro ethane. bronuppppan alcuhol, ethurs, minoalkane:	k,	

* Describe the condition of the product containers as **Unopened (UO)**, Used (U), or **Deteriorated (D)** * Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

BTSA\Sections\SIS\Oil Spills\Guidance Docs\Aiproto4.doc

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** <u>Y / N</u>
front corner	Aeroshell Oil W80					Y
:	SUMP Fuel					Ý
	Mineral Spirits					4
	Parts Washer Hid			1		P
A	VIL DILE Flack 19	þ	eupty	diethylane glycoi		2
	F511 Diegne					
ann ann an tha an tha ann an tha ann an tha	part, turbo al,	Naph	Hora			2
				5		
				جور		
					۵	
	ь. 					
		-				

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D)

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

Location Product Description Size (units) Condition' Chemical Ingredients Field Instrument Reading (units) Photo Y/N stocage mon L a true in build container a true in a true		Ail	n anithing, TA	G				
store of an and the contension of a provide to be your 2 of two in the price of the and the two with and the two two and 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N T sopreprint a contension 2402 U oralic acid + others N a contension and the contension 2402 U oralic acid + others N T matter a contension of the significant of the print of the significant of the signi		Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** <u>Y / N</u>
Image: An and the second of		storage room 2	on labelled centuries	Jul	ke. V	7 of plants to be		Y
Isopropyl aladiol 1 gal U isopropuol Girphan chellology Girphan chellology U U Girphan chellology Mark OO U Girphan chellology Mark Mark Mark Girphan chellology Mark Mark Mark Mark Mark Mar			Mother whee mist	2402	U	oxali'l acit + others		Ν
u 522 00 ii Girphane uthelloppe Girphane uthelloppe Girphane uthelloppe Stormalty un alcohols, MEK, alk, synthetic accuft hydracelic field, MEK, Stormalty un Solob Mydraclic Puttre parts werker Gulla TCP U Hubble for a synthetic field Hubble for accuft hydracelic field, MEK, Puttre parts werker Gulla TCP U Hubble for a synthetic field U TCP Iccussion, twpnine Hubble for a synthetic field Iccussion, twpnine TCP Iccussion, twpnine Hubble for a synthetic field Iccussion, twpnine TAG1 Sup fincel TRG3 UO Party direct Iccussion Party direct Iccussion TRG3 UO Party direct Iccussion CPC haussion lataet cleane Iccussion US 2 and 3 Iccussion			Isopropyl alcohol	1 gai	e U	i supropour l		
airplane utilitélitére, mention un alcohols, MER all synthetic accredit hydraellic Filie, MER, stormalize in Stolle - Mydraellic Filie accredit hydraellic Filie, MER, parts welter gula U - De Mark from Ala Publice parts welter gula - TPA - Hydraellic Ful - Zee streak-outbo - 1602 - TAG1 Sup Fruel - Jet 0/254 - E UO - TAG2 Locked - TAG3 WD-40 3 - Perst glan closure 12 - CFC fraision entact clane - US 2 and 3			U	5 gal	00	i. i.		
mention in al colids, MEK alk sympthetic according hydraelic field, MER, St Manufalian Stolls - Mydraelic Fluid, engine oil - D Mark Jun bin Publice parts weather you U conserve, two publice two and 3387 EPP hydraelic fuel Zee streak-out to 1602 TAGI Sum Fruel Jet oil 254 1600 TAGI Locked TAGI UD-40 3 PRIST glass cloves 122 CRC havision contact clowe US 2 and 3			airplane wheels/fires					
Stillmalty on Stolls - Mydraelie Fluid, engine oil - D Mark from Ahr Putter parts weether giller U schosche, twpretie twisser 12388 FPA hydraelie Freel 2ex streak-outto 1602 TAG1 Sup Freel Jet oil 254 1602 TAG3 WD-40 3 PRIST glass cloner 102 CRC Praision Contact Clane US 2 and 3	huel	they by	alcohols, MEK	al	C. Smith	et accrubt hydraelic	Fulit, M	FR,
Putther Parts wellher Wo V Picchosche, turputive Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3380 Image: Auto 01'1 3080 Image: Auto 01'1 25'1 Image: Auto 01'1 1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'	St	marty	Am 5606 - Madrael	IĈ I	fluid, e	ngine oil - DMark,	hun the	
Image: Autor of 1 2380 Image: Autor of 1 254 Image: Autor of 1 254 <td>Factor 7</td> <td>putite</td> <td>parts washer</td> <td>40</td> <td>U</td> <td>Viccoscue, topactive</td> <td>V</td> <td></td>	Factor 7	putite	parts washer	40	U	Viccoscue, topactive	V	
IFPA Image: Streak-out to 1602 TAGI SWD Friel <			Justo 011 2388	0				
hydraili'i fuil Zep streak-outto 1602 TAG1 SUM Friel Jet 0i1254 187 UU TAG2 locked TAG3 UD-40 3 PRIST glass classes CFC Areision Catact Cleaner UB 2 and 3			FPA					
Zep stredk-out40 1602 TAG1 SWM Fruel Jet 0i1254 1602 TAG2 1004ed TAG3 ND-40 PRIST glass classes 12 CPC Precision Contact cleaner 12 UB 2 and 3 12			hydraclic ful	1		· · ·	ж 2	
TAG1 Sum Fruel Jet 0il 254 1000 TAG2 locked TAG3 WD-40 B WD-40 CPC Bracision Contact Clemer UB 2 and 3			Zep streak-out 40	-1602	-			
Jet 01254 100 TAG 2 1000000 TAG 3 WD-40 TAG 3 WD-40 PRIST glass clement 02 CPC Precision Contact clement 02 US 2 ml 3 0	200 0000	TAG1	sim friel					
TRGZ locked			Jet 01/254	100	VU			
TAG3 WD-40 3 PPIST glass classes 12 CFC Precision Contact Cleaner 12 UBS 2 and 3 1		TAG 2	lowed					
CRC Precision Contact Cleaner LPS 2 and 3		TAG3	WD-40	3				
LPS 2 and 3		· •	PRIST glass classes	12				
LPS 2 and 3			CPC Precision Contact Cleane	r				
			LB2 and 3					

