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DRIVE RESULTS

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February 5, 2009

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 #3-60-037

Dear Ms. Tipple:

On behalf of ExxonMobil Refining & Supply, Woodard & Curran coordinated a follow-up soil vapor sampling event for Hangar D, Bay 2 located at the Westchester Country Airport in White Plains, New York. The follow-up sampling event was conducted to further investigate the potential for intrusion of chemicals of concern (COCs) from subsurface sources through the building slab to office portions of the hangar. This work was conducted pursuant to the Vapor Intrusion Investigation Work Plan (Work Plan) dated September 30, 2005 and approved by the NYSDEC on October 5, 2005; and sequent soil vapor investigation reports of April 20, 2006, March 16, 2007, and June 25, 2008 (refer to Appendix A).

Soil vapor sampling events were implemented in general accordance with the October 2006 NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH Guidance). Field tasks were most recently conducted on December 19, 2008. The COCs for the project (refer to Section 3.1 of the Work Plan) are chlorinated solvents and their breakdown products, including: 1,1,1-Trichloroethane (1,1,1-TCA), Tetrachloroethene (PCE), Trichloroethene (TCE), 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), cis-1,2-Dichloroethene (cis-1,2-DCE), trans-1,2-Dichloroethene (trans-1,2-DCE), Chloroethane and Vinyl Chloride.

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. A Record of Decision (ROD) for the site was issued by the NYSDEC in March 2002 and subsequently a Remedial Design/Remedial Action Final Work Plan (RD/RA Work Plan) was issued by ExxonMobil in January 2003. As outlined in the ROD and RD/RA Work Plan, remedial efforts were implemented at the hangar including subsurface applications of potassium permanganate in April 2001, September 2004, and November/December 2008, and start-up of a Soil Vapor Extraction (SVE) system in February 2004. A site location map is included as Figure 1 and a Site Plan is included as Figure 2.

Field Work and Documentation

Building Survey and Product Inventory

As indicated in the NYSDOH Draft Guidance, building surveys and product inventories were completed as provided in Appendix B. A site location map and a building plan for Hangar D are included as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

The required building surveys and product inventories are designed to evaluate building conditions that could interfere with the collection of representative soil vapor samples. The building surveys and product inventories were documented using the New York State Department of Health Indoor Air Quality Questionnaire and Building Inventory (Appendix B) and are summarized below.

- The building construction is slab-on-grade.
- The slab is considered to be intact; visible 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.
- Pressure gradients through the building are affected if the large hangar door is opened or closed, which can happen a number of times per day.
- A number of petroleum-based products are used and stored in the hangar and maintenance area.
- Because hangar space is rented, a number of rooms and storage lockers are locked and inaccessible.
- Cleaned employee clothing available on-site is reportedly laundered.
- The maintenance (south) side of the office portion of the hangar was last painted and carpeted in 2006.

Soil Vapor Sampling and Remedial System Operation

A chronological summary of soil vapor investigations and remedial efforts conducted at Hangar D is presented in Appendix A. Soil vapor samples from select vapor points used for a 1997 soil vapor survey (refer to Figure 2) were sampled in April 2005 with the SVE system operating. Then during routine operation and maintenance visits for the SVE system, the system was off upon arrival for the November 2006 visit. The blower had failed and could not be restarted. Upon consultation with the NYSDOH, soil vapor samples were collected in November 2006 in the vicinity of the SVE system with the system off to support system remedial data, evaluate the effectiveness of remediation to date, and to augment the soil vapor investigation. The SVE system was subsequently restarted.

Results from the April 2005 and November 2006 sampling events are summarized in Table 2. Tasks to implement the soil vapor sampling events are reported in more detail under cover dated March 16, 2007.

Sub-slab Soil Vapor Investigation

Field tasks for the soil vapor investigation were conducted as follows:

- On February 21 and 22, 2006 with the SVE system operating;
- On November 27 and 28, 2006 with the SVE system off;
- On November 29, 2007 with the SVE system operating;
- On March 28, 2008 with the SVE system operating; and
- On December 19, 2008 with the SVE system operating.

Samples were collected from the permanent sub-slab soil vapor probes SSV-1 and SSV-2 as located on Figure 2. Installation of the sub-slab soil vapor probes (tubing extending two inches into the aggregate below the slab and sealed) and results from the February 2006 field event are reported under cover dated April 20, 2006. Results from the November 2006 field event are reported under cover dated March 16, 2007. Results from the November 2007 and March 2008 sampling events are reported under cover dated June 25, 2008. Field notes from the December 2008 sampling event are included in Appendix B herein, and laboratory analytical reports are included in Appendix C. A comparison of results from all sampling events is presented in Table 1.

Indoor Air Samples

On December 19, 2008, indoor air samples were collected over eight (8) hours from the office where sub-slab vapor probe SSV-1 is located, the reception desk near SSV-2, and the lounge near SSV-2 (refer to Figure 2). All samples were analyzed by Air Toxics of Folsom, California.

Field notes are included in Appendix B and laboratory analytical reports are included in Appendix C. Results from the December 2008 sampling event are summarized on Table 3.

Results

Soil Vapor Sampling and Remedial System Operation

The goal of the SVE system is remediation of impacted soils above the water table by forced ventilation and volatilization. Soil vapor concentrations are a measure of the remedial effectiveness and progress of the system. In comparing soil vapor results from the 1997 survey, prior to installation of the SVE system, to the November 2006 sampling event, after two and on half years of SVE system operation, soil vapor concentrations in November 2006 were generally two to three orders of magnitude lower than those measured in 1997. (Refer to Table 2 and Figure 2.)

Sub-slab Soil Vapor Investigation

For the December 2008 sampling event, 1,1,1-TCA, PCE and TCE were the only COCs detected in sub-slab soil vapor (refer to Table 1). Method detection limits for non-detected COCs that have criteria assigned per NYSDOH Guidance were below the 'No Further Action' criteria.

Indoor Air Samples

For the December 2008 sampling event, method detection limits for all non-detected COCs that have criteria assigned per NYSDOH Guidance were below the 'No Further Action' criteria. TCE was the only COC detected in indoor air samples (refer to Table 3) at concentrations of 0.3 and 0.64 micrograms per cubic meter ($\mu g/m^3$) in the vicinity of sub-slab vapor probe SSV-2 in the Lounge Area.

Outdoor Air Samples
No outdoor air samples were collected during the December 2008 sampling event. (Outdoor air samples were collected in 2007, refer to the June 25, 2008 soil vapor investigation report.)

Conclusions

In the hangar office area, only TCE in the Lounge Area was detected in indoor air samples at concentrations of 0.30 and 0.64 ug/m^3. When compared to the corresponding sub-slab vapor concentration at SSV-2 of 3.4 ug/m^3, the indoor air concentrations were 'likely due to indoor and/or outdoor sources rather than soil vapor intrusion' per Matrix 1 of the NYSDOH Guidance. With respect to potential exposure, the hangar and office area are not occupied continuously; rather they are occupied during normal business hours and/or infrequently by personnel in between flights and passengers awaiting take-off. The sampling events are complicated by uncontrolled influences, such as random airport activity and public use of the facilities.

It was noted that acetone, ethanol, and isopropyl alcohol, all chemicals not associated with project COCs, were detected at high concentrations in the December 2008 samples, consistent with the detections observed during the March 2008 sampling event.

Operation of the SVE system will continue to promote soil remediation in accordance with the RD/RA Work Plan. In parallel, sub-slab soil vapor quality in the hangar office area will be monitored for an additional sampling event around November 2009 (the same season as events in 2006, 2007, and 2008) to further evaluate the concentration of PCE and TCE in sub-slab soil vapor.

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

Sincerely,

Woodard & Curran

Anne E. Proctor, PE
Sr. Project Manager

Enclosures:
Table 1: Sub-slab Soil Vapor Sample Results
Table 2: Soil Vapor Sample Results
Table 3: Soil Vapor Sampling Event of 12/19/08

Figure 1: Site Location Map
Figure 2: Site Map

Appendix A: Chronology of Soil Vapor Investigations
Appendix B: Building Surveys and Product Inventories
Appendix C: Analytical Laboratory Report

Copy: N. Walz – NYSDOH
M. Lamarre – ExxonMobil
M. Parletta – WCA
E. Faulkner – Landmark Aviation
N. Hastings – W&C

TABLES

TABLE 1

Sub-slab Soil Vapor Sample Results
Hangar D, Westchester County Airport

Chemicals of Concern	Sample Point SSV-1					Sample Point SSV-2				
	Feb-06	Nov-06	Nov-07	Mar-08	Dec-08	Feb-06	Nov-06	Nov-07	Mar-08	Dec-08
Chloroethane	<0.53	<0.53	<4.2	<0.42	<0.88	<4.2	<2.6	<4.2	<0.42	<0.52
1,1-Dichloroethane	<0.81	<0.81	<6.5	<0.64	<1.4	<6.5	<4	<6.5	<0.64	<0.79
1,1-Dichloroethylene	<0.79	<0.79	<6.3	<0.63	<1.3	<6.3	<4	<6.3	<0.63	<0.78
cis-1,2-Dichloroethylene	<0.79	<0.79	<6.3	<0.63	<1.3	<6.3	<4	<6.3	<0.63	<0.78
trans-1,2-Dichloroethylene	<0.79	<0.79	<6.3	<0.63	<1.3	<6.3	<4	<6.3	<0.63	<0.78
1,1,1-Trichloroethane	<1.1	**2.7**	<8.7	<0.86	<1.8	**3.2 J**	**2.9 J**	<8.7	<0.86	**3.4**
Tetrachloroethylene	**1.3 J**	**11**	<11	**1.3**	**14**	**33**	**59**	**52**	**3.9**	**3.9**
Trichloroethylene	<1.1	**9.1**	<8.6	**15**	**1.2**	<8.6	**7**	<8.6	**28**	**3.4**
Vinyl chloride	<0.51	<0.51	<4.1	**0.039 J**	<0.086	<4.1	<2.6	<4.1	<0.040	<0.050

All results are in micrograms per cubic meter.
2008 Soil Vapor Samples were analyzed by Air Toxics. All other samples analyzed by Accutest.
2008 Soil Vapor Samples were collected over 8 hours. All other samples collected over 4 hours.
J = Estimated below the detection limit. E = Estimated over the detection limit.
Detections are in bold type.

TABLE 2

Soil Vapor Sample Results

Hangar D, Westchester County Airport

Chemicals of Concern	VAPOR POINTS											
	VP-5			VP-9S			VP-9D			VP-10		
	Jul-97	Dec-97	Apr-05	Jul-97	Dec-97	Apr-05	Jul-97	Dec-97	Apr-05	Jul-97	Dec-97	Apr-05
Chloroethane	NA	NA	<4	NA	NA	<31	NA	NA	<3	NA	NA	<26
1,1-Dichloroethene	<1,000	**1,000**	<6	<1,000	**1,000**	<47	<1,000	**4,000**	<4	<1,000	**1,000**	<39
1,1-Dichlororethane	<1,000	**26,000**	<6	<1,000	**41,000**	<48	<1,000	**54,000**	<4	<1,000	**100,000**	<40
cis-1,2-Dichloroethene	<1,000	**1,000**	<6	<1,000	<1,000	<47	<1,000	**2,000**	<4	<1,000	<1,000	<39
trans-1,2-Dichloroethene	<1,000	<1,000	<6	<1,000	<1,000	<47	<1,000	<1,000	<4	<1,000	<1,000	<39
1,1,1-Trichloroethane	<1,000	**16,000**	<8	<1,000	**23,000**	<65	<1,000	**26,000**	<5	<1,000	**34,000**	<54
Trichloroethene	<1,000	<1,000	<8	<1,000	**17,000**	<64	<1,000	<1,000	<5	<1,000	**1,000**	<53
Tetrachloroethene	<1,000	**11,000**	**170**	<1,000	**17,000**	**510**	<1,000	**24,000**	**82**	<1,000	**41,000**	**920**
Vinyl Chloride	NA	NA	<4	NA	NA	<30	NA	NA	<3	NA	NA	<25

All results are in micrograms per cubic meter.

NA = Not Analyzed

1997 samples analyzed using a field gas chromatograph. 2005 samples analyzed by a contract laboratory using EPA Method T015.

Detections are in bold.

TABLE 2 (continued)

Soil Vapor Sample Results

Hangar D, Westchester County Airport

Chemicals of Concern	VAPOR POINTS					
	VP-1S			VP-6		
	Jul-97	Dec-97	Nov-06	Jul-97	Dec-97	Nov-06
Chloroethane	NA	NA	<0.53	NA	NA	**7.1**
1,1-Dichloroethene	**26,000**	**24,000**	**40**	<1,000	**1,000**	**259**
1,1-Dichlororethane	<1,000	**70,000**	**514**	<1,000	**100,000**	**2,270**
cis-1,2-Dichloroethene	**2,000**	**9,000**	**7.1**	<1,000	<1,000	**599**
trans-1,2-Dichloroethene	**2,000**	**1,000**	**0.59**	<1,000	<1,000	**14**
1,1,1-Trichloroethane	**42,000**	**22,000**	**339**	<1,000	**34,000**	**4,300**
Trichloroethene	<1,000	**8,000**	**75.2**	<1,000	**1,000**	**747**
Tetrachloroethene	**2,000**	**112,000**	**1,840**	<1,000	**41,000**	**1,200**
Vinyl Chloride	NA	NA	**0.31**	NA	NA	**0.56**

Notes:

All results are in micrograms per cubic meter.

