



Infrastructure, environment, facilities

ARCADIS of New York, Inc.
465 New Karner Road
First Floor
Albany
New York 12205
Tel 518 452 7826
Fax 518 452 4398
www.arcadis-us.com

Transmittal Letter

To:
Larry Rosenmann
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Hazardous Waste and Radiation Management, 9th Floor
625 Broadway
Albany, New York 12233-7258

Copies:
Greg Rys, NYSDOH
Chris Motta, ARCADIS
Tom Blackman, LMC
MariKay Fish, AIGDC
Jim Zigmont, CDM
William Wheatley, ConMed Corp.

ENVIRONMENT

From:
Jeffrey Bonsteel

Date:
29 February 2008

Subject:
Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area

ARCADIS Project No.
NJ000622.0001

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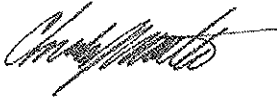
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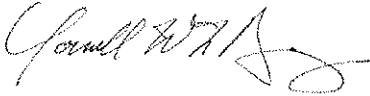
**Addendum to the Vapor Intrusion
Study Report for the Solvent Dock
Area**

Former Lockheed Martin French Road Facility
February 2008

ARCADIS



Christopher J. Motta, C.P.G.
Project Manager



Lowell W. McBurney, P.E.
Principal in Charge

**Addendum to the Vapor
Intrusion Study Report for the
Solvent Dock Area**

French Road Facility
Utica, New York

Prepared for:
Lockheed Martin Corporation

Prepared by:
ARCADIS
482 Congress Street
Suite 501
Portland
Maine 04101
Tel 207.828.0046
Fax 207.828.0062

Our reference:
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1. Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this report addendum (Addendum) to the *Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS, 10 August 2007) to present the results of two supplemental subslab soil gas and indoor air sampling events conducted on November 14 and 15, 2007 at the former French Road Facility Solvent Dock Area (herein the "Site") located in Utica, New York (Figure 1). The first event which was recommended in the *Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS 2007a) was conducted on 2 October 2007. This sampling was conducted to confirm the results of previous subslab sampling and complement the pilot test of the proposed mitigation system (i.e., vapor depressurization system) in the ConMed facility building. ARCADIS' intention to conduct the second sampling event was transmitted to the New York State Department of Environmental Conservation (NYSDEC) in an 18 October 2007 letter (ARCADIS 2007b). As outlined in the 18 October 2007 letter, additional sampling was necessary to (i) confirm previous results; (ii) better understand subsurface and background conditions; (iii) further define areas in the building that should be subject to depressurization as part of the planned interim corrective measure for the Site and (iv) investigate the quality of soil gas near the northern property boundary. Subslab soil gas and indoor air samples were also collected from three buildings north of the facility to investigate the quality of soil gas near the northern property boundary.

This Addendum focuses on the site reconnaissance conducted at the ConMed facility and the northern buildings, the sampling methodology, the sample results, and an evaluation of the results compared to the New York State Department of Health (NYSDOH) decision matrices. A summary of previous vapor intrusion sampling is provided below for reference, although the results from these sampling events are not included in this Addendum.

2. Previous Vapor Intrusion Sampling

In February 2006, EarthTech collected ten subslab soil gas and indoor air samples and one ambient air sample at the ConMed facility. Sample locations, except ambient air, are shown on Figure 2. The ambient air sample was located outside of the northwest corner of the building approximately 750 feet west of the Solvent Dock Area. The sample results showed that both trichloroethene (TCE) and tetrachloroethene (PCE) were detected in subslab soil gas and indoor air at concentrations greater than NYSDOH air guidelines at some locations. Based on the results of the initial sampling event and in response to the presence (and perhaps use) of TCE in the building,

EarthTech conducted a second sampling event at two locations (I1 and I4) in March 2006 (EarthTech 2006). The results of the re-sampling event detected similar concentrations of TCE at sample location I1 and a slightly lower concentration of TCE at sample location I4. Sample results were submitted to the NYSDEC in a letter report dated April 17, 2006 (EarthTech 2006).

In April 2007, ARCADIS collected eight co-located subslab soil gas and indoor air samples in the eastern portion of the building (Figure 2). All samples were collected as proposed in the *Supplemental Vapor Intrusion Study, Work Plan for Interim Corrective Measures* (ARCADIS 2007c), with the exception of a subslab soil gas sample at location VP-6SD. At location VP-6SD, the thickness of the slab (greater than 16 inches) prevented the collection of any subslab soil gas sample. As a result, only an indoor air sample was collected from this location.

As presented in the Study Work Plan, the subslab soil gas samples were initially submitted to the laboratory and analyzed. The indoor air samples were placed on hold pending receipt and review of the subslab soil gas sample results. A discussion of the subslab sampling results was held with the NYSDEC and NYSDOH on 24 April 2007. During the conference call, it was decided that analysis of five indoor air samples (i.e., AA-2SD, AA-3SD, AA-4SD, AA-6SD, and AA-8SD) would be appropriate for the study.

The *Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS 2007a) presented the results of the ARCADIS and EarthTech sampling events. Based on these results ARCADIS (2007a) recommended (i) resampling subslab soil gas locations S1 and S2 and (ii) installation of a vapor depressurization system (as initially proposed in the *Work Plan for the Interim Corrective Measure* (ARCADIS 2006)). Upon further review and discussion with NYSDEC, ARCADIS submitted an additional letter work plan on 18 October 2007 for a comprehensive second round of subslab soil gas and indoor air sampling (ARCADIS 2007b).

3. Site Reconnaissance and Building Conditions

A site reconnaissance was conducted by ARCADIS as part of both supplemental sampling events. A completed NYSDOH indoor air survey form is attached in Appendix A. As noted in the survey, several chemicals are present and used throughout the building. Many of the chemicals identified during the reconnaissance are identical to constituents previously detected in indoor air (i.e., TCE) or constituents currently detected in subslab soil gas (i.e., 1,2,4-trimethylbenzene).

In addition to the ConMed main building, the site reconnaissance also included three smaller buildings located north of the main facility. These buildings (i.e., Guard House, Pole Barn, and Maintenance Garage) were inspected to evaluate building conditions and identify potential background sources. A brief summary of each of these buildings is provided below and in Appendix A. The locations of these buildings are shown on Figure 3. A detailed description of conditions in the main building is not included in this Addendum as conditions have not changed from what was presented in previous reports.

3.1 Guard House

The guard house is located adjacent to the Groundwater Collection and Treatment System shed at the northeast end of the Site. The south entryway leads to a main room, with a built-in desk, reminiscent of a former control room. To the west is a hallway that leads past a few smaller rooms into a larger room with a garage door that opens on the western end of the building. There is some equipment and furniture stored in each of the rooms; however, no chemicals were currently stored in the building.

3.2 Pole Barn

The pole barn is located to the north of the main building and consists of a single large room with high ceilings and a garage door on the southern side. At the eastern end of the building, a chain link fence is present inside and along the width of the building (approximately 15 feet from the eastern wall). Inside this fenced area is an array of drums, cans, buckets, and other items with chemical contents. Details of the chemical inventory for this area can be found in Appendix A. The remainder of the building stores patio furniture (tables, chairs, and umbrellas), corrugated black pipe (6" diameter), and an array of drums, compressed gas, and buckets containing stored chemicals (see Appendix A).

3.3 Maintenance Garage

The maintenance garage, also located north of the main ConMed facility, is comprised of four different rooms: the maintenance shop, the maintenance stock room, and two storage rooms. Garage doors open at the southern end of the building to the maintenance shop. Some chemicals were observed in this area of the maintenance garage (Appendix A). The maintenance stock room has a hallway that runs east to west, with storage shelves on the north side of the hallway, and a storage room, where

tables are stored, on the southern side of the hallway. A garage door in the stock room opens on the southern side of the building. No chemicals were observed in the stock room or either storage room.

4. Sampling Approach

The 2 October 2007 and 14 and 15 November 2007 sampling events conducted by ARCADIS were implemented in general accordance with the methods described in the *Vapor Intrusion Work Plan - Revised* (Lockheed Martin 2005). Exceptions to the methods include collecting all samples over a 24 hour period, and co-locating indoor air samples with subslab soil gas samples at historical locations that were not previously co-located.

The scope of work for the 14 and 15 November 2007 sampling event was conducted consistent with the 18 October 2007 letter (ARCADIS 2007b) submitted to NYSDEC. Although not specifically noted in the 18 October 2007 letter, previous work plans (Lockheed Martin 2005), or the NYSDOH guidance, a helium tracer test was conducted at all sample points during the 2 October 2007 sampling event and at a subset of samples during the 14 and 15 November 2007 sampling event prior to sample collection as a conservative quality assurance method. These helium tests indicated that each of the tested soil gas probes was of sound construction and that ambient air (i.e. indoor air) was not affecting the subslab soil gas samples. The sampling locations are shown on Figure 3. Sampling logs are provided in Appendix B.

5. Results and Findings

In this section, the results of the subslab soil gas and indoor air sampling conducted by ARCADIS in October and November 2007, are presented and evaluated according to the criteria set forth in the *Final – Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (herein "Final Guidance"). The results of the November 2007 subslab soil gas and indoor air sampling are presented in Table 1 and Table 2, respectively. Four subslab samples collected in October 2007 are also included in Table 1. Table 3 presents a summary of the data including the frequency of detection and minimum and maximum detected concentrations for each constituent. Complete analytical results from both sampling events are provided in Appendix C.

5.1 Evaluation of Subslab Soil Gas and Indoor Air Results

Consistent with the Final Guidance, subslab soil gas and indoor air data from the October 2007 and November 2007 sampling events were evaluated using the following steps.