Thus thigh Strength Who cent /* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D) ** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

West put thubity naviver point enamine ? Minurous payremover sporay manuel payremover sporay manuel West



ExxonMobil Refining & Supply Company
White Plains, New York

White Plains, New York	
Date: $\frac{1}{22/Cl}$ Time: $\frac{0905}{Weather:$	
Sampling Team: T. Pitterle + I. Rattiram (ROVA) Sampling Location: <u>SSV-1</u> Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present) Adjacent to chemical storage workshop (i.e. oil, etc will attach full sheet later) also adjacent to I other workshops (I is a stockroom at I is licked), allo ft from the active hanger inside on seld office space hatticem across the half, intake vents inside the sampling office, is I auteded in Font of office a 20 ft, new carp Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at a chemical and a new disposable tip is present at a solow of the space of the spa	esting
the end of the rods. $ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c}$	so Inlo s ago; g heate- hing
Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg Is the Summa Canister Certified Clean and within the proper holding time ? \bigcirc / N Starting Pressure: 28^{-} in. of Hg Starting Time: 28^{-} in. of Hg Ending Time: 28^{-} in. of Hg Summa Canister Identification #: $\frac{1307}{1200}$ in. of Hg Summa Canister Identification #: $\frac{1207}{1200}$ in. of Hg Sample ID # $\frac{55\sqrt{-1}}{15}$ Time $\frac{1307}{1000}$	

Date:	2/22/06	Time:	0820	-		
Weather :	34° Chigh of 4	4 sunny e	clear stills			
,	Temperature:	17F1-3C	Humidity	-74010	- alach	
No. 1	/vind Magnitude:	Carm Omp	w Wind Direction	_ Calm / O	- NOTTA	
Baro	metric Pressure: 3	0.08 11/10181	haraning Rising	1		
Sampling Team:	T. Pitterte &	I. Ratherar	n (Rous)			
Sampling Location:	551-2					
ite Condition (i.e. any a	idjacent questiona	ble facilities, v	vent pipes, tank	s, etc. and what	type of basem	ents are present)
Sompling location	n NIO FT,	For active	a hangar,	inside el	eset near	high
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right next do	ar possibili	ty of ne	earby class	11 space ~	8 FF ANI	ey, old
caracting; but	ding heaters	epicating	Jacobian and the second s			genergen erkenen en bestel en el en beine mar et al biskerindet om et al biskerindet.
Prior to commencing the	GeoProbe activity,	ensure that all the	he rods were pro	perly deconed ar	nd a new dispos	able tip is present at
		the e	end of the rods.			
		Calibrate the	Halium detection	motor		
Litility Cleara	aca Completed:		Checked stan	melei Saharaka ad	WEA empley	nes prior to doithis
Cunty Cleara	amnling Denth		foot below land s	urface		
Sealed at land surf:	ampling Deput.	<u> </u>		Junace		
Ocaleu at lallu Sulla	Purge Rate	0.1863	Must he less tha	n 0 2 I /min		
0844	Purge Time:	30 Acres	note · Assuming	0 17" ID tubing	purge 15 sec. fe	or every 10 ft of tubing
Helium Raf	e at enclosure:	X 10-1	, noto : / tobulining	o	pargo to coo. I	
Helium Rate from	sample tubing: 7	X 10-4	Is this rate <20%	of the rate at the	e enclosure	(ŵ/n
						Ŭ
If the Helium readings	have a greater ratio	than 20% the	seals should be r	echecked and th	e tracer gas sho	ould be reapplied.
•						
nce the tracer gas scree	ning procedures ar	e completed and	d no short-circuiti	ng is determined	to be present a	t the location the soil
vapor sam	ple can be collecte	d in a lab certifi	ed clean summa	canister at a rate	less than 0.2 L	/min.
	Finis	ning pressure s	hould be within 0	.5 - 4 " of Hg		
la tha Oursea Oasistaa C			a haldina tiraa O	Qu		
is the Summa Canister C	vertified Clean and V	vitnin the prope	er nolaing time?	<u>U</u> N		
	Start	ing Pressure:	730	in of Ha		
	Cuil (starting Time:	0855			
		Ending Time:	1546	-		
	End	ing Pressure:	- 5	in. of Hg		
			A c. C			11000
S	umma Canister Id	entification #:	H643 Ca	taking # 2410	1621 / Seri	al 6250
	Flow F	legulator ID #	FC174	- mar	· rali	
	٢	Sample ID #	<u>JSV-2</u>	- Time	1346	
		Analysis	10-15			
		Analysis_	10.0			

