

June 25, 2008



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 follow-up soil vapor sampling events pursuant to the soil vapor intrusion investigation for Hangar D, Bay 2 located at the Westchester Country Airport in White Plains, New York. These follow-up sampling events were conducted at the request of the New York State Department of Health (NYSDOH) and the New York State Department of Environmental Conservation (NYSDEC) to continue investigation of the potential for intrusion of site-related chemicals of concern (COCs) from subsurface sources to office portions of the hangar through the building slab. 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; the April 20, 2006 and March 16, 2007 Soil Vapor Investigation Reports; and a conference call on November 2, 2007 and interim correspondence between the NYSDEC, the NYSDOH and ExxonMobil (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 November 29, 2007 and March 28, 2008. The primary 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 State 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 and September 2004 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; 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 generally happens 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 were locked and inaccessible.
- Cleaned employee clothing, reportedly laundered, was hanging in a large closet.
- The maintenance (south) side of the office portion of the hangar was repainted and recarpeted 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 on February 21 and 22, 2006 with the SVE system operating; November 27 and 28, 2006 with the SVE system off; November 29, 2007 and March



28, 2008 with the SVE system operating. Samples were collected from the permanent sub-slab soil vapor probes SSV-1 and SSV-2 as depicted 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. Field notes from the November 2007 and March 2008 sampling events 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 and Outdoor Air Samples

During a conference call on November 2, 2007 ExxonMobil agreed to collect indoor air samples at the request of the NYSDEC and NYSDOH. Following a pre-sampling product inventory on November 16, 2007, plans for indoor air samples were confirmed by electronic mail to the NYSDEC and NYSDOH on November 25, 2007. Summa canisters were ordered and the sampling event was planned for November 29, 2007. On November 28, 2007, comments from the NYSDOH were received specifying a detection limit of 0.25 $\mu\text{g}/\text{m}^3$ for TCE and VC, and that the indoor air samples be collected over eight (8) hours. Where the sampling event was to be conducted the next day with sampling canisters calibrated for sample collection over four (4) hours, the event proceeded with 4-hour sample collection. On November 29, 2007, indoor air samples were collected from the office where SSV-1 is located and the reception desk near the lounge closet where SSV-2 is located. Additionally, outdoor air samples were collected outside the reception area and outside the hangar doors adjacent to the tarmac. Indoor air samples were sub-contracted to Air-Toxics on Folsom, California as they could meet the required detection limit for TCE. Sub-slab and outdoor air samples were analyzed by Accutest Laboratories of Dayton, New Jersey. Results from this sampling event were inconclusive (refer to "Results" section below), and the sampling event was proposed to be repeated with indoor air and sub-slab samples collected over eight (8) hours. On March 28, 2008, indoor air samples were collected from the office where SSV-1 is located, the reception desk near the lounge closet where SSV-2 is located, and the lounge near SSV-2 (refer to Figure 2). All samples from the March 2008 sampling event, indoor air and sub-slab soil vapor samples, were analyzed by Air Toxics.

Field notes are included in Appendix B and laboratory analytical reports are included in Appendix C. Results from the sampling events are summarized on Tables 3 and 4.

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 to the April 2005 and November 2006 sampling events, soil vapor concentrations in 2006 were generally two to three orders of magnitude lower than those measured in 1997.

Sub-slab Soil Vapor Investigation

1,1,1-TCA, PCE, TCE and Vinyl Chloride were the only COCs detected in sub-slab soil vapor (refer to Table 1). Method detection limits for all non-detected compounds were below the 'No Further Action' criteria per Matrices 1 and 2 in the NYSDOH Guidance, except for TCE in the November 2007 samples, with a detection limit less than twice the 'No Further Action' criteria. Only TCE for the November 2006 and March 2008 sampling events was detected above the 'No Further Action' criteria.



Indoor Air Samples

PCE and TCE were the only COCs detected in indoor air samples (refer to Tables 3 and 4). Method detection limits for all non-detected compounds were below the 'No Further Action' criteria per Matrices 1 and 2 in the NYSDOH Guidance. Detections of PCE were also below the 'No Further Action' criteria. Only TCE for the November 2007 and March 2008 sampling events was detected at or slightly above the 'No Further Action' criteria.

Outdoor Air Samples

No COCs were detected in outdoor air samples taken during the November 2007 sampling event (refer to Tables 3 and 4).

Conclusions

In the active portion of the hangar, primary COCs in soil vapor have decreased two to three orders of magnitude since implementing remedial measures.

In the hangar office area, only TCE in the Lounge Area has been detected at or slightly above the 'No Further Action' criteria identified in the NYSDOH Guidance. Regardless of the sub-slab TCE vapor concentrations, the indoor air concentration in the Lounge Area was essentially unchanged; for example, 6.8 ug/m³ in air corresponded to a sub-slab concentration <8.6 ug/m³ and 5.2 - 5.9 ug/m³ in air corresponded to a sub-slab concentration of 28 ug/m³. Indoor air concentrations of TCE do not appear to correlate to sub-slab concentrations. The hangar and office area are not occupied continuously, rather 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 were detected at unusually high concentrations in the March 2008 samples.

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 2008 (the same season as events in 2006 and 2007) to confirm the concentration of 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 11/29/07
Table 4: Soil Vapor Sampling Event of 3/28/08

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

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	Feb-06	Nov-06	Nov-07	Mar-08
Chloroethane	<0.53	<0.53	<4.2	<0.42	<4.2	<2.6	<4.2	<0.42
1,1-Dichloroethane	<0.81	<0.81	<6.5	<0.64	<6.5	<4	<6.5	<0.64
1,1-Dichloroethylene	<0.79	<0.79	<6.3	<0.63	<6.3	<4	<6.3	<0.63
cis-1,2-Dichloroethylene	<0.79	<0.79	<6.3	<0.63	<6.3	<4	<6.3	<0.63
trans-1,2-Dichloroethylene	<0.79	<0.79	<6.3	<0.63	<6.3	<4	<6.3	<0.63
1,1,1-Trichloroethane	<1.1	2.7	<8.7	<0.86	3.2 J	2.9 J	<8.7	<0.86
Tetrachloroethylene	1.3 J	11	<11	1.3	33	59	52	3.9
Trichloroethylene	<1.1	9.1	<8.6	15	<8.6	7	<8.6	28
Vinyl chloride	<0.51	<0.51	<4.1	0.039 J	<4.1	<2.6	<4.1	<0.040

All results are in micrograms per cubic meter.

March 2008 Soil Vapor Samples were analyzed by Air Toxics. All other samples analyzed by Accutest.

March 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-Dichloroethane	<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-Dichloroethane	<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. 2007 samples analyzed by a contract laboratory using EPA Method T015.

Detections are in bold.

TABLE 3**Soil Vapor Sampling Event of 11/29/07**

Hangar D, West Chester County Airport

Chemicals of Concern	Indoor Air ⁽¹⁾		Outdoor Air ⁽²⁾		Soil Vapor ⁽²⁾	
	SSV-1 (Office) Nov-07	SSV-2 (Reception) Nov-07	Office Nov-07	Hanger Nov-07	SSV-1 (Office) Nov-07	SSV-2 (Lounge) Nov-07
Chloroethane	<0.39	<0.41	<0.53	<0.53	<4.2	<4.2
1,1-Dichloroethane	<0.60	<0.63	<0.81	<0.81	<6.5	<6.5
1,1-Dichloroethylene	<0.59	<0.61	<0.79	<0.79	<6.3	<6.3
cis-1,2-Dichloroethylene	<0.59	<0.61	<0.79	<0.79	<6.3	<6.3
trans-1,2-Dichloroethylene	<0.59	<0.61	<0.79	<0.79	<6.3	<6.3
1,1,1-Trichloroethane	<0.81	<0.84	<1.1	<1.1	<8.7	<8.7
Tetrachloroethylene	<1.0	1.3	<1.4	<1.4	<11	52
Trichloroethylene	0.51	6.8	<1.1	<1.1	<8.6	<8.6
Vinyl chloride	<0.038	<0.040	<0.51	<0.51	<4.1	<4.1

All results are in micrograms per cubic meter.

(1) Indoor Air Samples were analyzed by Air Toxics Ltd.

(2) Outdoor Air and Soil Vapor Samples were analyzed by Accutest.

Samples nominally collected over 4 hours in a 6 liter Summa canister and analyzed by EPA Method T015.

J = Estimated value below the detection limit.

Detections are in bold type.

TABLE 4**Soil Vapor Sampling Event of 3/28/08**

Hangar D, West Chester County Airport

Chemicals of Concern	Indoor Air ⁽¹⁾				Soil Vapor ⁽¹⁾	
	SSV-1 (Office) Mar-08	SSV-2A (Lounge) Mar-08	SSV-2B (Reception) Mar-08	SSV-2B Dup. (Reception) Mar-08	SSV-1 (Office) Mar-08	SSV-2 (Lounge) Mar-08
Chloroethane	<0.59	<0.43	<0.45	<0.45	<0.42	<0.42
1,1-Dichloroethane	<0.91	<0.66	<0.69	<0.69	<0.64	<0.64
1,1-Dichloroethylene	<0.89	<0.65	<0.68	<0.68	<0.63	<0.63
cis-1,2-Dichloroethylene	<0.89	<0.65	<0.68	<0.68	<0.63	<0.63
trans-1,2-Dichloroethylene	<0.89	<0.65	<0.68	<0.68	<0.63	<0.63
1,1,1-Trichloroethane	<1.2	<0.89	<0.93	<0.93	<0.86	<0.86
Tetrachloroethylene	<1.5	1.3	1.4	1.3	1.3	3.9
Trichloroethylene	0.79	5.8	5.2	5.9	15	28
Vinyl chloride	<0.057	<0.042	<0.044	<0.044	0.039 J	<0.040

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.

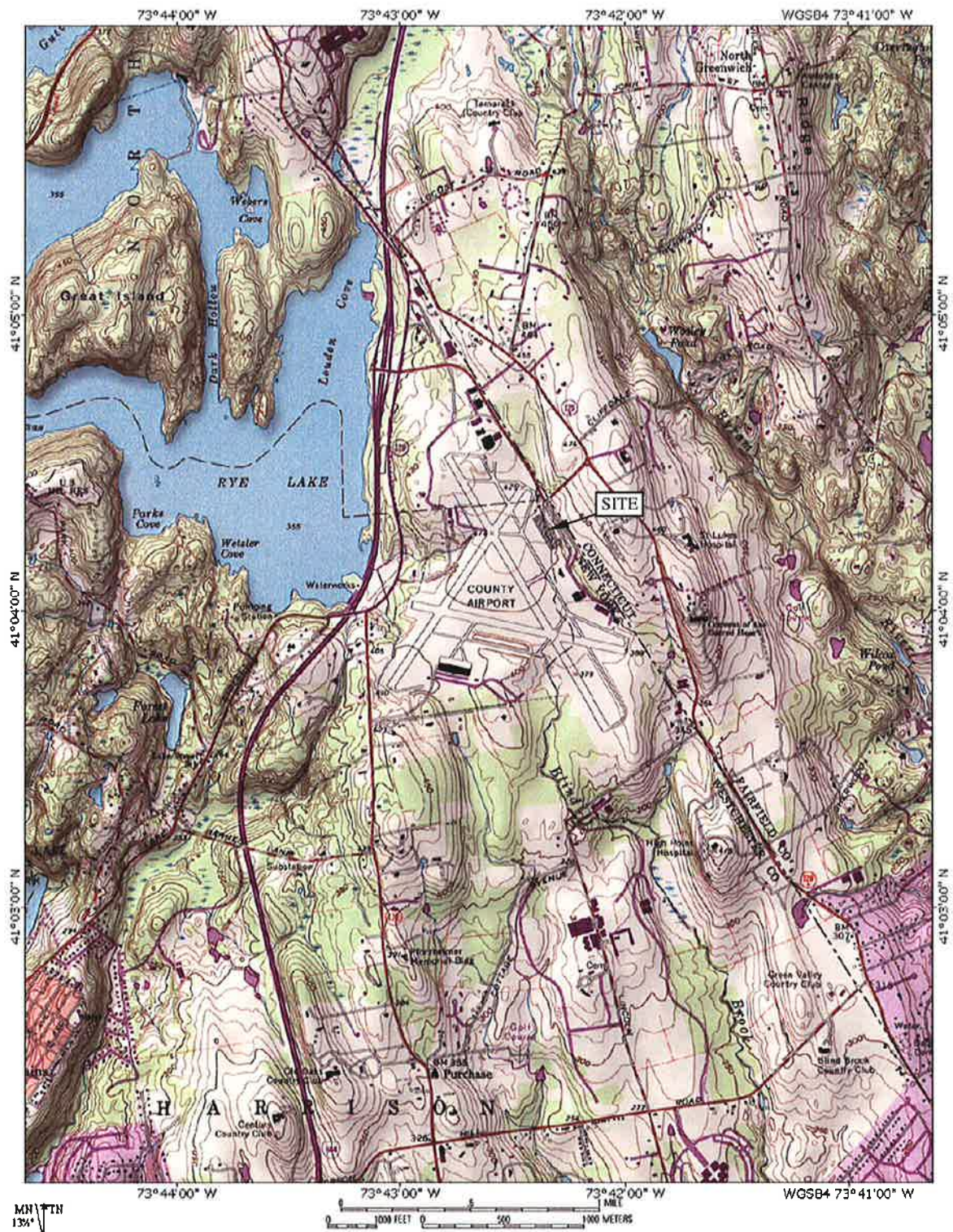
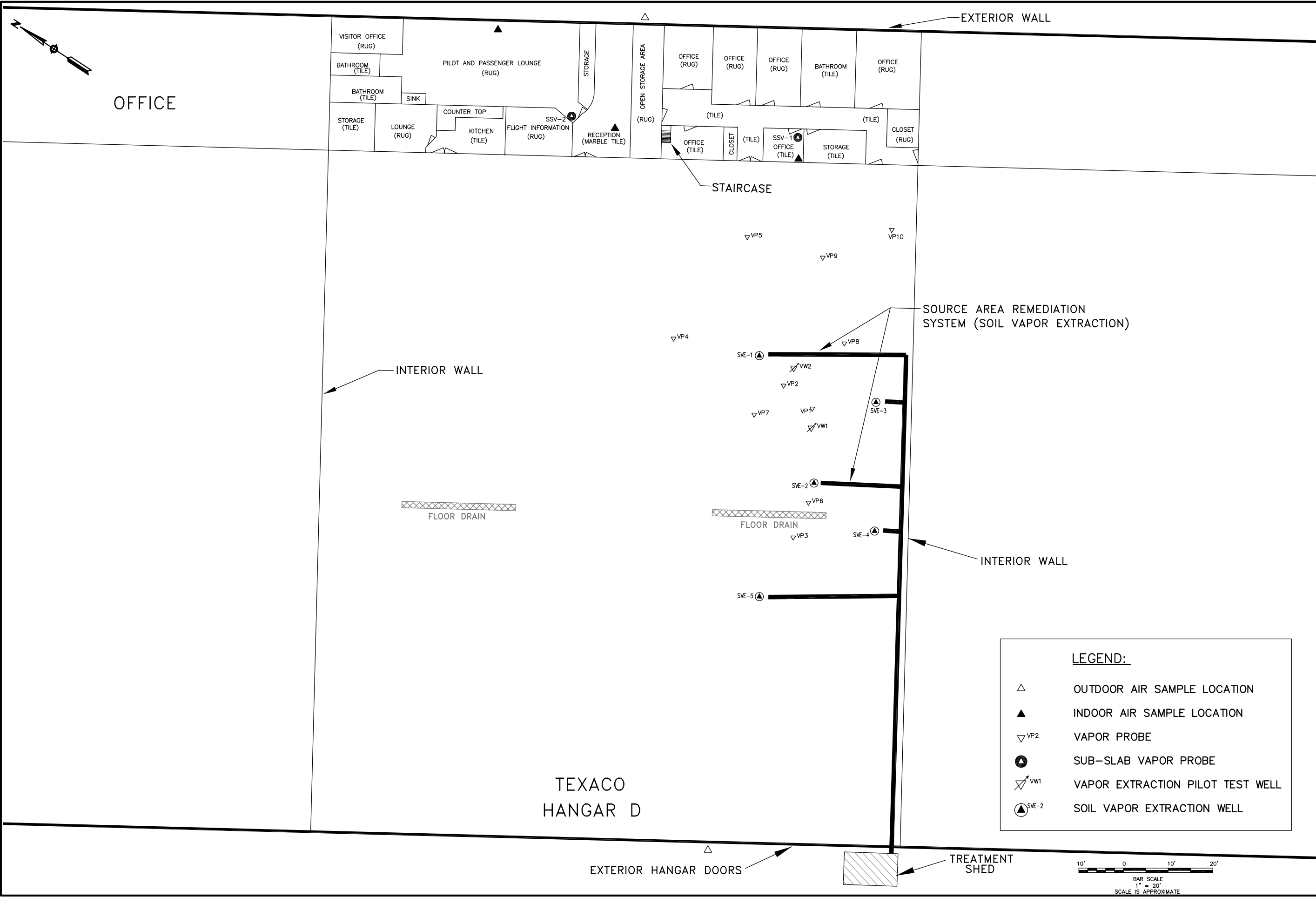


FIGURE 1
SITE LOCUS

Hangar D, Westchester County Airport
White Plains, New York



1520 HIGHLAND AVENUE CHESHIRE, CONNECTICUT 06410 888.265.8969 www.woodardcurran.com	
WOODARD & CURRAN	
COMMITMENT & INTEGRITY DRIVE RESULTS	
SITE PLAN	
DESIGNED BY: AP	CHECKED BY: AP
DRAWN BY: SH	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

Chronology of Soil Vapor Investigations

Hangar D, Westchester County Airport, New York

Rev. 3, May 27, 2008

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 September	SVE System Start-up 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	<i>Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> 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 <i>Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> to the NYSDOH

Chronology of Soil Vapor Investigations
Hangar D, Westchester County Airport, New York
Rev. 3, May 27, 2008