NA = Not Analyzed

1997 samples analyzed using a field gas chromatograph. 2006 samples analyzed by a contract laboratory using EPA Method T015.

Detections are in bold.

TABLE 3

Soil Vapor Sampling Event of 12/19/08

Hangar D, West Chester County Airport

Chemicals of Concern	Indoor Air [1]				Soil Vapor [1]	
	SSV-1B (Office) Dec-08	SSV-1B Dup. (Office) Dec-08	SSV-2A (Lounge) Dec-08	SSV-2B (Reception) Dec-08	SSV-1 (Office) Dec-08	SSV-2 (Lounge) Dec-08
Chloroethane	<0.53	<0.53	<0.47	<0.43	<0.88	<0.52
1,1-Dichloroethane	<0.81	<0.81	<0.72	<0.66	<1.4	<0.79
1,1-Dichloroethylene	<0.80	<0.80	<0.71	<0.65	<1.3	<0.78
cis-1,2-Dichloroethylene	<0.80	<0.80	<0.71	<0.65	<1.3	<0.78
trans-1,2-Dichloroethylene	<0.80	<0.80	<0.71	<0.65	<1.3	<0.78
1,1,1-Trichloroethane	<1.1	<1.1	<0.98	<0.89	<1.8	**3.4**
Tetrachloroethylene	<1.4	<1.4	<1.2	<1.1	**14**	**3.9**
Trichloroethylene	<0.22	<0.22	**0.30**	**0.64**	**1.2**	**3.4**
Vinyl chloride	<0.051	<0.051	<0.046	<0.042	<0.086	<0.050

All results are in micrograms per cubic meter.
(1) Air Samples were analyzed by Air Toxics Ltd.
Samples nominally collected over 8 hours in a 6 liter Summa canister and analyzed by EPA Method T015.
J = Estimated value below the detection limit. E = Estimated value over the detection limit.
Detections are in bold type.

FIGURES

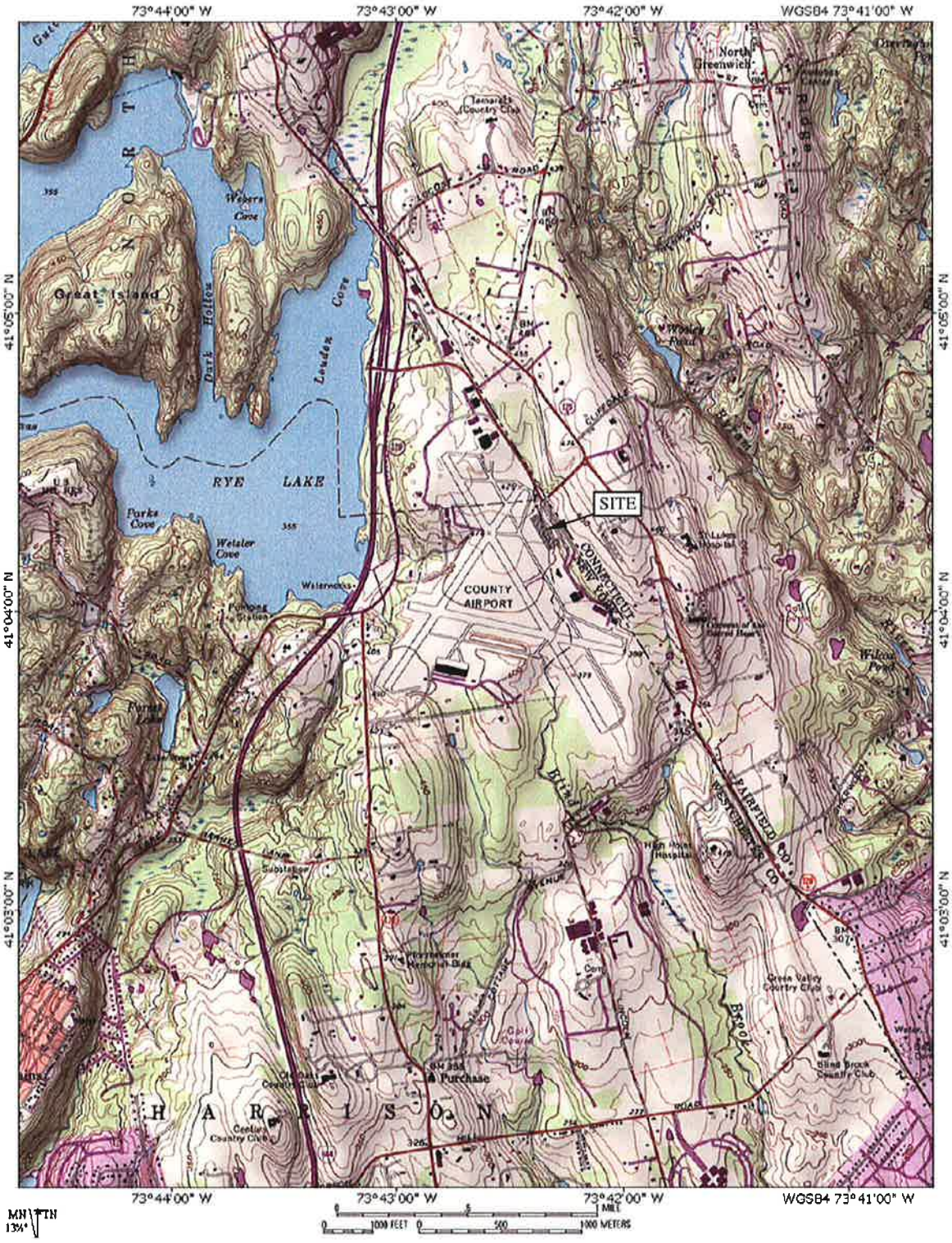
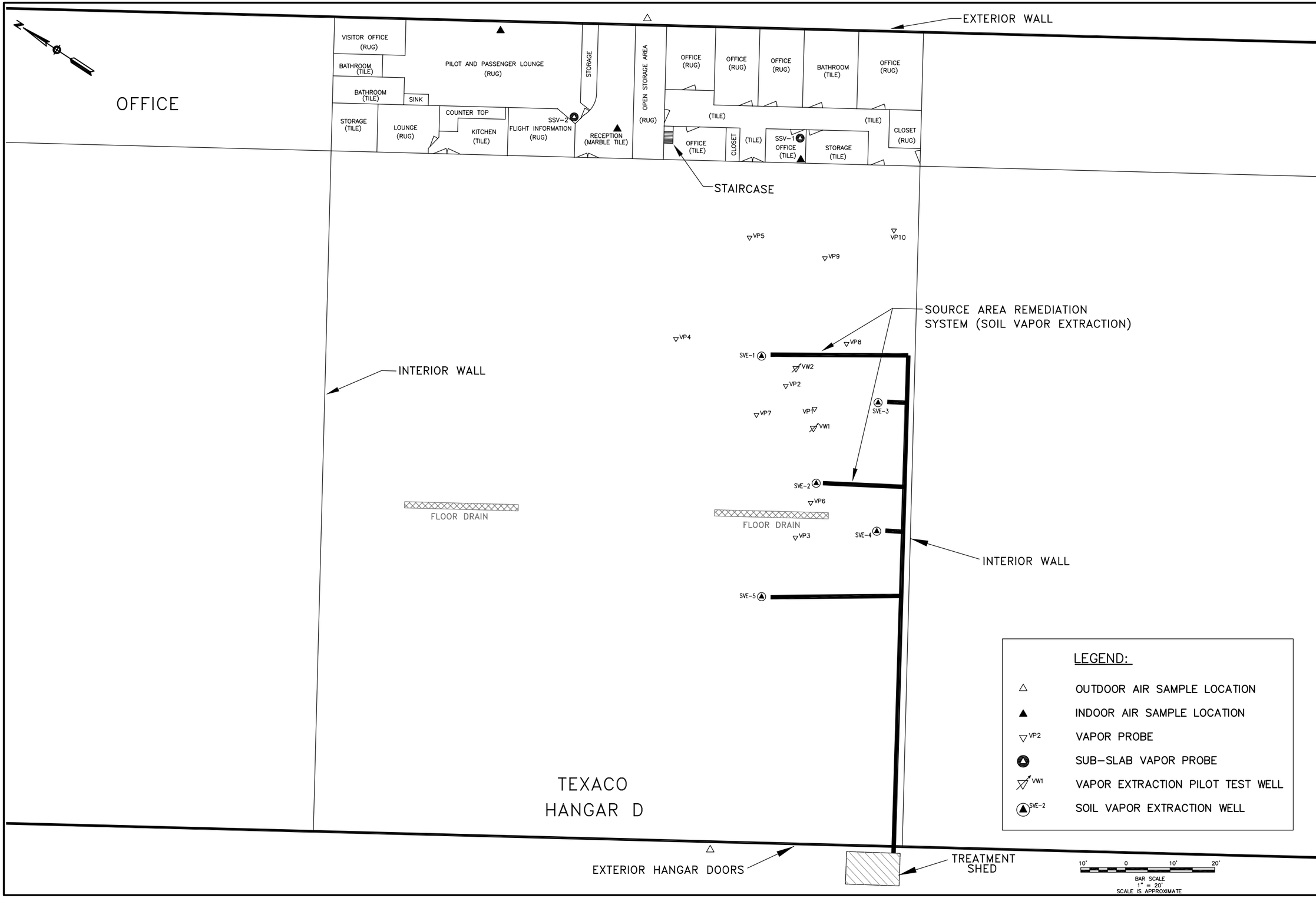


FIGURE 1
SITE LOCUS

Hangar D, Westchester County Airport
White Plains, New York



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COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

SITE PLAN

DESIGNED BY: AP
DRAWN BY: SH
CHECKED BY: AP
206565_U2 SITE 06 08.dwg

WESTCHESTER COUNTY AIRPORT
HANGAR D

SOIL VAPOR SAMPLING LOCATIONS

JOB NO: 206824
DATE: JUNE 2008
SCALE: 1"= 20'

FIGURE 2

APPENDIX A

Chronology of Soil Vapor Investigations

Hangar D, Westchester County Airport, New York

Rev. 4, February 5, 2009

1991	January	Soil Gas Survey (Target Environmental Services) - 19 locations at 2 feet deep - Primary COCs: 1,1,1-TCA, PCE, 1,1-DCA and 1,1-DCE
	April	Soil Vapor Extraction Pilot Test (Vapex Environmental Technologies)
1997	July, Dec.	Soil Vapor Probes VP-1 through VP-10 and vapor extraction wells VW-1 and VW-2 were sampled in July and December (Xpert Design & Diagnostics) - 17 locations at 1.5 to 9 feet deep - Primary COCs: : 1,1,1-TCA, PCE, 1,1-DCA and 1,1-DCE
2001	April	Potassium Permanganate Applications in the vicinity of well MW-01 and MW-02
2004	February	SVE System Start-up
	September	Potassium Permanganate Applications in the vicinity of well MW-01 and MW-02
2005	January	NYSDEC faxed November 16, 2004 letter from NYSDOH: - Expressed concern over suspending operation of the SVE system during Potassium Permanganate Application. - Requested sampling plan for review to evaluate the potential for vapor intrusion and subsequent human exposures within the office spaces based on review of historic data. Response to Nov. 16, 2004 NYSDOH letter sent to NYSDEC: - Reason for suspending operation SVE system explained. - Migration pathways discussed: remedial efforts, groundwater flow, indoor sources
	February	*Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York* posted on the NYSDOH website for public comment.
	March	NYSDEC faxed February 8, 2005 letter from NYSDOH: - Cited 1997 vapor data as evidence of plume under slab - Concern over limited influence of the SVE system - Migration pathways discussed: VOCs in groundwater, coarse material under slab, measures to isolate indoor sources of VOCs during sampling - Requested Soil Vapor Investigation Plan for state review
	April	Vapor samples were collected to update the 1997 vapor data and sub-slab vapor pressure monitoring was expanded to update SVE operating parameters cited in the Feb. 8, 2005 NYDSOH letter. ExxonMobil submitted comments on the *Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York* to the NYSDOH

Chronology of Soil Vapor Investigations
Hangar D, Westchester County Airport, New York
Rev. 4, February 5, 2009

	May	Woodard & Curran submitted comments on the *Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York* to the NYSDOH
	June	Response to Feb. 8, 2005 NYDSOH letter sent to NYSDEC: Data from the April monitoring event provided: - Vapor concentrations have decreased 2-3 orders of magnitude since 1997 - SVE system radius of influence is upwards of 50 feet under actual operating conditions - Migration pathways discussed: remedial activities reiterated, sampling conducted specific to soil vapor NYSDEC faxed June 23, 2005 letter from NYSDOH reiterating request for Soil Vapor Investigation Work Plan for state review - Problems with April event: samples not sub-slab, SVE system operating, not during the heating season, not at the office area, high analytical detection limits, not enough details (methods, tracer compounds, weather conditions) - Referenced *Draft Guidance for Evaluating Soil vapor Intrusion in New York State* - Levels of VOCs in soil vapor indicate the need to further evaluate vapor intrusion. Options are to either conduct sampling and monitoring or provide a sub-slab depressurization system.
	July	Meeting with NYSDEC, NYSDOH and ExxonMobil on July 19, 2005
	September	Submit Soil Vapor Investigation Work Plan dated Sept. 30, 2005
	October	NYSDEC approves Sept. 2005 Work Plan incorporating NYSDOH comments in letter dated Oct. 5, 2005
2006	February	Install sub-slab soil vapor sampling probes (SSV-1 and SSV-2) and conduct sub-slab soil vapor sampling event on Feb. 21 and 22, 2006 *Note: The SVE system was in operation.*
	April	Issue soil vapor investigation report dated April 20, 2006 Receive comments from NYSDEC in electronic mail of April 24, 2006
	May	Respond to NYSDEC comments via electronic mail on May 4, 2006 Proposed to conduct a second soil vapor sampling event.