WOODARD & CURRAN CLIENT _ Engineering · Science · Operations PROJECT DATE DESIGNED BY 980 WASHINGTON STREET, SUITE 325N DEDHAM, MASSACHUSETTS 02026 DATE CHECKED BY 781-251-0200 • 1-800-446-5518 SHEET NO. OF PROJECT NO. FAX 781-251-0847 planes in hanger at the of twentory 2 abor agar often (broken) 5 or yeinudur candmant miveral giAs (J.2.D) cavt di 1 mileral spitts, sup fei. petuleun D- deausny cart 4 locked 2 · Yan 3 Opiet railing gray campet all carts lacked 4 two cherts Mon Flomachie Calentete (yeluw 2-98 H-918 Monnaisle achiet gray cabiniets G F ges cilmeder hose A Trullies that durit 8 parts Weder. -- chest - turbe oil snowlying jacks Falling chest / cabilit 516-1 printe magnetic Poly Glile, 1 yal, Ogen, Lysol Deckinging deaner - open S.C. Zysol Dicalinging un... Thetfind Aqua-Kem 32 02 tuditoxics ANN AND in the second -beverage refreguete water lago T Sink = doa-Pira Cingnenian Systim Ligdlan Chlorage m Sprig + wath Dung







03/27/06

Technical Report for

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Woodard & Curran

ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY

PO#4505926268 WBS#08

Accutest Job Number: J23256

Sampling Date: 02/22/06

Report to:

Woodard & Curran

joneill@woodardcurran.com

ATTN: Jake ONeill

Total number of pages in report: 15



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.



President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.





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Sample Summary

Woodard & Curran

J23256

Job No: ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY Project No: PO#4505926268 WBS#08

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
J23256-1	02/22/06	11:55 TPIR	02/23/06	AIR Air	SVE INFLUENT
J23256-2	02/22/06	12:05 TPIR	02/23/06	AIR Air	SVE EFFLUENT
J23256-3	02/22/06	15:46 TPIR	02/23/06	AIR Air	SSV-2
J23256-4	02/22/06	13:07 TPIR	02/23/06	AIR Air	SSV-1





Sample Results

Report of Analysis



Client Sample ID: Lab Sample ID: Matrix: Method: Project:		SVE INFLUENT J23256-1 AIR - Air Sun TO-15 ExxonMobil Term	Date Sampled: 02/22/06 Date Received: 02/23/06 Percent Solids: n/a Westchester Airport, White Plains				NY			
Run #1 Run #2	File ID 2W6733	DF 3.D 8	Analyzed 02/24/06	By WG	Prep n/a	Date	F n	Prep Batch n/a	Analytical Batch V2W296	
Run #1 Run #2	Initial V 400 ml	Volume								
CAS No.	MW	Compound		Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone		ND	1.6	ppbv		ND	3.8	ug/m3
106-99-0	54.09	1,3-Butadiene		ND	1.6	ppbv		ND	3.5	ug/m3
71-43-2	78.11	Benzene		0.47	1.6	ppbv	J	1.5	5.1	ug/m3
75-27-4	163.8	Bromodichlorome	ethane	ND	1.6	ppbv		ND	11	ug/m3
75-25-2	252.8	Bromoform		ND	1.6	ppbv		ND	17	ug/m3
74-83-9	94.94	Bromomethane		ND	1.6	ppbv		ND	6.2	ug/m3
593-60-2	106.9	Bromoethene		ND	1.6	ppbv		ND	7.0	ug/m3
100-44-7	126	Benzyl Chloride		ND	1.6	ppbv		ND	8.2	ug/m3
75-15-0	76.14	Carbon disulfide		ND	1.6	ppbv		ND	5.0	ug/m3
108-90-7	112.6	Chlorobenzene		ND	1.6	ppbv		ND	7.4	ug/m3
75-00-3	64.52	Chloroethane		1.9	1.6	ppbv		5.0	4.2	ug/m3
67-66-3	119.4	Chloroform		ND	1.6	ppbv		ND	7.8	ug/m3
74-87-3	50.49	Chloromethane		ND	1.6	ppbv		ND	3.3	ug/m3
107-05-1	76.53	3-Chloropropene		ND	1.6	ppbv		ND	5.0	ug/m3
95-49-8	126.6	2-Chlorotoluene		ND	1.6	ppbv		ND	8.3	ug/m3
56-23-5	153.8	Carbon tetrachlor	ide	ND	1.6	ppbv		ND	10	ug/m3
110-82-7	84.16	Cyclohexane		ND	1.6	ppbv		ND	5.5	ug/m3
75-34-3	98.96	1,1-Dichloroethau	ıe	35.9	1.6	ppbv		145	6.5	ug/m3
75-35-4	96.94	1,1-Dichloroethy	ene	4.4	1.6	ppbv		17	6.3	ug/m3
106-93-4	187.9	1,2-Dibromoetha	10	ND	1.6	ppbv		ND	12	ug/m3
107-06-2	98.96	1,2-Dichloroetha	1e	ND	1.6	ppbv		ND	6.5	ug/m3
78-87-5	113	1,2-Dichloroprop	ane	ND	1.6	ppbv		ND	7.4	ug/m3
123-91-1	88	1,4-Dioxane		ND	1.6	ppbv		ND	5.8	ug/m3
75-71-8	120.9	Dichlorodifluoror	nethane	ND	1.6	ppbv		ND	7.9	ug/m3
124-48-1	208.3	Dibromochlorom	ethane	ND	1.6	ppbv		ND	14	ug/m3
156-60-5	96.94	trans-1.2-Dichlor	oethvlene	ND	1.6	ppbv		ND	6.3	ug/m3
156-59-2	96.94	cis-1,2-Dichloroe	thylene	14.9	1.6	ppbv		59.1	6.3	ug/m3
10061-01-5	111	cis-1,3-Dichloron	ropene	ND	1.6	ppbv		ND	7.3	ug/m3
541-73-1	147	m-Dichlorobenze	ne	ND	1.6	ppbv		ND	9.6	ug/m3
95-50-1	147	o-Dichlorobenzen	e	ND	1.6	ppbv		ND	9.6	ug/m3
106-46-7	147	p-Dichlorobenzen	e	ND	1.6	ppbv		ND	9.6	ug/m3
10061-02-6	111	trans-1,3-Dichlor	opropene	ND	1.6	ppbv		ND	7.3	ug/m3
						11				U