- First, concentrations detected in indoor air were compared to applicable NYSDOH air guideline values provided in the Final Guidance.
- Second, concentrations detected in indoor air were compared to generic background concentrations referenced by the NYSDOH in the Final Guidance.
- Third, the subslab soil gas and indoor air data were evaluated using the matrices provided in the Final Guidance.

Each of the evaluation steps is described below.

5.1.1 Comparison to Air Guideline Values

The constituents detected in indoor air were evaluated through a comparison to air guideline values. As developed by the NYSDOH, concentrations in indoor air greater than the air guidelines values may need to be addressed if the source of these exceedances is from the subsurface (i.e., groundwater or soil gas). The air guideline values were not designed to address current work place exposures associated with active manufacturing processes for which the Occupational Safety and Health Administration (OSHA) has established permissible exposure limits.

The Final Guidance presents guideline values for three volatile organic compounds (VOCs); methylene chloride, TCE, and PCE. Table 4 presents the comparison of constituents in indoor air to the air guideline values. Methylene chloride was detected in indoor air at concentrations greater than its air guideline value (60 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)) in 14 samples. In all but four paired samples, methylene chloride was detected at a higher concentration in indoor air compared to subslab soil gas, indicating a potential indoor source. As noted in the product inventory (Appendix A) methylene chloride is stored in the facility.

TCE was detected in indoor air at concentrations greater than its air guideline value ($5 \mu\text{g}/\text{m}^3$) during the November 2007 sampling event in two samples (AA-9SD and AA-13SD). At AA-9SD, TCE was detected at higher concentrations in indoor air compared

to the subslab soil gas sample, indicating contribution of an indoor source unrelated to soil gas. As noted in the product inventory (Appendix A), TCE is stored in the facility. At AA-13SD, a subslab soil gas sample could not be collected as water was encountered directly below the slab. At all other locations, TCE was generally detected at higher concentrations in subslab soil gas indicating a potential contribution from a source beneath the building, possibly related to groundwater.

Although PCE was detected in 8 out of 19 indoor air samples, all concentrations were less than the air guideline value ($100 \mu\text{g}/\text{m}^3$).

5.1.2 Comparison to Background Concentrations

The constituents detected in indoor air were compared to the generic background indoor air concentrations reported by the U.S. Environmental Protection Agency (USEPA 2001) as part of the building assessment and survey evaluation (BASE) database. The BASE database includes indoor air results from approximately 100 commercial and public office buildings. As a result, these values are expected to significantly underestimate background concentrations at active manufacturing facilities where chemicals may be used as part of normal operations. However, because background data from such facilities is not currently available, the 90th percentile value from the BASE database (as recommended by the NYSDOH) was used for comparative purposes (Table 4).

A total of 15 constituents, including TCE and methylene chloride were detected at least once in indoor air samples at concentrations greater than background concentrations. However, as described in Section 5.1.1, NYSDOH air guideline values are available for TCE and methylene chloride and these values are used as the more appropriate criteria for comparison. The 13 constituents above background concentrations without air guidelines are as follows:

- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- 1,4-dichlorobenzene
- 4-ethyltoluene
- acetone
- benzene
- ethylbenzene
- freon 11

- hexane
- m&p-xylene
- o-xylene
- styrene
- toluene

Although these constituents were measured at concentrations greater than conservative background levels, they are not expected to cause unacceptable human health impacts at the levels currently measured inside the building. Indeed, the background concentrations used for the above comparisons indicate levels typically measured inside commercial buildings and are orders of magnitude lower than health-based concentrations used for occupational settings. Many of the constituents exceeding background concentrations were also noted as ingredients of products stored in the facility based on site reconnaissance; 1,2,4-trimethylbenzene, acetone, xylenes, methylene chloride, styrene, toluene, and TCE were specifically mentioned on product labels (Table 3, Appendix A).

5.1.3 Evaluation of Data Using NYSDOH Matrices

The final step in the data evaluation was to compare the subslab soil gas and indoor air results to the matrices presented in the Final Guidance (Table 5). The indoor air data were considered in conjunction with the subslab soil gas data although, as described in Section 3.2, TCE and other chemicals, including petroleum products and methylene chloride, were identified in the building. Background interferences influence the results and may change the matrix decision. Background sources that appear to influence the matrix results are specifically noted.

Matrix 1 is applicable to carbon tetrachloride and TCE. Matrix 2 is applicable to PCE and 1,1,1-trichloroethane (1,1,1-TCA). NYSDOH has recently indicated that vinyl chloride will also be applied to Matrix 1 and that 1,1-dichloroethene and cis-1,2,-dichloroethene will be applied to Matrix 2. Table 5 presents a comparison of indoor air and subslab soil gas results and the matrix recommended action. The matrices allow for five different options or actions:

- No further action
- Take reasonable and practical actions to identify source(s) and reduce exposures (i.e., concentration is likely associated with background)

- Monitor
- Monitor/mitigate
- Mitigate

As presented on Table 5, 22 subslab soil gas samples and 18 indoor air samples were collected from 18 locations as part of the October and November 2007 sampling rounds. Subslab soil gas and indoor air results were used together to generate recommended actions based on the NYSDOH decision matrices. The NYSDOH matrices recommend mitigation at two locations (AA-2SD/VP-2SD and AA-8SD/VP-8SD) based on TCE concentrations. At AA-9SD/VP-SD, the data indicate a background source is present because TCE indoor air concentrations are higher than TCE subslab soil gas concentrations. A number of products containing VOCs, including TCE, were noted during the site reconnaissance in the area of sample AA-9SD/VP-9SD (Appendix A). Sample AA-13SD is not included in the matrix decisions because only indoor air was collected and potential background sources were identified in the building (see Section 3.2). The NYSDOH matrices recommend monitoring at 13 locations based on concentrations of TCE, PCE, and 1,1,1-TCA. Figure 4 shows the results of the matrix comparisons for TCE, PCE, and 1,1,1-TCA. At all other locations, removal of background sources or no further action decision would be appropriate.

Figure 5 provides a comparison of matrix decisions from sampling conducted in February 2006, April 2007, October 2007, and November 2007. Data collected in February 2006 and April 2007 were considered in the first report (ARCADIS 2007a) and first set of matrix decisions. Data presented in this report from October and November 2007 are considered in the second round of matrix decisions presented in Figure 5. The subslab depressurization system IRM currently being designed for the Solvent Dock Area will consider the data from both sampling rounds.

6. Summary and Conclusions

Subslab soil gas sampling was conducted at two locations on 2 October 2007 as recommended in the *Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS 2007a) submitted to the NYSDEC on 10 August 2007. This sampling was conducted to confirm the results of previous subslab soil gas sampling. On 14 and 15 November 2007, additional subslab soil gas and indoor air sampling was conducted at

16 locations in the ConMed facility and three locations from buildings north of the facility¹. The sampling was necessary to (i) confirm previous results; (ii) better understand subslab soil gas and background conditions; (iii) further define areas in the building that should be subject to depressurization as part of the planned interim corrective measure for the ConMed facility; and (iv) investigate the quality of soil gas near the northern property boundary. The conclusions of these sampling events are presented below:

- Measured concentrations of TCE in subslab soil gas and indoor air warrant mitigation along the eastern side of the facility per the *Final – Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH 2006). Locations warranting mitigation based on the current data are presented in Figure 4. The vapor intrusion study has delineated subslab soil gas that warrants mitigation.
- Measured concentrations of TCE and methylene chloride in indoor air exceed the NYSDOH air guideline values. However, the concentrations detected in indoor air are less than available OSHA work place standards.
- Several constituents detected in indoor air do not appear to be related to subsurface conditions, but may be present due to background sources (this conclusion is supported by the observation of chemical storage and/or use in the facility). These conditions would not be mitigated by a subsurface depressurization system. If deemed necessary or appropriate by the owner, tenant, or regulatory agency, mitigation of background constituents in indoor air should be addressed separately from Lockheed Martin's obligations at the Solvent Dock Site.
- Current subslab soil gas and indoor air concentrations are lower than previous sampling results in some locations. Based on the new data, required actions at some sample locations have changed from mitigate to monitor.
- Lockheed Martin will seek the concurrence of the regulatory agencies to install the vapor depressurization system contemplated in the *Work Plan for the Interim Corrective Measure* (ARCADIS 2006) to mitigate the subslab soil gas impacts

¹ At one location (AA-13SD) only an indoor air sample was collected due to the presence of water beneath the building slab.

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beneath the eastern portion of the manufacturing building. Lockheed Martin will revise the *Work Plan for the Interim Corrective Measure* (ARCADIS 2006) and submit the revised plan to NYSDEC and NYSDOH for review. Upon agency approval, Lockheed Martin will install the full-scale vapor depressurization system.

- ARCADIS is evaluating soil gas quality along the northern perimeter of the main building. The evaluation will include an assessment of the potential for off-site migration of soil gas considering the hydrogeologic conditions and subsurface utilities in the area. The evaluation will be reported to NYSDEC and NYSDOH in the revised plan referenced above.