Chronology of Soil Vapor Investigations
Hangar D, Westchester County Airport, New York
Rev. 4, February 5, 2009

November		The SVE system was off upon arrival for the November monthly field visit. The blower had failed and needed to be replaced. With the system off, soil vapor samples were collected in the vicinity of the SVE system area to support system remedial data. Soil vapor sampling event, including sub-slab and soil vapor samples, conducted Nov. 27 and 28, 2006 *Note: The SVE system was <u>not</u> in operation.*
2007	March	Issue soil vapor investigation report dated March 16, 2007 Proposed to conduct a third soil vapor sampling event in November 2007. SVE system restarted on March 23, 2007.
	April	Receive comments from NYSDEC of April 6, 2007
	May	Respond to NYSDEC comments on May 23, 2007
	November	Conference call between ExxonMobil, NYSDEC and NYSDOH to discuss the pending sampling event. Following a pre-sampling product inventory on November 16, ExxonMobil agreed to conduct indoor and outdoor air sampling in conjunction with sub-slab soil vapor sampling, confirmed by electronic mail on November 25, 2007. The NYSDOH responded on November 28, one day in advance of the sampling event that the indoor air samples needed to be collected over eight (8) hours and analyzed with a detection limit of 0.25 mcg/m3 for TCE and VC. The sampling event proceeded with the summa canisters in-hand, ordered with 4-hour regulators, and the indoor air samples were sub-contracted to a lab that could meet the specified detection limit. Soil vapor sampling event, including sub-slab vapor samples, indoor air and outdoor air, conducted Nov. 29, 2007
2008	January	Preliminary results from the November sampling event were provided in the Oct.-Dec. 2007 Progress Report. The results were inconclusive and another sampling event was proposed with sub-slab vapor samples and indoor air samples collected over eight hours and to have all samples analyzed with the specified detection limit for TCE and VC.
	February	Receive comments from NYSDEC of February 1, 2008. Respond to NYSDEC comments on February 6, 2008 confirming sampling plan.
	March	Soil vapor sampling event, including sub-slab vapor samples and indoor air, conducted March 28, 2008.
	June	Issue soil vapor investigation report dated June 25, 2008. Proposed to conduct a vapor sampling event around November 2008.

Chronology of Soil Vapor Investigations

Hangar D, Westchester County Airport, New York

Rev. 4, February 5, 2009

November	Regular office personnel for the hangar operator, Landmark Aviation, moved out of Hangar D in November 2008. Vapor sampling event schedule for December 2008 after the move.
December	Vapor sampling event, including sub-slab vapor samples and indoor air, conducted December 19, 2008. Hangar office area still occupied infrequently by passengers and flight crew members.

APPENDIX B

12/19/08 Hayes D cont

* note: Drum #'s 98 + 101 on site for purge water

- see site plan for well measurements.

I AQ Test

Location

Former landmark Reception Desk (Chosen SVS-2B Lobby Desk)
Start time 0710 vac 29" Hg
End time 1500 vac 4.5" Hg
Summa # 31434

Passenger lounge
Start time 0715 vac 30" Hg
End time 1505 vac 9.0" Hg
Summa # 9913

Eastway Aviation Sub-slab
Start time 0813 vac 28.5" Hg
End time 1535 vac 9.5" Hg
Summa # 34389

IAQ Cont

Location

Eastway Aviation IAQ (office)
Start time 0817 vac 28.5" Hg
End time 1540 vac 8" Hg
Summa # 9944

Former landmark Aviation lounge closet Sub-Slab
Start time 0838 vac 30" Hg
End time 1550 vac 10" Hg
Summa # 34375

* Please note: Pulled Samples Short of the full 8 hrs due to severe snow storm and safety concerns (EPSA) about driving back to office

See Drilling Inventory Sheets for new materials Dublin / Hayes D-1

1600 PM off site

12/19/08 Mobil Hanzum D 1161379

Overcast 20°F

0600 - RB MB KW SS onsite
- H&S meeting
- Check in w/ landmark
- mobilize to Hanzum D-1

0630 - KW MB begin low flow sampling
- RB SS Begin Air sample / & sub slab sampling.
* note: Landmark has relocated - reception area is Empty.

0800 - united onsite for Drum pickup
- Check in
- mob to Drums.
- load out 6 soil + 4 water Drums.
- Check manifest - ok - united put their non Haz labels on Drums - ok

0845 - united - // site.

0900 - Finish Summa set up

0930 - SS // site.

1000 - RB Samples KO condensate

* Snow has started to fall *

Otm + OB ✓

Wind Calm

Temp 30°F

Barom 30.22 ↓

Blower - (up)

Temp 115

Disch Psi "H2O 8.5

Pre Filter 0.5

Post Filter 4.0

Condensate TOT 25 gal.

PT	vac	ppm	%
SVE 1	30	1.1	100
2	30	1.4	25
3	32	0.5	25
4	16	0.4	25
5	32	0.6	25
EPP			—
MSD 1			—
MSD 2			—
OAE EPP			—

well	DTW	vac
MW-01	7.42	0.07
MW-02	10.56	1.55
MW-07S	9.14	press >0.25
MW-08S	7.57	0.00
MW-08D	11.59	0.00

* All BB's pass

* Replace 9 volt in fire alarm.

* Leave copy of LB ✓ in onsite Binder ✓

OSR – 3

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 JOHN SIMMS Date/Time Prepared 09:05 HOURS 3/28/2008

Preparer's Affiliation GES, INC. Phone No. (866) 839-5195 X 3850

Purpose of Investigation SUB-SLAB; IAQ INVESTIGATION

1. OCCUPANT:

Interviewed: Y / N

Last Name: MARTINEZ First Name: RAY

Address: 240 Airport Rd

County: Westchester

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location 10-15 Age of Occupants 20-50

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N landmark

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: HANGAR/OFFICE

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 commercial, type?

Business Type(s) AIRPORT HANGAR

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age 1942

Is the building insulated? (Y) N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors. See Site Plan for Air Flows

~~Airflow near source~~ SSU-2 LOUNGE

- DOORWAYS FLOW FROM LOUNGE TO OFFICE → Smk - to Hanger
- ABOVE RECEPTIONIST UP INTO VENT
- DOOR TO HANGER INTO OFFICE FLOW → From office to Hanger
- DOOR TO OUTSIDE FLOW
- NO FLOW AT VAPOR POINT
- MIDDLE OF LOUNGE FLOW TOWARDS RECEPTIONIST

~~SSU-1 - Vertical to ceiling vent.~~

Outdoor air infiltration

~~Infiltration into air ducts~~ SSU-1 OFFICE

- VERTICAL DOWN FROM DUCT, 2ND TIME 5 MIN. LATER NO FLOW
- NO FLOW NEAR VAPOR POINT
- NO FLOW NEAR DOOR/2ND VENT

Vertical (up) to vent.

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick steel
b. Basement type: N/A	full	crawlspace	slab	other _____
c. Basement floor: N/A	concrete	dirt	stone	other _____
d. Basement floor: N/A	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is: N/A	wet	damp	dry	moldy
i. The basement is: N/A	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

FLOOR DRAINS, PATCHES IN SLAB, MONITORING WELLS, EXPANSION JOINTS, CONDUITS, UTILITY VAULTS, GROUNDING RODS, VAPOR POINTS, SEAM ALONG WALL

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)

HANGAR HOT AIR (NO. 2 OIL)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is: OFFICE STEAM HEAT

Natural Gas	Fuel Oil no.2	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors HANGAR Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

HEATING VENTS IN OPPOSITE CORNERS OF HANGAR, DUCT WORK IS UNINSULATED DUCT WORK W/ ARIEL VENTS. CIRCULAR CEILING FANS. A/C DUCTS IN LOUNGE/OFFICE.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	OFFICE SPACE, LOUNGE, KITCHEN, WASHROOM, STORAGE, HANGAR FOR CEILING AND LIGHT MAINTENANCE
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) / N

b. Does the garage have a separate heating unit? (Y) / N / NA HOT AIR

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) (Y) / N / NA Please specify JETS AIRPLANES

d. Has the building ever had a fire? Y / (N) When? NOT AWARE

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? SIDES OF HANGAR

g. Is there smoking in the building? Y / (N) How frequently?

h. Have cleaning products been used recently? (Y) / N When & Type? HANGAR

i. Have cosmetic products been used recently? (Y) / N When & Type?

1st floor no new rugs or paint w/in the last 6 months
2nd floor sections of rugs replaced w/in the last 6 months
2nd floor has been painted w/in the last 6 months

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? WASHROOM

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? OUTSIDE

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: CLEANERS

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N **Date of Installation:** _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

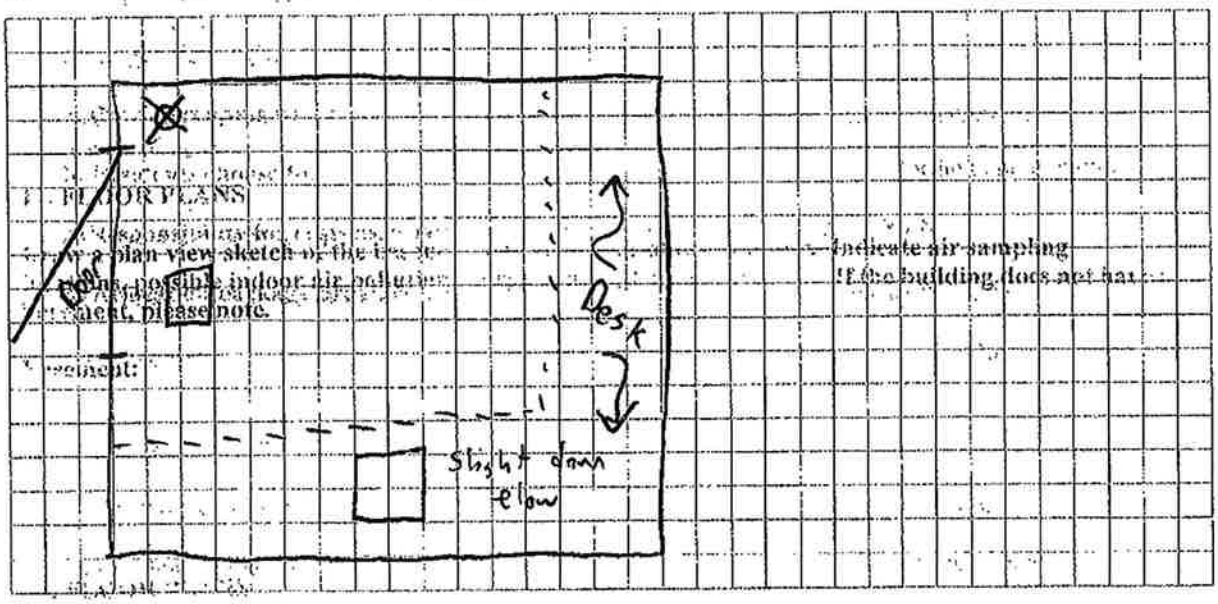
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