Report of Analysis

Page 1 of 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

N



Client Samp	le ID:	SVE INFLUENT						
Lab Sample	ID:	J23256-1		Date	Sampled:	02/22/06		
Matrix:		AIR - Air Summa ID: A3	322	Date	Received:	02/23/06		
Method:		TO-15		Perc	ent Solids:	n/a		
Project:		ExxonMobil Terminal Orphin	, Hanger D,	Westches	ter Airport,	White Plains	s, NY	
CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
64-17-5	46	Ethanol	ND	4.0	ppbv	ND	7.5	ug/m3
100-41-4	106.2	Ethylbenzene	ND	1.6	ppbv	ND	6.9	ug/m3
141-78-6	88	Ethyl Acetate	ND	1.6	ppbv	ND	5.8	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	1.6	ppbv	ND	7.9	ug/m3
76-13-1	187.4	Freon 113	ND	1.6	ppbv	ND	12	ug/m3
76-14-2	170.9	Freon 114	ND	1.6	ppbv	ND	11	ug/m3
142-82-5	100.2	Heptane	1.3	1.6	ppbv J	5.3	6.6	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.6	ppbv	ND	17	ug/m3
110-54-3	86.17	Hexane	ND	1.6	ppbv	ND	5.6	ug/m3
591-78-6	100	2-Hexanone	ND	1.6	ppbv	ND	6.5	ug/m3
67-63-0	60	Isopropyl Alcohol	3.9	1.6	ppbv	9.6	3.9	ug/m3
75-09-2	84.94	Methylene chloride	ND	1.6	ppbv	ND	5.6	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	1.6	ppbv	ND	4.7	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.6	ppbv	ND	6.6	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.6	ppbv	ND	5.8	ug/m3
115-07-1	42	Propylene	ND	4.0	ppbv	ND	6.9	ug/m3
100-42-5	104.1	Styrene	ND	1.6	ppbv	ND	6.8	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	140	1.6	ppbv	764	8.7	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	1.6	ppbv	ND	11	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	1.6	ppbv	ND	8.7	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.6	ppbv	ND	12	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.3	1.6	ppbv J	6.4	7.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	1.6	ppbv	ND	7.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.6	ppbv	ND	7.5	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	1.6	ppbv	ND	4.9	ug/m3
127-18-4	165.8	Tetrachloroethylene	62.9	1.6	ppbv	427	11	ug/m3
109-99-9	72	Tetrahydrofuran	ND	1.6	ppbv	ND	4.7	ug/m3
108-88-3	92.14	Toluene	1.5	1.6	ppbv J	5.7	6.0	ug/m3
79-01-6	131.4	Trichloroethylene	6.2	1.6	ppbv	33	8.6	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.6	ppbv	ND	9.0	ug/m3
75-01-4	62.5	Vinyl chloride	ND	1.6	ppbv	ND	4.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	1.6	ppbv	ND	5.6	ug/m3
	106.2	m,p-Xylene	0.89	1.6	ppbv J	3.9	6.9	ug/m3
95-47-6	106.2	o-Xylene	0.41	1.6	ppbv J	1.8	6.9	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	1.6	ppbv J	5.6	6.9	ug/m3
CAS No.	Surrog	gate Recoveries Run#	1 Run#	ŧ2 Li	mits			
460-00-4	4-Bron	nofluorobenzene 104%		78	-124%			