May	Woodard & Curran submitted comments on the <i>Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York</i> to the NYSDOH
June	<p>Response to Feb. 8, 2005 NYDSOH letter sent to NYSDEC: Data from the April monitoring event provided:</p> <ul style="list-style-type: none">- 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 <p>NYSDEC faxed June 23, 2005 letter from NYSDOH reiterating request for Soil Vapor Investigation Work Plan for state review</p> <ul style="list-style-type: none">- 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 <i>Draft Guidance for Evaluating Soil vapor Intrusion in New York State</i>- 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	<p>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 <i>Note: The SVE system was in operation.</i></p>
April	<p>Issue soil vapor investigation report dated April 20, 2006 Receive comments from NYSDEC in electronic mail of April 24, 2006</p>
May	<p>Respond to NYSDEC comments via electronic mail on May 4, 2006 Proposed to conduct a second soil vapor sampling event.</p>

Chronology of Soil Vapor Investigations
Hangar D, Westchester County Airport, New York
Rev. 3, May 27, 2008

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 <i>Note: The SVE system was <u>not</u> in operation.</i>
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/m ³ 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
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

Appendix B: Building Surveys and Product Inventories

Product Inventory Form
Hangar D, Westchester County Airport
Specific products found that have the potential to affect indoor air quality

November 16, 2007

Location	Product Description	Size/Units	Condition (UO, U, D)	Chemical Ingredients	Photo (Y/N)
	5606 hydraulic fluid				
	Aeroshell Oil W80				
	Aeroshell turbine oil				
	airplane wheels/tires				
	alcohols - IPA				
X	arrow magnolia blue lagoon	- Not	available, toilet deodorizer		
	AVL DICE Flash 190			diethylene glycol	
	bp Turbo Oil 2380				
	can of paint			acrylic (valspar 100%, acrylic wall tape)	
O	CRC Precision contact cleaner			1,1-dichloro-1-fluoroethane	(HFC-141B)
	Davies TKS fluid			ethylene glycol	
	Davies TKS fluid in sprayer			ethylene glycol in a sprayer	
	engine oil				
No info X	FS11 Diegone				

	V GE RTU 102			Silicone Paste	
	hydraulic fuel				
	Industrial Strength lubricant				
✓	Isopropyl alcohol			isopropyl alcohol	
	Isopropyl alcohol			Isopropyl alcohol	
	Jet oil 254				
	LPS 2 and 3 rust inhibitor			petroleum, acetone	
	LPS No flash NW Precision Contact Cleaner			20-40% 60-80% 1-5% tetra Fluoroethane, bromopropane, alcohol, others, nitroalkane, n-alkyl dimethyl- benzyl ammonium chloride	
○	lysol sanitizing wipes			CO ₂ , ethanol alkyl dimethyl benzyl ammonia chlorides	
	MEK				
	MER				
	methyl alcohol			methyl alcohol	
✓	Mineral Spirits	SS and drum			
	Mobil Jet Oil 254				
	mother wheel mist all wheel cleaner			oxalic acid & others	
	Naphtha				
	oils				

	paint enamel			mineral spirits, CaCO_3 , aromatic solvent Nepheline Syntex 37244-96-5, color	
	Parts Washer Fluid				
	Parts Washer Fluid			unknown, perhaps kerosene, terpentine	
	Prist glass cleaner			proprietary (IPA)	
	royco 756A			hydrogenated distillate, polymeric additive butylated triphenyl phosphates	
	Royco 756A hydraulic fluids			petroleum oil	
	skydrol aviation fluid				
	spray enamel				
O	Spray Nine Cleaner			n-alkyl dimethyl benzyl ammonium chloride, n-alkyl dimethyl ethylbenzyl ammonium chloride	
X	Sump Fuel			2-55 gal drum N717MT TKS	
X	sydrol 500-B4				
	synthetic aircraft hydraulic fluid				
	TKS fluid			ethylene glycol	
	turbo oil 2380 HP				
	turbo oil 2389				
	unknown red fluid in spray bottle			smell of petroleum	
	WD-40			Aliphatic HC, petroleum oil aliphatic HC, CO_2	

West Marine Stripper Paint Remover

MC172152Y05M.101/Prod.Descri.

Amber 21
 Amgardens
 anti-static framing
 cleaner
 Aeroduster
 (3) 400 ML spray
 No cl.

Product Inventory Form
Hangar D, Westchester County Airport
Specific products found that have the potential to affect indoor air quality

November 16, 2007

Location	Product Description	Size/Units	Condition (UO, U, D)	Chemical Ingredients	Photo (Y/N)
	5606 hydraulic fluid				
	Aeroshell Oil W80				
	Aeroshell turbine oil				
	airplane wheels/tires				
	alcohols				
	arrow magnolia blue lagoon				
	AVL DICE Flash 190			diethylene glycol	
	bp Turbo Oil 2380				
	can of paint			acrylic (valspar 100%, acrylic wall tape)	
	CRC Precision contact cleaner				
	Davies TKS fluid			ethylene glycol	
	Davies TKS fluid in sprayer			ethylene glycol in a sprayer	
	engine oil				
	FS11 Diegone			60-100 telapluoroethane, 5-10 dimethylethane	

ufc1
 aero-duster 8oz 13
 Miller-Stephenson spray
 MS 222

ROUX ASSOCIATES, INC.

ufc1
 Miller-Stephenson spray
 Safegate cleaner can
 MS-210

supply room

peaceful
sleep
mosquito
repellent

spray

diethyl toluamide

	paint enamel				
	Parts Washer Fluid				
	Parts Washer Fluid			unknown, perhaps kerosene, terpentine	
ofc 1	photocopier				
	Prist glass cleaner				
	royco 756A				
	Royco 756A hydraulic fluids			petroleum oil	
	skydrol aviation fluid				
	spray enamel				
supply room 5 trays near	sticker + Spray Nine Cleaner	2 bottles		n-alkyl dimethyl benzyl ammonium chloride, n-alkyl dimethyl ethylbenzyl ammonium chloride	
	Sump Fuel				
	sydrol 500-B4				
	synthetic aircraft hydraulic fluid				
	TKS fluid			ethylene glycol	
	turbo oil 2380 HP				
	turbo oil 2389				
	unknown red fluid in spray bottle			smell of petroleum	
	WD-40	1			

ofc 1

Windex

washed cloth (w/riden + pressed)

	West Marine Stripper Paint Remover				
	zep streak out 40				
X	suppli ratta DOOM trash (DOOM) brand	dirty spray bottle	U		
"	chlorox fresh scent disinfectant	1/35 wipes wipes / blocks free			
"	fantastik multi surface wipe		UO	surfactant solvent 1-50%	
	Aerocool Grease 17 Shell oil		O	MIL-G-21164D code 70017	
	Mobil Grease 28 Industrial Grease				
	Mobil Grease 28 Synthetic Lubricant			MIL-G-81322	
	sablon cleaner MS-260 Miller-S	spray (10)			
	Prist-acrylic, plastic and glass cleaner		C 1702 bottle		
	Meguiars mirror glaze				
	Lexol pH leather cleaner	3L bottle		None	
stock hangar	Lexol orig. formula leather cleaner				
	Chlorox bleach				
	Mater Appliance ultrafine butane fuel				

empty boxes / napkins, etc.

	West Marine Stripper Paint Remover				
	zep streak out 40				
	100% plastic cleaner 30559	16 oz can (2)	U	Naphtha CaCO ₃	
	perone leather conditioner				
	Reditt + Coleman Glass wash			Propanol	
	De Form-Ft JD Brophy	jug	U	IPA, vegetable emulsion	
	Float to Avoid neutral pH Extraction Cleaner JD Brophy	jug	U	dimethyl glycol ethers IPA,	
	parts washer fluid	drum	appears empty		
	toluol	gallon can	U	toluene	
	IPA	2 jugs	U		
	stydenol CD-4 solution				
	A/C safe leather (written on label)	1 jug	O		
	Chlorox	2 gallon	O		
	Oxi Clean				
	Arm + Hammer Detergent				

14 cabinets locked - no entry
entry to only 1 in hangar

Point
Cabin

[illegible]

11/24/07 172152Y05 EM/WCA are
OVC J. Klobner onsite.

Weather: Overcast, 40s, expected showers

Weather info from WCA = 0737 AM

Temp = 41°

Humidity = 73%

Wind direction = 180° South

Wind speed = 6 mph

Pressure = 30.11 + falling

most cloudy.

Objectives:

Soil vapor sampling 2 permanent
points (SSV-1 in office + SSV-2 closet)
2 indoor air samples, + 2 outdoor air
samples. Each permanent point will be
tested using a tracer gas (Helium)

Ashtead Equipment

Helium detector equip. = R 7664

Gas Air = R 7244

Tracer Gas = R 7477

Low flow on Gil Air = R 7297

Calibrated to flow rate = 0.1910 L/min

11/29/07

172152Y05/EM/ADA
Room w/ SSV-1 (2 vents in there)

Trace smoke test

Indoor air is flowing out to the room above the hallway, down the wall towards the hanger.

If the door is closed in room the smoke flows upwards but stays stagnant in air

Chemicals in Room w/ SSV-2

① Clorox - Anywhere Hard Surfaces

Sodium Hypochlorite = 0.0005%

Other Ingredients = 99.9995%

② Clorox Wipes

- n-Alkyl C-14, 60%, C-16-30%, C-12, 5%, C-18, 5%

- Dimethyl Benzyl Ammonium Chloride

n-Alkyl C-14, 32%, Dimethyl

- ethyl benzyl Ammonium Chloride 0.145%

Other ingredients - 99.710%

③ Ocean fragrance for

6-07, (1709)

11/29/07

172152Y05/EM/WCA 2a

Trace smoke test next to SSV-2

- If in closet smoke goes out the door and into lounge area

- If in the reception area the smoke goes up towards and into vents above receptionist head.

- If by door before exiting into outside/fant door the air goes up and into vents above door.

- If in between both door the air goes up + into vents

- If in between doors + stairs airflow is down stairs and up vents

- Air flows in if the front door is open

Kitchen - "Twinkle Stainless Steel

Cleaner + Polish" contains =

Butane (106-97-8)

mineral oil (8042-47-5)

Paraffin (74-98-6)

Siloxanes + Silicones

Dimethyl (63-148-62-9

water

⇒ 1709

1.0666 / 4829 25

11/29/07

172152Y05 / WCHA / EM JAC

Flammable Cabinets in Hanger

Against north wall

rectangular



① Toluol $\frac{1}{2}$ full

CAN

Heath = 2, Flammability = 3

reactivity = 0 PPE = C

② Iso propenal 99% ~ 1 gallon ^{in 2 bottles}

Sitting against wall (south)

① Arrow - magnesia / \rightarrow Poly-glyde

② Aerosol #1

Tag Arabian Stock Room

① Combat Cant + Road killer

② Hydraulic fluid ~ 1 gallon

③ Turbo oil - 2380 / Synthetic oil

I could not get access to the other areas. They were locked and the person renting the space was not available.

11/29/07 172152Y05 / WCHA JAC

Weather: at

Temp. = 44°F

Humidity = 73%

Wind direction = WSW

Wind speed = 6 mph

Pressure = 29.95" falling.

Raining.

At 11:00 AM, we began our sample collection. (Indoor air / soil / surface / groundwater / KMPN / KMPN = air / soil / water)

1330 Clean up site

Pack up samples

Back to Office / FedEx

27

Soil Vapor Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York

Date: 11/29/07 Time: 0805
Weather: cloudy, 40°F
Temperature: 41°F Humidity: 73%
Wind Magnitude: 6 mph Wind Direction: SEW
Barometric Pressure: 30.11 ☒ Falling / Rising

Sampling Team: India Klover (Roux)
Sampling Location: Outdoor Air - office
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
In grassy area.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter
Utility Clearance Completed: Y/N
Sampling Depth: _____ feet below land surface
Sealed at land surface and rod tip: Y/N
Purge Rate: _____ Must be less than 0.2 L/min
Purge Time: _____ note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing
Helium Rate at enclosure: _____
Helium Rate from sample tubing: _____ Is this rate <20% of the rate at the enclosure Y/N

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 at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? ☒ Y/N

Starting Pressure: -30 in. of Hg
Starting Time: 0809
Ending Time: 1150
Ending Pressure: -4.5 in. of Hg → stopped at -5" Hg due to pouring rain outside

Summa Canister Identification #: A462
Flow Regulator ID #: FC192
Sample ID #: Outdoor Air - office Time
Analysis: TO-15

Soil Vapor Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York

Date: 11/29/07 Time: 0810
Weather: mostly cloudy 40 F
Temperature: 41 F Humidity: 73%
Wind Magnitude: 6 mph Wind Direction: South
Barometric Pressure: 30.11 (Falling) / Rising

Sampling Team: INDIRA KLOTZER

Sampling Location: Enclos Air - SSV-2

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
In the reception area on the deck next to Marker
High traffic Area.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter
Utility Clearance Completed: Y/N
Sampling Depth: ~4 feet Below land surface
Sealed at land surface and rod tip: Y/N
Purge Rate: NA Must be less than 0.2 L/min
Purge Time: NA note: Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing
Helium Rate at enclosure: NA
Helium Rate from sample tubing: NA Is this rate <20% of the rate at the enclosure Y/N

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 at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Y/N

Starting Pressure: -27.2 in. of Hg
Starting Time: 0811
Ending Time: 1151
Ending Pressure: -4 in. of Hg

Summa Canister Identification #: A 293
Flow Regulator ID #: FC 094
Sample ID #: Enclos Air - SSV-2 Time
Analysis: TO-15

Soil Vapor Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York

Date: 11/24/07 Time: 0815
Weather: mostly cloudy 40° F
Temperature: 41° F Humidity: 73%
Wind Magnitude: 6 mph Wind Direction: South
Barometric Pressure: 30.11 Falling Rising

Sampling Team: J. Klotzer (Roux)

Sampling Location: SSV-2

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

Inside a closet, under carpet.
High traffic area

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter
Utility Clearance Completed: Y/N
Sampling Depth: 6.5" feet below land surface
Sealed at land surface and rod tip: Y/N
Purge Rate: 0.1910 Must be less than 0.2 L/min
Purge Time: 45 sec note: Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing
Helium Rate at enclosure: 9x10⁻⁵
Helium Rate from sample tubing: 0x10⁻⁵ Is this rate <20% of the rate at the enclosure (Y) N

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 at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? (Y) N

Starting Pressure: -30 in. of Hg
Starting Time: 0824
Ending Time: 1300
Ending Pressure: -4 in. of Hg

Summa Canister Identification #: A352
Flow Regulator ID #: FC168
Sample ID #: SSV-2 Time _____
Analysis: T0-15

Soil Vapor Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York

Date: 11/29/07 Time: 0830
Weather: mostly cloudy 42°F
Temperature: 41°F Humidity: 72%
Wind Magnitude: 6 mph Wind Direction: South
Barometric Pressure: 30.11 (Falling / Rising)

Sampling Team: INDIRA KLOTZER (Roux)

Sampling Location: Outdoor Air - Hanger Door

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Outside the Hanger Door, next to shed (between shed + door)

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter
Utility Clearance Completed: Y/N
Sampling Depth: _____ feet below land surface
Sealed at land surface and rod tip: Y/N
Purge Rate: _____ Must be less than 0.2 L/min
Purge Time: _____ note: Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing
Helium Rate at enclosure: _____
Helium Rate from sample tubing: _____ Is this rate <20% of the rate at the enclosure Y/N

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 at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4" of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Y/N

Starting Pressure: -30 in. of Hg
Starting Time: 0834
Ending Time: 1247
Ending Pressure: -4.5 in. of Hg

Summa Canister Identification #: A-749
Flow Regulator ID #: FC 335
Sample ID #: Outdoor Air - Hanger Door
Analysis: TO-15

Soil Vapor Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York

Date: 11/29/07 Time: 0843
Weather: mostly cloudy, r 40
Temperature: 47° Humidity: 78%
Wind Magnitude: 6 mph Wind Direction: South
Barometric Pressure: 30.11 Falling Rising

Sampling Team: Indira Klover (Roux)

Sampling Location: SSV-1 - Indoor Air

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

In an office on the desk

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter
Utility Clearance Completed: Y/N
Sampling Depth: 4.5 ^{Above} feet below land surface
Sealed at land surface and rod tip: Y/N
Purge Rate: — Must be less than 0.2 L/min
Purge Time: — note: Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing
Helium Rate at enclosure: —
Helium Rate from sample tubing: — Is this rate <20% of the rate at the enclosure Y/N

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 at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Y/N

Starting Pressure: -30 in. of Hg
Starting Time: 0843
Ending Time: 1307
Ending Pressure: -4 in. of Hg

Summa Canister Identification #: A 465

Flow Regulator ID #: FC 315

Sample ID #: Indoor Air - SSV-1 Time

Analysis: TO-15

Soil Vapor Sampling Form
Westchester County Airport
ExxonMobil Refining & Supply Company
White Plains, New York

Date: 11/29/07 Time: 0844
Weather: Partly Cloudy, 40°
Temperature: 40° Humidity: 73%
Wind Magnitude: 6 mph Wind Direction: South
Barometric Pressure: 30.11 Falling / Rising

Sampling Team: Indira Klotter Clay

Sampling Location: SSV-1

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

Office room, under carpet behind door.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter
Utility Clearance Completed: Y/N
Sampling Depth: 6.5' feet below land surface
Sealed at land surface and rod tip: Y/N
Purge Rate: 0.1910 Must be less than 0.2 L/min
Purge Time: 45 sec. note: Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing
Helium Rate at enclosure: 4.8 x 10⁻³
Helium Rate from sample tubing: 0.8 x 10⁻³ Is this rate <20% of the rate at the enclosure Y/N

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 at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4" of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Y/N

Starting Pressure: -30 in. of Hg
Starting Time: 0851
Ending Time: 1106
Ending Pressure: -1" in. of Hg

Summa Canister Identification #: A 270
Flow Regulator ID #: FC 288
Sample ID #: SSV-1 Time _____
Analysis: TO-15

[illegible]

Constituents of concern include:

1,1,1-trichloroethane	1,1-dichloroethane	1,2-dichloroethane	cis-1,2-dichloroethene	chloroform
+ tetrachloroethene	trans-1,2-dichloroethane	chloroethane	vinyl chloride	ethylene chloride
trichloroethane				