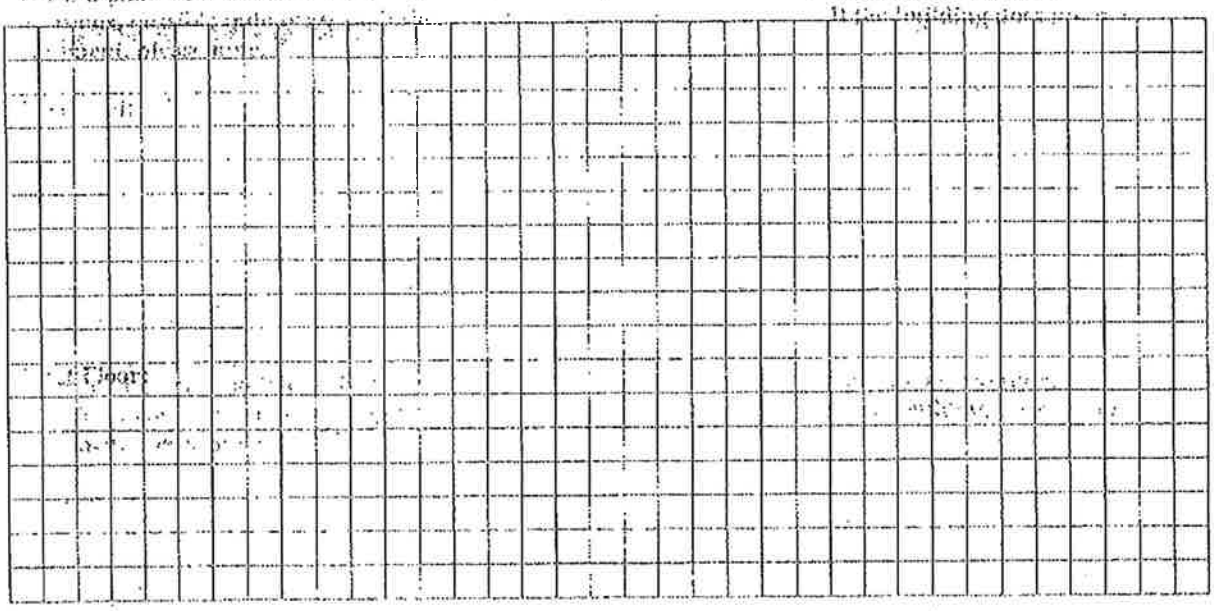
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

~~Basement:~~ SSV-1 office Sue 12/19/14



First Floor:

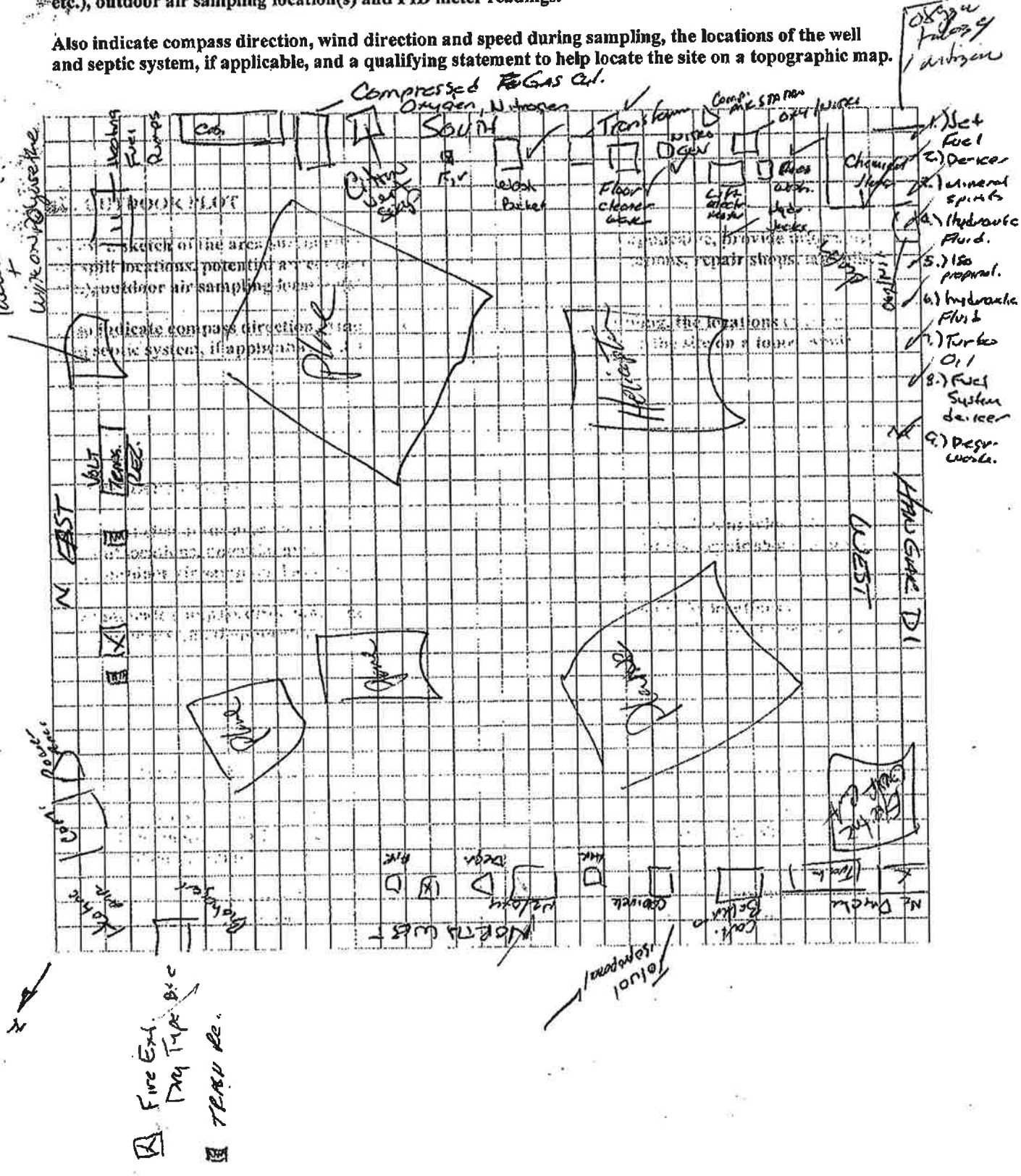


12/19/08

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



8 A

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MiniRAE PID #11567

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) ppm	Photo** Y / N
all around hangar	fire extinguisher	20lbs	UO	standard dry chemical B+C class	0	
on cart	polyurathane can	1qt.	D	polyurathane	0	
various	trash receptical		U		0	
on transformer	windex	2gal.	U	alcohol	0	
N side of hangar	transformer		U	dielectric fluid?	0	
	Flama				0	
E of hangar	nitrogen tank	4' canister	U	nitrogen HH HH III	0	
E of hangar	oxygen tank	"	U	oxygen HH HH II	0	
NE corner	fuel pumps	2	U	fuel oil	0	
E wall	malco econo wash concentrate	5gal	U	see below	0	
"	simple green aircraft cleaner	32oz.	U		0	
"	cascade	50oz		bleach	0	
"	glosswax	10oz		wax	0	
"	plastic cleaner	2x 16oz	U	CAS 64742-88-7	0	
"	spray nine	25oz		disinfectant/cleaner	0	
"	odor eliminator	32oz			0	
"	leather cleaner wipes				0	
"	leather conditioner	5oz			0	
"	finished leather cleaner	8oz.			0	

* 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.

* cocodiethanalamide (CAS 8051-30-7), (Alkylbenzene sulfanate olefin sulfanate, salt)

Alkylphenol ethoxylate sulfonate (CAS 9016-45-9)

8 C

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Gmd

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
In offices closest to hangar	Clorox wipes		U	disinfectant/bleach	0	
	Clorox spray	22oz	U	bleach	0	
In offices nearest road	lysol spray	spray	U		0	
	Cascade		UO		0	
	clorox		U		0	
	shaver tub + tile cleaner	spray	U		0	
upstairs offices	hand cleaner	18oz	U		0	
Southwall	soap citrus vent	spray	U	potassium sorbate, sodium citrate, potassium oleate, decyl glucoside, Cyanuch, tetrasodium EDTA, sodium hydroxide	0	
NE wall	mixing lacquer	32 FlOz	UO	1800 523 9299	0	
NE wall	mixing lacquer polyurethane	16 FlOz	U	N/A	0	

* 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.

8 B

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Gve

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
SE Corner	55gallon drum (plastic) sump fuel only	55gal	U	jet fuel	0.0	
"	de-icing	55gal	U	alcohol	0	
"	mineral spirits	55gal	U	mineral spirits ✓	0	
"	unlabeled drum	55gal	U	used oil?	0	
"	oil charge cans	5gal	U	used oil	0	
"	hydrolic fluid	5gal	U	hydrolic fluid	0	
"	polyethylene sprayer	3gal	U	polyethylene	0	
"	lavatory waste	30gal	U		0	
"	turbine engine oil	1qt.	U	oil	0	
West Side	methanol	1gal	U	methanol ✓	0	
"	isopropanol 99%	1gal	U	isopropanol ✓	0	
"	Toluol	1qt.	U	Toluol ✓	0	
"	a/c Safe wash	1gal	U	? ✓	0	
"	oxyclean	13oz.	U	✓	0	
"	detergent cloths	2gal	U	✓	0	
"	Clorox bleach	1gal	U	✓	0	
"	open sewer pipe in closet		U	✓	0	
N side	release agent dry lubricant	Spray	U	PTFE ✓	0	

* 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.

GENERAL PROCEDURES CHECKLIST

Date: 12/19/08

The following equipment will be requisitioned and inspected prior to the commencement of field activities at the Former Texaco Hangar, located in White Plains, New York.

Equipment Information			
1. PID with an 10.2 eV lamp (or equivalent) available:	X		
• Unit in working order	X		
• Unit calibrated according to manufacturer's specification	X		
2a. Water level probe available:			X
• Unit is in working order			X
• Unit has been decontaminated			X
2b. pH/Conductivity/eH probe available:			X
• Unit is in working order			X
• Unit has been decontaminated			X
2c. Temperature probe available:			X
• Unit is in working order			X
• Unit has been decontaminated			X
2d. Turbidity meter available:			X
• Unit is in working order			X
• Unit has been decontaminated			X
2e. Disposable bailers and filters:			X
• Units have been ordered and received			X
• Spare parts are on hand			X

Equipment Information	Y	N	N/A
3. Proper drilling/sampling tools available:			✓
• Equipment is in good shape			✓
• Equipment has been decontaminated			✓
4. All instruments successfully calibrated daily as required:	✓		
5. Pry bar available for removing man way covers (if needed):	✓		
6. Clean plastic sheeting available:			✓
7. Coolers available:			✓
8. Proper preservatives as listed in Section 4.0 of QAPP:			✓
9. Proper sample containers as listed in Section 4.0 of the QAPP Work Scope available:	✓		
10. Field notebook and writing utensils available:	✓		
11. Chain-of-Custody forms are available	✓		
12. Sample labels and custody seals are available	✓		
13. Decontamination equipment/supplies are available:	✓		
• Liquinox	✓		
12. Sample labels and custody seals are available	✓		
13. Decontamination equipment/supplies are available:	✓		
• Liquinox	✓		
• Distilled water	✓		
• Methanol			
• Nitric Acid			
• Cow trough & other buckets			
• Steam cleaner			
• Containers for waste water available	✓		✓

Equipment Information	Y	N	N/A
14. Work gloves are available:	Y		
15. Nitrile sampling gloves are available:	Y		
16. Tools, spare fittings, fuses, batteries, etc.:	Y		
17. Trip blanks and water for field blanks sent from the lab:			N
18. Aluminum foil for head space analysis:			N

N = No Y = Yes N/A = Not Applicable

IAQ Field Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York
Hangar D

Date: 12/19/08
Time: 0600
Weather: Snow
Temperature: 30°F

Humidity: 70%
Wind Magnitude: Calm
Wind Direction: —
Barometric Pressure: 30.22
Falling or rising: Falling

Sampling Personnel: Rob Borrow
Sample Location: Former Landmark Air. Reception Desk

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present):

Vacant

Calibrate helium detector: _____ (yes or no)
Sample depth: _____ (Feet below grade)
Sealed at land surface and rod tip: _____ (yes or no)
Purge rate: _____ (Must be < 0.2 L/min)
Purge time: _____
Helium rate at enclosure: _____
Helium rate from sample tubing: _____ <20% of the rate at the enclosure?

If the helium readings have a greater ratio than 20%, the seals should be rechecked and the tracer gas should be reapplied.

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 equipped with an eight-hour regulator.

Is the summa canister certified clean and within the proper holding time? Yes

Starting pressure: 29"Hg
Starting time: 0710
Ending time: 1510
Ending pressure: 4.5

Summa canister ID: 31434
Flow regulator ID: 31434
Sample ID: Former Landmark Aviation Reception Desk
Time: ~~0700~~ 0719/1520
Analysis: COC

IAQ Field Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York
Hangar D

Date: 12/19/08
Time: 0710
Weather: overcast
Temperature: 30°F

Humidity: 70%
Wind Magnitude: Calm
Wind Direction: —
Barometric Pressure: 30.22
Falling or rising: Falling

Sampling Personnel: Rich Brown
Sample Location: Passenger Lounge Coffee Table

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present):

overcast

Calibrate helium detector: _____ (yes or no)
Sample depth: _____ (Feet below grade)
Sealed at land surface and rod tip: _____ (yes or no)
Purge rate: _____ (Must be < 0.2 L/min)
Purge time: _____
Helium rate at enclosure: _____
Helium rate from sample tubing: _____ <20% of the rate at the enclosure?

If the helium readings have a greater ratio than 20%, the seals should be rechecked and the tracer gas should be reapplied.

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 equipped with an eight-hour regulator.

Is the summa canister certified clean and within the proper holding time? ✓ Yes

Starting pressure: 30" Hg
Starting time: 0715
Ending time: ~~1445~~ 1505
Ending pressure: 7.0

Summa canister ID: 993
Flow regulator ID: 993
Sample ID: Passenger Lounge
Time: 0715 / 1505
Analysis: VOC

IAQ Field Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York
Hangar D

Date: 12/19/2008
Time: 07:55 hrs.
Weather: Overcast 30°F
Temperature: 30° Fahrenheit
Humidity: 70%
Wind Magnitude: Calm
Wind Direction: _____
Barometric Pressure: _____
Falling or rising: Falling

Sampling Personnel: R. Brown, J. Simms
Sample Location: Eastway Aviation Sub-Slab

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present):

Calibrate helium detector: Zeroed (yes or no)
Sample depth: Unknown (Feet below grade)
Sealed at land surface and rod tip: Yes (yes or no)
Purge rate: ~~1 L/min~~ 0.0583 (Must be < 0.2 L/min)
Purge time: 1 min.
Helium rate at enclosure: 4×10^{-4}
Helium rate from sample tubing: 0×10^{-4} <20% of the rate at the enclosure?

If the helium readings have a greater ratio than 20%, the seals should be rechecked and the tracer gas should be reapplied.

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 equipped with an eight-hour regulator.

Is the summa canister certified clean and within the proper holding time? Yes

Starting pressure: -28.5" Hg
Starting time: 08:13 hr.
Ending time: 1535
Ending pressure: 9.5

Summa canister ID: 34389
Flow regulator ID: 34389
Sample ID: Eastway Aviation Sub-slab
Time:
Analysis: TO-15 Hi-Lo

IAQ Field Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York
Hangar D

Date: 12/19/2008
Time: 08:15 hrs.
Weather: Overcast 30°F
Temperature: 30° Fahrenheit

Humidity: 70%
Wind Magnitude: Calm
Wind Direction: Variable
Barometric Pressure:
Falling or rising: Falling

Sampling Personnel: J. Simms
Sample Location: Eastway Aviation IAQ (office)

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present):

Calibrate helium detector: Zeroed (yes or no)
Sample depth: N/A (Feet below grade)
Sealed at land surface and rod tip: N/A (yes or no)
Purge rate: N/A (Must be < 0.2 L/min)
Purge time: N/A
Helium rate at enclosure: N/A
Helium rate from sample tubing: N/A <20% of the rate at the enclosure?

If the helium readings have a greater ratio than 20%, the seals should be rechecked and the tracer gas should be reapplied.

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 equipped with an eight-hour regulator.

Is the summa canister certified clean and within the proper holding time? Yes

Starting pressure: 28.5" Hg
Starting time: 08:17 hrs.
Ending time: 1540
Ending pressure: 8-0

Summa canister ID: 0911
Flow regulator ID: 0914
Sample ID: Eastway Aviation IAQ
Time:
Analysis: TO-15 Hi-Lo

IAQ Field Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York
Hangar D

Date: 12/19/2008
Time: 08:30 hrs.
Weather: Overcast
Temperature: 30° Fahrenheit

Humidity: 70%
Wind Magnitude: Calm
Wind Direction: Variable
Barometric Pressure:
Falling or rising: Falling

Sampling Personnel: J. Simms R. Brown
Sample Location: Fmr. Landmark Aviation Lounge Closet

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present):

Calibrate helium detector: Yes (yes or no)
Sample depth: Unknown (Feet below grade)
Sealed at land surface and rod tip: Yes (yes or no)
Purge rate: ~~0.1 L/min~~ 0.0875 L/min. (Must be < 0.2 L/min)
Purge time: 1 min.
Helium rate at enclosure: 7×10^{-4}
Helium rate from sample tubing: 0×10^{-4} <20% of the rate at the enclosure?

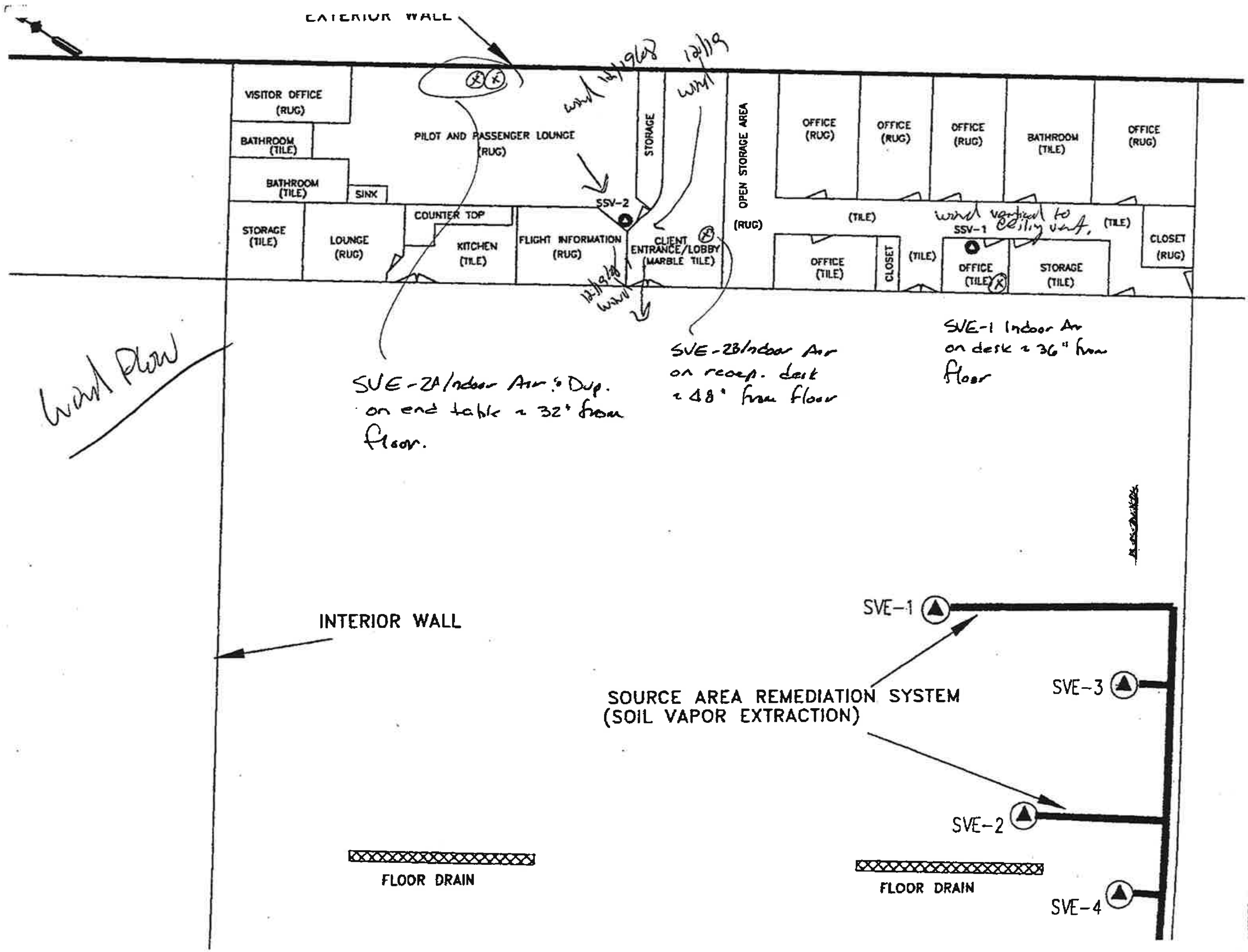
If the helium readings have a greater ratio than 20%, the seals should be rechecked and the tracer gas should be reapplied.

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 equipped with an eight-hour regulator.

Is the summa canister certified clean and within the proper holding time? Yes

Starting pressure: -30 "Hg
Starting time: 08.38 hrs
Ending time: 15:50
Ending pressure: 10-0

Summa canister ID: 34375
Flow regulator ID: 34375
Sample ID: Fmr. Landmark Aviation Lounge Closet Sub-slab
Time:
Analysis: TO-15 Hi-Lo


EXTERIOR WALL
VISITOR OFFICE (RUG)
BATHROOM (TILE)
BATHROOM (TILE)
SINK
PILOT AND PASSENGER LOUNGE (RUG)
STORAGE
OPEN STORAGE AREA (RUG)
OFFICE (RUG)
OFFICE (RUG)
OFFICE (RUG)
BATHROOM (TILE)
OFFICE (RUG)
STORAGE (TILE)
LOUNGE (RUG)
COUNTER TOP
KITCHEN (TILE)
FLIGHT INFORMATION (RUG)
SSV-2
CLIENT ENTRANCE/LOBBY (MARBLE TILE)
(TILE)
OFFICE (TILE)
CLOSET
(TILE)
SSV-1
OFFICE (TILE)
STORAGE (TILE)
(TILE)
CLOSET (RUG)
wind 12/19/08
12/19 wind
12/19/08 wind
wind vertical to ceiling vent.
Wind Flow
SVE-2A/Indoor Air & Dup. on end table ≈ 32" from floor.
SVE-2B/Indoor Air on recep. desk ≈ 48" from floor
SVE-1 Indoor Air on desk ≈ 36" from floor
INTERIOR WALL
SVE-1
SVE-3
SOURCE AREA REMEDIATION SYSTEM (SOIL VAPOR EXTRACTION)
SVE-2
FLOOR DRAIN
FLOOR DRAIN
SVE-4

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager Ms. Anne Proctor
Collected by: (Print and Sign) Rich Brown
Company GES/Woodside Curran Email aproctor@woodsidecurran.com
Address 1520 Highland Ave City Cheshire State CT Zip 06410
Phone 203-271-0379 Fax 203-271-7852

Project Info:
P.O. #
Project # 1101379 (GES)
Project Name Hangar D, LCA

Turn Around Time:
☑ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
	~~SSV-2B~~ Lobby Desk	31434	12/19/08	1500	TO-15 H/Lows Full List *	29.0	4.5		
	SSV-2A Passenger Lounge	9913	12/19/08	1505	TO-15 H/Lows Full List *	30.0	7.0		
	Eastern Aviation Subl. SSV1	34389	12/19/08	1535	TO-15 H/Lows Full List *	28.5	9.5		
	Eastern Aviation IAC SSV1B	9544	12/19/08	1540	TO-15 H/Lows Full List *	28.5	8.0		
	Eastern Aviation Lounge SSV2B Subl. SSV2	34375	12/19/08	1550	TO-15 H/Lows Full List *	30.0	10.0		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Rich Brown	12/19/08 1900	J. Lamm	12/22/08 08.00 hrs
Rich Brown	12/22/08 1700	FedEx	12/22/08 1700

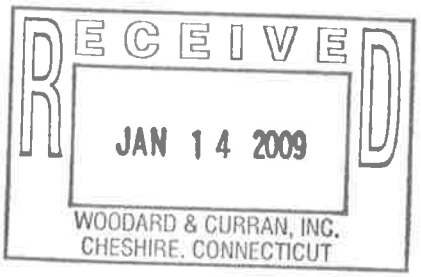
Notes: COC's 1,1,1-TCE, 1,1-DCE, 1,2-DCA, Cis-1,2-DCE Chloroform Tetrachloroethene, Trans-1,2-DCE Chloroethane, Vinyl Chloride, Methylene Chloride, TCE

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact? Yes No None	Work Order #

Form 1293 rev.11

APPENDIX C

New Jersey
ACCUTEST.
Laboratories



01/12/09

Technical Report for

Woodard & Curran

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

PO#4509465274 WBS#08

Accutest Job Number: JA8602X

Sampling Date: 12/19/08

Report to:

Woodard & Curran
1520 Highland Avenuet
Cheshire, CT 06410

ATTN: Anne Proctor

Total number of pages in report:

ACCREDITED IN ACCORDANCE WITH nelac

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.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

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

Accutest Laboratories

Sample Summary

Woodard & Curran

Job No: JA8602X

ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY
Project No: PO#4509465274 WBS#08

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA8602-1X	12/19/08	11:46	RB	12/23/08	AIR	Air	01A SSV-2B LOBBY DESK
JA8602-2X	12/19/08	11:51	RB	12/23/08	AIR	Air	02A SSV-2A PASSENGER LOUNGE
JA8602-3X	12/19/08	00:00	RB	12/23/08	AIR	Air	03A EASTWAY AVIAITION SUB SLAB SSV1
JA8602-4X	12/19/08	00:00	RB	12/23/08	AIR	Air	04A EASTWAY AVIAITION IAQ SSV1B
JA8602-5X	12/19/08	00:00	RB	12/23/08	AIR	Air	05A FMR LANDMARK AVIATION LOUNGE CLOSET STORAGE

78602X

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: Ms. Anne Proctor
Collected by: (Print and Sign) Rick Brown [signature]
Company: GES/Woodard & Curran Email: aproctor@woodardcurran.com
Address: 1520 Highland Ave City: Cheshire State: CT Zip: 06410
Phone: 203-271-0379 Fax: 203-271-7952

Project Info:
P.O. #
Project #: 1101379 (GES)
Project Name: Hangar D, WCA

Turn Around Time: ☒ Normal ☐ Rush (specify)

Lab Use Only — Pressurized by: Date: Pressurization Gas: N2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01AB	SSV-2B Lobby Desk	31434	12/19/08	1500	TO-15 Hi/Low Full List *	29.0	4.5		
02AB	SSV-2A Passenger Lounge	4913	12/19/08	1505	TO-15 Hi/Low Full List *	30.0	7.0		
03AB	Eastern Aviation Sub Slab SSV1	34389	12/19/08	1535	TO-15 Hi/Low Full List *	28.5	9.5		
04AB	Eastern Aviation IAQ SSV1B	9944	12/19/08	1540	TO-15 Hi/Low Full List *	28.5	8.0		
05AB	Former Lindsey Aviation Janitorial Closet SSV2 Sub Slab	34375	12/19/08	1550	TO-15 Hi/Low Full List *	30.0	10.0		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Rick Brown	12/19/08 1900	J. Semon	12/22/08 08.00 Hrs
[signature]	12/22/08 1700	Fed Ex	12/22/08 1700
		Monica Gregen	AR 12/23/08 0900

Notes: COC's 1,1,1-TCE, 1,1-DCE, 1,2-DCA, cis-1,2-DCE, Chloroform, Tetrachloroethene, trans-1,2-DCE, Chloroethane, Vinyl Chloride, methylene chloride, TCE

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		NA	Good	Yes No None (Yes circled)	0812644

Form 1293 rev.11

SUBCONTRACT DATA

Air Toxics LTD.

JA8602X

AN ENVIRONMENTAL ANALYTICAL LABORATORY

1/9/2009

Mr. Matt Cordova
Accutest
2235 Route 130
Building B
Dayton NJ 08810

Project Name: Hongor D, WCA
Project #: 1101379 (GES)

Dear Mr. Matt Cordova

The following report includes the data for the above referenced project for sample(s) received on 12/23/2008 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Bryanna Langley

Bryanna Langley
Project Manager

This Report Has Been
Spot-Check Reviewed By
The Accutest QA Staff.

Reviewer _____

Review Date 1/13/09

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0812644

Work Order Summary

CLIENT:	Mr. Matt Cordova Accutest 2235 Route 130 Building B Dayton, NJ 08810	**BILL TO:**	Mr. Matt Cordova Accutest 2235 Route 130 Building B Dayton, NJ 08810
PHONE:	732-329-0200 x 214	**P.O. #**	
FAX:	732-329-3499	**PROJECT #**	1101379 (GES) Hongor D, WCA
DATE RECEIVED:	12/23/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	01/09/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SSV-2B Lobby Desk	Modified TO-15	5.5 "Hg	5 psi
01B	SSV-2B Lobby Desk	Modified TO-15	5.5 "Hg	5 psi
02A	SSV-2A Passenger Lounge	Modified TO-15	7.5 "Hg	5 psi
02B	SSV-2A Passenger Lounge	Modified TO-15	7.5 "Hg	5 psi
03A	Eastway Aviaition Sub Slab SSV1	Modified TO-15	10.0 "Hg	5 psi
03B	Eastway Aviaition Sub Slab SSV1	Modified TO-15	10.0 "Hg	5 psi
04A	Eastway Aviaition IAQ SSV1B	Modified TO-15	10.0 "Hg	5 psi
04AA	Eastway Aviaition IAQ SSV1B Lab Duplicate	Modified TO-15	10.0 "Hg	5 psi
04B	Eastway Aviaition IAQ SSV1B	Modified TO-15	10.0 "Hg	5 psi
04BB	Eastway Aviaition IAQ SSV1B Lab Duplicate	Modified TO-15	10.0 "Hg	5 psi
05A	Fmr landmark Aviation Lounge Closet Sub S	Modified TO-15	9.5 "Hg	5 psi
05B	Fmr landmark Aviation Lounge Closet Sub S	Modified TO-15	9.5 "Hg	5 psi
06A	Lab Blank	Modified TO-15	NA	NA
06B	Lab Blank	Modified TO-15	NA	NA
07A	CCV	Modified TO-15	NA	NA
07B	CCV	Modified TO-15	NA	NA
08A	LCS	Modified TO-15	NA	NA

Continued on next page

Air Toxics LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0812644

Work Order Summary

CLIENT:	Mr. Matt Cordova Accutest 2235 Route 130 Building B Dayton, NJ 08810	**BILL TO:**	Mr. Matt Cordova Accutest 2235 Route 130 Building B Dayton, NJ 08810
PHONE:	732-329-0200 x 214	**P.O. #**	
FAX:	732-329-3499	**PROJECT #**	1101379 (GES) Hongor D, WCA
DATE RECEIVED:	12/23/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	01/09/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
08B	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Truman DATE: 01/09/09

Laboratory Director

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
Accutest
Workorder# 0812644

Five 6 Liter Summa Canister (100% Certified) samples were received on December 23, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: SSV-2B Lobby Desk

Lab ID#: 0812644-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.54	0.81	2.6
Chloromethane	0.16	0.41	0.34	0.85
Freon 11	0.16	0.36	0.92	2.0
Ethanol	0.82	7.7	1.5	14
Acetone	0.82	2.1	1.9	4.9
2-Propanol	0.82	1.2	2.0	2.8
Hexane	0.16	0.24	0.58	0.84
2-Butanone (Methyl Ethyl Ketone)	0.16	0.28	0.48	0.82
Benzene	0.16	0.30	0.52	0.97
Heptane	0.16	0.18	0.67	0.73
Toluene	0.16	0.66	0.62	2.5
m,p-Xylene	0.16	0.22	0.71	0.96

Client Sample ID: SSV-2B Lobby Desk

Lab ID#: 0812644-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.033	0.12	0.18	0.64

Client Sample ID: SSV-2A Passenger Lounge

Lab ID#: 0812644-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.56	0.88	2.8
Chloromethane	0.18	0.54	0.37	1.1
Freon 11	0.18	0.43	1.0	2.4
Ethanol	0.90	10	1.7	20
Acetone	0.90	2.3	2.1	5.4
2-Propanol	0.90	1.4	2.2	3.4
Hexane	0.18	0.18	0.63	0.65
2-Butanone (Methyl Ethyl Ketone)	0.18	0.47	0.53	1.4
Benzene	0.18	0.28	0.57	0.89
Toluene	0.18	0.62	0.67	2.3
m,p-Xylene	0.18	0.27	0.78	1.2

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: SSV-2A Passenger Lounge

Lab ID#: 0812644-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.036	0.056	0.19	0.30

Client Sample ID: Eastway Aviaition Sub Slab SSV1

Lab ID#: 0812644-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.34	0.87	1.6	4.3
Chloromethane	0.34	0.60	0.69	1.2
Freon 11	0.34	0.71	1.9	4.0
Ethanol	1.7	120	3.2	220
Acetone	1.7	81	4.0	190
2-Propanol	1.7	37	4.1	92
Methylene Chloride	0.67	0.92	2.3	3.2
Hexane	0.34	5.3	1.2	19
2-Butanone (Methyl Ethyl Ketone)	0.34	44	0.99	130
Tetrahydrofuran	1.7	24	4.9	71
Cyclohexane	0.34	4.5	1.2	16
Benzene	0.34	0.85	1.1	2.7
Heptane	0.34	7.6	1.4	31
4-Methyl-2-pentanone	0.34	2.4	1.4	9.9
Toluene	0.34	54	1.3	200
Tetrachloroethene	0.34	2.1	2.3	14
Ethyl Benzene	0.34	4.6	1.4	20
m,p-Xylene	0.34	16	1.4	68
o-Xylene	0.34	6.2	1.4	27
Styrene	0.34	0.75	1.4	3.2
Cumene	0.34	0.51	1.6	2.5
Propylbenzene	0.34	0.68	1.6	3.4
4-Ethyltoluene	0.34	3.1	1.6	15
1,3,5-Trimethylbenzene	0.34	1.1	1.6	5.5
1,2,4-Trimethylbenzene	0.34	3.4	1.6	17

Client Sample ID: Eastway Aviaition Sub Slab SSV1

Lab ID#: 0812644-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: Eastway Aviaition Sub Slab SSV1

Lab ID#: 0812644-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.067	0.23	0.36	1.2

Client Sample ID: Eastway Aviaition IAQ SSV1B

Lab ID#: 0812644-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.20	0.57	0.99	2.8
Chloromethane	0.20	0.49	0.42	1.0
Freon 11	0.20	0.26	1.1	1.5
Ethanol	1.0	4.5	1.9	8.6
Acetone	1.0	1.6	2.4	3.8
Hexane	0.20	0.22	0.71	0.78
Benzene	0.20	0.30	0.64	0.95
Heptane	0.20	0.20	0.82	0.84
Toluene	0.20	0.75	0.76	2.8
m,p-Xylene	0.20	0.29	0.87	1.3
4-Ethyltoluene	0.20	0.22	0.99	1.1
1,2,4-Trimethylbenzene	0.20	0.27	0.99	1.4

Client Sample ID: Eastway Aviaition IAQ SSV1B Lab Duplicate

Lab ID#: 0812644-04AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.20	0.54	0.99	2.6
Chloromethane	0.20	0.51	0.42	1.1
Freon 11	0.20	0.28	1.1	1.6
Ethanol	1.0	5.1	1.9	9.6
Acetone	1.0	1.9	2.4	4.5
2-Propanol	1.0	1.0	2.5	2.4
Hexane	0.20	0.23	0.71	0.80
2-Butanone (Methyl Ethyl Ketone)	0.20	0.24	0.59	0.70
Benzene	0.20	0.31	0.64	1.0
Heptane	0.20	0.21	0.82	0.86
Toluene	0.20	0.80	0.76	3.0
m,p-Xylene	0.20	0.33	0.87	1.4
4-Ethyltoluene	0.20	0.25	0.99	1.2

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: Eastway Aviaition IAQ SSV1B Lab Duplicate

Lab ID#: 0812644-04AA

1,2,4-Trimethylbenzene	0.20	0.27	0.99	1.4

Client Sample ID: Eastway Aviaition IAQ SSV1B

Lab ID#: 0812644-04B

No Detections Were Found.

Client Sample ID: Eastway Aviaition IAQ SSV1B Lab Duplicate

Lab ID#: 0812644-04BB

No Detections Were Found.

Client Sample ID: Fmr landmark Aviation Lounge Closet Sub Slab SSV2

Lab ID#: 0812644-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.20	0.32	0.97	1.6
Freon 11	0.20	0.73	1.1	4.1
Ethanol	0.98	99 E	1.8	190 E
Acetone	0.98	54	2.3	130
2-Propanol	0.98	31	2.4	77
Hexane	0.20	2.4	0.69	8.6
2-Butanone (Methyl Ethyl Ketone)	0.20	32	0.58	95
Tetrahydrofuran	0.98	11	2.9	34
1,1,1-Trichloroethane	0.20	0.62	1.1	3.4
Cyclohexane	0.20	2.3	0.67	8.1
Benzene	0.20	0.95	0.63	3.0
Heptane	0.20	3.7	0.80	15
4-Methyl-2-pentanone	0.20	2.3	0.80	9.5
Toluene	0.20	32	0.74	120
Tetrachloroethene	0.20	0.57	1.3	3.9
Ethyl Benzene	0.20	2.6	0.85	11
m,p-Xylene	0.20	8.1	0.85	35
o-Xylene	0.20	3.7	0.85	16
Styrene	0.20	0.51	0.83	2.2
Propylbenzene	0.20	0.44	0.96	2.2
4-Ethyltoluene	0.20	1.9	0.96	9.3
1,3,5-Trimethylbenzene	0.20	0.70	0.96	3.5
1,2,4-Trimethylbenzene	0.20	2.2	0.96	11

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: Fmr landmark Aviation Lounge Closet Sub Slab SSV2

Lab ID#: 0812644-05B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.039	0.64	0.21	3.4

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SSV-2B Lobby Desk

Lab ID#: 0812644-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010718**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.64**	**Date of Analysis:**	**1/8/09 12:16 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.54	0.81	2.6
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.41	0.34	0.85
1,3-Butadiene	0.16	Not Detected	0.36	Not Detected
Bromomethane	0.16	Not Detected	0.64	Not Detected
Chloroethane	0.16	Not Detected	0.43	Not Detected
Freon 11	0.16	0.36	0.92	2.0
Ethanol	0.82	7.7	1.5	14
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Acetone	0.82	2.1	1.9	4.9
2-Propanol	0.82	1.2	2.0	2.8
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
Methylene Chloride	0.33	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Hexane	0.16	0.24	0.58	0.84
1,1-Dichloroethane	0.16	Not Detected	0.66	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	0.28	0.48	0.82
cis-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
Chloroform	0.16	Not Detected	0.80	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.89	Not Detected
Cyclohexane	0.16	Not Detected	0.56	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
Benzene	0.16	0.30	0.52	0.97
1,2-Dichloroethane	0.16	Not Detected	0.66	Not Detected
Heptane	0.16	0.18	0.67	0.73
1,2-Dichloropropane	0.16	Not Detected	0.76	Not Detected
1,4-Dioxane	0.16	Not Detected	0.59	Not Detected
Bromodichloromethane	0.16	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.74	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.67	Not Detected
Toluene	0.16	0.66	0.62	2.5
trans-1,3-Dichloropropene	0.16	Not Detected	0.74	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.89	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.82	Not Detected	3.4	Not Detected
Dibromochloromethane	0.16	Not Detected	1.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SSV-2B Lobby Desk

Lab ID#: 0812644-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010718**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.64**	**Date of Analysis:**	**1/8/09 12:16 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.3	Not Detected
Chlorobenzene	0.16	Not Detected	0.76	Not Detected
Ethyl Benzene	0.16	Not Detected	0.71	Not Detected
m,p-Xylene	0.16	0.22	0.71	0.96
o-Xylene	0.16	Not Detected	0.71	Not Detected
Styrene	0.16	Not Detected	0.70	Not Detected
Bromoform	0.16	Not Detected	1.7	Not Detected
Cumene	0.16	Not Detected	0.81	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.81	Not Detected
4-Ethyltoluene	0.16	Not Detected	0.81	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.81	Not Detected
1,2,4-Trimethylbenzene	0.16	Not Detected	0.81	Not Detected
1,3-Dichlorobenzene	0.16	Not Detected	0.99	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.99	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.85	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.99	Not Detected
1,2,4-Trichlorobenzene	0.82	Not Detected	6.1	Not Detected
Hexachlorobutadiene	0.82	Not Detected	8.7	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SSV-2B Lobby Desk

Lab ID#: 0812644-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010718sim**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.64**	**Date of Analysis:**	**1/8/09 12:16 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.033	0.12	0.18	0.64
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SSV-2A Passenger Lounge

Lab ID#: 0812644-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010720**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.79**	**Date of Analysis:**	**1/8/09 01:34 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.56	0.88	2.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.54	0.37	1.1
1,3-Butadiene	0.18	Not Detected	0.40	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.43	1.0	2.4
Ethanol	0.90	10	1.7	20
Freon 113	0.18	Not Detected	1.4	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Acetone	0.90	2.3	2.1	5.4
2-Propanol	0.90	1.4	2.2	3.4
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
Methylene Chloride	0.36	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Hexane	0.18	0.18	0.63	0.65
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.18	0.47	0.53	1.4
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Cyclohexane	0.18	Not Detected	0.62	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.28	0.57	0.89
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Heptane	0.18	Not Detected	0.73	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
1,4-Dioxane	0.18	Not Detected	0.64	Not Detected
Bromodichloromethane	0.18	Not Detected	1.2	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
4-Methyl-2-pentanone	0.18	Not Detected	0.73	Not Detected
Toluene	0.18	0.62	0.67	2.3
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.18	Not Detected	1.5	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SSV-2A Passenger Lounge

Lab ID#: 0812644-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010720**	**Date of Collection: 12/19/08**	
Dil. Factor:	**1.79**	**Date of Analysis: 1/8/09 01:34 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	Not Detected	0.78	Not Detected
m,p-Xylene	0.18	0.27	0.78	1.2
o-Xylene	0.18	Not Detected	0.78	Not Detected
Styrene	0.18	Not Detected	0.76	Not Detected
Bromoform	0.18	Not Detected	1.8	Not Detected
Cumene	0.18	Not Detected	0.88	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
Propylbenzene	0.18	Not Detected	0.88	Not Detected
4-Ethyltoluene	0.18	Not Detected	0.88	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,2,4-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SSV-2A Passenger Lounge

Lab ID#: 0812644-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010720sim**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.79**	**Date of Analysis:**	**1/8/09 01:34 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.036	0.056	0.19	0.30
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition Sub Slab SSV1

Lab ID#: 0812644-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010722**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**3.35**	**Date of Analysis:**	**1/8/09 02:40 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.34	0.87	1.6	4.3
Freon 114	0.34	Not Detected	2.3	Not Detected
Chloromethane	0.34	0.60	0.69	1.2
1,3-Butadiene	0.34	Not Detected	0.74	Not Detected
Bromomethane	0.34	Not Detected	1.3	Not Detected
Chloroethane	0.34	Not Detected	0.88	Not Detected
Freon 11	0.34	0.71	1.9	4.0
Ethanol	1.7	120	3.2	220
Freon 113	0.34	Not Detected	2.6	Not Detected
1,1-Dichloroethene	0.34	Not Detected	1.3	Not Detected
Acetone	1.7	81	4.0	190
2-Propanol	1.7	37	4.1	92
Carbon Disulfide	1.7	Not Detected	5.2	Not Detected
Methylene Chloride	0.67	0.92	2.3	3.2
Methyl tert-butyl ether	0.34	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.34	Not Detected	1.3	Not Detected
Hexane	0.34	5.3	1.2	19
1,1-Dichloroethane	0.34	Not Detected	1.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.34	44	0.99	130
cis-1,2-Dichloroethene	0.34	Not Detected	1.3	Not Detected
Tetrahydrofuran	1.7	24	4.9	71
Chloroform	0.34	Not Detected	1.6	Not Detected
1,1,1-Trichloroethane	0.34	Not Detected	1.8	Not Detected
Cyclohexane	0.34	4.5	1.2	16
Carbon Tetrachloride	0.34	Not Detected	2.1	Not Detected
Benzene	0.34	0.85	1.1	2.7
1,2-Dichloroethane	0.34	Not Detected	1.4	Not Detected
Heptane	0.34	7.6	1.4	31
1,2-Dichloropropane	0.34	Not Detected	1.5	Not Detected
1,4-Dioxane	0.34	Not Detected	1.2	Not Detected
Bromodichloromethane	0.34	Not Detected	2.2	Not Detected
cis-1,3-Dichloropropene	0.34	Not Detected	1.5	Not Detected
4-Methyl-2-pentanone	0.34	2.4	1.4	9.9
Toluene	0.34	54	1.3	200
trans-1,3-Dichloropropene	0.34	Not Detected	1.5	Not Detected
1,1,2-Trichloroethane	0.34	Not Detected	1.8	Not Detected
Tetrachloroethene	0.34	2.1	2.3	14
2-Hexanone	1.7	Not Detected	6.9	Not Detected
Dibromochloromethane	0.34	Not Detected	2.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition Sub Slab SSV1

Lab ID#: 0812644-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010722**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**3.35**	**Date of Analysis:**	**1/8/09 02:40 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.34	Not Detected	2.6	Not Detected
Chlorobenzene	0.34	Not Detected	1.5	Not Detected
Ethyl Benzene	0.34	4.6	1.4	20
m,p-Xylene	0.34	16	1.4	68
o-Xylene	0.34	6.2	1.4	27
Styrene	0.34	0.75	1.4	3.2
Bromoform	0.34	Not Detected	3.5	Not Detected
Cumene	0.34	0.51	1.6	2.5
1,1,2,2-Tetrachloroethane	0.34	Not Detected	2.3	Not Detected
Propylbenzene	0.34	0.68	1.6	3.4
4-Ethyltoluene	0.34	3.1	1.6	15
1,3,5-Trimethylbenzene	0.34	1.1	1.6	5.5
1,2,4-Trimethylbenzene	0.34	3.4	1.6	17
1,3-Dichlorobenzene	0.34	Not Detected	2.0	Not Detected
1,4-Dichlorobenzene	0.34	Not Detected	2.0	Not Detected
alpha-Chlorotoluene	0.34	Not Detected	1.7	Not Detected
1,2-Dichlorobenzene	0.34	Not Detected	2.0	Not Detected
1,2,4-Trichlorobenzene	1.7	Not Detected	12	Not Detected
Hexachlorobutadiene	1.7	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition Sub Slab SSV1

Lab ID#: 0812644-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010722sim**	**Date of Collection: 12/19/08**	
Dil. Factor:	**3.35**	**Date of Analysis: 1/8/09 02:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.067	0.23	0.36	1.2
Vinyl Chloride	0.034	Not Detected	0.086	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition IAQ SSV1B

Lab ID#: 0812644-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010719**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**2.01**	**Date of Analysis:**	**1/8/09 12:56 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.20	0.57	0.99	2.8
Freon 114	0.20	Not Detected	1.4	Not Detected
Chloromethane	0.20	0.49	0.42	1.0
1,3-Butadiene	0.20	Not Detected	0.44	Not Detected
Bromomethane	0.20	Not Detected	0.78	Not Detected
Chloroethane	0.20	Not Detected	0.53	Not Detected
Freon 11	0.20	0.26	1.1	1.5
Ethanol	1.0	4.5	1.9	8.6
Freon 113	0.20	Not Detected	1.5	Not Detected
1,1-Dichloroethene	0.20	Not Detected	0.80	Not Detected
Acetone	1.0	1.6	2.4	3.8
2-Propanol	1.0	Not Detected	2.5	Not Detected
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
Methylene Chloride	0.40	Not Detected	1.4	Not Detected
Methyl tert-butyl ether	0.20	Not Detected	0.72	Not Detected
trans-1,2-Dichloroethene	0.20	Not Detected	0.80	Not Detected
Hexane	0.20	0.22	0.71	0.78
1,1-Dichloroethane	0.20	Not Detected	0.81	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.20	Not Detected	0.59	Not Detected
cis-1,2-Dichloroethene	0.20	Not Detected	0.80	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	0.20	Not Detected	0.98	Not Detected
1,1,1-Trichloroethane	0.20	Not Detected	1.1	Not Detected
Cyclohexane	0.20	Not Detected	0.69	Not Detected
Carbon Tetrachloride	0.20	Not Detected	1.3	Not Detected
Benzene	0.20	0.30	0.64	0.95
1,2-Dichloroethane	0.20	Not Detected	0.81	Not Detected
Heptane	0.20	0.20	0.82	0.84
1,2-Dichloropropane	0.20	Not Detected	0.93	Not Detected
1,4-Dioxane	0.20	Not Detected	0.72	Not Detected
Bromodichloromethane	0.20	Not Detected	1.3	Not Detected
cis-1,3-Dichloropropene	0.20	Not Detected	0.91	Not Detected
4-Methyl-2-pentanone	0.20	Not Detected	0.82	Not Detected
Toluene	0.20	0.75	0.76	2.8
trans-1,3-Dichloropropene	0.20	Not Detected	0.91	Not Detected
1,1,2-Trichloroethane	0.20	Not Detected	1.1	Not Detected
Tetrachloroethene	0.20	Not Detected	1.4	Not Detected
2-Hexanone	1.0	Not Detected	4.1	Not Detected
Dibromochloromethane	0.20	Not Detected	1.7	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition IAQ SSV1B

Lab ID#: 0812644-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010719**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**2.01**	**Date of Analysis:**	**1/8/09 12:56 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.20	Not Detected	1.5	Not Detected
Chlorobenzene	0.20	Not Detected	0.92	Not Detected
Ethyl Benzene	0.20	Not Detected	0.87	Not Detected
m,p-Xylene	0.20	0.29	0.87	1.3
o-Xylene	0.20	Not Detected	0.87	Not Detected
Styrene	0.20	Not Detected	0.86	Not Detected
Bromoform	0.20	Not Detected	2.1	Not Detected
Cumene	0.20	Not Detected	0.99	Not Detected
1,1,2,2-Tetrachloroethane	0.20	Not Detected	1.4	Not Detected
Propylbenzene	0.20	Not Detected	0.99	Not Detected
4-Ethyltoluene	0.20	0.22	0.99	1.1
1,3,5-Trimethylbenzene	0.20	Not Detected	0.99	Not Detected
1,2,4-Trimethylbenzene	0.20	0.27	0.99	1.4
1,3-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
1,4-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
alpha-Chlorotoluene	0.20	Not Detected	1.0	Not Detected
1,2-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected	7.4	Not Detected
Hexachlorobutadiene	1.0	Not Detected	11	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition IAQ SSV1B Lab Duplicate

Lab ID#: 0812644-04AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010723**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**2.01**	**Date of Analysis:**	**1/8/09 03:22 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.20	0.54	0.99	2.6
Freon 114	0.20	Not Detected	1.4	Not Detected
Chloromethane	0.20	0.51	0.42	1.1
1,3-Butadiene	0.20	Not Detected	0.44	Not Detected
Bromomethane	0.20	Not Detected	0.78	Not Detected
Chloroethane	0.20	Not Detected	0.53	Not Detected
Freon 11	0.20	0.28	1.1	1.6
Ethanol	1.0	5.1	1.9	9.6
Freon 113	0.20	Not Detected	1.5	Not Detected
1,1-Dichloroethene	0.20	Not Detected	0.80	Not Detected
Acetone	1.0	1.9	2.4	4.5
2-Propanol	1.0	1.0	2.5	2.4
Carbon Disulfide	1.0	Not Detected	3.1	Not Detected
Methylene Chloride	0.40	Not Detected	1.4	Not Detected
Methyl tert-butyl ether	0.20	Not Detected	0.72	Not Detected
trans-1,2-Dichloroethene	0.20	Not Detected	0.80	Not Detected
Hexane	0.20	0.23	0.71	0.80
1,1-Dichloroethane	0.20	Not Detected	0.81	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.20	0.24	0.59	0.70
cis-1,2-Dichloroethene	0.20	Not Detected	0.80	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	0.20	Not Detected	0.98	Not Detected
1,1,1-Trichloroethane	0.20	Not Detected	1.1	Not Detected
Cyclohexane	0.20	Not Detected	0.69	Not Detected
Carbon Tetrachloride	0.20	Not Detected	1.3	Not Detected
Benzene	0.20	0.31	0.64	1.0
1,2-Dichloroethane	0.20	Not Detected	0.81	Not Detected
Heptane	0.20	0.21	0.82	0.86
1,2-Dichloropropane	0.20	Not Detected	0.93	Not Detected
1,4-Dioxane	0.20	Not Detected	0.72	Not Detected
Bromodichloromethane	0.20	Not Detected	1.3	Not Detected
cis-1,3-Dichloropropene	0.20	Not Detected	0.91	Not Detected
4-Methyl-2-pentanone	0.20	Not Detected	0.82	Not Detected
Toluene	0.20	0.80	0.76	3.0
trans-1,3-Dichloropropene	0.20	Not Detected	0.91	Not Detected
1,1,2-Trichloroethane	0.20	Not Detected	1.1	Not Detected
Tetrachloroethene	0.20	Not Detected	1.4	Not Detected
2-Hexanone	1.0	Not Detected	4.1	Not Detected
Dibromochloromethane	0.20	Not Detected	1.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition IAQ SSV1B Lab Duplicate

Lab ID#: 0812644-04AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010723**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**2.01**	**Date of Analysis:**	**1/8/09 03:22 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.20	Not Detected	1.5	Not Detected
Chlorobenzene	0.20	Not Detected	0.92	Not Detected
Ethyl Benzene	0.20	Not Detected	0.87	Not Detected
m,p-Xylene	0.20	0.33	0.87	1.4
o-Xylene	0.20	Not Detected	0.87	Not Detected
Styrene	0.20	Not Detected	0.86	Not Detected
Bromoform	0.20	Not Detected	2.1	Not Detected
Cumene	0.20	Not Detected	0.99	Not Detected
1,1,2,2-Tetrachloroethane	0.20	Not Detected	1.4	Not Detected
Propylbenzene	0.20	Not Detected	0.99	Not Detected
4-Ethyltoluene	0.20	0.25	0.99	1.2
1,3,5-Trimethylbenzene	0.20	Not Detected	0.99	Not Detected
1,2,4-Trimethylbenzene	0.20	0.27	0.99	1.4
1,3-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
1,4-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
alpha-Chlorotoluene	0.20	Not Detected	1.0	Not Detected
1,2-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected	7.4	Not Detected
Hexachlorobutadiene	1.0	Not Detected	11	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	105	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition IAQ SSV1B

Lab ID#: 0812644-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010719sim**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**2.01**	**Date of Analysis:**	**1/8/09 12:56 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.040	Not Detected	0.22	Not Detected
Vinyl Chloride	0.020	Not Detected	0.051	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Eastway Aviaition IAQ SSV1B Lab Duplicate

Lab ID#: 0812644-04BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010723sim**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**2.01**	**Date of Analysis:**	**1/8/09 03:22 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.040	Not Detected	0.22	Not Detected
Vinyl Chloride	0.020	Not Detected	0.051	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Fmr landmark Aviation Lounge Closet Sub Slab SSV2

Lab ID#: 0812644-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010721**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.96**	**Date of Analysis:**	**1/8/09 02:07 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.20	0.32	0.97	1.6
Freon 114	0.20	Not Detected	1.4	Not Detected
Chloromethane	0.20	Not Detected	0.40	Not Detected
1,3-Butadiene	0.20	Not Detected	0.43	Not Detected
Bromomethane	0.20	Not Detected	0.76	Not Detected
Chloroethane	0.20	Not Detected	0.52	Not Detected
Freon 11	0.20	0.73	1.1	4.1
Ethanol	0.98	99 E	1.8	190 E
Freon 113	0.20	Not Detected	1.5	Not Detected
1,1-Dichloroethene	0.20	Not Detected	0.78	Not Detected
Acetone	0.98	54	2.3	130
2-Propanol	0.98	31	2.4	77
Carbon Disulfide	0.98	Not Detected	3.0	Not Detected
Methylene Chloride	0.39	Not Detected	1.4	Not Detected
Methyl tert-butyl ether	0.20	Not Detected	0.71	Not Detected
trans-1,2-Dichloroethene	0.20	Not Detected	0.78	Not Detected
Hexane	0.20	2.4	0.69	8.6
1,1-Dichloroethane	0.20	Not Detected	0.79	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.20	32	0.58	95
cis-1,2-Dichloroethene	0.20	Not Detected	0.78	Not Detected
Tetrahydrofuran	0.98	11	2.9	34
Chloroform	0.20	Not Detected	0.96	Not Detected
1,1,1-Trichloroethane	0.20	0.62	1.1	3.4
Cyclohexane	0.20	2.3	0.67	8.1
Carbon Tetrachloride	0.20	Not Detected	1.2	Not Detected
Benzene	0.20	0.95	0.63	3.0
1,2-Dichloroethane	0.20	Not Detected	0.79	Not Detected
Heptane	0.20	3.7	0.80	15
1,2-Dichloropropane	0.20	Not Detected	0.90	Not Detected
1,4-Dioxane	0.20	Not Detected	0.71	Not Detected
Bromodichloromethane	0.20	Not Detected	1.3	Not Detected
cis-1,3-Dichloropropene	0.20	Not Detected	0.89	Not Detected
4-Methyl-2-pentanone	0.20	2.3	0.80	9.5
Toluene	0.20	32	0.74	120
trans-1,3-Dichloropropene	0.20	Not Detected	0.89	Not Detected
1,1,2-Trichloroethane	0.20	Not Detected	1.1	Not Detected
Tetrachloroethene	0.20	0.57	1.3	3.9
2-Hexanone	0.98	Not Detected	4.0	Not Detected
Dibromochloromethane	0.20	Not Detected	1.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Fmr landmark Aviation Lounge Closet Sub Slab SSV2

Lab ID#: 0812644-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010721**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.96**	**Date of Analysis:**	**1/8/09 02:07 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.20	Not Detected	1.5	Not Detected
Chlorobenzene	0.20	Not Detected	0.90	Not Detected
Ethyl Benzene	0.20	2.6	0.85	11
m,p-Xylene	0.20	8.1	0.85	35
o-Xylene	0.20	3.7	0.85	16
Styrene	0.20	0.51	0.83	2.2
Bromoform	0.20	Not Detected	2.0	Not Detected
Cumene	0.20	Not Detected	0.96	Not Detected
1,1,2,2-Tetrachloroethane	0.20	Not Detected	1.3	Not Detected
Propylbenzene	0.20	0.44	0.96	2.2
4-Ethyltoluene	0.20	1.9	0.96	9.3
1,3,5-Trimethylbenzene	0.20	0.70	0.96	3.5
1,2,4-Trimethylbenzene	0.20	2.2	0.96	11
1,3-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
1,4-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
alpha-Chlorotoluene	0.20	Not Detected	1.0	Not Detected
1,2-Dichlorobenzene	0.20	Not Detected	1.2	Not Detected
1,2,4-Trichlorobenzene	0.98	Not Detected	7.3	Not Detected
Hexachlorobutadiene	0.98	Not Detected	10	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Fmr landmark Aviation Lounge Closet Sub Slab SSV2

Lab ID#: 0812644-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010721sim**	**Date of Collection:**	**12/19/08**
Dil. Factor:	**1.96**	**Date of Analysis:**	**1/8/09 02:07 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.039	0.64	0.21	3.4
Vinyl Chloride	0.020	Not Detected	0.050	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: Lab Blank

Lab ID#: 0812644-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 02:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	Not Detected	0.29	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.10	Not Detected	0.41	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0812644-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 02:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0812644-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010706sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 02:47 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0812644-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 10:58 AM**	

Compound	%Recovery
Freon 12	89
Freon 114	96
Chloromethane	95
1,3-Butadiene	103
Bromomethane	94
Chloroethane	91
Freon 11	87
Ethanol	96
Freon 113	90
1,1-Dichloroethene	95
Acetone	94
2-Propanol	98
Carbon Disulfide	95
Methylene Chloride	87
Methyl tert-butyl ether	111
trans-1,2-Dichloroethene	100
Hexane	98
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	116
cis-1,2-Dichloroethene	99
Tetrahydrofuran	96
Chloroform	91
1,1,1-Trichloroethane	92
Cyclohexane	97
Carbon Tetrachloride	100
Benzene	90
1,2-Dichloroethane	94
Heptane	103
1,2-Dichloropropane	92
1,4-Dioxane	102
Bromodichloromethane	97
cis-1,3-Dichloropropene	112
4-Methyl-2-pentanone	109
Toluene	96
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	91
Tetrachloroethene	92
2-Hexanone	109
Dibromochloromethane	101

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0812644-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 10:58 AM**	

Compound	%Recovery
1,2-Dibromoethane (EDB)	97
Chlorobenzene	91
Ethyl Benzene	96
m,p-Xylene	98
o-Xylene	98
Styrene	110
Bromoform	115
Cumene	96
1,1,2,2-Tetrachloroethane	90
Propylbenzene	97
4-Ethyltoluene	99
1,3,5-Trimethylbenzene	93
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	95
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	103	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0812644-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010702sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 10:58 AM**	

Compound	**%Recovery**
Trichloroethene	82
Vinyl Chloride	86

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0812644-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 11:54 AM**	

Compound	%Recovery
Freon 12	77
Freon 114	82
Chloromethane	84
1,3-Butadiene	91
Bromomethane	80
Chloroethane	79
Freon 11	75
Ethanol	84
Freon 113	85
1,1-Dichloroethene	90
Acetone	83
2-Propanol	84
Carbon Disulfide	90
Methylene Chloride	84
Methyl tert-butyl ether	68
trans-1,2-Dichloroethene	94
Hexane	97
1,1-Dichloroethane	86
2-Butanone (Methyl Ethyl Ketone)	111
cis-1,2-Dichloroethene	87
Tetrahydrofuran	92
Chloroform	83
1,1,1-Trichloroethane	80
Cyclohexane	95
Carbon Tetrachloride	89
Benzene	79
1,2-Dichloroethane	84
Heptane	99
1,2-Dichloropropane	80
1,4-Dioxane	89
Bromodichloromethane	94
cis-1,3-Dichloropropene	95
4-Methyl-2-pentanone	101
Toluene	87
trans-1,3-Dichloropropene	75
1,1,2-Trichloroethane	79
Tetrachloroethene	81
2-Hexanone	96
Dibromochloromethane	98

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0812644-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 11:54 AM**	

Compound	%Recovery
1,2-Dibromoethane (EDB)	80
Chlorobenzene	80
Ethyl Benzene	82
m,p-Xylene	84
o-Xylene	85
Styrene	92
Bromoform	110
Cumene	85
1,1,2,2-Tetrachloroethane	76
Propylbenzene	92
4-Ethyltoluene	92
1,3,5-Trimethylbenzene	78
1,2,4-Trimethylbenzene	82
1,3-Dichlorobenzene	74
1,4-Dichlorobenzene	73
alpha-Chlorotoluene	79
1,2-Dichlorobenzene	77
1,2,4-Trichlorobenzene	62 Q
Hexachlorobutadiene	69

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0812644-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**z010703sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/7/09 11:54 AM**	

Compound	**%Recovery**
Trichloroethene	72
Vinyl Chloride	73

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
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180 BLUE RAVINE ROAD, SUITE B
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(916) 985-1000 FAX (916) 985-1020

Project Manager Ms. Anne Proctor
Collected by: (Print and Sign) [illegible]
Company GES/Woodard & Curran Email aproctor@woodardcurran.com
Address 1526 Highland Ave City Cheshire State CT Zip 06410
Phone 203-271-0379 Fax 203-271-7952

Project Info:
P.O. #
Project # 1101379 (GES)
Project Name Hangar D, WCA

Turn Around Time:
☑ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt (psi)	Final (psi)
01AB	SSV-2B Lobby Desk	31434	12/19/08	1500	TO-15 Hi/Low Full List *	-29.0	-4.5		
02AB	SSV-2A Restroom Lounge	9913	12/19/08	1505	TO-15 Hi/Low Full List *	-30.0	-7.0		
03AB	Eastern Aviation Slab SSV1	34389	12/19/08	1535	TO-15 Hi/Low Full List *	-28.5	-9.5		
04AB	Eastern Aviation D&A SSV1B	9774	12/19/08	1540	TO-15 Hi/Low Full List *	-28.5	-8.0		
05AB	Eastern Aviation Lounge Closet Slab SSV2	34375	12/19/08	1550	TO-15 Hi/Low Full List *	-30.0	-10.0		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	12/19/08 1900	[signature]	12/22/08 08:00 hrs
[signature]	12/22/08 1700	FedEx	12/22/08 1700
		Monica Gregan AIR	12/23/08

Notes: COC's 1,1,1-TCE, 1,1-DCE, 1,2-DCA, c.s-1,2-DCE, Chloroform, Tetrachloroethene, trans-1,2-DCE, Chloroethane, Vinyl Chloride, Methylene chloride, TCE

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		NA	Good	(Yes) No None	0812644

Form 1233 rev.11