Report of Analysis

Page 2 of 2

ND = Not detected

RL = Reporting LimitE = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



Client Sam Lab Sampl Matrix: Method: Project:	ple ID: e ID:	SVE EFFLUENT J23256-2 AIR - Air Summa ID: TO-15 ExxonMobil Terminal Orpl	A375 nin, Hanger D	Date Date Perc , Westches	e Sampled: e Received: cent Solids: ter Airport, V	02/22/06 02/23/06 n/a White Plains,	NY	
Run #1 Run #2	File ID 2W6734	DF Analy 4.D 8 02/24/	zed By /06 WG	Prep n/a	Date H n	Prep Batch n/a	Anal V2W	ytical Batch 296
Run #1 Run #2	Initial V 400 ml	Volume						
CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	1.6	ppby	ND	3.8	ug/m3
106-99-0	54.09	1.3-Butadiene	ND	1.6	ppbv	ND	3.5	ug/m3
71-43-2	78.11	Benzene	ND	1.6	ppbv	ND	5.1	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.6	ppbv	ND	11	ug/m3
75-25-2	252.8	Bromoform	ND	1.6	ppbv	ND	17	ug/m3
74-83-9	94.94	Bromomethane	ND	1.6	ppbv	ND	6.2	ug/m3
593-60-2	106.9	Bromoethene	ND	1.6	ppbv	ND	7.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.6	ppbv	ND	8.2	ug/m3
75-15-0	76.14	Carbon disulfide	ND	1.6	ppbv	ND	5.0	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.6	ppbv	ND	7.4	ug/m3
75-00-3	64.52	Chloroethane	ND	1.6	ppbv	ND	4.2	ug/m3
67-66-3	119.4	Chloroform	ND	1.6	ppbv	ND	7.8	ug/m3
74-87-3	50.49	Chloromethane	ND	1.6	ppbv	ND	3.3	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.6	ppbv	ND	5.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.6	ppbv	ND	8.3	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	1.6	ppbv	ND	10	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.6	ppbv	ND	5.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	2.8	1.6	ppbv	11	6.5	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	1.0	1.6	ppbv J	4.0	6.3	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	1.6	ppbv	ND	12	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	1.6	ppbv	ND	6.5	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.6	ppbv	ND	7.4	ug/m3
123-91-1	88	1,4-Dioxane	ND	1.6	ppbv	ND	5.8	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	1.6	ppbv	ND	7.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.6	ppbv	ND	14	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	e ND	1.6	ppbv	ND	6.3	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	1.6	ppbv	ND	6.3	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.6	ppbv	ND	7.3	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.6	ppbv	ND	9.6	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	1.6	ppbv	ND	9.6	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.6	ppbv	ND	9.6	ug/m3

ND

1.6

Report of Analysis

Page 1 of 2

ND = Not detected

10061-02-6 111

RL = Reporting Limit

E = Indicates value exceeds calibration range

trans-1,3-Dichloropropene

J = Indicates an estimated value

ppbv

B = Indicates analyte found in associated method blank

7.3

N = Indicates presumptive evidence of a compound

ND



ug/m3

Client Samr	le ID:	SVE EFFLUENT						
Lab Sample	ID:	J23256-2		Date	e Sampled:	02/22/06		
Matrix:		AIR - Air Summa ID: A3	75	Date	e Received:	02/23/06		
Method:		TO-15		Perc	ent Solids:	n/a		
Project:		ExxonMobil Terminal Orphin,	Hanger D,	Westches	ter Airport, V	White Plains	s, NY	
CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
64-17-5	46	Ethanol	ND	4.0	ppbv	ND	7.5	ug/m3
100-41-4	106.2	Ethylbenzene	ND	1.6	ppbv	ND	6.9	ug/m3
141-78-6	88	Ethyl Acetate	ND	1.6	ppbv	ND	5.8	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	1.6	ppbv	ND	7.9	ug/m3
76-13-1	187.4	Freon 113	ND	1.6	ppbv	ND	12	ug/m3
76-14-2	170.9	Freon 114	ND	1.6	ppbv	ND	11	ug/m3
142-82-5	100.2	Heptane	ND	1.6	ppbv	ND	6.6	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.6	ppbv	ND	17	ug/m3
110-54-3	86.17	Hexane	ND	1.6	ppbv	ND	5.6	ug/m3
591-78-6	100	2-Hexanone	ND	1.6	ppbv	ND	6.5	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	1.6	ppbv	ND	3.9	ug/m3
75-09-2	84.94	Methylene chloride	ND	1.6	ppbv	ND	5.6	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	1.6	ppbv	ND	4.7	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.6	ppbv	ND	6.6	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.6	ppbv	ND	5.8	ug/m3
115-07-1	42	Propylene	ND	4.0	ppbv	ND	6.9	ug/m3
100-42-5	104.1	Styrene	ND	1.6	ppbv	ND	6.8	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	1.6	ppbv	ND	8.7	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	1.6	ppbv	ND	11	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	1.6	ppbv	ND	8.7	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.6	ppbv	ND	12	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	1.6	ppbv	ND	7.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	1.6	ppbv	ND	7.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.6	ppbv	ND	7.5	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	1.6	ppbv	ND	4.9	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	1.6	ppbv	ND	11	ug/m3
109-99-9	72	Tetrahydrofuran	ND	1.6	ppbv	ND	4.7	ug/m3
108-88-3	92.14	Toluene	ND	1.6	ppbv	ND	6.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	1.6	ppbv	ND	8.6	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.6	ppbv	ND	9.0	ug/m3
75-01-4	62.5	Vinvl chloride	ND	1.6	ppbv	ND	4.1	ug/m3
108-05-4	86	Vinvl Acetate	ND	1.6	ppbv	ND	5.6	ug/m3
	106.2	m.p-Xvlene	ND	1.6	ppbv	ND	6.9	ug/m3
95-47-6	106.2	o-Xvlene	ND	1.6	ppbv	ND	6.9	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	1.6	ppbv	ND	6.9	ug/m3
CAS No.	Surro	gate Recoveries Run#	1 Run#	2 Li	mits			
460-00-4	4-Bron	nofluorobenzene 105%		78	-124%			