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Table 1. Concentrations of Volatile Organic Compounds in Subslab Soil Gas Collected in October and November 2007
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	Sample ID Lab ID Date Units	S1 100207 2 hour C0710003-001A 10/2/2007 (µg/m ³)	S1 100207 24 hour C0710003-003A 10/2/2007 (µg/m ³)	S1 111507 24 hour C0711025-005A 11/15/2007 (µg/m ³)	S2 100207 2 hour C0710003-002A 10/2/2007 (µg/m ³)	S2 100207 24 hour C0710003-004A 10/2/2007 (µg/m ³)
1,1,1-Trichloroethane		0.83 U	0.83 U	2.7	650	370
1,1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		3.1	0.6 U	7.6	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		25	22	8	29	49
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		12	7.1	7.7	24	34
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		0.92 U	0.92 U	110	0.92 U	0.92 U
1,4-Dichlorobenzene		1.6	2.6	28	0.92 U	1
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	2.5	2.2	2	2.2
4-Ethyltoluene		9.3	5.9	2.7	23	12
Acetone		95	0.72 U	420 D	88	76
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene		60	17	25	22	7.8 J
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.63	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		48	23	54	21	34
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		3.2	0.99	6.6	3.2	1.6
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	2.7	0.6 U	0.6 U
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		460	100	90	68	14
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		44	24	7.1	43	19
Freon 11		3.5	2.3	4	2.3	2
Freon 113		13	2.6	16	61	36
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		2.3	0.75 U	3.5	15	9.5
Heptane		820	220	64	130	22
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane		340	57	160	97	29
Isopropyl Alcohol		760	150	0.37 U	63	84
m&p-Xylene		140	50	18	150	45
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		17	6.7	45	0.9 U	0.9 U
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		56	70 J	210	17	29
o-Xylene		33	14	7.7	32	9.7 J
Propylene		0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene		7.8	9.5 J	7.4	5.9	8.1
Tetrachloroethene		630	120	210	3.3	3.8
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene		100	77000	140	70	43000
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		8.7	3.9	17	10	6.3
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 1. Concentrations of Volatile Organic Compounds in Subslab Soil Gas Collected in October and November 2007
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	Sample ID Lab ID Date Units	S2 111507 24 hour C0711025-007A 11/15/2007 (µg/m ³)	S3 111507 24 hour C0711025-009A 11/15/2007 (µg/m ³)	S4 111507 24 hour C0711025-022A 11/15/2007 (µg/m ³)	S5 111507 24 hour C0711025-021A 11/15/2007 (µg/m ³)	S6 111507 24 hour C0711025-019A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		560 D	310	4.7	18	1.8
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	3.1
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		10	9.2	10	7 J	8
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		11	9	6.7	6.5 J	9.9
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		64	110	66	67	74
1,4-Dichlorobenzene		43	38	30	20	26
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	0.71 U	0.81	0.71 U
4-Ethyltoluene		3.7	2	2.3	4.1	2.8
Acetone		85	39	490 D	210	130
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene		3.3	1.9	21	6.3	3.6
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		16	2	26	9.5	13
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.83 J	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		1.3	0.69 J	3.3	7.5	12
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	11
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		0.52 U	0.52 U	170	0.52 U	7.5
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		39	6.4	8.7	9	8.3
Freon 11		2.8	19	1.8	1.8	4.6
Freon 113		82	9	52	7.2	1 J
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		0.75 U	3900 D	3.4	3.3	180
Heptane		0.62 U	5	120	21	10
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane		0.54 U	4.4	850 D	59	13
Isopropyl Alcohol		130	55	0.37 U	46	87
m&p-Xylene		97	18	15	14	15
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		46	41	0.9 U	62	34
Methyl isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		50	6.6	370 D	120	16
o-Xylene		54	6.2	8.6	7.7	7.3
Propylene		0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene		16	6.5	6.1 J	5.6 J	11
Tetrachloroethene		29	200	4.1	12	65
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene		93	120	150	130	95
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		11	150	7.4	9	32
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
 J - Analyte detected at or below quantitation limits
 D - Detected at secondary dilution
 U - Not detected at the reporting limit
 µg/m³ - Micrograms per cubic meter

Table 1. Concentrations of Volatile Organic Compounds in Subslab Soil Gas Collected in October and November 2007
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	Sample ID Lab ID Date Units	S7 111507 24 hour C0711025-003A 11/15/2007 (µg/m ³)	S8 111507 24 hour C0711025-039A 11/15/2007 (µg/m ³)	S9 111507 24 hour C0711025-027A 11/15/2007 (µg/m ³)	S10 111507 24 hour C0711025-001A 11/15/2007 (µg/m ³)	VP-2SD 111507 24 hour C0711025-025A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		2.3	21	24	0.83 U	54
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	0.62 U	4.4	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	4.6
1,2,4-Trichlorobenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	10	6 J	7.3	8.4	8.2	
1,2-Dibromoethane	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	9.6	6.5 J	9	6.9	8	
1,3-Butadiene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	95	110	97	100	89	
1,4-Dichlorobenzene	35	34	23	34	24	
1,4-Dioxane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	0.47 J	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene	2.4	3.6	2	2.2	1.9	
Acetone	110	0.72 U	1100 D	180	110	
Allyl Chloride	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene	2.1	0.49 U	20	1.4	4.9	
Benzyl Chloride	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	1 U	1 U	1 U	0.95 J	1 U	
Bromoform	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	4.3	6.3	20	2.8	6	
Carbon Tetrachloride	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	0.4 U	0.4 U	1.1	0.4 U	0.4 U	0.4 U
Chloroform	39	12	4.4	49	2.7	
Chloromethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	0.6 U	0.6 U	0.6 U	8.2	1.8	
cis-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	5.5	0.52 U	85	0.52 U	0.52 U	0.52 U
Dibromochloromethane	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	8.4	9.1	7.1	7.8	7.4	
Freon 11	1.7	1.8	2.1	1.7	1.7	
Freon 113	4.4	23	18	1.8	8.3	
Freon 114	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12	3	0.75 U	3.6	2.8	3.5	
Heptane	11	7.9	40	8.8	9.6	
Hexachloro-1,3-butadiene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane	16	0.54 U	180	7.5	27	
Isopropyl Alcohol	110	0.37 U	0.37 U	0.37 U	120	
m&p-Xylene	19	16	17	18	13	
Methyl Butyl Ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	54	51	110	43	39	
Methyl Isobutyl Ketone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	43	68	190	19	72	
o-Xylene	7.7	8.9	7.4	7.2	6.6	
Propylene	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	7.8	6.1 J	6.9	7.4	5.6 J	
Tetrachloroethene	48	7.9	2.9	190	3.7	
Tetrahydrofuran	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	140	110	180	110	130	
trans-1,2-Dichloroethene	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	12	11	7.9	21	210	
Vinyl Acetate	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 1. Concentrations of Volatile Organic Compounds in Subslab Soil Gas Collected in October and November 2007
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	Sample ID Lab ID Date Units	VP-4SD 111507 24 hour C0711025-035A 11/15/2007 (µg/m ³)	VP-8SD 111507 24 hour C0711025-036A 11/15/2007 (µg/m ³)	VP-9SD 111507 24 hour C0711025-029A 11/15/2007 (µg/m ³)	VP-10SD 111507 24 hour C0711025-033A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		2.7	27	6.3	0.83 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		8	8.4	8.8	8.6
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		6.6	8.8	7.5	5.7
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		84	100	94	76
1,4-Dichlorobenzene		26	24	23	27
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene		1.9	2.2	2.1	1.9
Acetone		210	0.72 U	34	290 D
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U
Benzene		3.3	3.1	2.9	3.4
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		5.2	6	5.9	19
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		10	38	1.7	0.84
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	1.2	0.6 U
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		0.52 U	0.52 U	7.8	0.52 U
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		7.4	7.6	7.9	6
Freon 11		1.8	0.86 U	2.1	3.1
Freon 113		41	8.6	230	130
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		3.3	0.75 U	4.3	1.4
Heptane		18	0.62 U	10	0.62 U
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U
Hexane		31	0.54 U	13	19
Isopropyl Alcohol		110	0.37 U	24	660 D
m&p-Xylene		14	15	14	19
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		34	36	44	47
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		330 D	30	20	160 D
o-Xylene		6.4	7.1	6.9	5.1
Propylene		0.26 U	0.26 U	0.26 U	0.26 U
Styrene		5.6 J	5.6 J	5.2 J	9.6
Tetrachloroethene		4.1	17	4.9	2.3
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U
Toluene		110	100	110	77
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		6.3	310	8.1	6.3
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 1. Concentrations of Volatile Organic Compounds in Subslab Soil Gas Collected in October and November 2007
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	Sample ID	VP-11SD 111507 24 hour	VP-12SD 111507 24 hour	VP-14SD 111507 24 hour
	Lab ID Date Units	C0711025-030A 11/15/2007 (µg/m ³)	C0711025-012A 11/15/2007 (µg/m ³)	C0711025-017A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		19	1.8	3.9
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		5.8	6.5	10
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		6.1	7	8.7
1,3-Butadiene		0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		59	79	110
1,4-Dichlorobenzene		14	27	26
1,4-Dioxane		1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	3.2
4-Ethyltoluene		1.3	1.6	5.3
Acetone		92	47	32
Allyl Chloride		0.48 U	0.48 U	0.48 U
Benzene		1.7	10	10
Benzyl Chloride		0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U
Carbon Disulfide		2.2	19	3.3
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U
Chloroform		5	1	0.74
Chloromethane		0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		1.2	0.6 U	0.56 J
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U
Cyclohexane		2.6	18	6.3
Dibromochloromethane		1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U
Ethylbenzene		5.3	6.3	8.8
Freon 11		1.7	2.3	18
Freon 113		4.9	2.2	8.5
Freon 114		1.1 U	1.1 U	1.1 U
Freon 12		3.2	2.4	2.4
Heptane		6.5	24	9.2
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U
Hexane		8.1	47	18
Isopropyl Alcohol		0.37 U	0.37 U	0.37 U
m&p-Xylene		17	19 J	24
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		42	24	36
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U
Methylene Chloride		37	29	11
o-Xylene		4.3	5.9	6.6
Propylene		0.26 U	0.26 U	0.26 U
Styrene		7.2	8.5	5.6 J
Tetrachloroethene		7.4	2.7	3.2
Tetrahydrofuran		0.45 U	0.45 U	0.45 U
Toluene		74	110	200
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U
Trichloroethene		14	3.3	4
Vinyl Acetate		0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U

Notes:

- J - Analyte detected at or below quantitation limits
- D - Detected at secondary dilution
- U - Not detected at the reporting limit
- µg/m³ - Micrograms per cubic meter

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air and Ambient Air Collected in November 2007
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	Sample ID	AA-2SD 111507 24 hour	AA-4SD 111507 24 hour	AA-8SD 111507 24 hour	AA-9SD 111507 24 hour
	Lab ID Date Units	C0711025-024A 11/15/2007 (µg/m ³)	C0711025-034A 11/15/2007 (µg/m ³)	C0711025-037A 11/15/2007 (µg/m ³)	C0711025-028A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		0.83 U	0.83 U	0.78 J	0.83 U
1,1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		10	11	14	6.6
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		5.2	5.1	5.7	4
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene		4.6	5.9	54	4.3
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene		1.4	1.9	2.6	1
Acetone		37	210	620 D	80
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U
Benzene		0.49	0.42 J	0.58	0.42 J
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		0.47 U	0.47 U	0.44 J	0.47 U
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		0.74 U	0.55 J	0.84	0.74 U
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		19	1.9	1	23
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		1.4	0.62 J	0.79	1.1
Freon 11		1.9	1.6	1.9	1.8
Freon 113		1.2 U	1.2 U	1.3	1.2 U
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		3.7	3	2.8	3.3
Heptane		0.62 U	0.62 U	1	0.79
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U
Hexane		0.54 U	0.54 U	0.54 U	0.54 U
Isopropyl Alcohol		2300 D	2100 D	1700 D	2800 D
m&p-Xylene		2.9	1.4	2.2	1.8
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		0.9 U	0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		520 D	500 D	160	91
o-Xylene		1.5	0.75	0.75	1.3
Propylene		0.26 U	0.26 U	0.26 U	0.26 U
Styrene		8.7	2	1.4	12 J
Tetrachloroethene		1 U	1 U	1 U	1 U
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U
Toluene		3.9	3.2	4.3	3.8
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		1.6	0.82	1	9
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air and Ambient Air Collected in November 2007
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	Sample ID Lab ID Date Units	AA 10SD 111507 24 hour C0711025-032A 11/15/2007 (µg/m ³)	AA-11SD 111507 24 hour C0711025-031A 11/15/2007 (µg/m ³)	AA-12SD 111507 24 hour C0711025-014A 11/15/2007 (µg/m ³)	AA-13SD 111507 24 hour C0711025-016A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		6.9	9.8	1.8	3.2
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.78
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		2.8	3.6	0.75 U	1.9
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene		3.5	6.7	0.73 J	2.4
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene		1.3	1.7	0.75 U	0.55 J
Acetone		200	370 D	12	26
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U
Benzene		0.42 J	0.91	1.1	0.94
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		0.47 U	0.6	0.47 U	0.47 U
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		0.6 J	0.55 J	0.74 U	0.74
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	5.1
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		4.3	3.4	0.91	0.52 U
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		0.79	0.84	0.66 U	1.3
Freon 11		1.6	1.5	2	2
Freon 113		1.2 U	1.2 U	1.2 U	0.86 J
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		3	3.4	2.7	3.1
Heptane		0.62 U	0.62 U	0.79	0.92
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U
Hexane		0.54 U	0.54 U	2.1	1.5
Isopropyl Alcohol		2300 D	480 D	120	0.37 U
m&p-Xylene		1.2 J	2	0.84 J	3
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		0.9 U	0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		120	76	4.2	22
o-Xylene		0.62 J	0.66	0.66 U	0.97
Propylene		0.26 U	0.26 U	0.26 U	0.26 U
Styrene		3.6	3	0.65 U	0.65 U
Tetrachloroethene		1 U	1 U	1 U	1.5
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U
Toluene		2.5	5.6	1.4	4.3
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		0.98	1.1	0.82	12
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air and Ambient Air Collected in November 2007
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	Sample ID Lab ID Date Units	AA-14SD 111507 24 hour C0711025-018A 11/15/2007 (µg/m ³)	I1 111507 24 hour C0711025-006A 11/15/2007 (µg/m ³)	I2 111507 24 hour C0711025-008A 11/15/2007 (µg/m ³)	I3 111507 24 hour C0711025-010A 11/15/2007 (µg/m ³)	I4 111507 24 hour C0711025-023A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		27	9.4	12	3.3	9.2
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		14	4.2	5.1	0.55 J	4.7
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene		0.86 J	11	11	1	17 J
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		7.6	0.47 J	0.71 U	0.71 U	0.71 U
4-Ethyltoluene		11	1.3	1.7	0.75 U	1.8
Acetone		0.72 U	2300 D	59 D	0.72 U	92
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene		32	0.52	0.91	0.52	0.42 J
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		0.47 U	0.47 U	0.51	0.47 U	0.47 U
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.61 J	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		0.74 U	0.5 J	0.74 U	0.74 U	0.65 J
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.44 J
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		12	30	24	1	18
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		19	3.5	12 J	0.66 U	1.1
Freon 11		33	2.4	2.2	5.1	1.5
Freon 113		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		2.4	2.3	2.9	7.1	2.2
Heptane		9.2 J	17	9.2 J	1.1	0.62 U
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane		40	0.54 U	0.54 U	0.54 U	0.54 U
Isopropyl Alcohol		0.37 U	3300 D	1000 D	3200 D	1900 D
m&p-Xylene		67	4.7	6.9	0.93 J	2.5
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Methyl isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		2.6	480 D	220 D	5.8	2700 D
o-Xylene		18	2.3	3.2	0.66 U	1.1
Propylene		0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene		0.65 U	19	29	0.74	9
Tetrachloroethene		1 U	2.3	3.6	1 U	1 U
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene		130	18	21	1.8	12
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		0.22 U	1.5	1.5	0.66	1.1
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:
 J - Analyte detected at or below quantitation limits
 D - Detected at secondary dilution
 U - Not detected at the reporting limit
 µg/m³ - Micrograms per cubic meter

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air and Ambient Air Collected in November 2007
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	Sample ID Lab ID Date Units	I5 111507 24 hour C0711025-020A 11/15/2007 (µg/m ³)	I6 111507 24 hour C0711025-011A 11/15/2007 (µg/m ³)	I7 111507 24 hour C0711025-004A 11/15/2007 (µg/m ³)	I8 111507 24 hour C0711025-038A 11/15/2007 (µg/m ³)	I9 111507 24 hour C0711025-026A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		6.7	2.7	8.9	10	8.3
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		3	0.75 U	2.9	4.9	4.2
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene		11	1.3	17	11	13
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	0.71 U	0.71 U	0.57 J
4-Ethyltoluene		1.2	0.75 U	1.3	2	1.3
Acetone		100	0.72 U	2600 D	19	49
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Benzene		0.55	0.49	0.68	0.52	0.62
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride		0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		0.74 U	0.74 U	0.65 J	0.6 J	0.74 U
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	0.64	0.6 U	0.6 U
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		31	7.2	16	14	55
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		2.5	0.71	1.1	0.93	2.2
Freon 11		1.8	3.5	1.5	1.6	1.8
Freon 113		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		3.5	5	2.2	3.1	3.5
Heptane		1.1	0.79	32	0.62 U	1
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Hexane		0.54 U	0.54 U	0.54 U	0.54 U	1.6
Isopropyl Alcohol		1000 D	2800 D	1200 D	10000 D	1100 D
m&p-Xylene		6	1.4	2.3	2.2	5.3
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		830 D	29	380 D	1800 D	930 D
o-Xylene		2.7	0.57 J	0.79	1.5	2.5
Propylene		0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Styrene		13	3.6	2.8	8.5	16
Tetrachloroethene		0.69 J	1 U	1.2	0.97 J	0.76 J
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene		7.9	4.5	3.1	4.1	6.3
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		1.3	0.66	2.3	0.76	1.3
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 2. Concentrations of Volatile Organic Compounds in Indoor Air and Ambient Air Collected in November 2007
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	Sample ID	110 111507 24 hour	Ambient Air 111507 24 hour	Ambient Air 111507 24 hour	DUP-1 111507 24 hour
	Lab ID Date Units	C0711025-002A 11/15/2007 (µg/m ³)	C0711025-041A 11/15/2007 (µg/m ³)	C0711025-040A 11/15/2007 (µg/m ³)	C0711025-013A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane		0.83 U	1.9	0.83 U	0.67 J
1,1,1,2-Tetrachloroethane		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene		1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene		8.2	1.4	2.3	2
1,2-Dibromoethane		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene		0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane		0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane		0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene		3.5	0.75 U	0.75 U	2.1
1,3-Butadiene		0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene		0.92 U	0.92 U	0.92 U	12
1,4-Dichlorobenzene		13	0.79 J	0.92 U	8.8
1,4-Dioxane		1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane		0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene		0.9	0.75 U	0.75 U	0.75 U
Acetone		650 D	68	15	25
Allyl Chloride		0.48 U	0.48 U	0.48 U	0.48 U
Benzene		0.49 U	2.4	0.52	3.3
Benzyl Chloride		0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane		1 U	1 U	1 U	1 U
Bromoform		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane		0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide		0.47 U	0.47 U	0.47 U	3.5
Carbon Tetrachloride		0.96 U	0.64 J	0.96 U	0.96 U
Chlorobenzene		0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform		0.69 J	0.74 U	0.74 U	0.5 J
Chloromethane		0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
cis-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane		19	0.52 U	0.52 U	5.9
Dibromochloromethane		1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate		0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene		5.8	60	0.66 U	1.6
Freon 11		1.7	1.6	1.4	2.5
Freon 113		1.2 U	0.86 J	1.2 U	1.2
Freon 114		1.1 U	1.1 U	1.1 U	1.1 U
Freon 12		2.2	3.2	2.9	3.2
Heptane		32	0.62 U	0.62 U	5.1
Hexachloro-1,3-butadiene		1.6 U	1.6 U	1.6 U	1.6 U
Hexane		0.54 U	1.1	0.54 U	12
Isopropyl Alcohol		900 D	0.37 U	14	0.37 U
m&p-Xylene		14 J	1.3 U	0.75 J	4.4
Methyl Butyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone		0.9 U	0.9 U	0.9 U	5.1
Methyl Isobutyl Ketone		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether		0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride		400 D	1.1	1.4	3.5
o-Xylene		4.8	0.66 U	0.66 U	1.2
Propylene		0.26 U	0.26 U	0.26 U	0.26 U
Styrene		9.1	2.3	0.65 U	1.1
Tetrachloroethene		2.3	1 U	1 U	1
Tetrahydrofuran		0.45 U	0.45 U	0.45 U	0.45 U
Toluene		6.1	21	0.92	20
trans-1,2-Dichloroethene		0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene		0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene		2.6	4.2	0.22 U	2
Vinyl Acetate		0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide		0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride		0.39 U	0.39 U	0.39 U	0.39 U