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

Date: 3/28/2008 Humidity: 74%
Time: 12:00 hrs Wind Magnitude: 5 mph
Weather: Cloudy Wind Direction: From ENE
Temperature: 46°F Barometric Pressure: 29.79
Falling or rising: Rising

Sampling Personnel: GES (John Simms, Marc Andreath) / Park (Meg)
Sample Location: SSV-2B (Indoor Air - Reception)

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

Calibrate helium detector: NA (yes or no)
Sample depth: NA (Feet below grade)
Sealed at land surface and rod tip: NA (yes or no)
Purge rate: NA (Must be < 0.2 L/min)
Purge time: NA
Helium rate at enclosure: NA
Helium rate from sample tubing: NA <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: 13:04
Ending time: 21:08
Ending pressure: -6.5" Hg

Summa canister ID: 5570
Flow regulator ID: ~~FC00799~~
Sample ID: SSV-2B (Indoor Air - Reception)
Time: ~~20:10~~ 22:10
Analysis: TO-15 H-L Full

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

Date: 3/28/2008 Humidity: 74%
Time: 12:00 Hrs Wind Magnitude: 5 mph
Weather: Cloudy Wind Direction: From ENE
Temperature: 46 °F Barometric Pressure: 29.79
Falling or rising: Rising

Sampling Personnel: GES (John Simms, Marc Andrzejak) / RAL (M.eg)
Sample Location: SSV 2A (Indoor Air - Lounge) Duplicate

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

Calibrate helium detector: NA (yes or no)
Sample depth: NA (Feet below grade)
Sealed at land surface and rod tip: NA (yes or no)
Purge rate: NA (Must be < 0.2 L/min)
Purge time: NA
Helium rate at enclosure: NA
Helium rate from sample tubing: NA <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: 13:04
Ending time: 21:04
Ending pressure: -6.5" Hg

Summa canister ID: A748
Flow regulator ID: FC 203
Sample ID: SSV-2A (Indoor Air - Lounge) Duplicate
Time: 22:22
Analysis: TO-15 H-L Full

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

Date: 3/28/2008 Humidity: 74%
Time: 12:00 hrs Wind Magnitude: 5 mph
Weather: Clouds Wind Direction: From ENE
Temperature: 46°F Barometric Pressure: 29.79 mbars
Falling or rising: Rising

Sampling Personnel: GES (John Simms, Marc Andreath) / PAUL (MCA)
Sample Location: SSV-2A (Indoor Air Lounge)

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

Calibrate helium detector: NA (yes or no)
Sample depth: NA (Feet below grade)
Sealed at land surface and rod tip: NA (yes or no)
Purge rate: NA (Must be < 0.2 L/min)
Purge time: NA
Helium rate at enclosure: NA
Helium rate from sample tubing: NA <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: -15 "Hg
Starting time: 13:00
Ending time: 21:00
Ending pressure: -5.5 "Hg

Summa canister ID: A 669
Flow regulator ID: FC200
Sample ID: SSV-2A (Indoor Air Lounge)
Time: 2008 22:14
Analysis: TO-15 Hi-Low Full

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

Date: 3/28/2008 Humidity: 74%
Time: 12:00 hrs Wind Magnitude: 5 mph
Weather: Cloudy Wind Direction: From ENE
Temperature: 46°F Barometric Pressure: 29.79 mbars
Falling or rising: Rising

Sampling Personnel: GES (John Simms / Marc Andreola) / Roux (M-eg)
Sample Location: SSV-2 (Soil Vapor)

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

Slab on grade

Calibrate helium detector: YES (yes or no)
Sample depth: _____ (Feet below grade)
Sealed at land surface and rod tip: YES (yes or no)
Purge rate: 1.931 (Must be < 0.2 L/min)
Purge time: 45 seconds
Helium rate at enclosure: 2×10^{-2}
Helium rate from sample tubing: 7×10^{-2} <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: 12:55
Ending time: 20:55
Ending pressure: -6" Hg

Summa canister ID: A23A
Flow regulator ID: FC212
Sample ID: SSV-2 (Soil Vapor)
Time: 22:10
Analysis: TO-15 Hg

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

Date: 3/28/2008 Humidity: 74%
Time: 12:00 Hrs Wind Magnitude: 5 mph
Weather: Cloudy Wind Direction: From ENE
Temperature: 46°F Barometric Pressure: 29.79 mbars
Falling or rising: Rising

Sampling Personnel: GES (John Simms, Marc Andreotti) / Raitz (Meq)
Sample Location: SSV-1 (Indoor Air)

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

Calibrate helium detector: NA (yes or no)
Sample depth: NA (Feet below grade)
Sealed at land surface and rod tip: NA (yes or no)
Purge rate: NA (Must be < 0.2 L/min)
Purge time: NA
Helium rate at enclosure: NA
Helium rate from sample tubing: NA <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: 12:30 Hrs.
Ending time: 20:30
Ending pressure: -8" Hg

Summa canister ID: 94950
Flow regulator ID: 34178 (FCQ0295)
Sample ID: SSV-1 (Indoor Air)
Time: 22:05 Hrs
Analysis: TO-15 IA - Low Full

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

Date: 3/28/2008 Humidity: 74%
Time: 12:00 hrs Wind Magnitude: 5 mph
Weather: Cloudy Wind Direction: From ENE
Temperature: 46°F Barometric Pressure: 29.79 mbars
Falling or rising: Rising

Sampling Personnel: GES (John Simms, Marc Anderson) / REX (Meg)
Sample Location: SSV-1 (Soil Vapor)

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

Slab on grade

Calibrate helium detector: YES (yes or no)
Sample depth: _____ (Feet below grade)
Sealed at land surface and rod tip: YES (yes or no)
Purge rate: 1.977 L/min (Must be < 0.2 L/min)
Purge time: 45 seconds
Helium rate at enclosure: 2×10^{-2}
Helium rate from sample tubing: 7×10^{-2} < 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: 12:25 hrs
Ending time: 20:25 hrs
Ending pressure: -9" Hg

Summa canister ID: A219
Flow regulator ID: FC195
Sample ID: SSV-1 (Soil Vapor)
Time: 22:00 hrs
Analysis: TO-15 Std.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
attic and hanger	fire extinguisher	20lbs	UO	B+C class standard dry chemical		
on cort	polyurethane can	1qt.	D	polyurethane		
various	trash receptical		U			
on transformer	windex	2gal.	U	alcohol		
N side of hanger	transformer		U	dielectric fluid?		
	Flama					
E of hanger	nitrogen tank	4' canister	U	nitrogen ### ### III		
E of hanger	oxygen tank	"	U	oxygen ### ### II		
NE corner	fuel pumps	2	U	fuel oil		
E wall	malco econ wash concentrate	5gal	U	see below		
"	simple green aircraft cleaner	32oz.	U			
"	cascade	50oz		bleach		
"	glass wax	10oz		wax		
"	plastic cleaner	2x 16oz	U	CAS 64742-88-7		
"	spray nine	25oz		disinfectant / cleaner		
"	odor eliminator	32oz				
"	leather cleaner wipers					
"	leather conditioner	5oz				
"	finished leather cleaner	8oz.				

* 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.

* Cocodiethanolamide (CAS 8051-30-7), (Alkylbenzene Sulfonate
olefin sulfonate, salt)

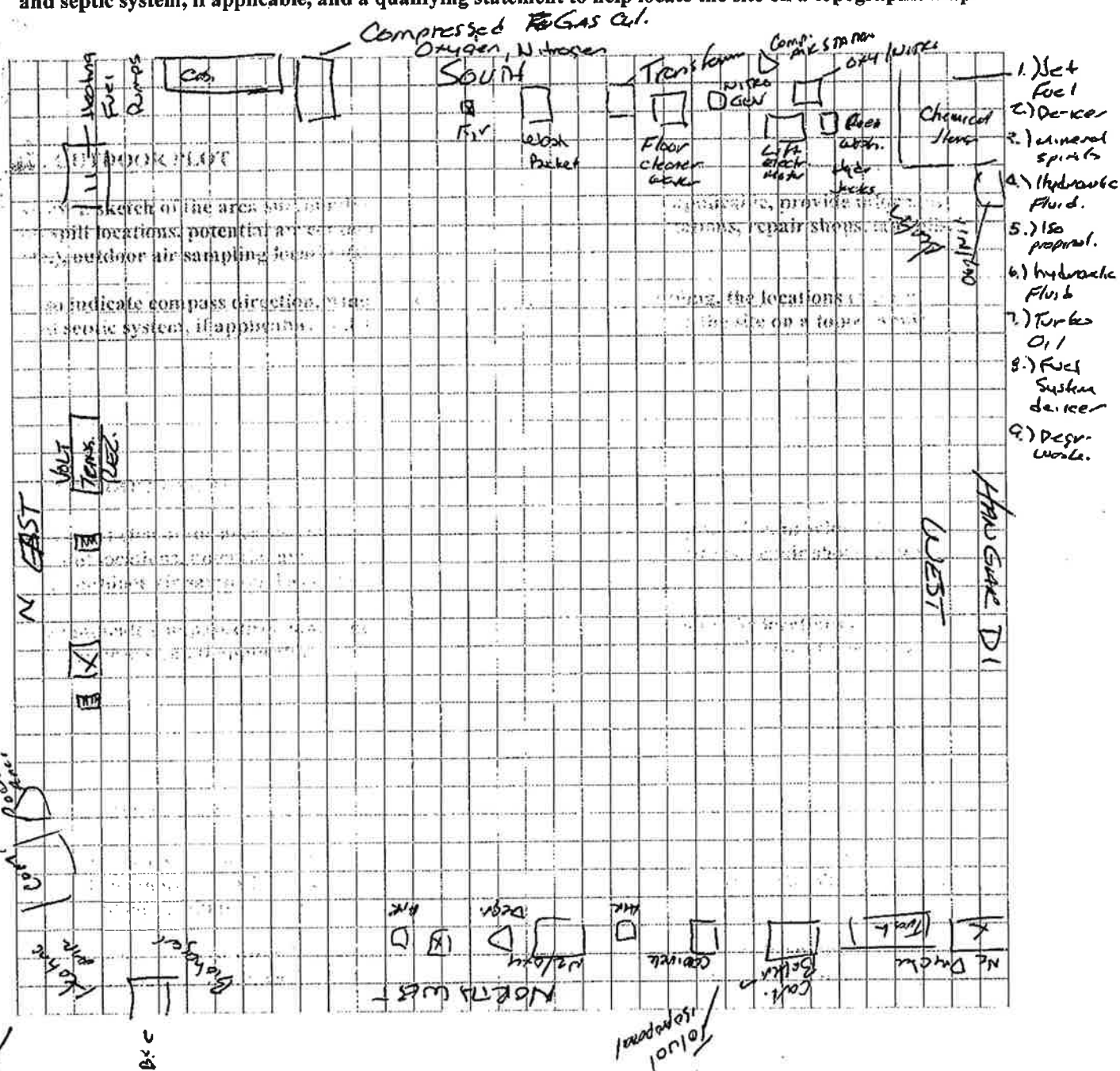
BTSA\Sections\SIS\Oil Spills\Guidance Docs\Aiproto4.doc

Alkylphenol ethoxylate sulfonate (CAS 9016-45-9)

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.



Fire Ext.
Dry Type Bic

a. Provide photographs of the building.

b. Residents choose for removal.

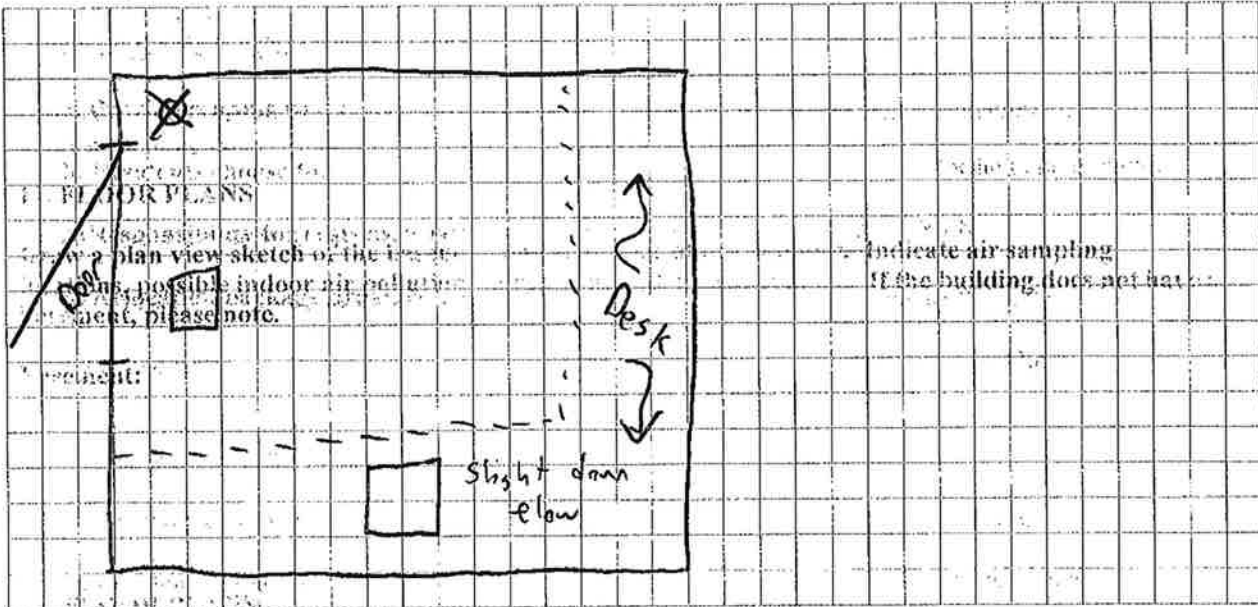
11. FLOOR PLANS

a. Responsibility for costs as follows:

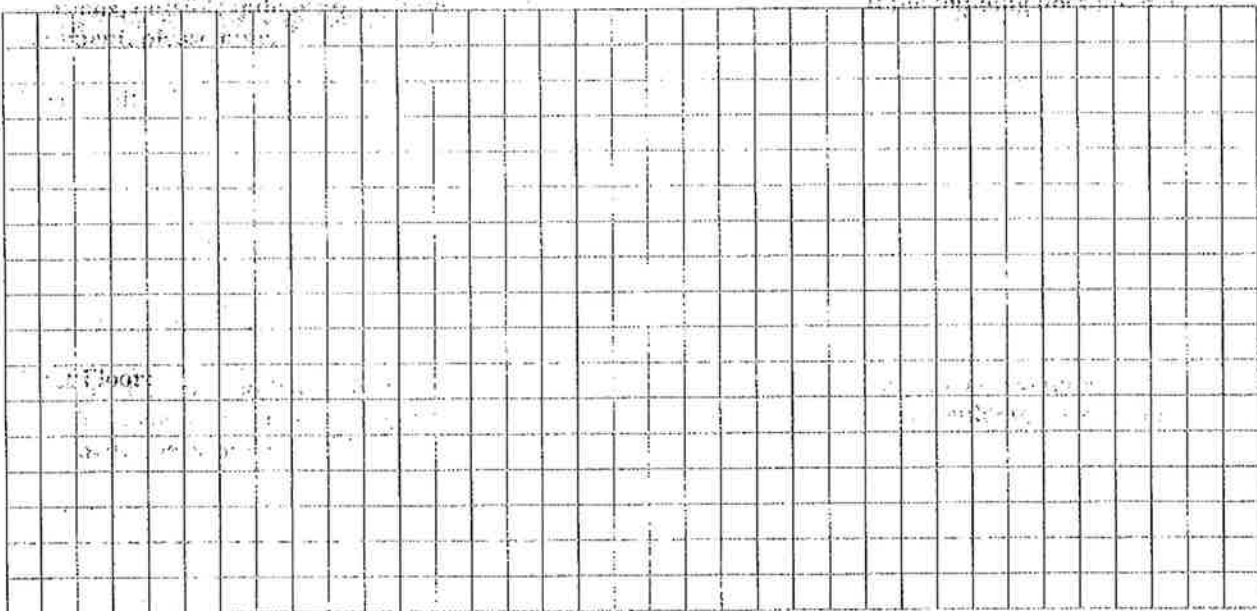
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

SSV-1 office



First Floor:



- 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)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

No

Unknown

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

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
1 st Floor	OFFICE SPACE, LOUNGE, KITCHEN, WASHROOM, STORAGE, HANGAR FOR CEILING AND LIGHT MAINTENANCE
2 nd Floor	
3 rd Floor	
4 th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- Is there an attached garage? ☒ Y / ☐ N
- Does the garage have a separate heating unit? ☒ Y / ☐ N / ☐ NA HOT AIR
- Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)? ☒ Y / ☐ N / ☐ NA
Please specify JETS AIRPLANES
- Has the building ever had a fire? ☒ Y / ☐ N When? NOT AWARE
- Is a kerosene or unvented gas space heater present? ☒ Y / ☐ N Where?
- Is there a workshop or hobby/craft area? ☒ Y / ☐ N Where & Type? SIDES OF HANGAR
- Is there smoking in the building? ☒ Y / ☐ N How frequently?
- Have cleaning products been used recently? ☒ Y / ☐ N When & Type? HANGAR
- 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

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)

<input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> 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

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

~~Airflow near source~~ SSU-2 LOUNGE

- DOORWAYS FLOW FROM LOUNGE TO OFFICE
- ABOVE RECEPTIONIST UP INTO VENT
- DOOR TO HANGER INTO OFFICE FLOW
- DOOR TO OUTSIDE FLOW
- NO FLOW AT VAPOR POINT
- MIDDLE OF LOUNGE FLOW TOWARDS RECEPTIONIST

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

**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: _____

County: _____

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
Industrial

School
Church

Commercial/Multi-use
Other: HANGAR/OFFICE

*carpet in the way at both points.
Solving: Move carpet & pull up.*

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

[illegible]