Report of Analysis

Page 2 of 2

ND = Not detected

N = Indicates presumptive evidence of a compound

N

Client Sam Lab Sample Matrix: Method: Project:	ple ID: e ID:	SSV-2 J23256-3 AIR - Air Su TO-15 ExxonMobil Ter	umma ID:A64 minal Orphin,	3 Hanger D,	Date Date Perc Westches	e Samplec e Received ent Solid ter Airpoi	l : 1 : s : rt, V	02/22/06 02/23/06 n/a White Plains	, NY	
Run #1 Run #2	File ID 2W6735	DF 5.D 8	Analyzed 02/24/06	By WG	Prep n/a	Date	H r	Prep Batch n/a	Analy V2W	ytical Batch 296
Run #1 Run #2	Initial V 400 ml	/olume								
CAS No.	MW	Compound		Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone		28.3	1.6	ppbv		67.2	3.8	ug/m3
106-99-0	54.09	1,3-Butadiene		ND	1.6	ppbv		ND	3.5	ug/m3
71-43-2	78.11	Benzene		ND	1.6	ppbv		ND	5.1	ug/m3
75-27-4	163.8	Bromodichloror	nethane	ND	1.6	ppbv		ND	11	ug/m3
75-25-2	252.8	Bromoform		ND	1.6	ppbv		ND	17	ug/m3
74-83-9	94.94	Bromomethane		ND	1.6	ppbv		ND	6.2	ug/m3
593-60-2	106.9	Bromoethene		ND	1.6	ppbv		ND	7.0	ug/m3
100-44-7	126	Benzyl Chloride)	ND	1.6	ppbv		ND	8.2	ug/m3
75-15-0	76.14	Carbon disulfid	e	0.84	1.6	ppbv	J	2.6	5.0	ug/m3
108-90-7	112.6	Chlorobenzene		ND	1.6	ppbv		ND	7.4	ug/m3
75-00-3	64.52	Chloroethane		ND	1.6	ppbv		ND	4.2	ug/m3
67-66-3	119.4	Chloroform		0.97	1.6	ppbv	J	4.7	7.8	ug/m3
74-87-3	50.49	Chloromethane		ND	1.6	ppbv		ND	3.3	ug/m3
107-05-1	76.53	3-Chloropropen	e	ND	1.6	ppbv		ND	5.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	;	ND	1.6	ppbv		ND	8.3	ug/m3
56-23-5	153.8	Carbon tetrachl	oride	ND	1.6	ppbv		ND	10	ug/m3
110-82-7	84.16	Cyclohexane		8.9	1.6	ppbv		31	5.5	ug/m3
75-34-3	98.96	1,1-Dichloroeth	ane	ND	1.6	ppbv		ND	6.5	ug/m3
75-35-4	96.94	1,1-Dichloroeth	ylene	ND	1.6	ppbv		ND	6.3	ug/m3
106-93-4	187.9	1,2-Dibromoeth	ane	ND	1.6	ppbv		ND	12	ug/m3
107-06-2	98.96	1,2-Dichloroeth	ane	ND	1.6	ppbv		ND	6.5	ug/m3
78-87-5	113	1,2-Dichloropro	pane	ND	1.6	ppbv		ND	7.4	ug/m3
123-91-1	88	1,4-Dioxane		ND	1.6	ppbv		ND	5.8	ug/m3
75-71-8	120.9	Dichlorodifluor	omethane	ND	1.6	ppbv		ND	7.9	ug/m3
124-48-1	208.3	Dibromochloro	nethane	ND	1.6	ppbv		ND	14	ug/m3
156-60-5	96.94	trans-1,2-Dichle	oroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
156-59-2	96.94	cis-1,2-Dichloro	oethylene	ND	1.6	ppbv		ND	6.3	ug/m3
10061-01-5	111	cis-1,3-Dichloro	propene	ND	1.6	ppbv		ND	7.3	ug/m3
541-73-1	147	m-Dichlorobenz	zene	ND	1.6	ppbv		ND	9.6	ug/m3
95-50-1	147	o-Dichlorobenz	ene	ND	1.6	ppbv		ND	9.6	ug/m3
106-46-7	147	p-Dichlorobenz	ene	ND	1.6	ppbv		ND	9.6	ug/m3
10061-02-6	111	trans-1,3-Dichle	propropene	ND	1.6	ppbv		ND	7.3	ug/m3

Report of Analysis

Page 1 of 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

 $J = \ Indicates \ an \ estimated \ value$

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Report	of	Analysis
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Page 2 of 2