Notes:

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

U - Not detected at the reporting limit

µg/m³ - Micrograms per cubic meter

Table 3. Summary of Constituents Detected in Subslab Soil Gas and Indoor Air
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	Detected in Groundwater (a)	Observed in Facility	Subslab Soil Gas Data (µg/m³)					Indoor Air Data (µg/m³)				
			FOD	%	Detected	Min	Max	FOD	%	Detected	Min	Max
1,1,1-Trichloroethane	X		17 / 20	85%	X	1.8	650	1 / 19	5%	X	0.78J	0.78J
1,1,2,2-Tetrachloroethane	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,1,2-Trichloroethane	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,1-Dichloroethane	X		1 / 20	5%	X	4.4	4.4	0 / 19	0%	ND	--	--
1,1-Dichloroethene	ND		3 / 20	15%	X	3.1	7.6	0 / 19	0%	ND	--	--
1,2,4-Trichlorobenzene	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,2,4-Trimethylbenzene	NA	Y	20 / 20	100%	X	5.8	49	19 / 19	100%	X	1.8	27
1,2-Dibromoethane	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,2-Dichlorobenzene	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,2-Dichloroethane	ND		0 / 20	0%	ND	--	--	1 / 19	5%	X	0.78	0.78
1,2-Dichloropropane	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,3,5-Trimethylbenzene	NA		20 / 20	100%	X	5.7	34	17 / 19	89%	X	0.55J	14
1,3-Butadiene	NA	Y	0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
1,3-Dichlorobenzene	ND		18 / 20	90%	X	59	110	0 / 19	0%	ND	--	--
1,4-Dichlorobenzene	ND		20 / 20	100%	X	1	43	19 / 19	100%	X	0.73J	54
1,4-Dioxane	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
2,2,4-Trimethylpentane	NA		6 / 20	30%	X	0.47J	3.2	3 / 19	16%	X	0.47J	7.6
4-Ethyltoluene	NA		20 / 20	100%	X	1.3	23	16 / 19	84%	X	0.55J	11
Acetone	NA	Y	17 / 20	85%	X	32	1100	16 / 19	84%	X	12	2600
Allyl Chloride	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Benzene	NA		19 / 20	95%	X	1.4	60	18 / 19	95%	X	0.42J	32
Benzyl Chloride	X		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Bromodichloromethane	NA		1 / 20	5%	X	0.95J	0.95J	0 / 19	0%	ND	--	--
Bromoform	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Bromomethane	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Carbon Disulfide	NA		20 / 20	100%	X	2	54	3 / 19	16%	X	0.44J	0.6
Carbon Tetrachloride	ND		1 / 20	5%	X	0.96	0.96	0 / 19	0%	ND	--	--
Chlorobenzene	ND		0 / 20	0%	ND	--	--	1 / 19	5%	X	0.61J	0.61J
Chloroethane	X		1 / 20	5%	X	1.1	1.1	0 / 19	0%	ND	--	--
Chloroform	ND		20 / 20	100%	X	0.69J	49	10 / 19	53%	X	0.5J	0.84
Chloromethane	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
cis-1,2-Dichloroethene	X		7 / 20	35%	X	0.56J	11	3 / 19	16%	X	0.44J	5.1
cis-1,3-Dichloropropene	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Cyclohexane	NA	Y	11 / 20	55%	X	2.6	460	18 / 19	95%	X	0.91	55
Dibromochloromethane	ND		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Ethyl Acetate	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Ethylbenzene	NA		20 / 20	100%	X	5.3	44	17 / 19	89%	X	0.62J	19
Freon 11	ND		19 / 20	95%	X	1.7	19	19 / 19	100%	X	1.5	33
Freon 113	ND		20 / 20	100%	X	1J	230	2 / 19	11%	X	0.86J	1.3
Freon 114	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Freon 12	NA		16 / 20	80%	X	1.4	3900	19 / 19	100%	X	2.2	7.1
Heptane	NA		17 / 20	85%	X	5	820	13 / 19	68%	X	0.79	32
Hexachloro-1,3-butadiene	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Hexane	NA		17 / 20	85%	X	4.4	850	4 / 19	21%	X	1.5	40
Isopropyl Alcohol	NA	Y	11 / 20	55%	X	24	760	17 / 19	89%	X	120	10000
m&p-Xylene	NA	Y	20 / 20	100%	X	13	150	19 / 19	100%	X	1.2J	67
Methyl Butyl Ketone	X		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Methyl Ethyl Ketone	NA		18 / 20	90%	X	6.7	110	0 / 19	0%	ND	--	--
Methyl Isobutyl Ketone	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Methyl Tert-Butyl Ether	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Methylene Chloride	NA	Y	20 / 20	100%	X	6.6	370	19 / 19	100%	X	2.6	2700
o-Xylene	ND	Y	20 / 20	100%	X	4.3	54	17 / 19	89%	X	0.62J	18
Propylene	NA	Y	0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Styrene	X	Y	20 / 20	100%	X	5.2J	16	16 / 19	84%	X	0.74	29
Tetrachloroethene	NA		20 / 20	100%	X	2.3	630	8 / 19	42%	X	0.69J	3.6
Tetrahydrofuran	NA	Y	0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Toluene	X	Y	20 / 20	100%	X	70	77000	19 / 19	100%	X	1.4	130
trans-1,2-Dichloroethene	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
trans-1,3-Dichloropropene	X		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Trichloroethene	X	Y	20 / 20	100%	X	3.3	310	18 / 19	95%	X	0.66	12
Vinyl Acetate	ND	Y	0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Vinyl Bromide	X		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--
Vinyl Chloride	NA		0 / 20	0%	ND	--	--	0 / 19	0%	ND	--	--

Notes:

J - Analyte detected at or below quantitation limits
X - Detected
ND - Not detected
NA - Not analyzed
Y - Yes
N - No

FOD - Frequency of detection
Min - Minimum detected concentration
Max - Maximum detected concentration
(a) - ND based on historical data indicating constituent not present
µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	NYSDOH Air Guideline (µg/m³)	USEPA BASE Background Value (a) (µg/m³)	Sample ID Lab ID Date Units	AA-2SD 111507 24 hour C0711025-024A 11/15/2007 (µg/m³)	AA-4SD 111507 24 hour C0711025-034A 11/15/2007 (µg/m³)	AA-8SD 111507 24 hour C0711025-037A 11/15/2007 (µg/m³)
1,1,1-Trichloroethane	--	20.6		0.83 U	0.83 U	0.78 J
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		10	11	14
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		5.2	5.1	5.7
1,3-Butadiene	--	<3.0		0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	--	5.5		4.6	5.9	5.4
1,4-Dioxane	--	--		1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.71 U	0.71 U	0.71 U
4-Ethyltoluene	--	3.6		1.4	1.9	2.6
Acetone	--	98.9		37	210	620 D
Allyl Chloride	--	--		0.48 U	0.48 U	0.48 U
Benzene	--	9.4		0.49	0.42 J	0.58
Benzyl Chloride	--	<6.8		0.88 U	0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U	1 U
Bromoform	--	--		1.6 U	1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.47 U	0.44 J
Carbon Tetrachloride	--	<1.3		0.96 U	0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U	0.4 U
Chloroform	--	1.1		0.74 U	0.55 J	0.84
Chloromethane	--	3.7		0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	0.6 U	0.6 U
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U	0.69 U
Cyclohexane	--	--		19	1.9	1
Dibromochloromethane	--	--		1.3 U	1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U	0.92 U
Ethylbenzene	--	5.7		1.4	0.62 J	0.79
Freon 11	--	18.1		1.9	1.6	1.9
Freon 113	--	3.5		1.2 U	1.2 U	1.3
Freon 114	--	<6.8		1.1 U	1.1 U	1.1 U
Freon 12	--	16.5		3.7	3	2.8
Heptane	--	--		0.62 U	0.62 U	1
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U	1.6 U
Hexane	--	10.2		0.54 U	0.54 U	0.54 U
Isopropyl Alcohol	--	--		2300 D	2100 D	1700 D
m&p-Xylene	--	22.2		2.9	1.4	2.2
Methyl Butyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U	0.55 U
Methylene Chloride	60	10 (b)		520 D	500 D	160
o-Xylene	--	7.9		1.5	0.75	0.75
Propylene	--	--		0.26 U	0.26 U	0.26 U
Styrene	--	1.9		8.7	2	1.4
Tetrachloroethene	100	16 (b)		1 U	1 U	1 U
Tetrahydrofuran	--	--		0.45 U	0.45 U	0.45 U
Toluene	--	43		3.9	3.2	4.3
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		1.6	0.82	1
Vinyl Acetate	--	--		0.54 U	0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U	0.39 U