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

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

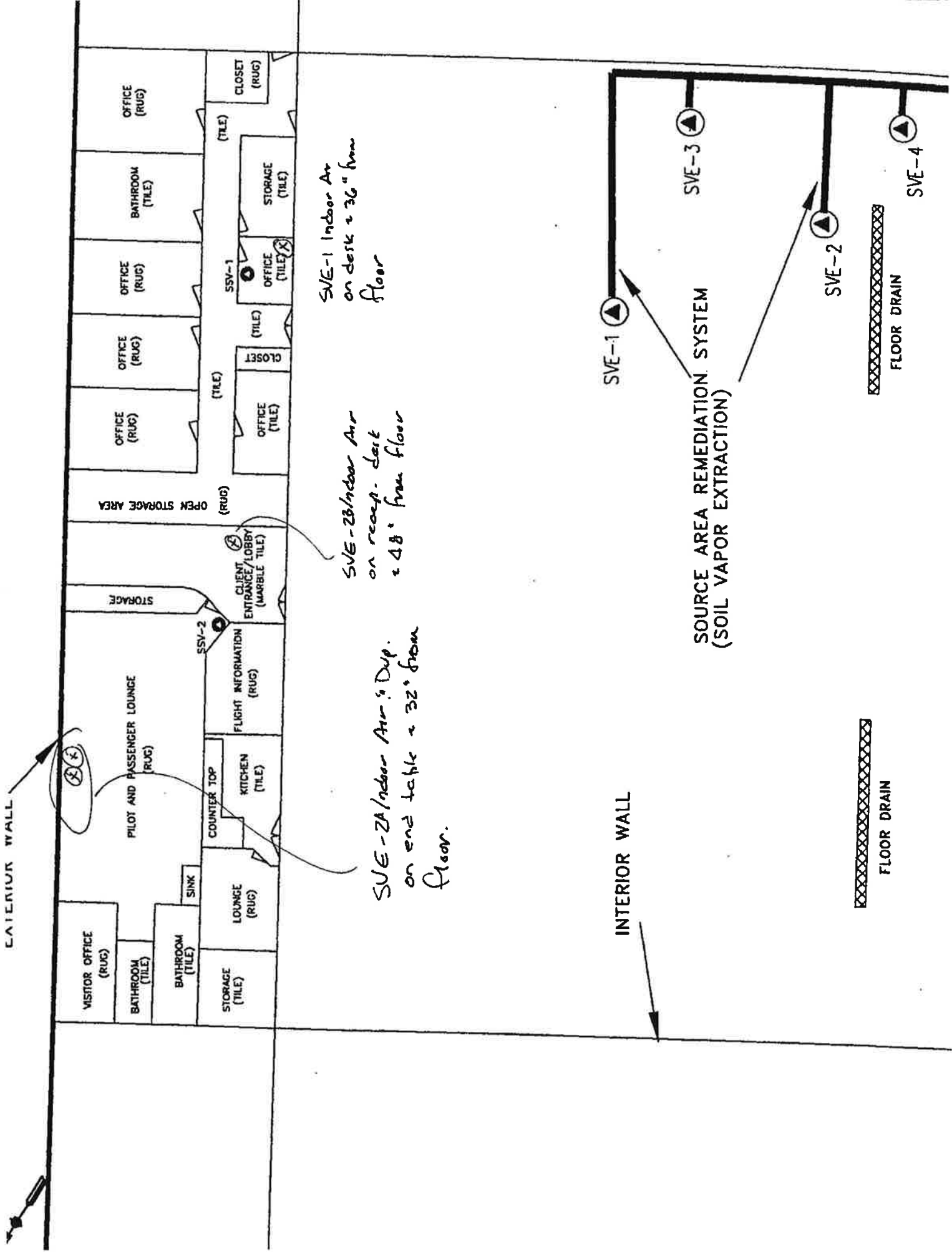
13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y/N
SE corner	55 gallon drum (plastic) "sump fuel only"	55 gal	U	jet fuel		
"	de-icing	55 gal	U	alcohol		
"	mineral spirits	55 gal	U	mineral spirits		
"	unlabeled drum	55 gal	U	used oil?		
"	oil change cans	5 gal	U	used oil		
"	hydraulic fluid	5 gal	U	hydraulic fluid		
"	polyethylene sprayer	3 gal	U	polyethylene		
"	laboratory waste	30 gal	U			
"	turbine engine oil	1 qt.	U	oil		
West side	methanol	1 gal	U	methanol		
"	isopropanol 99%	1 gal	U	isopropanol		
"	Toluol	1 qt.	U	Toluol		
"	a/c safe wash	1 gal	U	?		
"	oxy/clean	13 oz.	U			
"	detergent cloths	2 gal	U			
"	Clorox bleach	1 gal	U			
"	open sewer pipe in closet		U			
N side	release agent dry lubricant	spray	U	P+FE		

* 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.



EXTERIOR WALL

INTERIOR WALL

SOURCE AREA REMEDIATION SYSTEM
(SOIL VAPOR EXTRACTION)

FLOOR DRAIN

FLOOR DRAIN

Appendix C: Analytical Laboratory Report



02/01/08

Technical Report for

Woodard & Curran

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

PO#4508212407 WBS#08

Accutest Job Number: J77796

Sampling Date: 11/29/07

Report to:

Woodard & Curran

Aproctor@woodardcurran.com

ATTN: Anne Proctor

Total number of pages in report: 15



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

Vincent J. Pugliese
President

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

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Test results relate only to samples analyzed.

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Sample Summary

Woodard & Curran

Job No: J77796

ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY
Project No: PO#4508212407 WBS#08

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
J77796-1	11/29/07	12:50 IK	11/30/07	AIR Air	OUTDOOR AIR-OFFICE
J77796-3	11/29/07	13:00 IK	11/30/07	AIR Air	SSV-2
J77796-4	11/29/07	12:47 IK	11/30/07	AIR Air	OUTDOOR AIR-HANGER DOOR
J77796-6	11/29/07	11:06 IK	11/30/07	AIR Air	SSV-1



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	OUTDOOR AIR-OFFICE		
Lab Sample ID:	J77796-1	Date Sampled:	11/29/07
Matrix:	AIR - Air	Summa ID:	A462
Method:	TO-15	Date Received:	11/30/07
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY		
		Percent Solids:	n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W15360.D	1	12/07/07	YMH	n/a	n/a	V2W676
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	1.6	0.20	ppbv		3.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.42	0.20	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.45	0.20	ppbv		0.93	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	OUTDOOR AIR-OFFICE		
Lab Sample ID:	J77796-1	Date Sampled:	11/29/07
Matrix:	AIR - Air	Summa ID:	A462
Method:	TO-15	Date Received:	11/30/07
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY		
		Percent Solids:	n/a

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.7	0.50	ppbv		3.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.13	0.20	ppbv	J	0.56	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.81	0.20	ppbv		2.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.16	0.20	ppbv	J	0.66	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.28	0.20	ppbv		0.99	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.82	0.20	ppbv		2.0	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.21	0.20	ppbv		0.62	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	1.5	0.50	ppbv		2.6	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.17	0.20	ppbv	J	0.84	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.16	0.20	ppbv	J	0.75	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.85	0.20	ppbv		3.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	ppbv		1.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.38	0.20	ppbv		1.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.14	0.20	ppbv	J	0.61	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.53	0.20	ppbv		2.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		78-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SSV-2		
Lab Sample ID:	J77796-3	Date Sampled:	11/29/07
Matrix:	AIR - Air	Summa ID:	A352
Method:	TO-15	Date Received:	11/30/07
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY	Percent Solids:	n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W15361.D	1	12/07/07	YMH	n/a	n/a	V2W676
Run #2							

Run #	Initial Volume
Run #1	50.0 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.7	1.6	ppbv		6.4	3.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	1.6	ppbv		ND	3.5	ug/m3
71-43-2	78.11	Benzene	ND	1.6	ppbv		ND	5.1	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.6	ppbv		ND	11	ug/m3
75-25-2	252.8	Bromoform	ND	1.6	ppbv		ND	17	ug/m3
74-83-9	94.94	Bromomethane	ND	1.6	ppbv		ND	6.2	ug/m3
593-60-2	106.9	Bromoethene	ND	1.6	ppbv		ND	7.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.6	ppbv		ND	8.2	ug/m3
75-15-0	76.14	Carbon disulfide	2.3	1.6	ppbv		7.2	5.0	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.6	ppbv		ND	7.4	ug/m3
75-00-3	64.52	Chloroethane	ND	1.6	ppbv		ND	4.2	ug/m3
67-66-3	119.4	Chloroform	ND	1.6	ppbv		ND	7.8	ug/m3
74-87-3	50.49	Chloromethane	ND	1.6	ppbv		ND	3.3	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.6	ppbv		ND	5.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.6	ppbv		ND	8.3	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	1.6	ppbv		ND	10	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.6	ppbv		ND	5.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	1.6	ppbv		ND	6.5	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	1.6	ppbv		ND	12	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	1.6	ppbv		ND	6.5	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.6	ppbv		ND	7.4	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	1.6	ppbv		ND	5.8	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	1.6	ppbv		ND	7.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.6	ppbv		ND	14	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.6	ppbv		ND	7.3	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.6	ppbv		ND	9.6	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	1.6	ppbv		ND	9.6	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.6	ppbv		ND	9.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.6	ppbv		ND	7.3	ug/m3

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SSV-2		
Lab Sample ID:	J77796-3	Date Sampled:	11/29/07
Matrix:	AIR - Air	Summa ID:	A352
Method:	TO-15	Date Received:	11/30/07
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY		
		Percent Solids:	n/a

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	4.0	ppbv		ND	7.5	ug/m3
100-41-4	106.2	Ethylbenzene	2.1	1.6	ppbv		9.1	6.9	ug/m3
141-78-6	88	Ethyl Acetate	ND	1.6	ppbv		ND	5.8	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	1.6	ppbv		ND	7.9	ug/m3
76-13-1	187.4	Freon 113	ND	1.6	ppbv		ND	12	ug/m3
76-14-2	170.9	Freon 114	ND	1.6	ppbv		ND	11	ug/m3
142-82-5	100.2	Heptane	ND	1.6	ppbv		ND	6.6	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.6	ppbv		ND	17	ug/m3
110-54-3	86.17	Hexane	ND	1.6	ppbv		ND	5.6	ug/m3
591-78-6	100	2-Hexanone	ND	1.6	ppbv		ND	6.5	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	1.6	ppbv		ND	3.9	ug/m3
75-09-2	84.94	Methylene chloride	ND	1.6	ppbv		ND	5.6	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	1.6	ppbv		ND	4.7	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.6	ppbv		ND	6.6	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.6	ppbv		ND	5.8	ug/m3
115-07-1	42	Propylene	ND	4.0	ppbv		ND	6.9	ug/m3
100-42-5	104.1	Styrene	ND	1.6	ppbv		ND	6.8	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	1.6	ppbv		ND	8.7	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	1.6	ppbv		ND	11	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	1.6	ppbv		ND	8.7	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.6	ppbv		ND	12	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.5	1.6	ppbv		17	7.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.97	1.6	ppbv	J	4.8	7.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.6	ppbv		ND	7.5	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	1.6	ppbv		ND	4.9	ug/m3
127-18-4	165.8	Tetrachloroethylene	7.7	1.6	ppbv		52	11	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	1.6	ppbv		ND	4.7	ug/m3
108-88-3	92.14	Toluene	6.0	1.6	ppbv		23	6.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	1.6	ppbv		ND	8.6	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.6	ppbv		ND	9.0	ug/m3
75-01-4	62.5	Vinyl chloride	ND	1.6	ppbv		ND	4.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	1.6	ppbv		ND	5.6	ug/m3
	106.2	m,p-Xylene	8.2	1.6	ppbv		36	6.9	ug/m3
95-47-6	106.2	o-Xylene	2.9	1.6	ppbv		13	6.9	ug/m3
1330-20-7	106.2	Xylenes (total)	11.0	1.6	ppbv		47.8	6.9	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		78-124%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OUTDOOR AIR-HANGER DOOR					
Lab Sample ID:	J77796-4	Date Sampled:	11/29/07			
Matrix:	AIR - Air	Summa ID:	A749			
Method:	TO-15	Date Received:	11/30/07			
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY	Percent Solids:	n/a			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W4538.D	1	12/06/07	YMH	n/a	n/a	V3W200
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.3	0.20	ppbv		15	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.43	0.20	ppbv		1.4	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OUTDOOR AIR-HANGER DOOR		
Lab Sample ID:	J77796-4	Date Sampled:	11/29/07
Matrix:	AIR - Air	Summa ID:	A749
Method:	TO-15	Date Received:	11/30/07
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY		
		Percent Solids:	n/a

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.0	0.50	ppbv		5.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.29	0.20	ppbv		1.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.21	0.20	ppbv		0.74	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.51	0.20	ppbv		1.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.48	0.20	ppbv		1.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.20	0.20	ppbv		0.98	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.61	0.20	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.20	ppbv		1.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.25	0.20	ppbv		1.1	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.10	0.20	ppbv	J	0.43	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.35	0.20	ppbv		1.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		78-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SSV-1
 Lab Sample ID: J77796-6 Date Sampled: 11/29/07
 Matrix: AIR - Air Summa ID: A270 Date Received: 11/30/07
 Method: TO-15 Percent Solids: n/a
 Project: ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W4539.D	1	12/06/07	YMH	n/a	n/a	V3W200
Run #2							

	Initial Volume
Run #1	50.0 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.1	1.6	ppbv		7.4	3.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	1.6	ppbv		ND	3.5	ug/m3
71-43-2	78.11	Benzene	0.84	1.6	ppbv	J	2.7	5.1	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.6	ppbv		ND	11	ug/m3
75-25-2	252.8	Bromoform	ND	1.6	ppbv		ND	17	ug/m3
74-83-9	94.94	Bromomethane	ND	1.6	ppbv		ND	6.2	ug/m3
593-60-2	106.9	Bromoethene	ND	1.6	ppbv		ND	7.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.6	ppbv		ND	8.2	ug/m3
75-15-0	76.14	Carbon disulfide	ND	1.6	ppbv		ND	5.0	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.6	ppbv		ND	7.4	ug/m3
75-00-3	64.52	Chloroethane	ND	1.6	ppbv		ND	4.2	ug/m3
67-66-3	119.4	Chloroform	ND	1.6	ppbv		ND	7.8	ug/m3
74-87-3	50.49	Chloromethane	ND	1.6	ppbv		ND	3.3	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.6	ppbv		ND	5.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.6	ppbv		ND	8.3	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	1.6	ppbv		ND	10	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.6	ppbv		ND	5.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	1.6	ppbv		ND	6.5	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	1.6	ppbv		ND	12	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	1.6	ppbv		ND	6.5	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.6	ppbv		ND	7.4	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	1.6	ppbv		ND	5.8	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	1.6	ppbv		ND	7.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.6	ppbv		ND	14	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	1.6	ppbv		ND	6.3	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.6	ppbv		ND	7.3	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.6	ppbv		ND	9.6	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	1.6	ppbv		ND	9.6	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.6	ppbv		ND	9.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.6	ppbv		ND	7.3	ug/m3

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SSV-1		
Lab Sample ID:	J77796-6	Date Sampled:	11/29/07
Matrix:	AIR - Air	Summa ID:	A270
Method:	TO-15	Date Received:	11/30/07
Project:	ExxonMobil Terminal Orphin, Hanger D, Westchester Airport, White Plains, NY		
		Percent Solids:	n/a

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	8.2	4.0	ppbv		15	7.5	ug/m3
100-41-4	106.2	Ethylbenzene	ND	1.6	ppbv		ND	6.9	ug/m3
141-78-6	88	Ethyl Acetate	ND	1.6	ppbv		ND	5.8	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	1.6	ppbv		ND	7.9	ug/m3
76-13-1	187.4	Freon 113	ND	1.6	ppbv		ND	12	ug/m3
76-14-2	170.9	Freon 114	ND	1.6	ppbv		ND	11	ug/m3
142-82-5	100.2	Heptane	ND	1.6	ppbv		ND	6.6	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.6	ppbv		ND	17	ug/m3
110-54-3	86.17	Hexane	ND	1.6	ppbv		ND	5.6	ug/m3
591-78-6	100	2-Hexanone	ND	1.6	ppbv		ND	6.5	ug/m3
67-63-0	60.1	Isopropyl Alcohol	19.7	1.6	ppbv		48.4	3.9	ug/m3
75-09-2	84.94	Methylene chloride	ND	1.6	ppbv		ND	5.6	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	1.6	ppbv		ND	4.7	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.6	ppbv		ND	6.6	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.6	ppbv		ND	5.8	ug/m3
115-07-1	42	Propylene	3.0	4.0	ppbv	J	5.2	6.9	ug/m3
100-42-5	104.1	Styrene	ND	1.6	ppbv		ND	6.8	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	1.6	ppbv		ND	8.7	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	1.6	ppbv		ND	11	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	1.6	ppbv		ND	8.7	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.6	ppbv		ND	12	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	1.6	ppbv		ND	7.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	1.6	ppbv		ND	7.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.6	ppbv		ND	7.5	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	1.6	ppbv		ND	4.9	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	1.6	ppbv		ND	11	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	1.6	ppbv		ND	4.7	ug/m3
108-88-3	92.14	Toluene	3.4	1.6	ppbv		13	6.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	1.6	ppbv		ND	8.6	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.6	ppbv		ND	9.0	ug/m3
75-01-4	62.5	Vinyl chloride	ND	1.6	ppbv		ND	4.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	1.6	ppbv		ND	5.6	ug/m3
	106.2	m,p-Xylene	2.0	1.6	ppbv		8.7	6.9	ug/m3
95-47-6	106.2	o-Xylene	ND	1.6	ppbv		ND	6.9	ug/m3
1330-20-7	106.2	Xylenes (total)	2.0	1.6	ppbv		8.7	6.9	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		78-124%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log