Client Sam Lab Sample Matrix: Method: Project:	ple ID: e ID:	SSV-2 J23256-3 AIR - Air Summa ID: A6 TO-15 ExxonMobil Terminal Orphin	643 , Hanger D,	Date Date Perc Westches	e Sampled: e Received: ent Solids: ter Airport, V	02/22/06 02/23/06 n/a White Plains	, NY	
CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
64-17-5 100-41-4 141-78-6 622-96-8 76-13-1 76-14-2 142-82-5 87-68-3 110-54-3 591-78-6 67-63-0 75-09-2 78-93-3 108-10-1 1634-04-4 115-07-1 100-42-5 71-55-6 79-34-5 79-00-5 120-82-1 95-63-6 108-67-8 540-84-1 75-65-0 127-18-4 109-99-9 108-88-3 79-01-6 75-69-4	46 106.2 88 120.2 187.4 170.9 100.2 260.8 86.17 100 60 84.94 72.11 100.2 88.15 42 104.1 133.4 167.9 133.4 167.9 133.4 181.5 120.2 120.2 114.2 74.12 165.8 72 92.14 131.4 137.4	Ethanol Ethylbenzene Ethyl Acetate 4-Ethyltoluene Freon 113 Freon 114 Heptane Hexachlorobutadiene Hexachlorobutadiene Hexane 2-Hexanone Isopropyl Alcohol Methylene chloride Methyl ethyl ketone Methyl sobutyl Ketone Methyl Isobutyl Ketone Methyl Tert Butyl Ether Propylene Styrene 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 2,2,4-Trimethylbenzene 2,2,4-Trimethylpentane Tertiary Butyl Alcohol Tetrachloroethylene Tetrahydrofuran Toluene Trichloroethylene	ND 1.9 ND ND ND ND ND 12.7 ND ND ND ND ND ND ND ND ND ND	$\begin{array}{c} 4.0\\ 1.6\\ 1.6\\ 1.6\\ 1.6\\ 1.6\\ 1.6\\ 1.6\\ 1.6$	ppbv ppbv ppbv ppbv ppbv ppbv ppbv ppbv	ND 8.3 ND ND ND ND ND ND ND ND ND ND ND ND ND	$\begin{array}{c} 7.5\\ 6.9\\ 5.8\\ 7.9\\ 12\\ 11\\ 6.6\\ 17\\ 5.6\\ 6.5\\ 3.9\\ 5.6\\ 4.7\\ 6.6\\ 5.8\\ 6.9\\ 6.8\\ 8.7\\ 11\\ 8.7\\ 12\\ 7.9\\ 7.9\\ 7.5\\ 4.9\\ 11\\ 4.7\\ 6.0\\ 8.6\\ 9.0 \end{array}$	ug/m3 ug/m3
75-01-4 108-05-4 95-47-6	62.5 86 106.2 106.2	Vinyl chloride Vinyl Acetate m,p-Xylene o-Xylene	ND ND 5.0 2 7	$1.6 \\ 1.6 $	ppbv ppbv ppbv ppbv	ND ND 22 12	4.1 5.6 6.9	ug/m3 ug/m3 ug/m3 ug/m3
1330-20-7	106.2	Xylenes (total)	7.8	1.6	ppbv	34	6.9	ug/m3
CAS No.	Surrog	gate Recoveries Run#	1 Run#	≢2 Li	mits			
460-00-4	4-Bron	nofluorobenzene 108%		78	-124%			

ND = Not detected

J23256-4

Client Sample ID: SSV-1

Lab Sample ID:

Matrix: Method: Project:		AIR - Air Summ TO-15 ExxonMobil Termina	a ID: A25 Il Orphin,	57 Hanger D	Date Perce , Westchest	Receive ent Solid er Airpo	d: s: rt, V	02/23/06 n/a White Plains	, NY	
Run #1 Run #2	File ID 2W6720	DF . 5.D 1	Analyzed 02/24/06	By WG	Prep I n/a	Date	l r	Prep Batch 1/a	Analy V2W2	rtical Batch 296
Run #1 Run #2	Initial V 400 ml	Volume								
CAS No.	MW	Compound		Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone		4.1	0.20	ppbv		9.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene		ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene		0.056	0.20	ppbv	J	0.18	0.64	ug/m3
75-27-4	163.8	Bromodichlorometha	ane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform		ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane		ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene		ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride		ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide		ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene		ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane		ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform		0.14	0.20	ppbv	J	0.68	0.98	ug/m3
74-87-3	50.49	Chloromethane		ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene		ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene		ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	<u>)</u>	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane		0.30	0.20	ppbv		1.0	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane		ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylen	e	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane		ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane		ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	9	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88	1,4-Dioxane		ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromet	thane	0.11	0.20	ppbv	J	0.54	0.99	ug/m3
124-48-1	208.3	Dibromochlorometh	ane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroet	hylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethy	lene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloroprop	pene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene		ND	0.20	ppbv		ND	1.2	ug/m3

ND

ND

ND

0.20

0.20

0.20

Report of Analysis

Date Sampled: 02/22/06

Page 1 of 2

ND = Not detected

10061-02-6 111

95-50-1

106-46-7

RL = Reporting Limit

147

147

E = Indicates value exceeds calibration range

o-Dichlorobenzene

p-Dichlorobenzene

trans-1,3-Dichloropropene

J = Indicates an estimated value

ppbv

ppbv

ppbv

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

ND

ND

ND

1.2

1.2

0.91

ug/m3

ug/m3

ug/m3



г

Report	of	Analysis	
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Page 2 of 2

Client Sam Lab Sample Matrix: Method: Project:	ple ID: e ID:	SSV-1 J23256-4 AIR - Air Summa ID: A2 TO-15 ExxonMobil Terminal Orphin	257 , Hanger D,	Date Date Perc Westches	Sampled: Received: ent Solids: ter Airport,	02/22/06 02/23/06 n/a White Plains	, NY	
CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
CAS No. 64-17-5 100-41-4 141-78-6 622-96-8 76-13-1 76-14-2 142-82-5 87-68-3 110-54-3 591-78-6 67-63-0 75-09-2 78-93-3 108-10-1 1634-04-4 115-07-1 100-42-5 71-55-6 79-34-5 79-00-5 120-82-1 95-63-6 108-67-8 540-84-1 75-65-0 127-18-4 109-99-9 108-88-3 79-01-6 75-69-4 75-01 4	MW 46 106.2 88 120.2 187.4 170.9 100.2 260.8 86.17 100 60 84.94 72.11 100.2 88.15 42 104.1 133.4 167.9 133.4 181.5 120.2 120.2 114.2 74.12 165.8 72 92.14 131.4 137.4	Compound Ethanol Ethylbenzene Ethyl Acetate 4-Ethyltoluene Freon 113 Freon 114 Heptane Hexachlorobutadiene Hexane 2-Hexanone Isopropyl Alcohol Methylene chloride Methyl ethyl ketone Methyl tehyl ketone Methyl Isobutyl Ketone Methyl Isobutyl Ketone Methyl Tert Butyl Ether Propylene Styrene 1,1,1-Trichloroethane 1,2,2-Tetrachloroethane 1,2,4-Trichloroethane 1,2,4-Trimethylbenzene 2,2,4-Trimethylbenzene 2,2,4-Trimethylpentane Tertiary Butyl Alcohol Tetrachloroethylene Tetrahydrofuran Toluene Trichlorofluoromethane Vinvl chloride	Result 1.7 0.14 ND ND ND ND ND ND ND ND ND ND	RL 0.50 0.20	Units Q ppbv ppbv J ppbv ppbv ppbv ppbv ppbv ppbv ppbv ppb	Result 3.2 0.61 ND ND ND ND 2.4 ND ND ND ND 0.38 1.1 ND ND ND ND ND ND ND ND ND ND	RL 0.94 0.87 0.72 0.98 1.5 1.4 0.82 2.1 0.70 0.82 0.49 0.69 0.59 0.82 0.72 0.86 0.85 1.1 1.4 1.1 1.5 0.98 0.98 0.93 0.61 1.4 0.59 0.75 1.1 1.5 0.98 0.93 0.61 1.4 0.59 0.75 1.1 0.51	Units ug/m3
108-05-4 95-47-6 1330-20-7	86 106.2 106.2 106.2	Vinyl Acetate m,p-Xylene o-Xylene Xylenes (total)	ND 0.35 0.18 0.53	0.20 0.20 0.20 0.20	ppbv ppbv ppbv J ppbv	ND 1.5 0.78 2.3	0.70 0.87 0.87 0.87	ug/m3 ug/m3 ug/m3 ug/m3
CAS No.	Surro	gate Recoveries Run#	1 Run#	⊧2 Liı	nits			
460-00-4	4-Bror	nofluorobenzene 109%)	78-	-124%			

ND = Not detected

N



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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log



Chain OF CUSTODY Product Produ	A.C													· · ·	- e					
Barrell Minister		CHAIN (OF C	USTO)D)	Υ Γ			FED-EX Trad	king #	·	Aptilo Coder Cont	13/200	6-3	PAG	F	OF			
Answer Man And B. Carrier Barren Markel D. Carrier Barren Markel D. Witch Adv. (S., Barren B. B. 1997) Barren Markel D. Witch Adv. (S., Barren B. 1997) Barren Markel D. 1997)		Air Sampli	na Field	Data She	et				Lab Qunte 🖉			Lab Job#	770		1		<u> </u>			
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Address Size Mapple A Marrier The 2111 Aligned R. Mapple A Base 211/32 Mainer Mainer (m) Linkehren Non	Company Name	dard & Corran				Project Name	11.1.1.	41.11			y and a 1.20 april 19	Temperature (Fa	hrenheit)	arameters	1947,2214		Requ	ested A	nal <u>v</u> sis	
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J23256: Chain of Custody Page 1 of 1



Summa Canister and Flow Controller Log

Job Number:	J23256
Account:	WCMAD Woodard & Curran
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY
Received:	02/23/06

SUMMA	CA	NISTE	ERS										
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A322	6	29.4	02/16/06	HSC	CP1685	W07515.D	J23256-1	02/23/06	HSC	0			1
A375	6	29.4	02/16/06	HSC	CP1688	W07568.D	J23256-2	02/23/06	HSC	.5			1
A643	6	29.4	02/16/06	HSC	CP1662	W07214.D	J23256-3	02/23/06	HSC	3.5			1
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FC174	02/16/06	HSC	20	4	02/23/06	HSC	14.9	
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