Notes:

(a) 90% percentile background value (USEPA 2001 - BASE)
 (b) Indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
 Indoor air cells exceeding the NYSDOH air guideline are shaded gray
 Indoor air cells exceeding the NYSDOH background value are boldfaced
 -- - Value not available

BASE - Building Assessment and Survey Evaluation
 J - Analyte detected at or below quantitation limits
 D - Detected at secondary dilution
 NYSDOH - New York State Department of Health
 U - Not detected at the reporting limit
 µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	NYSDOH Air Guideline (µg/m³)	USEPA BASE Background Value (a) (µg/m³)	Sample ID Lab ID Date Units	AA-9SD 111507 24 hour C0711025-028A 11/15/2007 (µg/m³)	AA 10SD 111507 24 hour C0711025-032A 11/15/2007 (µg/m³)	AA-11SD 111507 24 hour C0711025-031A 11/15/2007 (µg/m³)
1,1,1-Trichloroethane	--	20.6		0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		6.6	6.9	9.8
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		4	2.8	3.6
1,3-Butadiene	--	<3.0		0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	--	5.5		4.3	3.5	6.7
1,4-Dioxane	--	--		1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.71 U	0.71 U	0.71 U
4-Ethyltoluene	--	3.6		1	1.3	1.7
Acetone	--	98.9		80	200	370 D
Allyl Chloride	--	--		0.48 U	0.48 U	0.48 U
Benzene	--	9.4		0.42 J	0.42 J	0.91
Benzyl Chloride	--	<6.8		0.88 U	0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U	1 U
Bromoform	--	--		1.6 U	1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.47 U	0.6
Carbon Tetrachloride	--	<1.3		0.96 U	0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U	0.4 U
Chloroform	--	1.1		0.74 U	0.6 J	0.55 J
Chloromethane	--	3.7		0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	0.6 U	0.6 U
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U	0.69 U
Cyclohexane	--	--		23	4.3	3.4
Dibromochloromethane	--	--		1.3 U	1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U	0.92 U
Ethylbenzene	--	5.7		1.1	0.79	0.84
Freon 11	--	18.1		1.8	1.6	1.5
Freon 113	--	3.5		1.2 U	1.2 U	1.2 U
Freon 114	--	<6.8		1.1 U	1.1 U	1.1 U
Freon 12	--	16.5		3.3	3	3.4
Heptane	--	--		0.79	0.62 U	0.62 U
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U	1.6 U
Hexane	--	10.2		0.54 U	0.54 U	0.54 U
Isopropyl Alcohol	--	--		2800 D	2300 D	480 D
m&p-Xylene	--	22.2		1.8	1.2 J	2
Methyl Butyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U	0.55 U
Methylene Chloride	60	10 (b)		91	120	76
o-Xylene	--	7.9		1.3	0.62 J	0.66
Propylene	--	--		0.26 U	0.26 U	0.26 U
Styrene	--	1.9		12 J	3.6	3
Tetrachloroethene	100	16 (b)		1 U	1 U	1 U
Tetrahydrofuran	--	--		0.45 U	0.45 U	0.45 U
Toluene	--	43		3.8	2.5	5.6
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		9	0.98	1.1
Vinyl Acetate	--	--		0.54 U	0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U	0.39 U

Notes:

- (a) 90th percentile background value (USEPA 2001 - BASE)
- (b) Indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
- Indoor air cells exceeding the NYSDOH air guideline are shaded gray
- Indoor air cells exceeding the NYSDOH background value are boldfaced
- - Value not available

- BASE - Building Assessment and Survey Evaluation
- J - Analyte detected at or below quantitation limits
- D - Detected at secondary dilution
- NYSDOH - New York State Department of Health
- U - Not detected at the reporting limit
- µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	NYSDOH Air Guideline (µg/m³)	USEPA BASE Background Value (a) (µg/m³)	Sample ID Lab ID Date Units	AA-12SD 111507 24 hour	AA-13SD 111507 24 hour	AA-14SD 111507 24 hour
				C0711025-014A 11/15/2007 (µg/m³)	C0711025-016A 11/15/2007 (µg/m³)	C0711025-018A 11/15/2007 (µg/m³)
1,1,1-Trichloroethane	--	20.6		0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		1.8	3.2	27
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.78	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		0.75 U	1.9	14
1,3-Butadiene	--	<3.0		0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	--	5.5		0.73 J	2.4	0.86 J
1,4-Dioxane	--	--		1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.71 U	0.71 U	7.6
4-Ethyltoluene	--	3.6		0.75 U	0.55 J	11
Acetone	--	98.9		12	26	0.72 U
Allyl Chloride	--	--		0.48 U	0.48 U	0.48 U
Benzene	--	9.4		1.1	0.94	32
Benzyl Chloride	--	<6.8		0.88 U	0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U	1 U
Bromoform	--	--		1.6 U	1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	--	<1.3		0.96 U	0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U	0.4 U
Chloroform	--	1.1		0.74 U	0.74	0.74 U
Chloromethane	--	3.7		0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	5.1	0.6 U
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U	0.69 U
Cyclohexane	--	--		0.91	0.52 U	12
Dibromochloromethane	--	--		1.3 U	1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U	0.92 U
Ethylbenzene	--	5.7		0.66 U	1.3	19
Freon 11	--	18.1		2	2	33
Freon 113	--	3.5		1.2 U	0.86 J	1.2 U
Freon 114	--	<6.8		1.1 U	1.1 U	1.1 U
Freon 12	--	16.5		2.7	3.1	2.4
Heptane	--	--		0.79	0.92	9.2 J
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U	1.6 U
Hexane	--	10.2		2.1	1.5	40
Isopropyl Alcohol	--	--		120	0.37 U	0.37 U
m&p-Xylene	--	22.2		0.84 J	3	67
Methyl Butyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U	0.55 U
Methylene Chloride	60	10 (b)		4.2	22	2.6
o-Xylene	--	7.9		0.66 U	0.97	18
Propylene	--	--		0.26 U	0.26 U	0.26 U
Styrene	--	1.9		0.65 U	0.65 U	0.65 U
Tetrachloroethene	100	16 (b)		1 U	1.5	1 U
Tetrahydrofuran	--	--		0.45 U	0.45 U	0.45 U
Toluene	--	43		1.4	4.3	130
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		0.82	12	0.22 U
Vinyl Acetate	--	--		0.54 U	0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U	0.39 U

Notes:

- (a) 90% percentile background value (USEPA 2001 - BASE)
 - (b) Indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
- Indoor air cells exceeding the NYSDOH air guideline are shaded gray
Indoor air cells exceeding the NYSDOH background value are boldfaced
-- Value not available

- BASE - Building Assessment and Survey Evaluation
- J - Analyte detected at or below quantitation limits
- D - Detected at secondary dilution
- NYSDOH - New York State Department of Health
- U - Not detected at the reporting limit
- µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	NYSDOH Air Guideline (µg/m³)	USEPA BASE Background Value (a) (µg/m³)	Sample ID Lab ID Date Units	Ambient air 111507 24 hour C0711025-041A 11/15/2007 (µg/m³)	Ambient air 111507 24 hour C0711025-040A 11/15/2007 (µg/m³)	DUP-1 111507 24 hour C0711025-013A 11/15/2007 (µg/m³)
1,1,1-Trichloroethane	--	20.6		1.9	0.83 U	0.67 J
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		1.4	2.3	2
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		0.75 U	0.75 U	2.1
1,3-Butadiene	--	<3.0		0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U	12
1,4-Dichlorobenzene	--	5.5		0.79 J	0.92 U	8.8
1,4-Dioxane	--	--		1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.71 U	0.71 U	0.71 U
4-Ethyltoluene	--	3.6		0.75 U	0.75 U	0.75 U
Acetone	--	98.9		68	15	25
Allyl Chloride	--	--		0.48 U	0.48 U	0.48 U
Benzene	--	9.4		2.4	0.52	3.3
Benzyl Chloride	--	<6.8		0.88 U	0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U	1 U
Bromoform	--	--		1.6 U	1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.47 U	3.5
Carbon Tetrachloride	--	<1.3		0.64 J	0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U	0.4 U
Chloroform	--	1.1		0.74 U	0.74 U	0.5 J
Chloromethane	--	3.7		0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	0.6 U	0.6 U
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U	0.69 U
Cyclohexane	--	--		0.52 U	0.52 U	5.9
Dibromochloromethane	--	--		1.3 U	1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U	0.92 U
Ethylbenzene	--	5.7		60	0.66 U	1.6
Freon 11	--	18.1		1.6	1.4	2.5
Freon 113	--	3.5		0.86 J	1.2 U	1.2
Freon 114	--	<6.8		1.1 U	1.1 U	1.1 U
Freon 12	--	16.5		3.2	2.9	3.2
Heptane	--	--		0.62 U	0.62 U	5.1
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U	1.6 U
Hexane	--	10.2		1.1	0.54 U	12
Isopropyl Alcohol	--	--		0.37 U	14	0.37 U
m&p-Xylene	--	22.2		1.3 U	0.75 J	4.4
Methyl Butyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U	5.1
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U	0.55 U
Methylene Chloride	60	10 (b)		1.1	1.4	3.5
o-Xylene	--	7.9		0.66 U	0.66 U	1.2
Propylene	--	--		0.26 U	0.26 U	0.26 U
Styrene	--	1.9		2.3	0.65 U	1.1
Tetrachloroethene	100	16 (b)		1 U	1 U	1
Tetrahydrofuran	--	--		0.45 U	0.45 U	0.45 U
Toluene	--	43		21	0.92	20
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		4.2	0.22 U	2
Vinyl Acetate	--	--		0.54 U	0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U	0.39 U

Notes:

- (a) 90% percentile background value (USEPA 2001 - BASE)
- (b) Indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
- Indoor air cells exceeding the NYSDOH air guideline are shaded gray
- Indoor air cells exceeding the NYSDOH background value are boldfaced
- Value not available

- BASE - Building Assessment and Survey Evaluation
- J - Analyte detected at or below quantitation limits
- D - Detected at secondary dilution
- NYSDOH - New York State Department of Health
- U - Not detected at the reporting limit
- µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Ulica, New York

Constituent	NYSDOH Air Guideline (µg/m ³)	USEPA BASE Background Value (a) (µg/m ³)	Sample ID Lab ID Date Units	I1 111507 24 hour C0711025-006A 11/15/2007 (µg/m ³)	I2 111507 24 hour C0711025-008A 11/15/2007 (µg/m ³)	I3 111507 24 hour C0711025-010A 11/15/2007 (µg/m ³)	I4 111507 24 hour C0711025-023A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane	--	20.6		0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		9.4	12	3.3	9.2
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		4.2	5.1	0.55 J	4.7
1,3-Butadiene	--	<3.0		0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	--	5.5		11	11	1	17 J
1,4-Dioxane	--	--		1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.47 J	0.71 U	0.71 U	0.71 U
4-Ethyltoluene	--	3.6		1.3	1.7	0.75 U	1.8
Acetone	--	98.9		2300 D	59 D	0.72 U	92
Allyl Chloride	--	--		0.48 U	0.48 U	0.48 U	0.48 U
Benzene	--	9.4		0.52	0.91	0.52	0.42 J
Benzyl Chloride	--	<6.8		0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U	1 U	1 U
Bromoform	--	--		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.51	0.47 U	0.47 U
Carbon Tetrachloride	--	<1.3		0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.61 J	0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	--	1.1		0.5 J	0.74 U	0.74 U	0.65 J
Chloromethane	--	3.7		0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	0.6 U	0.6 U	0.44 J
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	--	--		30	24	1	18
Dibromochloromethane	--	--		1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	--	5.7		3.5	12 J	0.66 U	1.1
Freon 11	--	18.1		2.4	2.2	5.1	1.5
Freon 113	--	3.5		1.2 U	1.2 U	1.2 U	1.2 U
Freon 114	--	<6.8		1.1 U	1.1 U	1.1 U	1.1 U
Freon 12	--	16.5		2.3	2.9	7.1	2.2
Heptane	--	--		17	9.2 J	1.1	0.62 U
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U	1.6 U	1.6 U
Hexane	--	10.2		0.54 U	0.54 U	0.54 U	0.54 U
Isopropyl Alcohol	--	--		3300 D	1000 D	3200 D	1900 D
m&p-Xylene	--	22.2		4.7	6.9	0.93 J	2.5
Methyl Butyl Ketone	--	--		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	60	10 (b)		480 D	220 D	5.8	2700 D
o-Xylene	--	7.9		2.3	3.2	0.66 U	1.1
Propylene	--	--		0.26 U	0.26 U	0.26 U	0.26 U
Styrene	--	1.9		19	29	0.74	9
Tetrachloroethene	100	16 (b)		2.3	3.6	1 U	1 U
Tetrahydrofuran	--	--		0.45 U	0.45 U	0.45 U	0.45 U
Toluene	--	43		18	21	1.8	12
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		1.5	1.5	0.66	1.1
Vinyl Acetate	--	--		0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U	0.39 U	0.39 U

Notes:

- (a) 90% percentile background value (USEPA 2001 - BASE)
- (b) Indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
- Indoor air cells exceeding the NYSDOH air guideline are shaded gray
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- NYSDOH - New York State Department of Health
- U - Not detected at the reporting limit
- µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	NYSDOH Air Guideline (µg/m³)	USEPA BASE Background Value (a) (µg/m³)	Sample ID Lab ID Date Units	I5 111507 24 hour	I6 111507 24 hour	I7 111507 24 hour	I8 111507 24 hour
				C0711025-020A 11/15/2007 (µg/m³)	C0711025-011A 11/15/2007 (µg/m³)	C0711025-004A 11/15/2007 (µg/m³)	C0711025-038A 11/15/2007 (µg/m³)
1,1,1-Trichloroethane	--	20.6		0.83 U	0.83 U	0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U	0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		6.7	2.7	8.9	10
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		3	0.75 U	2.9	4.9
1,3-Butadiene	--	<3.0		0.34 U	0.34 U	0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	--	5.5		11	1.3	17	11
1,4-Dioxane	--	--		1.1 U	1.1 U	1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.71 U	0.71 U	0.71 U	0.71 U
4-Ethyltoluene	--	3.6		1.2	0.75 U	1.3	2
Acetone	--	98.9		100	0.72 U	2600 D	19
Allyl Chloride	--	--		0.48 U	0.48 U	0.48 U	0.48 U
Benzene	--	9.4		0.55	0.49	0.68	0.52
Benzyl Chloride	--	<6.8		0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U	1 U	1 U
Bromoform	--	--		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.47 U	0.47 U	0.47 U
Carbon Tetrachloride	--	<1.3		0.96 U	0.96 U	0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	--	1.1		0.74 U	0.74 U	0.65 J	0.6 J
Chloromethane	--	3.7		0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	0.6 U	0.64	0.6 U
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	--	--		31	7.2	16	14
Dibromochloromethane	--	--		1.3 U	1.3 U	1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	--	5.7		2.5	0.71	1.1	0.93
Freon 11	--	18.1		1.8	3.5	1.5	1.6
Freon 113	--	3.5		1.2 U	1.2 U	1.2 U	1.2 U
Freon 114	--	<6.8		1.1 U	1.1 U	1.1 U	1.1 U
Freon 12	--	16.5		3.5	5	2.2	3.1
Heptane	--	--		1.1	0.79	32	0.62 U
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U	1.6 U	1.6 U
Hexane	--	10.2		0.54 U	0.54 U	0.54 U	0.54 U
Isopropyl Alcohol	--	--		1000 D	2800 D	1200 D	10000 D
m&p-Xylene	--	22.2		6	1.4	2.3	2.2
Methyl Butyl Ketone	--	--		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U	0.9 U	0.9 U
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U	1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	60	10 (b)		830 D	29	380 D	1800 D
o-Xylene	--	7.9		2.7	0.57 J	0.79	1.5
Propylene	--	--		0.26 U	0.26 U	0.26 U	0.26 U
Styrene	--	1.9		13	3.6	2.8	8.5
Tetrachloroethene	100	16 (b)		0.69 J	1 U	1.2	0.97 J
Tetrahydrofuran	--	--		0.45 U	0.45 U	0.45 U	0.45 U
Toluene	--	43		7.9	4.5	3.1	4.1
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U	0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		1.3	0.66	2.3	0.76
Vinyl Acetate	--	--		0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U	0.39 U	0.39 U

Notes:

- (a) 90% percentile background value (USEPA 2001 - BASE)
- (b) indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
- Indoor air cells exceeding the NYSDOH air guideline are shaded gray
- Indoor air cells exceeding the NYSDOH background value are boldfaced
- Value not available

- BASE - Building Assessment and Survey Evaluation
- J - Analyte detected at or below quantitation limits
- D - Detected at secondary dilution
- NYSDOH - New York State Department of Health
- U - Not detected at the reporting limit
- µg/m³ - Micrograms per cubic meter

Table 4. Comparison of Constituents in Indoor Air to NYSDOH Air Guidelines and Background Concentrations
Former Lockheed Martin French Road Facility, Utica, New York