CHAIN OF CUSTODY

AIR Air Sampling Field Data Sheet

FED-EX Tracking #

Bottle Order Control #

Lab Order #

PAGE 1 OF 1

Company Name Woodward & Curran		Project Name Exxon Mobil-Westchester Co. Airport		Weather Parameters		Requested Analysis 70-15 HI-Lo Full List				
Address 1520 Highland Ave		Street 240 Airport Rd		Temperature (Fahrenheit)						
City Cheshire State CT Zip 0610		City White Plains State NY		Start: 41° Maximum Stop: 44° Minimum						
Project Contact Anne Proctor E-mail aproctor@woodwardcurran.com		Project # 172152YOS CROW		Atmospheric Pressure (inches of Hg)						
Phone # 203-271-0379 Fax # 203-271-7952		Client Purchase Order #		Start: 30.11" Maximum Stop: 29.95" Minimum		Standard TO-15 Reporting List				
Sampler(s) Name(s) INDIRA KLOTZEL (Rau Associates)		Other weather comment:								
Air Type		Sampling Equipment Info		Start Sampling Information						
Indoor (I) Sol Vap (SV) Ambient (A)		Canister Serial # Canister Size (L) Flow Controller Serial #		Date Time (24hr clock) Canister Pressure (Tg) Interior Temp (F) Sampler Init.						
Lab Sample #	Field ID / Point of Collection					Stop Sampling Information				
						Date Time (24hr clock) Canister Pressure (Tg) Interior Temp (F) Sampler Init.				
-1	Outdoor Air - Office	A	A-462 6L FC192	11/29/07 0809	-30	2K	11/29/07 1250	-5	2K	X
-2	Indoor Air - SSV-2	I	A-293 6L FC094	0811	272	2K	11/29/07 1151	-4	2K	X
-3	SSV-2	SV	A-352 6L FC188	0824	-30	2K	11/29/07 1300	-4	2K	X
-4	Outdoor Air - Hanger Door	A	A-749 6L FC338	0834	-30	2K	11/29/07 1247	-4.5	2K	X
-5	Indoor Air - SSV-2	I	A-465 6L FC315	0843	-30	2K	11/29/07 1307	-4	2K	X
-6	SSV-2	SV	A-270 6L FC288	0851	-30	2K	11/29/07 1106	-1	2K	X
* * Indoor Air - SSV-1 and Indoor Air - SSV-2 are to be analyzed by Air Toxics in California as per Matt Cordova * * (70-15 HI-Lo Full List)										
* Summa shipped separately 11/29/07										
Turnaround Time (Business Days)		Data Deliverable Information		Comments / Remarks						
Standard - 15 Days	<input checked="" type="checkbox"/>	All NJDEP TO-15 is mandatory Full T1		Bill to: Exxon Mobil Manager						
10 Day	<input type="checkbox"/>	Comm A		Mike Lamarre						
5 Day	<input type="checkbox"/>	Comm B		401-424-7358						
3 Day	<input type="checkbox"/>	Reduced T2		* See compounds of concern below						
2 Day	<input type="checkbox"/>	Full T1								
1 Day	<input type="checkbox"/>	Other:								
Other	<input type="checkbox"/>	* labeled 'Indoor Air - SSV-1' 11/29/07								
Sample Custody must be documented below each time samples change possession, including courier delivery.										
Relinquished By: Laboratory	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:				
3	11/29/07 06:30	1		2		2				
3	11/29/07 1500	3	EdX	4	EdX	4				
5		5		4	11/29/07 0930	4				
5		5		4		4				

Constituents of concern include:
1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, cis-1,2-dichloroethene, chloroform, tetrachloroethane, trans-1,2-dichloroethene, chloroethane, vinyl chloride, methylene chloride, and trichloroethene

J77796: Chain of Custody

Page 1 of 1

14 of 15
J77796 Laboratories

Summa Canister and Flow Controller Log

Page 1 of 1

Job Number: J77796

Account: WCMAD Woodard & Curran

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

Received: 11/30/07

3.2
3

SUMMA CANISTERS													
Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A462	6	29.4	11/21/07	HSC	CP2552	W15412.D	J77796-1	11/30/07	HSC	3.5			1
A352	6	29.4	11/26/07	HSC	CP2553	W15423.D	J77796-3	11/30/07	HSC	3			1
A749	6	29.4	11/21/07	HSC	CP2552	W15412.D	J77796-4	11/30/07	HSC	3			1
A270	6	29.4	11/21/07	HSC	CP2544	3W4273.D	J77796-6	12/03/07	HSC	0			1

FLOW CONTROLLERS								
Shipping					Receiving			
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	
FC094	11/21/07	HSC	20.8	4	11/30/07	HSC	23.8	
FC168	11/26/07	HSC	20.9	4	11/30/07	HSC	19.8	
FC192	11/21/07	HSC	20.8	4	11/30/07	HSC	23.7	
FC315	11/21/07	HSC	20.8	4	11/30/07	HSC	20.2	
FC338	11/21/07	HSC	20.8	4	11/30/07	HSC	24.5	

Accutest Bottle Order(s):

MC-11/16/2007-3

MC-11/26/2007-11

Prep Date	Room Temp(F)	Bar Pres "Hg
11/21/07	70.7	29.94
11/26/07	70.7	30



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0712052

Work Order Summary

CLIENT: Ms. Anne Proctor
Woodard Curran
1520 Highland Avenue
Cheshire, CT 06410

BILL TO: Ms. Anne Proctor
Woodard Curran
1520 Highland Avenue
Cheshire, CT 06410

PHONE: 203-271-0379

P.O. #

FAX: 203-271-7952

PROJECT # J77796X ExxonMobil Westchester Co

DATE RECEIVED: 12/04/2007

CONTACT: Airport
Bryanna Langley

DATE COMPLETED: 12/17/2007

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	J77796X-2	Modified TO-15	4.0 "Hg	5 psi
01AA	J77796X-2 Lab Duplicate	Modified TO-15	4.0 "Hg	5 psi
01B	J77796X-2	Modified TO-15	4.0 "Hg	5 psi
01BB	J77796X-2 Lab Duplicate	Modified TO-15	4.0 "Hg	5 psi
02A	J77796X-5	Modified TO-15	3.0 "Hg	5 psi
02B	J77796X-5	Modified TO-15	3.0 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
03B	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
04B	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA
05B	LCS	Modified TO-15	NA	NA

CERTIFIED BY:

Laboratory Director

DATE: 12/17/07

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

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
Woodard Curran
Workorder# 0712052**

Two Client Canister samples were received on December 04, 2007. 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	$\leq 30\%$ 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 $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	For Full Scan: $\leq 30\%$ Difference with four allowed out up to $\leq 40\%$.; flag and narrate outliers For SIM: Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$.; 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

Samples J77796X-2 and J77796X-5 were collected in client provided canisters. Media cleanliness and certification information should be obtained by the data user separate from this report.

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.

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J77796X-2

Lab ID#: 0712052-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.58	0.77	2.9
Chloromethane	0.16	0.59	0.32	1.2
1,3-Butadiene	0.16	0.35	0.34	0.78
Freon 11	0.16	0.52 J	0.87	2.9 J
Ethanol	0.78	40	1.5	76
Acetone	0.78	6.4	1.8	15
2-Propanol	0.78	19	1.9	47
Methylene Chloride	0.31	0.33	1.1	1.2
Hexane	0.16	0.22	0.55	0.77
2-Butanone (Methyl Ethyl Ketone)	0.16	0.69	0.46	2.0
Benzene	0.16	0.57	0.50	1.8
Heptane	0.16	0.19	0.64	0.78
Toluene	0.16	1.8	0.58	7.0
Tetrachloroethene	0.16	0.19	1.0	1.3
m,p-Xylene	0.16	0.44	0.67	1.9
o-Xylene	0.16	0.16	0.67	0.67
4-Ethyltoluene	0.16	0.19	0.76	0.94
1,2,4-Trimethylbenzene	0.16	0.22	0.76	1.1

Client Sample ID: J77796X-2 Lab Duplicate

Lab ID#: 0712052-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.61	0.77	3.0
Chloromethane	0.16	0.61	0.32	1.2
1,3-Butadiene	0.16	0.40	0.34	0.89
Freon 11	0.16	0.52 J	0.87	2.9 J
Ethanol	0.78	41	1.5	76
Acetone	0.78	6.2	1.8	15
2-Propanol	0.78	18	1.9	45
Methylene Chloride	0.31	0.32	1.1	1.1
Hexane	0.16	0.21	0.55	0.73
2-Butanone (Methyl Ethyl Ketone)	0.16	0.78	0.46	2.3
Benzene	0.16	0.52	0.50	1.6
Heptane	0.16	0.18	0.64	0.75
Toluene	0.16	1.7	0.58	6.6
Tetrachloroethene	0.16	0.20	1.0	1.3



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J77796X-2 Lab Duplicate

Lab ID#: 0712052-01AA

m,p-Xylene	0.16	0.41	0.67	1.8
4-Ethyltoluene	0.16	0.17	0.76	0.85
1,2,4-Trimethylbenzene	0.16	0.21	0.76	1.0

Client Sample ID: J77796X-2

Lab ID#: 0712052-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.031	1.3	0.17	6.8

Client Sample ID: J77796X-2 Lab Duplicate

Lab ID#: 0712052-01BB

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.031	1.2	0.17	6.5

Client Sample ID: J77796X-5

Lab ID#: 0712052-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.15	0.59	0.74	2.9
Chloromethane	0.15	0.55	0.31	1.1
1,3-Butadiene	0.15	0.39	0.33	0.86
Freon 11	0.15	0.28 J	0.84	1.6 J
Ethanol	0.74	10	1.4	19
Acetone	0.74	3.9	1.8	9.3
2-Propanol	0.74	22	1.8	54
Hexane	0.15	0.28	0.52	0.98
2-Butanone (Methyl Ethyl Ketone)	0.15	0.76	0.44	2.2
Benzene	0.15	0.63	0.48	2.0
Heptane	0.15	0.35	0.61	1.4
Toluene	0.15	2.6	0.56	9.9
Ethyl Benzene	0.15	0.21	0.65	0.93
m,p-Xylene	0.15	0.54	0.65	2.4
o-Xylene	0.15	0.16	0.65	0.70
4-Ethyltoluene	0.15	0.33	0.73	1.6
1,2,4-Trimethylbenzene	0.15	0.29	0.73	1.4



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J77796X-5

Lab ID#: 0712052-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.030	0.095	0.16	0.51



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-2

Lab ID#: 0712052-01A

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

File Name:	z121022	Date of Collection:	11/29/07	
Dil. Factor:	1.55	Date of Analysis:	12/11/07 05:06 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.58	0.77	2.9
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.59	0.32	1.2
1,3-Butadiene	0.16	0.35	0.34	0.78
Bromomethane	0.16	Not Detected	0.60	Not Detected
Chloroethane	0.16	Not Detected	0.41	Not Detected
Freon 11	0.16	0.52 J	0.87	2.9 J
Ethanol	0.78	40	1.5	76
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Acetone	0.78	6.4	1.8	15
2-Propanol	0.78	19	1.9	47
Carbon Disulfide	0.78	Not Detected	2.4	Not Detected
Methylene Chloride	0.31	0.33	1.1	1.2
Methyl tert-butyl ether	0.16	Not Detected U J	0.56	Not Detected U J
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Hexane	0.16	0.22	0.55	0.77
1,1-Dichloroethane	0.16	Not Detected	0.63	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	0.69	0.46	2.0
cis-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.16	Not Detected	0.76	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Cyclohexane	0.16	Not Detected	0.53	Not Detected
Carbon Tetrachloride	0.16	Not Detected	0.98	Not Detected
Benzene	0.16	0.57	0.50	1.8
1,2-Dichloroethane	0.16	Not Detected	0.63	Not Detected
Heptane	0.16	0.19	0.64	0.78
1,2-Dichloropropane	0.16	Not Detected	0.72	Not Detected
1,4-Dioxane	0.16	Not Detected	0.56	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.63	Not Detected
Toluene	0.16	1.8	0.58	7.0
trans-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Tetrachloroethene	0.16	0.19	1.0	1.3
2-Hexanone	0.78	Not Detected	3.2	Not Detected
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-2

Lab ID#: 0712052-01A

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

File Name:	z121022	Date of Collection:	11/29/07
Dil. Factor:	1.55	Date of Analysis:	12/11/07 05:06 AM

Compound	Rot. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.71	Not Detected
Ethyl Benzene	0.16	Not Detected	0.67	Not Detected
m,p-Xylene	0.16	0.44	0.67	1.9
o-Xylene	0.16	0.16	0.67	0.67
Styrene	0.16	Not Detected	0.66	Not Detected
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.76	Not Detected
4-Ethyltoluene	0.16	0.19	0.76	0.94
1,3,5-Trimethylbenzene	0.16	Not Detected	0.76	Not Detected
1,2,4-Trimethylbenzene	0.16	0.22	0.76	1.1
1,3-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.80	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,2,4-Trichlorobenzene	0.78	Not Detected	5.8	Not Detected
Hexachlorobutadiene	0.78	Not Detected	8.3	Not Detected

J = Estimated value due to bias in the CCV.

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

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	87	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-2 Lab Duplicate

Lab ID#: 0712052-01AA

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

File Name:	z121024	Date of Collection:	11/29/07
Dil. Factor:	1.55	Date of Analysis:	12/11/07 07:36 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.61	0.77	3.0
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.61	0.32	1.2
1,3-Butadiene	0.16	0.40	0.34	0.89
Bromomethane	0.16	Not Detected	0.60	Not Detected
Chloroethane	0.16	Not Detected	0.41	Not Detected
Freon 11	0.16	0.52 J	0.87	2.9 J
Ethanol	0.78	41	1.5	76
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Acetone	0.78	6.2	1.8	15
2-Propanol	0.78	18	1.9	45
Carbon Disulfide	0.78	Not Detected	2.4	Not Detected
Methylene Chloride	0.31	0.32	1.1	1.1
Methyl tert-butyl ether	0.16	Not Detected U J	0.56	Not Detected U J
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Hexane	0.16	0.21	0.55	0.73
1,1-Dichloroethane	0.16	Not Detected	0.63	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	0.78	0.46	2.3
cis-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.16	Not Detected	0.76	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Cyclohexane	0.16	Not Detected	0.53	Not Detected
Carbon Tetrachloride	0.16	Not Detected	0.98	Not Detected
Benzene	0.16	0.52	0.50	1.6
1,2-Dichloroethane	0.16	Not Detected	0.63	Not Detected
Heptane	0.16	0.18	0.64	0.75
1,2-Dichloropropane	0.16	Not Detected	0.72	Not Detected
1,4-Dioxane	0.16	Not Detected	0.56	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.63	Not Detected
Toluene	0.16	1.7	0.58	6.6
trans-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Tetrachloroethene	0.16	0.20	1.0	1.3
2-Hexanone	0.78	Not Detected	3.2	Not Detected
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-2 Lab Duplicate

Lab ID#: 0712052-01AA

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

File Name:	z121024	Date of Collection:	11/29/07
Dil. Factor:	1.55	Date of Analysis:	12/11/07 07:36 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.71	Not Detected
Ethyl Benzene	0.16	Not Detected	0.67	Not Detected
m,p-Xylene	0.16	0.41	0.67	1.8
o-Xylene	0.16	Not Detected	0.67	Not Detected
Styrene	0.16	Not Detected	0.66	Not Detected
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.76	Not Detected
4-Ethyltoluene	0.16	0.17	0.76	0.85
1,3,5-Trimethylbenzene	0.16	Not Detected	0.76	Not Detected
1,2,4-Trimethylbenzene	0.16	0.21	0.76	1.0
1,3-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.80	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,2,4-Trichlorobenzene	0.78	Not Detected	5.8	Not Detected
Hexachlorobutadiene	0.78	Not Detected	8.3	Not Detected

J = Estimated value due to bias in the CCV.

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

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	94	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-2

Lab ID#: 0712052-01B

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

File Name:	z121022sim	Date of Collection:	11/29/07
Dil. Factor:	1.55	Date of Analysis:	12/11/07 05:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.031	1.3	0.17	6.8
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-2 Lab Duplicate

Lab ID#: 0712052-01BB

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

File Name:	z121024sim	Date of Collection:	11/29/07
Dil. Factor:	1.55	Date of Analysis:	12/11/07 07:36 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.031	1.2	0.17	6.5
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-5

Lab ID#: 0712052-02A

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

MODIFIED EXTRACTED TO IS GC/MS DATA FILE SCAN				
File Name:	z121023	Date of Collection: 11/29/07		
Dil. Factor:	1.49	Date of Analysis: 12/11/07 06:27 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.15	0.59	0.74	2.9
Freon 114	0.15	Not Detected	1.0	Not Detected
Chloromethane	0.15	0.55	0.31	1.1
1,3-Butadiene	0.15	0.39	0.33	0.86
Bromomethane	0.15	Not Detected	0.58	Not Detected
Chloroethane	0.15	Not Detected	0.39	Not Detected
Freon 11	0.15	0.28 J	0.84	1.6 J
Ethanol	0.74	10	1.4	19
Freon 113	0.15	Not Detected	1.1	Not Detected
1,1-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	3.9	1.8	9.3
2-Propanol	0.74	22	1.8	54
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.30	Not Detected	1.0	Not Detected
Methyl tert-butyl ether	0.15	Not Detected U J	0.54	Not Detected U J
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Hexane	0.15	0.28	0.52	0.98
1,1-Dichloroethane	0.15	Not Detected	0.60	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.15	0.76	0.44	2.2
cis-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Tetrahydrofuran	0.74	Not Detected	2.2	Not Detected
Chloroform	0.15	Not Detected	0.73	Not Detected
1,1,1-Trichloroethane	0.15	Not Detected	0.81	Not Detected
Cyclohexane	0.15	Not Detected	0.51	Not Detected
Carbon Tetrachloride	0.15	Not Detected	0.94	Not Detected
Benzene	0.15	0.63	0.48	2.0
1,2-Dichloroethane	0.15	Not Detected	0.60	Not Detected
Heptane	0.15	0.35	0.61	1.4
1,2-Dichloropropane	0.15	Not Detected	0.69	Not Detected
1,4-Dioxane	0.15	Not Detected	0.54	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
4-Methyl-2-pentanone	0.15	Not Detected	0.61	Not Detected
Toluene	0.15	2.6	0.56	9.9
trans-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.81	Not Detected
Tetrachloroethene	0.15	Not Detected	1.0	Not Detected
2-Hexanone	0.74	Not Detected	3.0	Not Detected
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-5

Lab ID#: 0712052-02A

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

File Name:	z121023	Date of Collection:	11/29/07
Dil. Factor:	1.49	Date of Analysis:	12/11/07 06:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.1	Not Detected
Chlorobenzene	0.15	Not Detected	0.68	Not Detected
Ethyl Benzene	0.15	0.21	0.65	0.93
m,p-Xylene	0.15	0.54	0.65	2.4
o-Xylene	0.15	0.16	0.65	0.70
Styrene	0.15	Not Detected	0.63	Not Detected
Bromoform	0.15	Not Detected	1.5	Not Detected
Cumene	0.15	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
Propylbenzene	0.15	Not Detected	0.73	Not Detected
4-Ethyltoluene	0.15	0.33	0.73	1.6
1,3,5-Trimethylbenzene	0.15	Not Detected	0.73	Not Detected
1,2,4-Trimethylbenzene	0.15	0.29	0.73	1.4
1,3-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.77	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,2,4-Trichlorobenzene	0.74	Not Detected	5.5	Not Detected
Hexachlorobutadiene	0.74	Not Detected	7.9	Not Detected

J = Estimated value due to bias in the CCV.

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

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J77796X-5

Lab ID#: 0712052-02B

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

File Name:	z121023sim	Date of Collection:	11/29/07
Dil. Factor:	1.49	Date of Analysis:	12/11/07 06:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.030	0.095	0.16	0.51
Vinyl Chloride	0.015	Not Detected	0.038	Not Detected

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712052-03A

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

MODIFIED EPA METHOD TO 15 GC/MS SIMULTANEOUS SCAN				
File Name:	z121007	Date of Collection: NA		
Dil. Factor:	1.00	Date of Analysis: 12/10/07 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 U J	0.36	Not Detected U J
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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712052-03A

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

File Name:	z121007	Date of Collection:	NA	
Dil. Factor:	1.00	Date of Analysis:	12/10/07 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

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	89	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712052-03B

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

File Name:	z121007sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/10/07 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	105	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0712052-04A

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

File Name:	z121003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/10/07 11:22 AM

Compound	%Recovery
Freon 12	114
Freon 114	115
Chloromethane	113
1,3-Butadiene	114
Bromomethane	109
Chloroethane	110
Freon 11	134 Q
Ethanol	76
Freon 113	100
1,1-Dichloroethene	102
Acetone	95
2-Propanol	79
Carbon Disulfide	110
Methylene Chloride	104
Methyl tert-butyl ether	66 Q
trans-1,2-Dichloroethene	103
Hexane	103
1,1-Dichloroethane	106
2-Butanone (Methyl Ethyl Ketone)	99
cis-1,2-Dichloroethene	95
Tetrahydrofuran	100
Chloroform	107
1,1,1-Trichloroethane	101
Cyclohexane	102
Carbon Tetrachloride	107
Benzene	107
1,2-Dichloroethane	111
Heptane	109
1,2-Dichloropropane	108
1,4-Dioxane	94
Bromodichloromethane	112
cis-1,3-Dichloropropene	97
4-Methyl-2-pentanone	105
Toluene	102
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	116
Tetrachloroethene	111
2-Hexanone	92
Dibromochloromethane	118



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0712052-04A

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

File Name:	z121003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/10/07 11:22 AM

Compound	%Recovery
1,2-Dibromoethane (EDB)	114
Chlorobenzene	105
Ethyl Benzene	109
m,p-Xylene	112
o-Xylene	109
Styrene	108
Bromoform	112
Cumene	107
1,1,2,2-Tetrachloroethane	104
Propylbenzene	105
4-Ethyltoluene	103
1,3,5-Trimethylbenzene	110
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	92
alpha-Chlorotoluene	80
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	77
Hexachlorobutadiene	97

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0712052-04B

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

File Name:	z121003sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/10/07 11:22 AM

Compound	%Recovery
Trichloroethene	92
Vinyl Chloride	111

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712052-05A

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

File Name:	z121004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/10/07 12:09 PM

Compound	%Recovery
Freon 12	108
Freon 114	110
Chloromethane	110
1,3-Butadiene	103
Bromomethane	97
Chloroethane	114
Freon 11	126
Ethanol	80
Freon 113	113
1,1-Dichloroethene	112
Acetone	97
2-Propanol	85
Carbon Disulfide	109
Methylene Chloride	103
Methyl tert-butyl ether	52 Q
trans-1,2-Dichloroethene	105
Hexane	104
1,1-Dichloroethane	109
2-Butanone (Methyl Ethyl Ketone)	101
cis-1,2-Dichloroethene	98
Tetrahydrofuran	102
Chloroform	107
1,1,1-Trichloroethane	102
Cyclohexane	105
Carbon Tetrachloride	109
Benzene	108
1,2-Dichloroethane	112
Heptane	110
1,2-Dichloropropane	109
1,4-Dioxane	111
Bromodichloromethane	114
cis-1,3-Dichloropropene	95
4-Methyl-2-pentanone	108
Toluene	111
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	115
Tetrachloroethene	113
2-Hexanone	90
Dibromochloromethane	123



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712052-05A

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

File Name:	z121004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/10/07 12:09 PM

Compound	%Recovery
1,2-Dibromoethane (EDB)	112
Chlorobenzene	104
Ethyl Benzene	109
m,p-Xylene	108
o-Xylene	114
Styrene	103
Bromoform	123
Cumene	114
1,1,2,2-Tetrachloroethane	110
Propylbenzene	112
4-Ethyltoluene	110
1,3,5-Trimethylbenzene	112
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	100
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	105
1,2,4-Trichlorobenzene	75
Hexachlorobutadiene	95

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712052-05B

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

File Name:	z121004sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/10/07 12:09 PM

Compound	%Recovery
Trichloroethene	96
Vinyl Chloride	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	100	70-130



CHAIN OF CUSTODY

Receipt V502 12/17/07
CUSTODY

01259

• Fresh Ponds Corporate Village, Building B
2225 Route 130, Dayton, NJ 08810
908-229-0200 FAX: 908-229-5409/5480

ACCUTEST Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, NJ 08810 908-229-0200 FAX: 908-229-5409/5480		Accutest Job #: Accutest Duplicate #:	
Client Information Name: Accutest Address: 2235 Route 130 Dayton, NJ 08810 City: Dayton State: NJ Zip: 08810 Contact: Matt Cordova Send Report to: Phone #: (732) 329-0200 X-214 FAX #: (732) 329-3499		Facility Information Project Name: ExxonMobil Westchester Co airport Location: ExxonMobil Westchester Co airport Project No.: J77795X FAX #: (732) 329-3499	
Collection Field ID / Point of Collection: 403 J77795X-2 Date: 11/29/07 Time: 11:51 Matrix: Other # of bottles: 1 Preservation: 1604/19 3-04/19		Data Deliverable Information: <input type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> FULL GLP <input type="checkbox"/> Disk Deliverable <input checked="" type="checkbox"/> Other (Specify) FULL deliv.	
Turnaround Information Approved By: [X] 21 Day Standard [X] 14 Day <input type="checkbox"/> 7 Days EMERGENCY <input type="checkbox"/> Other _____ (Days) 21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.		Relinquished By: Relinquished By: 12/4/07 1700 Date Time: 12/4/07 1700 Relinquished By: 12/4/07 1700 Date Time: 12/4/07 1700 Relinquished By: 12/4/07 1700 Date Time: 12/4/07 1700	
Comments / Remarks: Please call Matt Cordova 732 355-4550 prior to running		Received By: Received By: 2 Date Time: 12/4/07 1700 Relinquished By: 12/4/07 1700 Date Time: 12/4/07 1700 Relinquished By: 12/4/07 1700 Date Time: 12/4/07 1700	

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CUSTODY SEAL INTACT?
Y N NONE TEMP N/A



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804059

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 #	J87055X ExxonMobil Westchester Co
DATE RECEIVED:	04/02/2008	CONTACT:	Airport Bryanna Langley
DATE COMPLETED:	04/17/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	J87055X-2	Modified TO-15	7.5 "Hg	5 psi
01AA	J87055X-2 Lab Duplicate	Modified TO-15	7.5 "Hg	5 psi
01B	J87055X-2	Modified TO-15	7.5 "Hg	5 psi
01BB	J87055X-2 Lab Duplicate	Modified TO-15	7.5 "Hg	5 psi
02A	J87055X-4	Modified TO-15	5.5 "Hg	5 psi
02B	J87055X-4	Modified TO-15	5.5 "Hg	5 psi
03A	J87055X-5	Modified TO-15	6.5 "Hg	5 psi
03B	J87055X-5	Modified TO-15	6.5 "Hg	5 psi
04A	J87055X-6	Modified TO-15	5.0 "Hg	5 psi
04B	J87055X-6	Modified TO-15	5.0 "Hg	5 psi
05A	Lab Blank	Modified TO-15	NA	NA
05B	Lab Blank	Modified TO-15	NA	NA
06A	CCV	Modified TO-15	NA	NA
06B	CCV	Modified TO-15	NA	NA
07A	LCS	Modified TO-15	NA	NA
07B	LCS	Modified TO-15	NA	NA

CERTIFIED BY:

Laboratory Director

DATE: 04/17/08

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
Accutest
Workorder# 0804059

Two 6 Liter Summa Canister and two Client Canister samples were received on April 02, 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.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ 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 $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	For Full Scan: $\leq 30\%$ Difference with four allowed out up to $\leq 40\%$; flag and narrate outliers For SIM: Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; 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

Samples J87055X-4 and J87055X-6 were collected in client provided canisters. Media cleanliness and certification information should be obtained by the data user separate from this report.

Per client request, the canisters used for sample's J87055X-2 and J87055X-5 were not individually

certified, therefore, all results less than 0.5 ppbv may be false positives.

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J87055X-2

Lab ID#: 0804059-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.22	0.54	1.1	2.7
Chloromethane	0.22	0.45	0.46	0.93
Ethanol	1.1	27	2.1	50
Acetone	1.1	5.9	2.7	14
2-Propanol	1.1	74	2.8	180
Hexane	0.22	0.39	0.79	1.4
2-Butanone (Methyl Ethyl Ketone)	0.22	32	0.66	94
Benzene	0.22	0.34	0.72	1.1
Heptane	0.22	0.46	0.92	1.9
Toluene	0.22	1.8	0.84	6.8
m,p-Xylene	0.22	0.51	0.97	2.2
o-Xylene	0.22	0.24	0.97	1.0
4-Ethyltoluene	0.22	0.56	1.1	2.8
1,2,4-Trimethylbenzene	0.22	0.78	1.1	3.8

Client Sample ID: J87055X-2 Lab Duplicate

Lab ID#: 0804059-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.22	0.49	1.1	2.4
Chloromethane	0.22	0.46	0.46	0.94
Ethanol	1.1	28	2.1	53
Acetone	1.1	6.0	2.7	14
2-Propanol	1.1	73	2.8	180
Hexane	0.22	0.37	0.79	1.3
2-Butanone (Methyl Ethyl Ketone)	0.22	31	0.66	91
Benzene	0.22	0.37	0.72	1.2
Heptane	0.22	0.47	0.92	1.9
Toluene	0.22	1.9	0.84	7.2
m,p-Xylene	0.22	0.55	0.97	2.4
o-Xylene	0.22	0.26	0.97	1.1
4-Ethyltoluene	0.22	0.56	1.1	2.7
1,2,4-Trimethylbenzene	0.22	0.79	1.1	3.9

Client Sample ID: J87055X-2

Lab ID#: 0804059-01B



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J87055X-2

Lab ID#: 0804059-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.045	0.15	0.24	0.79

Client Sample ID: J87055X-2 Lab Duplicate

Lab ID#: 0804059-01BB

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.045	0.15	0.24	0.80

Client Sample ID: J87055X-4

Lab ID#: 0804059-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.50	0.81	2.5
Chloromethane	0.16	0.46	0.34	0.96
Freon 11	0.16	0.24	0.92	1.4
Ethanol	0.82	150 E	1.5	280 E
Acetone	0.82	7.1	1.9	17
2-Propanol	0.82	16	2.0	40
Methylene Chloride	0.33	0.35	1.1	1.2
Hexane	0.16	0.22	0.58	0.77
2-Butanone (Methyl Ethyl Ketone)	0.16	5.8	0.48	17
Benzene	0.16	0.26	0.52	0.84
Heptane	0.16	0.25	0.67	1.0
Toluene	0.16	1.0	0.62	3.8
Tetrachloroethene	0.16	0.20	1.1	1.3
m,p-Xylene	0.16	0.36	0.71	1.6
4-Ethyltoluene	0.16	0.20	0.81	1.0
1,2,4-Trimethylbenzene	0.16	0.27	0.81	1.3

Client Sample ID: J87055X-4

Lab ID#: 0804059-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.033	1.1	0.18	5.8



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J87055X-5

Lab ID#: 0804059-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.17	0.49	0.84	2.4
Chloromethane	0.17	0.46	0.35	0.96
Freon 11	0.17	0.24	0.96	1.3
Ethanol	0.86	150 E	1.6	280 E
Acetone	0.86	32	2.0	76
2-Propanol	0.86	18	2.1	45
Hexane	0.17	0.29	0.60	1.0
2-Butanone (Methyl Ethyl Ketone)	0.17	9.2	0.50	27
Benzene	0.17	0.28	0.55	0.88
Heptane	0.17	0.43	0.70	1.7
4-Methyl-2-pentanone	0.17	0.26	0.70	1.0
Toluene	0.17	1.2	0.64	4.6
Tetrachloroethene	0.17	0.20	1.2	1.4
m,p-Xylene	0.17	0.38	0.74	1.6
4-Ethyltoluene	0.17	0.20	0.84	1.0
1,2,4-Trimethylbenzene	0.17	0.29	0.84	1.4

Client Sample ID: J87055X-5

Lab ID#: 0804059-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.034	0.97	0.18	5.2

Client Sample ID: J87055X-6

Lab ID#: 0804059-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.51	0.80	2.5
Chloromethane	0.16	0.56	0.33	1.2
Freon 11	0.16	0.22	0.90	1.3
Ethanol	0.80	140 E	1.5	270 E
Acetone	0.80	7.5	1.9	18
2-Propanol	0.80	16	2.0	38
Methylene Chloride	0.32	0.32	1.1	1.1
Hexane	0.16	0.20	0.57	0.72
2-Butanone (Methyl Ethyl Ketone)	0.16	6.1	0.47	18



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J87055X-6

Lab ID#: 0804059-04A

Benzene	0.16	0.28	0.51	0.90
Heptane	0.16	0.26	0.66	1.1
Toluene	0.16	1.0	0.61	3.9
Tetrachloroethene	0.16	0.20	1.1	1.3
m,p-Xylene	0.16	0.38	0.70	1.6
4-Ethyltoluene	0.16	0.20	0.79	0.99
1,2,4-Trimethylbenzene	0.16	0.27	0.79	1.3

Client Sample ID: J87055X-6

Lab ID#: 0804059-04B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.032	1.1	0.17	5.9



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-2

Lab ID#: 0804059-01A

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

File Name:	g040823	Date of Collection:	3/28/08
Dil. Factor:	2.24	Date of Analysis:	4/9/08 02:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.22	0.54	1.1	2.7
Freon 114	0.22	Not Detected	1.6	Not Detected
Chloromethane	0.22	0.45	0.46	0.93
1,3-Butadiene	0.22	Not Detected	0.50	Not Detected
Bromomethane	0.22	Not Detected	0.87	Not Detected
Chloroethane	0.22	Not Detected	0.59	Not Detected
Freon 11	0.22	Not Detected	1.2	Not Detected
Ethanol	1.1	27	2.1	50
Freon 113	0.22	Not Detected	1.7	Not Detected
1,1-Dichloroethene	0.22	Not Detected	0.89	Not Detected
Acetone	1.1	5.9	2.7	14
2-Propanol	1.1	74	2.8	180
Carbon Disulfide	1.1	Not Detected	3.5	Not Detected
Methylene Chloride	0.45	Not Detected	1.6	Not Detected
Methyl tert-butyl ether	0.22	Not Detected	0.81	Not Detected
trans-1,2-Dichloroethene	0.22	Not Detected	0.89	Not Detected
Hexane	0.22	0.39	0.79	1.4
1,1-Dichloroethane	0.22	Not Detected	0.91	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.22	32	0.66	94
cis-1,2-Dichloroethene	0.22	Not Detected	0.89	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	0.22	Not Detected	1.1	Not Detected
1,1,1-Trichloroethane	0.22	Not Detected	1.2	Not Detected
Cyclohexane	0.22	Not Detected	0.77	Not Detected
Carbon Tetrachloride	0.22	Not Detected	1.4	Not Detected
Benzene	0.22	0.34	0.72	1.1
1,2-Dichloroethane	0.22	Not Detected	0.91	Not Detected
Heptane	0.22	0.46	0.92	1.9
1,2-Dichloropropane	0.22	Not Detected	1.0	Not Detected
1,4-Dioxane	0.22	Not Detected	0.81	Not Detected
Bromodichloromethane	0.22	Not Detected	1.5	Not Detected
cis-1,3-Dichloropropene	0.22	Not Detected	1.0	Not Detected
4-Methyl-2-pentanone	0.22	Not Detected	0.92	Not Detected
Toluene	0.22	1.8	0.84	6.8
trans-1,3-Dichloropropene	0.22	Not Detected	1.0	Not Detected
1,1,2-Trichloroethane	0.22	Not Detected	1.2	Not Detected
Tetrachloroethene	0.22	Not Detected	1.5	Not Detected
2-Hexanone	1.1	Not Detected	4.6	Not Detected
Dibromochloromethane	0.22	Not Detected	1.9	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-2

Lab ID#: 0804059-01A

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

File Name:	g040823	Date of Collection:	3/28/08
Dil. Factor:	2.24	Date of Analysis:	4/9/08 02:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.22	Not Detected	1.7	Not Detected
Chlorobenzene	0.22	Not Detected	1.0	Not Detected
Ethyl Benzene	0.22	Not Detected	0.97	Not Detected
m,p-Xylene	0.22	0.51	0.97	2.2
o-Xylene	0.22	0.24	0.97	1.0
Styrene	0.22	Not Detected	0.95	Not Detected
Bromoform	0.22	Not Detected	2.3	Not Detected
Cumene	0.22	Not Detected	1.1	Not Detected
1,1,2,2-Tetrachloroethane	0.22	Not Detected	1.5	Not Detected
Propylbenzene	0.22	Not Detected	1.1	Not Detected
4-Ethyltoluene	0.22	0.56	1.1	2.8
1,3,5-Trimethylbenzene	0.22	Not Detected	1.1	Not Detected
1,2,4-Trimethylbenzene	0.22	0.78	1.1	3.8
1,3-Dichlorobenzene	0.22	Not Detected	1.3	Not Detected
1,4-Dichlorobenzene	0.22	Not Detected	1.3	Not Detected
alpha-Chlorotoluene	0.22	Not Detected	1.2	Not Detected
1,2-Dichlorobenzene	0.22	Not Detected	1.3	Not Detected
1,2,4-Trichlorobenzene	1.1	Not Detected	8.3	Not Detected
Hexachlorobutadiene	1.1	Not Detected	12	Not Detected

Container Type: 6 Liter Summa Canister

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: J87055X-2 Lab Duplicate

Lab ID#: 0804059-01AA

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

File Name:	g040825	Date of Collection:	3/28/08
Dil. Factor:	2.24	Date of Analysis:	4/9/08 03:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.22	0.49	1.1	2.4
Freon 114	0.22	Not Detected	1.6	Not Detected
Chloromethane	0.22	0.46	0.46	0.94
1,3-Butadiene	0.22	Not Detected	0.50	Not Detected
Bromomethane	0.22	Not Detected	0.87	Not Detected
Chloroethane	0.22	Not Detected	0.59	Not Detected
Freon 11	0.22	Not Detected	1.2	Not Detected
Ethanol	1.1	28	2.1	53
Freon 113	0.22	Not Detected	1.7	Not Detected
1,1-Dichloroethene	0.22	Not Detected	0.89	Not Detected
Acetone	1.1	6.0	2.7	14
2-Propanol	1.1	73	2.8	180
Carbon Disulfide	1.1	Not Detected	3.5	Not Detected
Methylene Chloride	0.45	Not Detected	1.6	Not Detected
Methyl tert-butyl ether	0.22	Not Detected	0.81	Not Detected
trans-1,2-Dichloroethene	0.22	Not Detected	0.89	Not Detected
Hexane	0.22	0.37	0.79	1.3
1,1-Dichloroethane	0.22	Not Detected	0.91	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.22	31	0.66	91
cis-1,2-Dichloroethene	0.22	Not Detected	0.89	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	0.22	Not Detected	1.1	Not Detected
1,1,1-Trichloroethane	0.22	Not Detected	1.2	Not Detected
Cyclohexane	0.22	Not Detected	0.77	Not Detected
Carbon Tetrachloride	0.22	Not Detected	1.4	Not Detected
Benzene	0.22	0.37	0.72	1.2
1,2-Dichloroethane	0.22	Not Detected	0.91	Not Detected
Heptane	0.22	0.47	0.92	1.9
1,2-Dichloropropane	0.22	Not Detected	1.0	Not Detected
1,4-Dioxane	0.22	Not Detected	0.81	Not Detected
Bromodichloromethane	0.22	Not Detected	1.5	Not Detected
cis-1,3-Dichloropropene	0.22	Not Detected	1.0	Not Detected
4-Methyl-2-pentanone	0.22	Not Detected	0.92	Not Detected
Toluene	0.22	1.9	0.84	7.2
trans-1,3-Dichloropropene	0.22	Not Detected	1.0	Not Detected
1,1,2-Trichloroethane	0.22	Not Detected	1.2	Not Detected
Tetrachloroethene	0.22	Not Detected	1.5	Not Detected
2-Hexanone	1.1	Not Detected	4.6	Not Detected
Dibromochloromethane	0.22	Not Detected	1.9	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-2 Lab Duplicate

Lab ID#: 0804059-01AA

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

File Name:	g040825	Date of Collection:	3/28/08
Dil. Factor:	2.24	Date of Analysis:	4/9/08 03:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.22	Not Detected	1.7	Not Detected
Chlorobenzene	0.22	Not Detected	1.0	Not Detected
Ethyl Benzene	0.22	Not Detected	0.97	Not Detected
m,p-Xylene	0.22	0.55	0.97	2.4
o-Xylene	0.22	0.26	0.97	1.1
Styrene	0.22	Not Detected	0.95	Not Detected
Bromoform	0.22	Not Detected	2.3	Not Detected
Cumene	0.22	Not Detected	1.1	Not Detected
1,1,2,2-Tetrachloroethane	0.22	Not Detected	1.5	Not Detected
Propylbenzene	0.22	Not Detected	1.1	Not Detected
4-Ethyltoluene	0.22	0.56	1.1	2.7
1,3,5-Trimethylbenzene	0.22	Not Detected	1.1	Not Detected
1,2,4-Trimethylbenzene	0.22	0.79	1.1	3.9
1,3-Dichlorobenzene	0.22	Not Detected	1.3	Not Detected
1,4-Dichlorobenzene	0.22	Not Detected	1.3	Not Detected
alpha-Chlorotoluene	0.22	Not Detected	1.2	Not Detected
1,2-Dichlorobenzene	0.22	Not Detected	1.3	Not Detected
1,2,4-Trichlorobenzene	1.1	Not Detected	8.3	Not Detected
Hexachlorobutadiene	1.1	Not Detected	12	Not Detected

Container Type: 6 Liter Summa Canister

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-2

Lab ID#: 0804059-01B

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

File Name:	g040823sim	Date of Collection:	3/28/08
Dil. Factor:	2.24	Date of Analysis:	4/9/08 02:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.045	0.15	0.24	0.79
Vinyl Chloride	0.022	Not Detected	0.057	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-2 Lab Duplicate

Lab ID#: 0804059-01BB

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

File Name:	g040825sim	Date of Collection:	3/28/08
Dil. Factor:	2.24	Date of Analysis:	4/9/08 03:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.045	0.15	0.24	0.80
Vinyl Chloride	0.022	Not Detected	0.057	Not Detected

Container Type: 6 Liter Summa Canister

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-4

Lab ID#: 0804059-02A

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

File Name: g040824 Date of Collection: 3/28/08
Dil. Factor: 1.64 Date of Analysis: 4/9/08 02:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.50	0.81	2.5
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.46	0.34	0.96
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	0.24	0.92	1.4
Ethanol	0.82	150 E	1.5	280 E
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Acetone	0.82	7.1	1.9	17
2-Propanol	0.82	16	2.0	40
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
Methylene Chloride	0.33	0.35	1.1	1.2
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	0.22	0.58	0.77
1,1-Dichloroethane	0.16	Not Detected	0.66	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	5.8	0.48	17
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	0.26	0.52	0.84
1,2-Dichloroethane	0.16	Not Detected	0.66	Not Detected
Heptane	0.16	0.25	0.67	1.0
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	1.0	0.62	3.8
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	0.20	1.1	1.3
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: J87055X-4

Lab ID#: 0804059-02A

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

File Name:	g040824	Date of Collection: 3/28/08
Dil. Factor:	1.64	Date of Analysis: 4/9/08 02:54 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	0.36	0.71	1.6
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	0.20	0.81	1.0
1,3,5-Trimethylbenzene	0.16	Not Detected	0.81	Not Detected
1,2,4-Trimethylbenzene	0.16	0.27	0.81	1.3
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

E = Exceeds instrument calibration range.

Container Type: Client Canister

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-4

Lab ID#: 0804059-02B

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

File Name:	g040824sim	Date of Collection:	3/28/08
Dil. Factor:	1.64	Date of Analysis:	4/9/08 02:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.033	1.1	0.18	5.8
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-5

Lab ID#: 0804059-03A

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

File Name:	g040826	Date of Collection:	3/28/08	
Dil. Factor:	1.71	Date of Analysis:	4/9/08 04:23 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.17	0.49	0.84	2.4
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	0.46	0.35	0.96
1,3-Butadiene	0.17	Not Detected	0.38	Not Detected
Bromomethane	0.17	Not Detected	0.66	Not Detected
Chloroethane	0.17	Not Detected	0.45	Not Detected
Freon 11	0.17	0.24	0.96	1.3
Ethanol	0.86	150 E	1.6	280 E
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	32	2.0	76
2-Propanol	0.86	18	2.1	45
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Hexane	0.17	0.29	0.60	1.0
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.17	9.2	0.50	27
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.83	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Cyclohexane	0.17	Not Detected	0.59	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.1	Not Detected
Benzene	0.17	0.28	0.55	0.88
1,2-Dichloroethane	0.17	Not Detected	0.69	Not Detected
Heptane	0.17	0.43	0.70	1.7
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
1,4-Dioxane	0.17	Not Detected	0.62	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
4-Methyl-2-pentanone	0.17	0.26	0.70	1.0
Toluene	0.17	1.2	0.64	4.6
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Tetrachloroethene	0.17	0.20	1.2	1.4
2-Hexanone	0.86	Not Detected	3.5	Not Detected
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-5

Lab ID#: 0804059-03A

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

File Name:	g040826	Date of Collection:	3/28/08
Dil. Factor:	1.71	Date of Analysis:	4/9/08 04:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.79	Not Detected
Ethyl Benzene	0.17	Not Detected	0.74	Not Detected
m,p-Xylene	0.17	0.38	0.74	1.6
o-Xylene	0.17	Not Detected	0.74	Not Detected
Styrene	0.17	Not Detected	0.73	Not Detected
Bromoform	0.17	Not Detected	1.8	Not Detected
Cumene	0.17	Not Detected	0.84	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.84	Not Detected
4-Ethyltoluene	0.17	0.20	0.84	1.0
1,3,5-Trimethylbenzene	0.17	Not Detected	0.84	Not Detected
1,2,4-Trimethylbenzene	0.17	0.29	0.84	1.4
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.88	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected	6.3	Not Detected
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-5

Lab ID#: 0804059-03B

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

File Name:	g040826sim	Date of Collection:	3/28/08
Dil. Factor:	1.71	Date of Analysis:	4/9/08 04:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.034	0.97	0.18	5.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-6

Lab ID#: 0804059-04A

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

MODIFIED EPA METHOD 10-15 GC/MS SIMULTANEOUS SCAN				
File Name:	g040827		Date of Collection: 3/28/08	
Dil. Factor:	1.61		Date of Analysis: 4/9/08 05:00 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.51	0.80	2.5
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.56	0.33	1.2
1,3-Butadiene	0.16	Not Detected	0.36	Not Detected
Bromomethane	0.16	Not Detected	0.62	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.22	0.90	1.3
Ethanol	0.80	140 E	1.5	270 E
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Acetone	0.80	7.5	1.9	18
2-Propanol	0.80	16	2.0	38
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	0.32	1.1	1.1
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Hexane	0.16	0.20	0.57	0.72
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	6.1	0.47	18
cis-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.16	Not Detected	0.79	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Cyclohexane	0.16	Not Detected	0.55	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
Benzene	0.16	0.28	0.51	0.90
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Heptane	0.16	0.26	0.66	1.1
1,2-Dichloropropane	0.16	Not Detected	0.74	Not Detected
1,4-Dioxane	0.16	Not Detected	0.58	Not Detected
Bromodichloromethane	0.16	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.66	Not Detected
Toluene	0.16	1.0	0.61	3.9
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Tetrachloroethene	0.16	0.20	1.1	1.3
2-Hexanone	0.80	Not Detected	3.3	Not Detected
Dibromochloromethane	0.16	Not Detected	1.4	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-6

Lab ID#: 0804059-04A

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

File Name:	g040827	Date of Collection:	3/28/08
Dil. Factor:	1.61	Date of Analysis:	4/9/08 05:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	Not Detected	0.70	Not Detected
m,p-Xylene	0.16	0.38	0.70	1.6
o-Xylene	0.16	Not Detected	0.70	Not Detected
Styrene	0.16	Not Detected	0.68	Not Detected
Bromoform	0.16	Not Detected	1.7	Not Detected
Cumene	0.16	Not Detected	0.79	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.79	Not Detected
4-Ethyltoluene	0.16	0.20	0.79	0.99
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	0.27	0.79	1.3
1,3-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.83	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected	6.0	Not Detected
Hexachlorobutadiene	0.80	Not Detected	8.6	Not Detected

E = Exceeds instrument calibration range.

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-6

Lab ID#: 0804059-04B

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

File Name:	g040827sim	Date of Collection:	3/28/08
Dil. Factor:	1.61	Date of Analysis:	4/9/08 05:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.032	1.1	0.17	5.9
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected

Container Type: Client Canister

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804059-05A

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

File Name:	g040807	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 01:49 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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804059-05A

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

File Name:	g040807	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 01:49 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	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804059-05B

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

File Name:	g040807sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 01:49 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	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804059-06A

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

File Name:	g040802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 09:27 AM

Compound	%Recovery
Freon 12	102
Freon 114	94
Chloromethane	97
1,3-Butadiene	96
Bromomethane	110
Chloroethane	105
Freon 11	118
Ethanol	113
Freon 113	126
1,1-Dichloroethene	118
Acetone	116
2-Propanol	117
Carbon Disulfide	125
Methylene Chloride	98
Methyl tert-butyl ether	92
trans-1,2-Dichloroethene	100
Hexane	100
1,1-Dichloroethane	101
2-Butanone (Methyl Ethyl Ketone)	95
cis-1,2-Dichloroethene	99
Tetrahydrofuran	113
Chloroform	105
1,1,1-Trichloroethane	105
Cyclohexane	99
Carbon Tetrachloride	107
Benzene	100
1,2-Dichloroethane	103
Heptane	101
1,2-Dichloropropane	101
1,4-Dioxane	104
Bromodichloromethane	109
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	105
Toluene	102
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	104
Tetrachloroethene	103
2-Hexanone	103
Dibromochloromethane	109



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804059-06A

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

File Name:	g040802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 09:27 AM

Compound	%Recovery
1,2-Dibromoethane (EDB)	109
Chlorobenzene	102
Ethyl Benzene	100
m,p-Xylene	103
o-Xylene	104
Styrene	106
Bromoform	114
Cumene	102
1,1,2,2-Tetrachloroethane	104
Propylbenzene	104
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	119 E
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	104
Hexachlorobutadiene	106

E = Exceeds instrument calibration range.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804059-06B

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

File Name:	g040802sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 09:27 AM

Compound	%Recovery
Trichloroethene	97
Vinyl Chloride	102

Container Type: NA - Not Applicable

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804059-07A

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

File Name:	g040803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 09:56 AM

Compound	%Recovery
Freon 12	92
Freon 114	92
Chloromethane	89
1,3-Butadiene	83
Bromomethane	96
Chloroethane	92
Freon 11	102
Ethanol	88
Freon 113	113
1,1-Dichloroethene	117
Acetone	110
2-Propanol	103
Carbon Disulfide	111
Methylene Chloride	91
Methyl tert-butyl ether	80
trans-1,2-Dichloroethene	90
Hexane	91
1,1-Dichloroethane	93
2-Butanone (Methyl Ethyl Ketone)	84
cis-1,2-Dichloroethene	90
Tetrahydrofuran	98
Chloroform	94
1,1,1-Trichloroethane	96
Cyclohexane	90
Carbon Tetrachloride	95
Benzene	91
1,2-Dichloroethane	94
Heptane	92
1,2-Dichloropropane	89
1,4-Dioxane	86
Bromodichloromethane	97
cis-1,3-Dichloropropene	94
4-Methyl-2-pentanone	94
Toluene	96
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	98
Tetrachloroethene	95
2-Hexanone	91
Dibromochloromethane	101



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804059-07A

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

File Name:	g040803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 09:56 AM

Compound	%Recovery
1,2-Dibromoethane (EDB)	99
Chlorobenzene	95
Ethyl Benzene	93
m,p-Xylene	92
o-Xylene	96
Styrene	94
Bromoform	105
Cumene	98
1,1,2,2-Tetrachloroethane	96
Propylbenzene	95
4-Ethyltoluene	94
1,3,5-Trimethylbenzene	95
1,2,4-Trimethylbenzene	94
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	104
Hexachlorobutadiene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804059-07B

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

File Name:	g040803sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/8/08 09:56 AM

Compound	%Recovery
Trichloroethene	89
Vinyl Chloride	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130



ACCUTEST®

CHAIN OF CUSTODY
 Fresh Ponds Corporate Village, Building B
 2235 Route 130, Dayton, NJ 08810
 908-329-0200 FAX: 908-329-3499/3480

0804059

Client Information		Facility Information		Analytical Information	
Accutest Name: 2235 Route 130 Address: Dayton NJ 08810 City: Matt Cordova State: NJ Zip: 08810 Phone #: (732) 329-0200 X-214 Fax #: (732) 329-3499		Project Name: ExxonMobil Westchester Co Airport Location: Project No.: J87055X FAX #: (732) 329-3499		Accutest Job #: Accutest Quote #: Analytical Information:	
Field ID / Point of Collection		Collection		Preservation	
Field ID	Date	Time	Sampled By	Matrix	Other
J87055-2	3/28/08			Other	
-4	3/28/08			Other	
-5	3/28/08			Other	
-6	3/28/08			Other	
-					
-					
-					
-					
-					
Turnaround Information		Data Deliverable Information		Comments / Remarks	
<input type="checkbox"/> 21 Day Standard <input type="checkbox"/> 14 Day <input type="checkbox"/> 7 Days EMERGENCY <input checked="" type="checkbox"/> Other STD (Days) 21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.	<input type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> FULL CLP <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other (Specify)	<input checked="" type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> State Forms	Contact Anne Proctor of Woodard and Curran for reporting limit requirements 203-271-0379 Also returning 2 flow controllers and 1 pressure gauge. AS		
Relinquished By Sampler: 1 Relinquished By Sampler: 3 Relinquished By Sampler: 5		Date Time: 4/1/08 1700 Date Time: 4/1/08 1700 Date Time: 4/1/08 1700		Date Time: 2 Date Time: 4 Date Time: 4	
Sample Custody must be documented below each time samples change possession, including courier delivery.		Relinquished By: 2 Relinquished By: 3 Relinquished By: 5		Relinquished By: 2 Relinquished By: 4 Relinquished By: 4	
Date Time: 4/1/08 1700 Date Time: 4/1/08 1700 Date Time: 4/1/08 1700		Date Time: 2 Date Time: 4 Date Time: 4		Date Time: 2 Date Time: 4 Date Time: 4	
Relinquished By Sampler: 1 Relinquished By Sampler: 3 Relinquished By Sampler: 5		Date Time: 4/1/08 1700 Date Time: 4/1/08 1700 Date Time: 4/1/08 1700		Date Time: 2 Date Time: 4 Date Time: 4	

CHAIN OF CUSTODY SEAL INTACT
 YES NONE TEMP NA

A



CHAIN OF CUSTODY

Air Sampling Field Data Sheet

PAGE 1 OF 1

Company Name Woodard & Curran Address 1520 Highland Avenue City Chicago State IL Zip 60614 Project Contact Anne Proctor Phone # 312-714-0379 Fax # 312-714-0379 Sample(s) Name(s) John Starns (GES)		Project Name EconMobi Westchester County Airport Street 240 Airport Road City White Plains State NY Project # 1161379 Client Purchase Order # 409403274		Weather Parameters Temperature (Fahrenheit) Start 46° Stop 41° Atmospheric Pressure (Inches of Hg) Start 29.70 " Hg Stop 29.94 " Hg Other weather comments:		Requested Analysis Standard TO-15 Reporting List TO-15 H-L-a Full List	
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Lab Sample #	Field ID / Point of Collection	Sampling Equipment Info			Start Sampling Information			Stop Sampling Information			Standard TO-15 Reporting List
		Air Type	Indoor? (Soil Vapor)	Canister Serial #	Canister Size (L or TL)	Flow Controller Serial #	Time (24hr clock)	Canister Pressure (Psi)	Interior Temp (F)	Sampler Init.	
-1	SSV-1 (Soil Vapor)	SV	A219	FC195	6L	FC195	12:25	-30		JS	X
-2	SSV-1 (Indoor Air)	I	90350	FC295	6L	FC295	12:30	-30		JS	X
-3	SSV-2 (Soil Vapor)	SV	A294	FC212	6L	FC212	12:55	-30		JS	X
-4	SSV-2A (Indoor Air-Lounge)	I	A669	FC200	6L	FC200	13:00	-15		JS	X
-5	SSV-2B (Indoor Air-Rec.)	I	5570	FC789	6L	FC789	13:04	-28		JS	X
-6	SSV-2B (Ind. Air-Lounge Dup.)	I	A748	FC203	6L	FC203	13:07	-30		JS	X

*** Indoor Air-SSV-1 and Indoor Air-SSV-2A&B (Lounge, Reception & Lounge Dup.) are to be analyzed by Air Toxics In California as per Matt Cordova*** (TO-15 H-L-a Full List)

Standard - 15 Days 10 Day 5 Day 3 Day 2 Day 1 Day Other		Turnaround Time (Business days) X		Approved By:		Date Deliverable Information All NJDEP TO-15 is mandatory Full T1 Cont A Cont B Reduced T2 Full T1 Other:		Comments / Remarks Bill for Econ Mobi Manager Mike Lamer 401-434-7358	
---	--	--------------------------------------	--	--------------	--	---	--	--	--

Sample Custody must be documented below each time sample change possession, including carrier delivery.		Date Time 3/28/08 23:00		Received By: 2. Kefidanchu	
Date Time 3/28/08 23:00		Received By: 3. Kefidanchu		Date Time 3/31/08 1400	
Date Time 3/31/08 1400		Received By: 4. Kefidanchu		Date Time 3/31/08 1400	

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0804202

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 #	J87055X ExxonMobil Westchester Co
DATE RECEIVED:	04/08/2008	CONTACT:	Airport Bryanna Langley
DATE COMPLETED:	04/21/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	J87055X-1	Modified TO-15	4.5 "Hg	5.0 psi
01B	J87055X-1	Modified TO-15	4.5 "Hg	5.0 psi
02A	J87055X-3	Modified TO-15	4.5 "Hg	5.0 psi
02B	J87055X-3	Modified TO-15	4.5 "Hg	5.0 psi
03A	Lab Blank	Modified TO-15	NA	NA
03B	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
04B	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA
05B	LCS	Modified TO-15	NA	NA

CERTIFIED BY:

Laboratory Director

DATE: 04/21/08

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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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# 0804202

Two Client Canister samples were received on April 08, 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	$\leq 30\%$ 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 $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	For Full Scan: $\leq 30\%$ Difference with four allowed out up to $\leq 40\%$.; flag and narrate outliers For SIM: Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$.; 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

Samples J87055X-1 and J87055X-3 were collected in client provided canisters. Media cleanliness and certification information should be obtained by the data user separate from this report.

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.

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J87055X-1

Lab ID#: 0804202-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.29	0.78	1.4
Chloromethane	0.16	0.49	0.33	1.0
Freon 11	0.16	0.28	0.89	1.6
Ethanol	0.79	3200 E	1.5	6100 E
Acetone	0.79	120 E	1.9	280 E
2-Propanol	0.79	490 E	1.9	1200 E
Methyl tert-butyl ether	0.16	0.20	0.57	0.72
Hexane	0.16	0.47	0.56	1.7
2-Butanone (Methyl Ethyl Ketone)	0.16	9.7	0.46	28
Tetrahydrofuran	0.79	1.8	2.3	5.3
Cyclohexane	0.16	0.40	0.54	1.4
Benzene	0.16	0.53	0.50	1.7
Heptane	0.16	0.53	0.65	2.2
4-Methyl-2-pentanone	0.16	0.24	0.65	0.96
Toluene	0.16	2.0	0.60	7.4
Tetrachloroethene	0.16	0.19	1.1	1.3
Ethyl Benzene	0.16	0.54	0.69	2.3
m,p-Xylene	0.16	1.3	0.69	5.7
o-Xylene	0.16	0.74	0.69	3.2
Styrene	0.16	0.56	0.67	2.4
Propylbenzene	0.16	0.37	0.78	1.8
4-Ethyltoluene	0.16	1.4	0.78	7.1
1,3,5-Trimethylbenzene	0.16	0.48	0.78	2.4
1,2,4-Trimethylbenzene	0.16	1.8	0.78	8.9
1,3-Dichlorobenzene	0.16	10	0.95	61

Client Sample ID: J87055X-1

Lab ID#: 0804202-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.032	2.9	0.17	15
Vinyl Chloride	0.016	0.015 J	0.040	0.039 J

Client Sample ID: J87055X-3

Lab ID#: 0804202-02A



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: J87055X-3

Lab ID#: 0804202-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.25	0.78	1.2
Chloromethane	0.16	1.6	0.33	3.3
Freon 11	0.16	0.47	0.89	2.6
Ethanol	0.79	1300 E	1.5	2400 E
Acetone	0.79	65 E	1.9	150 E
2-Propanol	0.79	280 E	1.9	700 E
Methyl tert-butyl ether	0.16	0.16	0.57	0.58
Hexane	0.16	8.4	0.56	30
2-Butanone (Methyl Ethyl Ketone)	0.16	11	0.46	32
Tetrahydrofuran	0.79	2.1	2.3	6.3
Cyclohexane	0.16	0.31	0.54	1.0
Benzene	0.16	0.50	0.50	1.6
Heptane	0.16	0.67	0.65	2.7
4-Methyl-2-pentanone	0.16	0.69	0.65	2.8
Toluene	0.16	1.7	0.60	6.5
Tetrachloroethene	0.16	0.57	1.1	3.9
Ethyl Benzene	0.16	0.43	0.69	1.9
m,p-Xylene	0.16	1.2	0.69	5.3
o-Xylene	0.16	0.67	0.69	2.9
Styrene	0.16	0.49	0.67	2.1
Propylbenzene	0.16	0.34	0.78	1.7
4-Ethyltoluene	0.16	1.4	0.78	6.7
1,3,5-Trimethylbenzene	0.16	0.47	0.78	2.3
1,2,4-Trimethylbenzene	0.16	1.8	0.78	8.6
1,3-Dichlorobenzene	0.16	10	0.95	64

Client Sample ID: J87055X-3

Lab ID#: 0804202-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.032	5.2	0.17	28



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-1

Lab ID#: 0804202-01A

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

File Name:	s041724	Date of Collection:	3/28/08	
Dil. Factor:	1.58	Date of Analysis:	4/18/08 03:23 AM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.29	0.78	1.4
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.49	0.33	1.0
1,3-Butadiene	0.16	Not Detected	0.35	Not Detected
Bromomethane	0.16	Not Detected	0.61	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.28	0.89	1.6
Ethanol	0.79	3200 E	1.5	6100 E
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	120 E	1.9	280 E
2-Propanol	0.79	490 E	1.9	1200 E
Carbon Disulfide	0.79	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	0.20	0.57	0.72
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Hexane	0.16	0.47	0.56	1.7
1,1-Dichloroethane	0.16	Not Detected	0.64	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	9.7	0.46	28
cis-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Tetrahydrofuran	0.79	1.8	2.3	5.3
Chloroform	0.16	Not Detected	0.77	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Cyclohexane	0.16	0.40	0.54	1.4
Carbon Tetrachloride	0.16	Not Detected	0.99	Not Detected
Benzene	0.16	0.53	0.50	1.7
1,2-Dichloroethane	0.16	Not Detected	0.64	Not Detected
Heptane	0.16	0.53	0.65	2.2
1,2-Dichloropropane	0.16	Not Detected	0.73	Not Detected
1,4-Dioxane	0.16	Not Detected	0.57	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.72	Not Detected
4-Methyl-2-pentanone	0.16	0.24	0.65	0.96
Toluene	0.16	2.0	0.60	7.4
trans-1,3-Dichloropropene	0.16	Not Detected	0.72	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Tetrachloroethene	0.16	0.19	1.1	1.3
2-Hexanone	0.79	Not Detected	3.2	Not Detected
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-1

Lab ID#: 0804202-01A

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

File Name:	s041724	Date of Collection:	3/28/08
Dil. Factor:	1.58	Date of Analysis:	4/18/08 03:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.73	Not Detected
Ethyl Benzene	0.16	0.54	0.69	2.3
m,p-Xylene	0.16	1.3	0.69	5.7
o-Xylene	0.16	0.74	0.69	3.2
Styrene	0.16	0.56	0.67	2.4
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	0.37	0.78	1.8
4-Ethyltoluene	0.16	1.4	0.78	7.1
1,3,5-Trimethylbenzene	0.16	0.48	0.78	2.4
1,2,4-Trimethylbenzene	0.16	1.8	0.78	8.9
1,3-Dichlorobenzene	0.16	10	0.95	61
1,4-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.82	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
1,2,4-Trichlorobenzene	0.79	Not Detected U J	5.9	Not Detected U J
Hexachlorobutadiene	0.79	Not Detected	8.4	Not Detected

E = Exceeds instrument calibration range.

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

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	112	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-1

Lab ID#: 0804202-01B

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

File Name:	s041724sim	Date of Collection:	3/28/08
Dil. Factor:	1.58	Date of Analysis:	4/18/08 03:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.032	2.9	0.17	15
Vinyl Chloride	0.016	0.015 J	0.040	0.039 J

J = Estimated value.

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	0-130
Toluene-d8	97	0-130
4-Bromofluorobenzene	110	0-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-3

Lab ID#: 0804202-02A

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

MODIFIED EXTRACTION TO ISOMER-SPECIFIC ANALYSIS				
File Name:	s041725	Date of Collection: 3/28/08		
Dil. Factor:	1.58	Date of Analysis: 4/18/08 04:10 AM		
Compound	Rot. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.25	0.78	1.2
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	1.6	0.33	3.3
1,3-Butadiene	0.16	Not Detected	0.35	Not Detected
Bromomethane	0.16	Not Detected	0.61	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.47	0.89	2.6
Ethanol	0.79	1300 E	1.5	2400 E
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	65 E	1.9	150 E
2-Propanol	0.79	280 E	1.9	700 E
Carbon Disulfide	0.79	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	0.16	0.57	0.58
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Hexane	0.16	8.4	0.56	30
1,1-Dichloroethane	0.16	Not Detected	0.64	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.16	11	0.46	32
cis-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Tetrahydrofuran	0.79	2.1	2.3	6.3
Chloroform	0.16	Not Detected	0.77	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Cyclohexane	0.16	0.31	0.54	1.0
Carbon Tetrachloride	0.16	Not Detected	0.99	Not Detected
Benzene	0.16	0.50	0.50	1.6
1,2-Dichloroethane	0.16	Not Detected	0.64	Not Detected
Heptane	0.16	0.67	0.65	2.7
1,2-Dichloropropane	0.16	Not Detected	0.73	Not Detected
1,4-Dioxane	0.16	Not Detected	0.57	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.72	Not Detected
4-Methyl-2-pentanone	0.16	0.69	0.65	2.8
Toluene	0.16	1.7	0.60	6.5
trans-1,3-Dichloropropene	0.16	Not Detected	0.72	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Tetrachloroethene	0.16	0.57	1.1	3.9
2-Hexanone	0.79	Not Detected	3.2	Not Detected
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-3

Lab ID#: 0804202-02A

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

File Name:	s041725	Date of Collection:	3/28/08
Dil. Factor:	1.58	Date of Analysis:	4/18/08 04:10 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.73	Not Detected
Ethyl Benzene	0.16	0.43	0.69	1.9
m,p-Xylene	0.16	1.2	0.69	5.3
o-Xylene	0.16	0.67	0.69	2.9
Styrene	0.16	0.49	0.67	2.1
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	0.34	0.78	1.7
4-Ethyltoluene	0.16	1.4	0.78	6.7
1,3,5-Trimethylbenzene	0.16	0.47	0.78	2.3
1,2,4-Trimethylbenzene	0.16	1.8	0.78	8.6
1,3-Dichlorobenzene	0.16	10	0.95	64
1,4-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.82	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
1,2,4-Trichlorobenzene	0.79	Not Detected U J	5.9	Not Detected U J
Hexachlorobutadiene	0.79	Not Detected	8.4	Not Detected

E = Exceeds instrument calibration range.

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

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	119	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: J87055X-3

Lab ID#: 0804202-02B

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

File Name:	s041725sim	Date of Collection:	3/28/08
Dil. Factor:	1.58	Date of Analysis:	4/18/08 04:10 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Trichloroethene	0.032	5.2	0.17	28
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected

Container Type: Client Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	0-130
Toluene-d8	96	0-130
4-Bromofluorobenzene	117	0-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804202-03A

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

File Name:	s041706	Date of Collection:	NA	
Dil. Factor:	1.00	Date of Analysis:	4/17/08 02:33 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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804202-03A

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

File Name:	s041706	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 02:33 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 U J	3.7	Not Detected U J
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	109	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804202-03B

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

File Name:	s041706sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 02:33 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	98	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804202-04A

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

File Name:	s041702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 11:34 AM

Compound	%Recovery
Freon 12	108
Freon 114	100
Chloromethane	102
1,3-Butadiene	106
Bromomethane	117
Chloroethane	103
Freon 11	102
Ethanol	103
Freon 113	100
1,1-Dichloroethene	100
Acetone	100
2-Propanol	96
Carbon Disulfide	101
Methylene Chloride	100
Methyl tert-butyl ether	96
trans-1,2-Dichloroethene	100
Hexane	104
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	95
cis-1,2-Dichloroethene	100
Tetrahydrofuran	103
Chloroform	100
1,1,1-Trichloroethane	100
Cyclohexane	102
Carbon Tetrachloride	99
Benzene	101
1,2-Dichloroethane	104
Heptane	108
1,2-Dichloropropane	103
1,4-Dioxane	102
Bromodichloromethane	105
cis-1,3-Dichloropropene	106
4-Methyl-2-pentanone	108
Toluene	102
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	105
Tetrachloroethene	105
2-Hexanone	105
Dibromochloromethane	117



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804202-04A

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

File Name:	s041702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 11:34 AM

Compound	%Recovery
1,2-Dibromoethane (EDB)	111
Chlorobenzene	105
Ethyl Benzene	104
m,p-Xylene	105
o-Xylene	106
Styrene	108
Bromoform	116
Cumene	108
1,1,2,2-Tetrachloroethane	98
Propylbenzene	112
4-Ethyltoluene	106
1,3,5-Trimethylbenzene	106
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	91
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	86
1,2,4-Trichlorobenzene	62 Q
Hexachlorobutadiene	74

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804202-04B

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

File Name:	s041702sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 11:34 AM

Compound	%Recovery
Trichloroethene	98
Vinyl Chloride	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804202-05A

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

File Name:	s041703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 12:05 PM

Compound	%Recovery
Freon 12	108
Freon 114	101
Chloromethane	100
1,3-Butadiene	102
Bromomethane	116
Chloroethane	100
Freon 11	97
Ethanol	131
Freon 113	113
1,1-Dichloroethene	115
Acetone	115
2-Propanol	109
Carbon Disulfide	103
Methylene Chloride	108
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	102
Hexane	104
1,1-Dichloroethane	107
2-Butanone (Methyl Ethyl Ketone)	103
cis-1,2-Dichloroethene	102
Tetrahydrofuran	108
Chloroform	102
1,1,1-Trichloroethane	101
Cyclohexane	99
Carbon Tetrachloride	101
Benzene	100
1,2-Dichloroethane	107
Heptane	108
1,2-Dichloropropane	103
1,4-Dioxane	106
Bromodichloromethane	109
cis-1,3-Dichloropropene	104
4-Methyl-2-pentanone	125
Toluene	106
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	100
Tetrachloroethene	101
2-Hexanone	107
Dibromochloromethane	114



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804202-05A

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

File Name:	s041703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 12:05 PM

Compound	%Recovery
1,2-Dibromoethane (EDB)	102
Chlorobenzene	100
Ethyl Benzene	98
m,p-Xylene	100
o-Xylene	102
Styrene	105
Bromoform	116
Cumene	108
1,1,2,2-Tetrachloroethane	104
Propylbenzene	114
4-Ethyltoluene	105
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	105
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	104
Hexachlorobutadiene	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804202-05B

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

File Name:	s041703sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/17/08 12:05 PM

Compound	%Recovery
Trichloroethene	100
Vinyl Chloride	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130



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Y. N. NO. 15 TEMP 100

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