Constituent	NYSDOH Air Guideline (µg/m ³)	USEPA BASE Background Value (a) (µg/m ³)	Sample ID Lab ID Date Units	I9 111507 24 hour	I10 111507 24 hour
				C0711025-026A 11/15/2007 (µg/m ³)	C0711025-002A 11/15/2007 (µg/m ³)
1,1,1-Trichloroethane	--	20.6		0.83 U	0.83 U
1,1,2,2-Tetrachloroethane	--	<1.5		1 U	1 U
1,1,2-Trichloroethane	--	<1.5		0.83 U	0.83 U
1,1-Dichloroethane	--	<0.7		0.62 U	0.62 U
1,1-Dichloroethene	--	<1.4		0.6 U	0.6 U
1,2,4-Trichlorobenzene	--	<6.8		1.1 U	1.1 U
1,2,4-Trimethylbenzene	--	9.5		8.3	8.2
1,2-Dibromoethane	--	<1.5		1.2 U	1.2 U
1,2-Dichlorobenzene	--	<1.2		0.92 U	0.92 U
1,2-Dichloroethane	--	<0.9		0.62 U	0.62 U
1,2-Dichloropropane	--	<1.6		0.7 U	0.7 U
1,3,5-Trimethylbenzene	--	3.7		4.2	3.5
1,3-Butadiene	--	<3.0		0.34 U	0.34 U
1,3-Dichlorobenzene	--	<2.4		0.92 U	0.92 U
1,4-Dichlorobenzene	--	5.5		13	13
1,4-Dioxane	--	--		1.1 U	1.1 U
2,2,4-Trimethylpentane	--	--		0.57 J	0.71 U
4-Ethyltoluene	--	3.6		1.3	0.9
Acetone	--	98.9		49	650 D
Allyl Chloride	--	--		0.48 U	0.48 U
Benzene	--	9.4		0.62	0.49 U
Benzyl Chloride	--	<6.8		0.88 U	0.88 U
Bromodichloromethane	--	--		1 U	1 U
Bromoform	--	--		1.6 U	1.6 U
Bromomethane	--	<1.7		0.59 U	0.59 U
Carbon Disulfide	--	4.2		0.47 U	0.47 U
Carbon Tetrachloride	--	<1.3		0.96 U	0.96 U
Chlorobenzene	--	<0.9		0.7 U	0.7 U
Chloroethane	--	<1.1		0.4 U	0.4 U
Chloroform	--	1.1		0.74 U	0.69 J
Chloromethane	--	3.7		0.31 U	0.31 U
cis-1,2-Dichloroethene	--	<1.9		0.6 U	0.6 U
cis-1,3-Dichloropropene	--	<2.3		0.69 U	0.69 U
Cyclohexane	--	--		55	19
Dibromochloromethane	--	--		1.3 U	1.3 U
Ethyl Acetate	--	5.4		0.92 U	0.92 U
Ethylbenzene	--	5.7		2.2	5.8
Freon 11	--	18.1		1.8	1.7
Freon 113	--	3.5		1.2 U	1.2 U
Freon 114	--	<6.8		1.1 U	1.1 U
Freon 12	--	16.5		3.5	2.2
Heptane	--	--		1	32
Hexachloro-1,3-butadiene	--	<6.8		1.6 U	1.6 U
Hexane	--	10.2		1.6	0.54 U
Isopropyl Alcohol	--	--		1100 D	900 D
m&p-Xylene	--	22.2		5.3	14 J
Methyl Butyl Ketone	--	--		1.2 U	1.2 U
Methyl Ethyl Ketone	--	12		0.9 U	0.9 U
Methyl Isobutyl Ketone	--	--		1.2 U	1.2 U
Methyl Tert-Butyl Ether	--	11.5		0.55 U	0.55 U
Methylene Chloride	60	10 (b)		930 D	400 D
o-Xylene	--	7.9		2.5	4.8
Propylene	--	--		0.26 U	0.26 U
Styrene	--	1.9		16	9.1
Tetrachloroethene	100	16 (b)		0.76 J	2.3
Tetrahydrofuran	--	--		0.45 U	0.45 U
Toluene	--	43		6.3	6.1
trans-1,2-Dichloroethene	--	--		0.6 U	0.6 U
trans-1,3-Dichloropropene	--	<1.3		0.69 U	0.69 U
Trichloroethene	5	4.2 (b)		1.3	2.6
Vinyl Acetate	--	--		0.54 U	0.54 U
Vinyl Bromide	--	--		0.67 U	0.67 U
Vinyl Chloride	--	<1.9		0.39 U	0.39 U

Notes:

(a) 90% percentile background value (USEPA 2001 - BASE)
 (b) Indoor air results were compared to the air guideline value developed by NYSDOH instead of the USEPA BASE background value.
 Indoor air cells exceeding the NYSDOH air guideline are shaded gray
 Indoor air cells exceeding the NYSDOH background value are boldfaced
 -- - Value not available

BASE - Building Assessment and Survey Evaluation
 J - Analyte detected at or below quantitation limits
 D - Detected at secondary dilution
 NYSDOH - New York State Department of Health
 U - Not detected at the reporting limit
 µg/m³ - Micrograms per cubic meter

Table 5. Evaluation of Potential Mitigation and Monitoring Actions Using NYSDOH Matrices
Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Constituent	Sample ID Lab ID Date Units	AA-2SD 111507 24 hr C0711025-024A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-2SD 111507 24 hr C0711025-025A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	54	No Further Action
1,1-Dichloroethene		0.30	4.6	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	1.8	No Further Action
Tetrachloroethene		0.50	3.7	No Further Action
Trichloroethene		1.6	210	Mitigate
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	AA-4SD 111507 24hr C0711025-034A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-4SD 111507 24hr C0711025-035A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	2.7	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.50	4.1	No Further Action
Trichloroethene		0.82	6.3	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	AA-8SD 111507 24hr C0711025-037A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-8SD 111507 24hr C0711025-036A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.78 J	27	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.50	17	No Further Action
Trichloroethene		1	310	Mitigate
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	AA-9SD 111507 24hr C0711025-028A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-9SD 111507 24hr C0711025-029A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	6.3	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	1.2	No Further Action
Tetrachloroethene		0.50	4.9	No Further Action
Trichloroethene		9 (b)	8.1	No Further Action
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	AA-10SD 111507 24hr C0711025-032A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-10SD 111507 24hr C0711025-033A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	0.42	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.45	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.5	2.3	No Further Action
Trichloroethene		0.98	6.3	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

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Table 5. Evaluation of Potential Mitigation and Monitoring Actions Using NYSDOH Matrices
Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Constituent	Sample ID Lab ID Date Units	AA-11SD 111507 24hr C0711025-031A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-11SD 111507 24 hr C0711025-030A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	19	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	1.2	No Further Action
Tetrachloroethene		0.50	7.4	No Further Action
Trichloroethene		1.1	14	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	AA-12SD 111507 24 hr C0711025-014A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-12SD 111507 24 hr C0711025-012A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	1.8	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.50	2.7	No Further Action
Trichloroethene		0.82	3.3	Background (a)
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	AA-14SD 111507 24hr C0711025-018A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	VP-14SD 111507 24 hr C0711025-017A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	3.9	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.56 J	No Further Action
Tetrachloroethene		0.50	3.2	No Further Action
Trichloroethene		0.22	4	No Further Action
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	S1 100207 2hr C0710003-001A 10/2/2007 ($\mu\text{g}/\text{m}^3$)	S1 100207 24hr C0710003-003A 10/2/2007 ($\mu\text{g}/\text{m}^3$)	I1 111507 24hr C0711025-006A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	S1 111507 24 hr C0711025-005A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	0.42	0.42	2.7	No Further Action
1,1-Dichloroethene		3.1	0.30	0.30	7.6	No Further Action
Carbon Tetrachloride		0.48	0.48	0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	0.30	2.7	No Further Action
Tetrachloroethene		630	120	2.3	210	Monitor
Trichloroethene		8.7	3.9	1.5	17	Monitor
Vinyl Chloride		0.20	0.20	0.20	0.20	No Further Action

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Table 5. Evaluation of Potential Mitigation and Monitoring Actions Using NYSDOH Matrices
Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Constituent	Sample ID Lab ID Date Units	S2 100207 24hr C0710003-002A 10/2/2007 $\mu\text{g}/\text{m}^3$	S2 100207 24hr C0710003-004A 10/2/2007 $\mu\text{g}/\text{m}^3$	I2 111507 24 hr C0711025-008A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	S2 111507 24hr C0711025-007A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	Matrix Result
1,1,1-Trichloroethane		650	370	0.42	560 D	Monitor
1,1-Dichloroethene		0.30	0.30	0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	0.30	0.30	No Further Action
Tetrachloroethene		3.3	3.8	3.6	29	Background (a)
Trichloroethene		10	6.3	1.5	11	Monitor
Vinyl Chloride		0.20	0.20	0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I3 111507 24hr C0711025-010A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	S3 111507 24 hr C0711025-009A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	Matrix Result
1,1,1-Trichloroethane		0.42	310	Monitor
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.50	200	Monitor
Trichloroethene		0.66	150	Monitor/Mitigate
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I4 111507 24 hr C0711025-023A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	S4 111507 24 hr C0711025-022A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	Matrix Result
1,1,1-Trichloroethane		0.42	4.7	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.44 J	0.30	No Further Action
Tetrachloroethene		0.50	4.1	No Further Action
Trichloroethene		1.1	7.4	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I5 111507 24 hr C0711025-020A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	S5 111507 24 hr C0711025-021A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	Matrix Result
1,1,1-Trichloroethane		0.42	18	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.83 J	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.69 J	12	No Further Action
Trichloroethene		1.3	9	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I6 111507 24 hr C0711025-011A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	S6 111507 24 hr C0711025-019A 11/15/2007 $(\mu\text{g}/\text{m}^3)$	Matrix Result
1,1,1-Trichloroethane		0.42	1.8	No Further Action
1,1-Dichloroethene		0.30	3.1	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	11	No Further Action
Tetrachloroethene		0.50	65	No Further Action
Trichloroethene		0.66	32	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Table 5. Evaluation of Potential Mitigation and Monitoring Actions Using NYSDOH Matrices
Solvent Dock Area, Former Lockheed Martin French Road Facility, Ulica, New York.

Constituent	Sample ID Lab ID Date Units	I7 111507 24 hr C0711025-004A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	S7 111507 24 hr C0711025-003A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	2.3	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.64	0.30	No Further Action
Tetrachloroethene		1.2	48	No Further Action
Trichloroethene		2.3	12	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I8 111507 24hr C0711025-038A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	S8 111507 24hr C0711025-039A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	21	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.97 J	7.9	No Further Action
Trichloroethene		0.76	11	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I9 111507 24 hr C0711025-026A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	S9 111507 24 hr C0711025-027A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	24	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	0.30	No Further Action
Tetrachloroethene		0.76 J	2.9	No Further Action
Trichloroethene		1.3	7.9	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Constituent	Sample ID Lab ID Date Units	I10 111507 24hr C0711025-002A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	S10 111507 24 hr C0711025-001A 11/15/2007 ($\mu\text{g}/\text{m}^3$)	Matrix Result
1,1,1-Trichloroethane		0.42	0.83	No Further Action
1,1-Dichloroethene		0.30	0.30	No Further Action
Carbon Tetrachloride		0.48	0.48	Background (a)
cis-1,2-Dichloroethene		0.30	8.2	No Further Action
Tetrachloroethene		2.3	190	Monitor
Trichloroethene		2.6	21	Monitor
Vinyl Chloride		0.20	0.20	No Further Action

Notes:

- (a) Take reasonable and practical actions to identify source(s) and reduce exposures
- (b) Concentration in indoor air similar to subslab concentration, likely background source

Non-detected compounds are italicized and presented at 1/2 the detection limit

J - Analyte detected at or below quantitation limits

D - Detected at secondary dilution

NYSDOH - New York State Department of Health

$\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter