2015 Annual Vapor Intrusion Study
Solvent Dock Area
Former Lockheed Martin French Road Facility
Utica, New York

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Sign-off Sheet

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EXECUTIVE SUMMARY

This report presents the results of the 2015 Vapor Intrusion (VI) Study performed at the former Lockheed Martin French Road Facility in Utica, New York. The study was conducted and this report was prepared in accordance with the *Draft Revised Work Plan for the Interim Corrective Measures* prepared for the site.

Because of previously-detected volatile organic compounds (VOC) presence in sub-slab and indoor air, mitigation in the form of a sub-slab depressurization system (SSDS) has been in operation since July 2008 as an interim corrective measure (ICM). The purpose of the SSDS is to prevent VOCs present in sub-slab soil vapor from entering the indoor air by creating a vacuum under the floor slab. Sub-slab vapors removed by the SSDS are treated with granular activated carbon to remove VOC contaminants. The ICM has also included performance of annual sampling to assess the effectiveness of the system.

Sub-slab soil gas and indoor air samples were collected from 18 vapor monitoring point (VMP) locations and an outdoor location at the ConMed facility in January 2015. A tabulation of results was provided to NYSDEC, and based on their review of that data and comparison to indoor air sampling performed independently by ConMed, NYSDEC directed that the sampling be repeated. This was due to the results showing different (generally higher) indoor air VOC concentrations at several locations when compared to the ConMed results. Accordingly, a second sampling event was performed in March 2015, wherein the entire sampling program was repeated. For the March event, individually-certified sampling canisters were provided by the laboratory as directed by NYSDEC, whereas the January canisters had been batch-certified. Additional QA/QC samples were also obtained.

Results of the January event had resulted in 14 of the 18 sample locations being assigned either a No Further Action or Background status according to the NYSDOH Matrices. One location (VMP-6A) was assigned a Monitor status due to detected concentrations of TCE in both sub-slab and indoor air samples. Three locations (VMP-2B, VMP-5A, and VMP-8A) were assigned a Mitigate status due to detected concentrations of TCE in both sub-slab vapor and indoor air samples. VMP-2B was also assigned a Monitor status for 1,1,1-TCA due to the concentration reported in the sub-slab sample, although 1,1,1-TCA was not detected in the indoor air sample at that location.

Results of the March event resulted in 14 of the 18 sample locations being assigned either a No Further Action or Background status according to the NYSDOH Matrices. Three locations were assigned a Monitor status due to sub-slab concentrations of PCE (VMP-1B), 1,1,1-TCA (VMP-2B), or TCE (VMP-2B and VMP-7A). A fourth location, VMP-8A, was assigned a Monitor/Mitigate status due to the sub-slab TCE concentration; the indoor air concentration of TCE at VMP-8A was well below the NYSDOH indoor air guideline value.

The need for Monitoring and/or Mitigation, as indicated by the January and March matrix results at VMP-1B (March), VMP-2B (January and March), VMP-5A (January), VMP-6A (January), VMP-

7A (March), and VMP-8A (January and March), is being met through the continued operation of the SSDS. It should be noted that each of the vapor monitoring probes assigned either a Monitor or Mitigate status have consistently achieved vacuum performance criteria as demonstrated through quarterly differential pressure monitoring. In addition, none of the target VOCs was present in the indoor samples for the March event at concentrations above the NYSDOH indoor air guideline values. These data are indicative of successful mitigation performance by the SSDS.

Based on these findings, Stantec and Lockheed Martin propose to suspend the performance of further annual VI air sampling and analysis. The protocol for the annual event is designed to guide the decision on the need for mitigation, which at this facility has already been decided. The SSDS is already operating and will remain in operation until otherwise agreed to and directed by NYSDEC and NYSDOH per the Statement of Basis dated March 2015. The routine tasks for SSDS operation, maintenance and monitoring will continue to maintain reliable operation of the system and maintain the requisite vacuum in the sub-slab environment. If variances occur, the necessary adjustments, repairs or upgrades will be made with approval from NYSDEC, NYSDOH, and ConMed. The ongoing routine system OM&M activities will continue to provide USEPA Method TO-15 analytical results for sub-slab vapor at the vapor extraction sumps.

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Acronyms and Abbreviations

1,1,1-TCA	1,1,1-trichloroethane
ASP	Analytical Services Protocol
CT	carbon tetrachloride
ConMed	ConMed Corporation
DCE	Dichloroethene
DUSR	data usability summary report
ICM	interim corrective measure
Lockheed Martin	Lockheed Martin Corporation
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	tetrachloroethene
QA/QC	quality assurance/quality control
SDS	sub-slab depressurization sump
SSDS	sub-slab depressurization system
Stantec	Stantec Consulting Services Inc.
TCE	Trichloroethene
TestAmerica	TestAmerica Laboratories, Inc.
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VI	vapor intrusion
VMP	vapor monitoring point
VOC	volatile organic compound
VPGAC	vapor phase granular activated carbon

1.0 Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Stantec Consulting Services Inc. (Stantec) has prepared this report on the *2015 Annual Vapor Intrusion Study, Solvent Dock Area* (VI report) for the former Lockheed Martin French Road Facility in Utica, New York (site; see Figure 1). This report presents the results from vapor intrusion monitoring involving sub-slab soil gas, indoor air, and outdoor air sampling.

A sub-slab depressurization system (SSDS) has been in operation in selected areas of the facility since July 2008 as an interim corrective measure (ICM). Details of the SSDS are shown on Figure 2, Site Plan and System Layout. The purpose of the SSDS is to prevent elevated volatile organic compound (VOC) vapors detected below the concrete slab of the northeast portion of the main ConMed manufacturing building from entering indoor air. This is accomplished by creating a vacuum under the slab to reduce the potential for VOC vapor migration to indoor air. The ICM was implemented as proposed in the *Draft Revised Work Plan for the Interim Corrective Measure* (ARCADIS, 2008a).

The regularly-scheduled annual VI monitoring event was performed by Stantec during the period January 14-16, 2015. The sampling was then repeated at the direction of the New York State Department of Environmental Conservation (NYSDEC). The resampling was required based on NYSDEC's review and comparison of Stantec's preliminary results to those of indoor air sampling performed independently by ConMed Corporation (ConMed; the current site occupant) on January 21, 2015. ConMed had obtained 14 indoor air samples (without co-located sub-slab samples) throughout the main facility, including the area mitigated by the SSDS. Stantec's January sampling event had indicated generally higher chlorinated volatile organic compound (CVOC) concentrations in indoor air samples than the ConMed results. NYSDEC also required that the resampling utilize individually-certified sampling canisters rather than batch-certified canisters as were utilized in the January event, and that the sampling be completed prior to the end of the 2015 heating season (March 31, 2015). This report describes the sampling methodology, and summarizes and evaluates the sampling results from both the January 2015 and March 2015 sampling events.

2.0 Previous Vapor Intrusion Sampling

In February 2006, sub-slab soil gas and indoor air samples were collected at multiple locations inside the ConMed building above the area of known impacted groundwater. Analytical results from this sampling event indicated the presence of elevated VOCs including primarily tetrachloroethene (PCE) and trichloroethene (TCE) in the soil gas beneath the ConMed building, as presented in the *Vapor Intrusion Study Report* (Earth Tech, 2006). At that time, the source of several VOCs detected in indoor air samples could not be determined due to the use of VOC-containing materials inside the building. This chemical use was documented in a chemical inventory prepared by Earth Tech. The locations where elevated VOCs in the sub-slab soil gas were detected did not directly correlate with locations where indoor air VOC detections were observed. Although a correlation could not be established, concentrations of VOCs in sub-slab soil gas samples were greater than New York State Department of Health (NYSDOH) guidance levels that require mitigation measures to be implemented (in accordance with NYSDOH's then-current *Public Comment Draft, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005*).

In April 2007, ARCADIS collected co-located sub-slab soil gas and indoor air samples in the eastern portion of the building. Based on these results, ARCADIS recommended re-sampling and installing an SSDS. In October and November 2007, additional sub-slab soil gas and indoor air sampling was conducted to:

- Confirm previous results;
- Better understand sub-slab soil gas and indoor air quality; and
- Further define areas in the building that might require mitigation as part of the planned ICM for the ConMed facility.

Results of this study were submitted to NYSDEC in the *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS, 2008b). The study results identified elevated TCE in sub-slab soil gas and indoor air at concentrations that could warrant mitigation along the eastern/northeastern side of the ConMed facility, in accordance with *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006* (VI guidance; NYSDOH, 2006).

In August 2009, after the SSDS had been installed and operated, 14 paired sub-slab soil gas and indoor air samples were collected to evaluate the effects of mitigation on soil gas and indoor air quality. The SSDS was operational during the sampling period. The results of this sampling event were submitted to NYSDEC in the *Annual Post-Mitigation Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS, 2010a). The sampling confirmed that the SSDS was mitigating sub-slab soil gas concentrations of site-related VOCs, but also confirmed the need for additional mitigation in selected areas.

In January 2010, sub-slab soil gas and indoor air were sampled at 12 locations. Results of this sampling event indicated that, except for vapor monitoring point VMP-3A (Figure 2), sub-slab soil

gas concentrations of site-related VOCs (including TCE and PCE) were reduced relative to the previous sampling round (ARCADIS, 2010b). An expansion of the SSDS, described in Section 3.0, was initiated in 2010 and completed in 2011. Indoor air and sub-slab results derived from sampling conducted during January 2011 and January 2012 (ARCADIS, 2011, 2012) showed that the majority of co-located samples were assigned No Further Action or Background status according to the matrices of the NYSDOH 2006 guidance. Location VMP-7A (Figure 2) was assigned a Mitigate status and Monitor status based on the January 2011 and January 2012 sampling results, respectively.

VMP-7A continued to be assigned a Monitor designation following the 2013 VI monitoring event, although the matrix results for all of the other sampling locations did not indicate either a Monitor or Mitigate status. Data collected in 2013 from the former guard house, located north of the main facility, indicated that there was no evidence to suggest a vapor intrusion issue in that building. As such, sampling at the guard house was discontinued. In October 2013, an additional sub-slab depressurization sump, further described in Section 3.0, was installed in the vicinity of VMP-7A.

During the 2014 VI monitoring event, three sample locations (VMP-5A, VMP-6A, and VMP-7A on Figure 2) were assigned a Monitor status under the NYSDOH VI guidance due to concentrations of TCE in sub-slab soil gas. It should be noted that at each location's paired indoor air sample, TCE was not detected above the reporting limit (this may be due in part to higher-than-typical reporting limits for these samples). It should also be noted that at each location assigned a Monitor status, the SSDS achieved the vacuum performance criterion at the respective vapor monitoring point. No other Monitor or Mitigate statuses were assigned at the remaining sample locations in 2014.

3.0 Interim Corrective Measure: Sub-Slab Depressurization System

The SSDS began operating as an ICM in July 2008. The primary objective of the SSDS operation is to maintain a vacuum below the building slab relative to the air pressure in the building above the slab, thereby reducing the potential migration and intrusion of vapors into the building. In order to achieve an effective pressure differential across the concrete slab, soil gas is extracted from the subsurface and conveyed through carbon treatment to the atmosphere outside the building. This mitigates the potential migration of VOCs from sub-slab soil gas to indoor air.

The original SSDS included three sub-slab depressurization sumps (SDS-1 through SDS-3), a regenerative vacuum blower, effluent air treatment via vapor-phase granular activated carbon (VPGAC), vapor monitoring points (VMPs) and associated piping. The VMPs were installed to allow measurement of the pressure differential between the indoor air and the sub-slab environment.

Operation, maintenance and monitoring (OM&M) activities of the SSDS during 2009 indicated that the ICM SSDS was not meeting operational goals (specifically in the area north of SDS-1 and west of SDS-3), thereby requiring system expansion and modification. In September 2010, SSDS upgrade activities were initiated, which included the installation of four additional depressurization sumps (SDS-4 though SDS-7) and upgrades to other major components of the system. The purpose of these upgrades was to expand capture of sub-slab gas to areas where VOCs were present but were not being mitigated by the system. These system upgrades were completed in April 2011.

Based on data collected periodically during 2012, the upgraded SSDS was determined to be largely meeting performance goals, with the exception of the area of vapor monitoring point VMP-7A (near sump SDS-7, Figure 3). Vacuum monitoring in the vicinity of VMP-7A was performed during the fourth quarter of 2012 and a follow-up pilot test was completed in 2013. Based on results of the pilot test, design and installation of an additional sub-slab depressurization sump (SDS-8) and four additional VMP locations (VMP-8A, VMP-8B, VMP-8C, and VMP-8D) in the vicinity of VMP-7A was completed in October 2013. The expanded system now consists of eight SDSs (SDS-1 through SDS-8) with 25 VMPs. The system layout is shown on Figure 2.

4.0 Sampling Approach

4.1 INTRODUCTION

To evaluate the current quality of sub-slab soil gas and indoor air, 18 paired sub-slab soil gas and indoor air samples and one outdoor ambient air sample were obtained during each of the sampling events. In addition, one duplicate sub-slab sample and one duplicate indoor air sample were collected for each event. During the March event, "split" sub-slab and indoor air samples were also obtained and submitted to a separate laboratory for independent analysis. This is discussed in further detail below.

Sampling locations are shown on Figure 4. All samples from the first VI monitoring event were collected on January 15, 2015, using batch-certified canisters. Samples from the second sampling event were collected on March 25, 2015, using individually-certified canisters. Sampling logs are provided in Appendix A. The SSDS operated under normal conditions during the sampling event. Sampling methods used for the sub-slab soil gas samples, indoor air samples, and outdoor ambient air sample are discussed below.

4.2 SUB-SLAB SOIL GAS SAMPLING

Samples were collected from the following VMPs: VMP-1B, VMP-2B, VMP-2C, VMP-3A, VMP-3B, VMP-3D, VMP-3E, VMP-4, VMP-5A, VMP-5B, VMP-6A, VMP-6B, VMP-7, VMP-7A, VMP-7B, VMP-8A, VMP-8B, and VMP-8C. Each of these locations has been previously monitored as part of the annual vapor intrusion sampling program with the exception of locations VMP-8A, VMP-8B, and VMP-8C, which were installed in 2013 as a means to evaluate expanded SSDS performance related to new sub-slab depressurization sump SDS-8. VMP-8D was not included during the 2015 event due to lack of air flow within the probe at the time of sampling. Although vacuum measurements at VMP-8D achieved OMM performance criteria during the past year, a lack of flow was identified during more recent visits. As a result, VMP-8D was replaced on April 1, 2015. Immediately following replacement, vacuum measurements confirmed that VMP-8D is meeting the vacuum performance criterion (measured 0.022 inches of water column vs. target vacuum of 0.004 inches of water column). Subsequent 24-hour differential pressure monitoring indicated an average of 0.025 inches of water column. A screen was not identified in the original VMP during VMP replacement. Although the VMP replacement process did not reveal an explicit cause for the inhibited air flow at VMP-8D, the lack of screen potentially explains the poor VMP performance at that location.

Vacuum measurements obtained with a differential pressure datalogger during the January 2015 quarterly OM&M event indicated location VMP-3A was not meeting required vacuum levels. However, a follow-up instantaneous measurement at this location showed acceptable vacuum (0.061 inches of water column). In addition, a second test was performed with a datalogger in March 2015 and those results also showed acceptable levels of vacuum.

Sub-slab samples and duplicates were collected in 6-liter SUMMA® canisters pre-set by the laboratory to draw soil gas at a flow rate of no more than approximately 12.5-milliliters per minute. Samples were collected over an approximately 8-hour sampling period; however, as indicated in

the sample logs (Appendix A), some samples were collected in less than 8 hours, based on the flow regulator gauge reading, and some samples were given longer than 8 hours to obtain the laboratory-required minimum air volume. The valve on the SUMMA® canister was closed when approximately 5-inches of mercury vacuum were left in the canister, leaving a vacuum in the canister as a means for the laboratory to verify that the canister did not leak during transit. Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) in South Burlington, Vermont for laboratory analysis in accordance with United States Environmental Protection Agency Compendium Method TO-15. Laboratory results of sub-slab and indoor air sample analyses are provided in Appendix B. During the March 2015 sampling event "split" samples of sub-slab vapor and indoor air were collected at VMP-5A for independent analysis by Centek Laboratories (Centek) in Syracuse, NY. The split samples were obtained concurrently with the normal samples using a "wye" fitting installed in the sample tubing. The split sample was analyzed by Centek (the lab used for ConMed's January indoor air sampling event) in order to rule out the possibility that the variation in results in January might be due to differences between labs. The VMP-5A location was selected because of the indoor air concentration of TCE reported in January 2015 (27 µg/m^3), which exceeded the NYSDOH indoor air guideline value.

Two additional Quality Assurance/Quality Control (QA/QC) measures were undertaken during the March 2015 sampling event to further control potential variables in the sampling methodology. As described above, individually-certified canisters were used. Secondly, tracer gas testing was performed using helium at each sub-slab location both before and after sample collection. The approach was developed in accordance with NYSDOH's 2006 SVI Guidance. Each test involved setting a bucket over the VMP, with tubing extending from the sample port through a hole in the top of the bucket. Tubing was inserted through a hole in the side of the bucket to supply the helium. Molding clay was used to provide seals around the tubing exiting/entering the bucket holes. Ambient helium and downhole helium levels were measured with a Radio Detection MGD-2002 Helium Leak Detector and recorded prior to helium enrichment. The atmosphere inside the bucket was then enriched with helium; downhole helium levels were monitored and recorded, followed by ambient helium levels. All locations passed both tracer gas tests based on downhole helium measurements which were all well below 10% of the helium added.

4.3 INDOOR AIR SAMPLING

All indoor air samples and duplicates were collected in accordance with the methods described in the *Vapor Intrusion Work Plan – Revised* (Lockheed Martin, 2005) and the VI guidance (NYSDOH, 2006) over the same timeframe as collection of the corresponding sub-slab soil gas samples at each VMP location. The indoor air sample canisters were placed at a height of approximately three to five feet above the floor.

4.4 OUTDOOR AMBIENT AIR SAMPLING

One outdoor ambient air sample was collected during each of the monitoring events to facilitate comparison with the indoor air and sub-slab vapor conditions. For both sampling events this sample was collected in the grassy area north of the main building to the west of Manhole-2 (MH-2; see Figure 4). This location is out of the way of vehicle traffic and associated exhaust and there is limited activity in the vicinity. In the morning on the sampling day in

January 2015, the wind speed was < 5 mph and the wind direction was generally toward the south; the air sample was obtained to the north and upwind of the building. Throughout the day, wind conditions were observed to be calm with no obvious direction. The outdoor air location was kept the same for the second event in March 2015 to aid in result comparison and sampling consistency. The wind was observed to be moderate and from the NE; as was the case for the January event, the outdoor air sample was collected to the north and upwind of the building. The outdoor air sample canister was set at a height approximately three to five feet above the ground surface and collected over the same timeframe as collection of the sub-slab and indoor air samples.

5.0 Results and Findings

5.1 INTRODUCTION

This section discusses the results of the January and March 2015 VI sampling events. This evaluation includes a comparison of the paired sample results to the Soil Vapor/Indoor Air Matrix 1 and 2 ("matrices") presented in the NYSDOH VI guidance. As part of both the January 2015 and March 2015 sampling events, a facility chemical inventory was conducted with the assistance of ConMed personnel, who were also consulted regarding facility operations. The chemical inventory was performed by a Stantec representative, accompanied by a ConMed representative. The inventory included any products stored and used in the eastern one-third of the facility (within SSDS coverage) that might have the potential to impact indoor air quality, as recommended by NYSDOH (2006). The inventory included observations in all rooms containing sample locations as well as most adjacent areas. A picture was taken of each product and observations including the brand, quantity, and condition were recorded on the inventory (Appendix D). Ingredients were identified using the photographs (if ingredients were listed) and/or the product [Material] Safety Data Sheet ([M]SDS). Ambient VOC levels were monitored using a Photo-Ionization Detector (PID) and recorded on the inventory.

Sub-slab soil gas results are presented in Table 1, indoor air results are presented in Table 2, and the outdoor ambient air sample results are presented in Table 3. Table 4 summarizes the frequency of detection and minimum- and maximum-detected concentrations for each constituent in sub-slab, indoor air, and outdoor air samples. Figure 4 presents the analytical results for PCE and TCE in sub-slab soil gas, indoor air, and outdoor air samples on a sample location plan.

Copies of the analytical laboratory reports for the January and March 2015 sampling events are provided in Appendix B. Data packages were provided by the laboratories and prepared as New York State (NYS) "Analytical Services Protocol" (ASP) "Category B" deliverables. *Data Usability Summary Reports* (included in Appendix C) were completed in accordance with NYSDEC DER-10 (*Technical Guidance for Site Investigation and Remediation* [May 2010]).

The project data validator reviewed the usability of the analytical data, including determining if the data were accurate, precise, representative, complete, and comparable. Valid data are data for which all quality assurance/quality control (QA/QC) review criteria have been met and are acceptable. Data were characterized as usable where QA/QC parameters were marginally outside acceptable limits (e.g., sample holding times were slightly exceeded), such that the data may be questionable, but still usable within limitation. The data usability reviews indicated all analytical results were considered usable and, therefore, no data were rejected. The data usability summary reports (DUSRs) indicated that some additions of, or changes to, data qualifiers were required; the modified data qualifiers are included in the summary data tables of this report.

Sub-slab soil gas and indoor air data from the January and March 2015 sampling events were evaluated in two ways, as discussed below in the following section. These include:

1. Analytical data were evaluated using the NYSDOH matrices; and
2. Results were compared to historical VI results from co-located samples collected in 2009 through 2014, where available.

This evaluation is described in the following sections.

5.2 DATA EVALUATION USING NYSDOH MATRICES

Sub-slab soil gas and indoor air results are compared to the NYSDOH matrices. Matrix 1 applies to carbon tetrachloride (CT), TCE, and vinyl chloride (VC). Matrix 2 applies to 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), PCE, and 1,1,1-trichloroethane (1,1,1-TCA). Table 5 compares the indoor air and sub-slab soil gas results to the matrix-recommended action. The matrices provide five different options or actions:

- No Further Action;
- Take Reasonable and Practical Actions to identify source(s) and reduce exposures (i.e., concentration in indoor air is likely associated with indoor and/or outdoor sources); this status is designated as "Background" in the context of NYSDOH matrix output in this report);
- Monitor;
- Monitor/Mitigate; and
- Mitigate.

As presented in Table 5, 18 sub-slab soil gas samples (plus one duplicate sample) and 18 indoor air samples (plus one duplicate sample) were collected during the January 2015 sampling event and then again during the March 2015 sampling event. Paired sub-slab soil gas and indoor air results were used together to generate recommended actions based on the NYSDOH matrices. To apply the NYSDOH matrix guidance, any non-detect analytes were considered present at a concentration equal to the reporting limit, as has been done in previous reports.

As part of both 2015 monitoring events, a chemical inventory (Appendix D) was completed in accordance with the NYSDOH VI guidance. Several constituents detected in indoor air (such as acetone, chlorobenzene, ethylbenzene, heptane, hexane, isopropyl alcohol, methylene chloride, styrene, toluene, xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and 2-butanone) are used by ConMed in its various operations in specific locations within the facility and were identified during the inventories. No chlorinated VOC-containing products were identified by the inventory, with the exception of methylene chloride and chlorobenzene; these are not considered compounds of concern for vapor intrusion at the site.

5.2.1 January 2015 Results

As shown on Table 5, 14 of the 18 sampling locations were assigned No Further Action or Background designations based on the January 2015 data.

One location (VMP-6A) was assigned a Monitor status due to detected concentrations of TCE in both sub-slab and indoor air samples.

Three locations (VMP-2B, VMP-5A, and VMP-8A) were assigned a Mitigate status due to detected concentrations of TCE in both sub-slab vapor and indoor air samples. VMP-2B was also assigned a Monitor status for 1,1,1-TCA due to the high concentration reported in the sub-slab sample, although 1,1,1-TCA was not detected in the indoor air sample at that location.

5.2.2 March 2015 Results

As shown on Table 5, 14 of the 18 sampling locations are assigned No Further Action or Background designations based on the March 2015 data.

One location (VMP-1B) is assigned a Monitor status due to the observed concentration of PCE in the sub-slab sample; PCE was not detected above the reporting limit in the co-located indoor air sample.

Two locations (VMP-2B and VMP-7A) are assigned a Monitor status due to detected concentrations of TCE in the sub-slab vapor samples, although TCE was not detected in the indoor air samples at those locations. VMP-2B was also assigned a Monitor status for 1,1,1-TCA due to the concentration reported in the sub-slab sample; however 1,1,1-TCA was not detected in the indoor air sample at that location.

VMP-8A is assigned a Monitor/Mitigate status due to detected concentrations of TCE in both sub-slab vapor and indoor air samples, however the TCE indoor air concentration (0.56 µg/m$^{3)}$ was well below the NYSDOH guidance value for TCE of 5 µg/m^3.

5.2.3 NYSDOH Matrix Comparison of January 2015 and March 2015 Results

In general, the results of the March 2015 sampling event showed lower concentrations for most samples and therefore correspondingly lower matrix results than the January event. Three of the four locations (VMP-2B, -5A and -8A) designated as Mitigate status based on the January data were re-assigned a lower-level matrix output based on the March data.

The following items detail changes in the NYSDOH matrix output based on the re-sampling results:

- TCE was detected at all 18 indoor air locations during the January 2015 event, whereas TCE was only detected at two indoor air locations (VMP-8A and VMP-8C) during the March 2015 event. Both of these locations exhibited lower concentrations than reported in January and remain below the NYSDOH indoor air guideline value for TCE.
- The non-detect results for TCE in indoor air in March 2015 changed the matrix output from Background (as determined from the January 2015 data) to No Further Action at 11 locations. One of these locations, VMP-7B, was reported in January to have an indoor air TCE concentration of 5.6 µg/m^3, which was an exceedance of the NYSDOH indoor air guideline value. However, TCE was not detected during the March sampling event in the indoor air sample at this location.

- Based on the January 2015 data, VMP-2B had been assigned a Monitor status for 1,1,1-TCA and a Mitigate status for TCE. VMP-2B continues to be assigned a Monitor status for sub-slab 1,1,1-TCA concentration based on the March 2015 data, which continues to indicate a non-detect result in the indoor air sample. However, TCE was not detected in the indoor air sample during the March sampling event, so this location was re-assigned to a Monitor status for TCE.
- VMP-5A was assigned a Mitigate status for TCE based on the January 2015 results, which indicated TCE in indoor air at a concentration of 27 µg/m³, exceeding NYSDOH's indoor air guideline value. The March 2015 results were non-detect for TCE, resulting in a No Further Action status. In addition, a split sample was collected from VMP-5A for independent analysis at a different laboratory (Centek). These analytical results were consistent with the TestAmerica results (see Table 5).
- VMP-6A was assigned a Monitor status for TCE in January 2015, however, TCE was not detected in the indoor air sample at VMP-6A during the March 2015 event. Accordingly, this location is now designated as No Further Action based on the March data.
- VMP-7A had been assigned a Background status based on the January 2015 data due to low-level concentrations of TCE in both the sub-slab and indoor air samples. Based on the March 2015 data, however, VMP-7A is changed to a Monitor status for TCE. Although TCE was not detected in the indoor air sample collected in March, the sub-slab concentration of TCE increased from 1.4 µg/m³ [duplicate result: 4.7 µg/m³] in January to 100 µg/m³ [duplicate result: 84 µg/m³] in March 2015.
- VMP-8A had been assigned a Mitigate status based on the January 2015 data due to detected concentrations of TCE in both the sub-slab and indoor air samples. Based on the March 2015 data, however, VMP-8A is changed to a Monitor/Mitigate status for TCE concentration. This is due to an increase in the sub-slab concentration of TCE (96 µg/m³ to 190 µg/m³) coupled with a decrease in the indoor air concentration of TCE (2.7 µg/m³ to 0.56 µg/m³).
- Lower concentrations in March 2015 of CT in both the sub-slab vapor and indoor air samples at VMP-4 caused the matrix status assignment to change from Background, based on January 2015 data, to No Further Action based on March 2015 data.
- VMP-1B had been assigned a No Further Action status for PCE based on the January 2015 data; however this location was changed to a Monitor status based on the March results, due to a higher PCE concentration in the sub-slab sample (39 µg/m³ in January; 240 µg/m³ in March). PCE was not detected in the co-located indoor air sample.

5.3 COMPARISON OF 2015 RESULTS TO HISTORICAL DATA

Matrix results for sub-slab soil gas and indoor air sampling data obtained from 2009 through 2015 are compared for each sampling location in Table 6. A compilation of historical and current vapor intrusion data (2009 through 2015) is provided in Table 7. Historical indoor air and sub-slab sampling locations are shown on Figure 3. Vapor intrusion mitigation in the eastern one-third of the building will continue through the operation of the SSDS, until the system is no longer needed as directed by NYSDEC and NYSDOH.

5.4 OUTDOOR AIR SAMPLE RESULTS

Results from the outdoor air samples are provided in Table 3 and are compared to the previous year's results in Table 7.

The outdoor air data collected in both 2015 events continue to indicate low-level ambient presence of several VOCs including benzene, carbon tetrachloride, chloromethane, toluene, and Freon 11. Similar analytes were observed in the January and March 2015 samples, with the exception of TCE which was not detected in the March sample. The 2014 outdoor air sample also contained a similar variety of VOCs, also at low levels, including TCE.

The NYSDOH SVI guidance document provides outdoor air guideline values for methylene chloride, PCE, and TCE. All 2015 outdoor air results for those analytes remain below these values. It is noted that the outdoor air concentration of TCE increased slightly from 0.84 µg/m^3 in February 2014 to 2.3 µg/m^3 in January 2015; the observed indoor air TCE concentration was within the range of the January 2015 TCE outdoor air concentration, indicating that low-level presence of this VOC indoors may represent background conditions for the site. However, TCE was not detected in the March sample.

6.0 Summary and Conclusions

Sub-slab soil gas and indoor air samples were collected from 18 locations at the ConMed facility in January and March 2015. Additionally, during both events, one ambient outdoor air location was sampled. The sampling was performed to assess the effectiveness of the vapor intrusion mitigation currently being implemented at the site through operation of the SSDS in the eastern portion of the ConMed facility.

The first sampling event was performed on January 15, 2015. A tabulation of results was provided to NYSDEC, and based on their review of that data and comparison to indoor air sampling performed independently by ConMed, NYSDEC directed that the sampling be repeated. This was due to the results showing different (generally higher) indoor air VOC concentrations at several locations when compared to the ConMed results. Accordingly, a second sampling event was performed on March 25, 2015, wherein the entire sampling program was repeated. For the March event, individually-certified sampling canisters were provided by the laboratory, whereas the January canisters had been batch-certified. Additional QA/QC samples were also obtained through the collection of split samples from location VMP-5A for sub-slab vapor and indoor air. The split samples were analyzed by Centek (the lab used for ConMed's January indoor air sampling event) in order to rule out the possibility that the variation in the January results might be due to differences between labs. VMP-5A was selected because of the indoor air concentration of TCE reported in January 2015 (27 µg/m^3), which exceeded the NYSDOH indoor air guideline value. The analytical data from Centek agreed well with the TestAmerica data and both independently resulted in a No Further Action status for TCE at the VMP-5A location.

NYSDOH guidance matrix output results for the January sampling event resulted in one VMP location (VMP-6) being assigned a status of Monitor. Three other locations (VMP-2B, -5A, and -8A) received a Mitigate status. The other fourteen locations were assigned either Background or No Further Action status. Results of the March event resulted in three locations (VMP-1B, -2B, and -7A) being assigned a Monitor status. VMP-8A was assigned a Monitor/Mitigate status due to the sub-slab TCE concentration. The indoor air concentration of TCE at VMP-8A (0.56 µg/m^3) was well below the NYSDOH indoor air guideline level of 5 µg/m^3. The other fourteen locations were assigned either Background or No Further Action status.

As described in Section 5.3, matrix results have remained generally consistent or have improved between 2009 and 2015 (Table 6), with only a few exceptions. The need for Monitoring/Mitigation indicated at VMP-8A by the matrix output is being met through the continued operation of the SSDS. It should be noted that each of the vapor monitoring probes assigned either a Monitor or Mitigate status have consistently achieved vacuum performance criteria as demonstrated through quarterly differential pressure monitoring. In addition, none of the target VOCs was present in the indoor samples at concentrations above the NYSDOH indoor air guideline values.

Based on these findings, Stantec and Lockheed Martin propose to suspend the performance of further annual VI air sampling and analysis in the eastern one-third of the building where the SSDS is located. The protocol for the annual event is designed to guide the decision on the need for mitigation, which has already been decided in the eastern one-third of the facility. The SSDS is already operating in the eastern one-third of the building and will remain in operation until otherwise agreed to and directed by NYSDEC and NYSDOH. The routine tasks for SSDS operation, maintenance and monitoring will continue to maintain reliable operation of the system and maintain the requisite vacuum in the sub-slab environment within the area of SSDS influence in the eastern one-third of the building. If variances occur, the necessary adjustments, repairs or upgrades will be made with approval from NYSDEC, NYSDOH, and ConMed. The ongoing routine system OM&M activities will continue to provide USEPA Method TO-15 analytical results for sub-slab vapor at the vapor extraction sumps.

7.0 References

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TABLES

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-1B		SS-VMP-2B		SS-VMP-2C		SS-VMP-3A		SS-VMP-3B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Between Kitting & Molding Storage DOC		Adjacent to Leadwire Assembly - South		Adjacent to Cable Assembly		CET Warehouse		Southeast Side of CET Packaging Area	
1,1,1-Trichloroethane	µg/m^3	**0.57 NJ**	**0.78 J**	**160**	**130**	**4.8**	**4.3**	1.1 U	5.5 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**1.6**	**2.1**	**6.4**	**4.6**	**0.80 NJ**	**0.78 J**	**0.61 NJ**	7.7 U	**0.63 NJ**	**0.56 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	**0.25 NJ**	**0.37 J**	**0.42 NJ**	**0.63 J**	**0.21 NJ**	**0.21 J**	0.81 U	4.0 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	19 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**0.92 NJ**	**1.5**	**1.1**	**1.8**	**2.0**	**0.28 J**	**0.78 NJ**	4.9 U	**0.91 NJ**	0.98 U
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	**0.24 NJ**	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.27 NJ**	**0.43 J**	**0.45 NJ**	**0.76 J**	**0.66 NJ**	0.98 U	**0.24 NJ**	4.9 U	**0.29 NJ**	0.98 U
1,3-Butadiene	µg/m^3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	**0.28 NJ**	2.2 U	**0.32 NJ**	**0.78**
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	**0.27 NJ**	1.2 U	**0.19 NJ**	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U	18 U	18 U	18 U	18 U	18 U	18 U	90 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	**0.81 NJ**	0.93 U	0.93 U	0.93 U	0.93 U	**0.72 J**	**0.71 NJ**	4.7 U	**0.56 NJ**	0.93 U
2-Butanone	µg/m^3	**3.5**	**4.4**	**5.1**	**4.3**	**5.0**	**2.5**	**11**	**8.2**	1.5 U	**2.4**
2-Hexanone	µg/m^3	2.0 U	**2.0 J**	**1.1 NJ**	**1.5 J**	2.0 U	**1.8 J**	**1.5 NJ**	10 U	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.9 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.23 NJ**	**0.45 J**	**0.30 NJ**	**0.95 J**	**0.40 NJ**	**0.23 J**	**0.18 NJ**	4.9 U	**0.19 NJ**	0.98 U
4-Methyl-2-pentanone	µg/m^3	**1.5 NJ**	**1.4 J**	**2.1**	2.0 U	**1.3 NJ**	2.0 U	**1.1 NJ**	10 U	**1.1 NJ**	2.0 U
Acetone	µg/m^3	**17**	**13**	**20**	**12 J**	**25**	**9.1 J**	**120 D**	**68**	**11 NJ**	**18**
Benzene	µg/m^3	**1.1**	**0.59 J**	**0.84**	**0.47 J**	**0.78**	**0.56 J**	**1.8**	3.2 U	**1.6**	**0.87**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	**0.88 NJ**	**3.0**	**4.8**	**2.1**	**9.8**	**1.8**	1.6 U	7.8 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m^3	**0.35 J**	**0.31**	**0.35 J**	**0.34 J**	**0.51**	**0.45**	**0.57**	1.3 U	**0.51**	**0.48**
Chlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	**0.15 J**	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.6 U	1.3 U	1.3 U
Chloroform	µg/m^3	**2.6**	**2.8**	**1.7**	**2.0**	**0.78 NJ**	**2.1**	**28**	4.9 U	**3.5**	0.98 U
Chloromethane	µg/m^3	1.0 U	**0.18 J**	**7.4**	1.0 U	1.0 U	1.0 U	**1.5**	5.2 U	**1.2**	**1.1**
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	**3.2 J**	**2.2**	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**8.7**	**4.7**	**6.5 J**	**6.2**	**4.0 J**	**4.4**	**4.2**	**8.1**	**1.6**	**1.9**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.3 NJ**	**2.6**	**320 D**	**210 D**	**2.5**	**2.4 J**	**2.7**	**2.4 J**	**2.5**	**2.3 J**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.73 NJ**	**1.7 J**	**0.84 NJ**	**2.2 J**	**1.1**	**0.88 J**	**0.67 NJ**	4.3 U	**0.68 NJ**	**0.22 J**
Heptane	µg/m^3	**0.92**	**2.7**	**0.77 NJ**	**2.7**	**0.96**	**1.6**	**1.5**	4.1 U	**0.81**	**1.2**
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**77**	**67**	**35**	**86**	**52**	**90**	**1000 J**	**750 J**	**80**	**130 J**
m&p-Xylene	µg/m^3	**2.0 NJ**	**4.3**	**2.6**	**6.6**	**3.3**	**1.5 J**	**1.9 NJ**	11 U	**1.9 NJ**	**0.42 J**

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-1B		SS-VMP-2B		SS-VMP-2C		SS-VMP-3A		SS-VMP-3B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Between Kitting & Molding Storage DOC		Adjacent to Leadwire Assembly - South		Adjacent to Cable Assembly		CET Warehouse		Southeast Side of CET Packaging Area	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**11**	**4.7**	**4.8**	**4.9**	**8.7**	**12**	**400 D**	**1800 D**	**76**	**54**
n-Hexane	µg/m^3	**0.80**	**1.5**	**0.78**	**2.1**	**0.93**	**0.58 J**	**4.1**	3.5 U	**1.2**	**0.79**
o-Xylene	µg/m^3	**0.61 NJ**	**1.6**	**1.3**	**2.9**	**1.6**	**0.48 J**	**0.57 NJ**	4.3 U	**0.53 NJ**	0.87 U
Propylene	µg/m^3	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m^3	**1.8**	**1.9**	**1.8**	**3.0**	**2.3**	**0.39 J**	**0.39 NJ**	4.3 U	**1.2**	0.85 U
Tetrachloroethene	µg/m^3	**39**	**240**	**27**	**60**	**3.5**	**6.4**	**0.44 NJ**	6.8 U	**0.55 NJ**	**0.37 J**
Tetrahydrofuran	µg/m^3	**1.5 NJ**	15 U	**1.4 NJ**	**1.4 J**	**1.4 NJ**	**1.9 J**	**3.5 NJ**	73 U	**1.3 NJ**	15 U
Toluene	µg/m^3	**5.6**	**4.0**	**4.9**	**3.0**	**5.8**	**6.2**	**6.1**	3.8 U	**3.3**	**2.6**
trans-1,2-Dichloroethene	µg/m^3	**0.75 NJ**	**1.0**	**1.2**	**1.4**	**1.0**	**4.9**	0.79 U	4.0 U	0.79 U	**0.37 J**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**4.3**	**8.3**	**68**	**100**	**0.85**	**0.74**	**0.97**	1.1 U	**1.0**	**0.22**
Trichlorofluoromethane	µg/m^3	**7.4**	**6.1**	**5.4**	**2.9**	**1.6**	**1.5**	**1.5**	5.6 U	**1.6**	**1.5**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.51 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate.

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: SS-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-3D		SS-VMP-3E		SS-VMP-4		SS-VMP-5A			SS-VMP-5B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	3/25/2015*		01/15/15	03/25/15
Area:	Units	Near Southwest Side of Mold Storage		Mold Storage		Southeast Side of Mold Storage		Northwest Utica National			CET Warehouse	
1,1,1-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**8.3**	**11**	**4.4**	**0.56 NJ**	**0.52 J**
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.50 NJ**	**0.55 J**	**0.53 NJ**	**0.61 J**	**0.86 NJ**	**0.82 J**	**20**	**24**	**19**	**0.57 NJ**	**0.66 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.82 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	**1.8**	**2.2**	**2.2**	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.59 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	1.1 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**0.88 NJ**	**1.3**	**0.85 NJ**	**1.2**	**1.6**	**1.6**	**0.85 NJ**	**1.5**	**1.8**	**0.45 NJ**	**1.4 J**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.2 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.61 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.69 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.27 NJ**	**0.34 J**	**0.25 NJ**	**0.32 J**	**0.55 NJ**	**0.54 J**	**0.25 NJ**	**0.46 J**	**0.79**	**0.18 NJ**	**0.41 J**
1,3-Butadiene	µg/m^3	**0.50**	**0.81**	**0.33 NJ**	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.33 U	0.44 U	0.44 U
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 UJ	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U	18 U	18 U	18 U	18 U	18 U	18 U	**1.3 J**	1.1 UJ	18 U	**1.3 J**
2,2,4-Trimethylpentane	µg/m^3	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	**0.98**	0.70 U	0.93 U	0.93 U
2-Butanone	µg/m^3	**1.5**	**2.4**	**1.8**	**3.6**	**3.7**	**3.0**	**3.8**	**16**	**3.5 J**	**2.5**	**4.6**
2-Hexanone	µg/m^3	2.0 U	**1.5 J**	2.0 U	**2.1**	2.0 U	2.0 U	2.0 U	**2.7**	1.2 UJ	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.47 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.14 NJ**	**0.34 J**	**0.16 NJ**	**0.36 J**	**0.38 NJ**	**0.51 J**	**0.20 NJ**	**0.43 J**	**0.69 J**	**0.16 NJ**	**0.38 J**
4-Methyl-2-pentanone	µg/m^3	2.0 U	2.0 U	**0.90 NJ**	**12**	2.0 U	**0.93 J**	2.0 U	**1.3 J**	1.2 UJ	**1.6 NJ**	**1.1 J**
Acetone	µg/m^3	**14**	**49**	**23**	**30**	**15**	**13**	**160 D**	**56**	**16 J**	**11 NJ**	**28**
Benzene	µg/m^3	**1.0**	**0.78**	**0.79**	**0.67**	**1.0**	**0.72**	**1.2**	**0.52 J**	0.48 U	**1.0**	**0.59 J**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.86 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.0 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.6 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.58 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	**1.2 NJ**	**7.7**	1.6 U	**0.99 J**	0.47 U	1.6 U	**2.5**
Carbon Tetrachloride	µg/m^3	**0.50**	**0.46**	**0.44**	**0.48**	**0.31**	**0.28**	0.25 U	0.25 U	0.94 U	**0.48**	**0.48**
Chlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.69 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	**1.2 J**	1.3 U	1.3 U	1.3 U	1.3 U	0.40 U	1.3 U	1.3 U
Chloroform	µg/m^3	**0.86 NJ**	**1.1**	0.98 U	**0.51 J**	**0.67 NJ**	**0.40 J**	**56**	**73**	**65**	**7.5**	**1.3**
Chloromethane	µg/m^3	1.0 U	**1.1**	1.0 U	**1.9**	**1.1**	1.0 U	1.0 U	1.0 U	0.31 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**6.5**	0.79 U	0.59 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.68 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**1.3**	**1.6**	**0.63 NJ**	**1.5**	**6.5**	**5.6**	**1.5**	**3.6**	**2.0**	**1.7**	**5.1**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.3 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.5**	**2.3 J**	**2.6**	**2.3 J**	**2.9**	**2.4 J**	**2.2 NJ**	**2.3 J**	**2.0**	**2.6**	**2.4 J**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-	**2.6**	-	-
Ethylbenzene	µg/m^3	**0.63 NJ**	**0.65 J**	**0.63 NJ**	**1.4 J**	**0.83 NJ**	**5.2 J**	**0.62 NJ**	**0.61 J**	0.65 U	**0.62 NJ**	**0.70 J**
Heptane	µg/m^3	**0.53 NJ**	**2.0**	**0.61 NJ**	**1.9**	**0.93**	**1.5**	**1.5**	**2.8**	0.61 U	**0.96**	**1.7**
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.6 UJ	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**57**	**110 J**	**52**	**32**	**32**	**130 J**	**290 J**	**260 J**	**300**	**160 J**	**270 J**
m&p-Xylene	µg/m^3	**1.8 NJ**	**2.0 J**	**1.8 NJ**	**4.0**	**2.8**	**5.6**	**1.9 NJ**	**1.9 J**	1.3 U	**1.7 NJ**	**2.1 J**

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-3D		SS-VMP-3E		SS-VMP-4		SS-VMP-5A			SS-VMP-5B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	3/25/2015*		01/15/15	03/25/15
Area:	Units	Near Southwest Side of Mold Storage		Mold Storage		Southeast Side of Mold Storage		Northwest Utica National			CET Warehouse	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.54 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**24**	**46**	**12**	**15**	**11**	**7.8**	**160 D**	**260 D**	**440**	**130**	**410 D**
n-Hexane	µg/m^3	**0.63 NJ**	**1.3**	**0.52 NJ**	**1.4**	**0.99**	**0.42 J**	**2.0**	**1.6**	0.53 U	**1.1**	**0.73**
o-Xylene	µg/m^3	**0.54 NJ**	**0.78 J**	**0.56 NJ**	**1.4**	**1.4**	**1.7**	**0.57 NJ**	**0.72 J**	**0.52 J**	**0.46 NJ**	**0.78 J**
Propylene	µg/m^3	-	-	-	-	-	-	-	-	0.26 U	-	-
Styrene	µg/m^3	**1.2**	**1.3**	**1.0**	**2.4**	**1.9**	**3.3**	**1.1**	**0.87 J**	0.64 U	**0.77 NJ**	**0.97**
Tetrachloroethene	µg/m^3	**0.42 NJ**	**0.40 J**	**0.68 NJ**	**0.63 J**	**8.6**	**13**	**3.7**	**80**	**75**	**0.55 NJ**	**0.38 J**
Tetrahydrofuran	µg/m^3	15 U	15 U	**0.90 NJ**	15 U	**2.2 NJ**	15 U	**3.1 NJ**	15 U	**3.1**	**1.6 NJ**	**4.9 J**
Toluene	µg/m^3	**2.5**	**4.2**	**2.4**	**8.7**	**5.2**	**4.9**	**4.8**	**6.2**	**6.1**	**4.9**	**7.7**
trans-1,2-Dichloroethene	µg/m^3	0.79 U	**0.82**	0.79 U	**0.43 J**	**1.4**	**1.7**	**0.97**	**2.8**	**3.3**	0.79 U	**4.0**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.68 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**0.58**	**0.24**	**0.61**	**0.30**	**0.71**	**0.54**	**9.1**	**35**	**30**	**1.4**	**0.41**
Trichlorofluoromethane	µg/m^3	**1.6**	**1.6**	**1.4**	**1.3**	**3.9**	**2.7**	**1.4**	**1.3**	**1.3**	**1.5**	**1.3**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-	0.53 U	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.66 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.38 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate.

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: SS-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-6A		SS-VMP-6B		SS-VMP-7		SS-VMP-7A		SS-VMP-7B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Central Utica National		Central Utica National		Between Kitting & Molding Storage DOC		Southwest Utica National		Central Utica National	
1,1,1-Trichloroethane	µg/m^3	**15**	**16**	1.1 U	2.2 U	**4.6**	**4.4 J**	1.1 UJ **[7.1 J]**	**28 J [20 J]**	**1.1**	**0.83 J**
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U [1.4 U]	1.4 U [1.4 U]	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**15 J**	**19**	**1.1 NJ**	**1.1 J**	**4.7**	**4.7**	**1.1 NJ [7.9 J]**	**20 [14 J]**	**0.75 NJ**	**0.83 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U [1.1 U]	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	**43**	**49**	**0.99**	**0.94 J**	**5.5**	**5.9**	0.81 UJ **[3.5 J]**	**10 J [8.3]**	**0.15 NJ**	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U	**0.42 J**	0.79 U	1.6 U	0.79 U	0.79 U	**0.35 NJ** [0.79 U]	0.79 U [0.79 U]	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	**5.0**	3.7 U	3.7 U	7.4 U	3.7 U	3.7 U	3.7 U [3.7 U]	3.7 U [3.7 U]	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**1.9**	0.98 U	**0.94 NJ**	**1.3 J**	**1.7**	**1.1 J**	**1.2 J [1.7 J]**	**1.4 J [1.3 J]**	**0.89 NJ**	**1.0**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U [1.5 U]	1.5 U [1.5 U]	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	**6.9**	1.4 U	**0.86 NJ**	2.8 U	**8.1 J**	1.4 U	1.4 U [1.4 U]	1.4 U [1.4 U]	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	**0.77 NJ**	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U [1.2 U]	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U [0.81 U]	0.81 U [0.81 U]	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U [0.92 U]	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.54 NJ**	0.98 U	**0.31 NJ**	**0.39 J**	**0.55 NJ**	**0.35 J**	**0.51 NJ [0.66 NJ]**	**0.49 J [0.43 J]**	**0.26 NJ**	**0.29 J**
1,3-Butadiene	µg/m^3	0.44 U	0.44 U	0.44 U	0.88 U	0.44 U	0.44 U	**0.33 NJ** [0.44 U]	0.44 U [0.44 U]	0.44 U	0.44 U
1,3-Dichlorobenzene	µg/m^3	**0.19 NJ**	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U [1.2 U]	**1.7 J** [1.2 U]	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	**1.8**	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U **[0.28 J]**	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U	18 U	18 U	36 U	18 U	18 U	18 U [18 U]	**1.7 J [5.6 J]**	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	**0.80 NJ [1.1 J]**	0.93 U [0.93 U]	0.93 U	0.93 U
2-Butanone	µg/m^3	**5.0**	**6.4**	**3.8**	**5.7**	**8.5**	**4.2**	**4.9 J [9.1 J]**	**7.0 J [24 J]**	**3.3**	**4.5**
2-Hexanone	µg/m^3	2.0 U	2.0 U	2.0 U	4.1 U	2.0 U	2.0 U	2.0 U **[1.5 NJ]**	2.0 UJ **[5.4 J]**	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	3.1 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U [1.6 U]	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.58 NJ**	0.98 U	**0.23 NJ**	**0.41 J**	**0.35 NJ**	**0.38 J**	**0.53 NJ [0.56 NJ]**	**0.54 J [0.39 J]**	**0.18 NJ**	**0.28 J**
4-Methyl-2-pentanone	µg/m^3	**1.9 NJ**	**0.77 J**	**2.0**	4.1 U	2.0 U	2.0 U	2.0 U **[1.2 NJ]**	**0.97 J [20 J]**	**1.8 NJ**	**1.3 J**
Acetone	µg/m^3	**24**	**23**	**16**	**17 J**	**21**	**11 J**	**28 J [41 J]**	**22 [23]**	**14**	**11 J**
Benzene	µg/m^3	**1.3**	**0.48 J**	**1.2**	**0.70 J**	**1.0**	**0.58 J**	**1.7 [2.1]**	**0.57 J [0.82 J]**	**1.2**	**0.55 J**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U [1.3 U]	**1.5 J [0.94 J]**	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U [2.1 U]	2.1 U [2.1 U]	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 UJ **[1.4 J]**	0.78 U [0.78 U]	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	**0.99 NJ**	**0.68 J**	1.6 U	3.1 U	**1.1 NJ**	1.6 U	1.6 U [1.6 U]	1.6 U **[1.8]**	1.6 U	**0.49 J**
Carbon Tetrachloride	µg/m^3	**0.43**	**0.39**	**0.47**	**0.43 J**	**0.34 J**	0.25 U	**0.53 [0.51]**	**0.46 J [0.35 J]**	**0.51**	**0.37**
Chlorobenzene	µg/m^3	**0.77 NJ**	0.92 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U [0.92 U]	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	2.6 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U **[0.42 J]**	1.3 U	1.3 U
Chloroform	µg/m^3	**39**	**22**	**16**	**1.7 J**	**15**	**0.70 J**	**56 [56]**	**57 J [44 J]**	**16**	**3.8**
Chloromethane	µg/m^3	**0.51 NJ**	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	**2.0 J [1.5 J]**	1.0 U **[1.6]**	1.0 U	**0.22 J**
cis-1,2-Dichloroethene	µg/m^3	**4.2**	**3.2**	0.79 U	1.6 U	0.79 U	0.79 U	0.79 UJ **[0.98 J]**	**5.1 J [3.6 J]**	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U [0.91 U]	0.91 U	0.91 U
Cyclohexane	µg/m^3	**5.2**	**18**	**3.6**	**20**	**2.6**	**15**	**11 [9]**	**13 J [10 J]**	**4.5**	**12**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U [1.7 U]	1.7 U [1.7 U]	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**12**	**10**	**6.1**	**5.0**	**84**	**64**	**2.7 J [20 J]**	**33 J [18 J]**	**2.4 NJ**	**1.5 J**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**1.2**	0.87 U	**0.69 NJ**	**0.88 J**	**0.86**	**0.75 J**	**0.77 NJ [1.3 J]**	**0.70 J [0.89 J]**	**0.73 NJ**	**0.65 J**
Heptane	µg/m^3	**1.0**	**1.1**	**1.2**	**1.8**	**1.4**	**1.3**	**1.6 [1.6]**	**1.2 [1.3]**	**1.2**	**1.5**
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U [2.1 U]	2.1 U [2.1 U]	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**440 D**	**420 J**	**220 D**	**390 J**	**110 D**	**200 J**	**1800 J [1200 J]**	**280 J [260 J]**	**190 D**	**320 J**
m&p-Xylene	µg/m^3	**3.6**	2.2 U	**1.9 NJ**	**2.3 J**	**2.9**	**2.0 J**	**1.7 NJ [3.7 J]**	**1.7 J [2.5 J]**	**1.9 NJ**	**1.8 J**

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-6A		SS-VMP-6B		SS-VMP-7		SS-VMP-7A		SS-VMP-7B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Central Utica National		Central Utica National		Between Kitting & Molding Storage DOC		Southwest Utica National		Central Utica National	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U [0.72 U]	0.72 U [0.72 U]	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**310 D**	**440 D**	**320 D**	**520 D**	**220 D**	**310 D**	**670 D [550 J]**	**290 D [260 D]**	**230 D**	**260 D**
n-Hexane	µg/m^3	**1.2**	**1.1**	**1.3**	**0.96 J**	**2.1**	**0.72**	**3.4 [2.7]**	**0.68 J [0.62 J]**	**1.2**	**0.70**
o-Xylene	µg/m^3	**1.2**	0.87 U	**0.60 NJ**	**0.89 J**	**1.5**	**0.76 J**	**0.60 NJ [1.4 J]**	**0.69 J [0.92]**	**0.56 NJ**	**0.76 J**
Propylene	µg/m^3	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m^3	**1.2**	0.85 U	**1.2**	**1.8**	**1.5**	**1.7**	**1.3 [1.4]**	**1.9 J [1.3]**	**1.2**	**1.3**
Tetrachloroethene	µg/m^3	**2.0 J**	**1.9**	**1.3 NJ**	**1.7 J**	**1.0 NJ**	**0.68 J**	1.4 U **[0.50 NJ]**	**40 J [28]**	**0.93 NJ**	**1.7**
Tetrahydrofuran	µg/m^3	**3.3 NJ**	**13 J**	**2.8 NJ**	**14 J**	**18**	**7.1 J**	**6.5 NJ [6.7 NJ]**	**8.9 J [9.2 J]**	**2.5 NJ**	**11 J**
Toluene	µg/m^3	**8.8**	**0.90**	**5.3**	**6.0**	**4.4**	**5.7**	**9.8 [9.9]**	**6.0 [5.8]**	**5.4**	**5.1**
trans-1,2-Dichloroethene	µg/m^3	**0.56 NJ**	**3.2**	**0.95**	**3.2**	0.79 U	**0.64 J**	**0.38 NJ [0.53 NJ]**	**3.3 J [2.4]**	**0.52 NJ**	**0.82**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U [0.91 U]	0.91 U [0.91 U]	0.91 U	0.91 U
Trichloroethene	µg/m^3	**36**	**46**	**0.68**	0.43 U	**0.71**	**0.30**	**1.4 J [4.7 J]**	**100 [84]**	**2.1**	**2.0**
Trichlorofluoromethane	µg/m^3	**6.7**	**5.2**	**1.7**	**1.4 J**	**8.4**	**7.2**	**1.8 J [3.5 J]**	**6.1 J [3.6]**	**1.4**	**0.88 J**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	1.7 U	0.87 U	0.87 U	0.87 U [0.87 U]	0.87 U [0.87 U]	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U [0.10 U]	0.10 U [0.10 U]	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate.

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: SS-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-8A		SS-VMP-8B		SS-VMP-8C	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Southwest Utica National		Hallway outside Molding Offices		Molding Offices	
1,1,1-Trichloroethane	µg/m^3	**22**	**31**	**0.69 NJ**	**0.56 J**	**3.3**	**1.1**
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**53**	**76**	**1.3 NJ**	**1.2 J**	**0.74 NJ**	**0.69 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	**2.3**	**3.3**	**0.20 NJ**	**0.25 J**	**0.35 NJ**	**0.24 J**
1,1-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	**0.29 J**	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**0.32 NJ**	**1.0 J**	**0.91 NJ**	**0.21 J**	**1.0**	**1.2**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	0.98 U	**0.33 J**	**0.27 NJ**	**0.11 J**	**0.32 NJ**	**0.30 J**
1,3-Butadiene	µg/m^3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	**0.80 NJ**	**11 J**	18 U	18 U	18 U	**4.0 J**
2,2,4-Trimethylpentane	µg/m^3	0.93 U	0.93 U	**0.96**	0.93 U	**1.1**	0.93 U
2-Butanone	µg/m^3	**5.7**	**6.8**	**5.7**	**8.6**	**4.3**	**5.9**
2-Hexanone	µg/m^3	2.0 U	**1.3 J**	**0.92 NJ**	**1.5 J**	**0.79 NJ**	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	0.98 U	**0.26 J**	**0.19 NJ**	0.98 U	**0.20 NJ**	**0.27 J**
4-Methyl-2-pentanone	µg/m^3	**1.7 NJ**	**1.0 J**	**1.2 NJ**	**1.1 J**	**1.7 NJ**	**1.4 J**
Acetone	µg/m^3	**26**	**22**	**28**	**18**	**22**	**13**
Benzene	µg/m^3	**1.2**	**0.73 J**	**1.4**	**0.62**	**1.1**	**0.57 J**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	**0.99 J**	1.3 U	**0.93 J**	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	**2.7**	**4.8**	1.6 U	**3.9**	1.6 U	**0.67 J**
Carbon Tetrachloride	µg/m^3	**0.47 J**	**0.32**	**0.53**	**0.33**	**0.51 J**	**0.31**
Chlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m^3	**56**	**43**	**47**	**36**	**7.3**	**7.5**
Chloromethane	µg/m^3	1.0 U	**1.4**	1.0 U	**0.33 J**	1.0 U	**0.21 J**
cis-1,2-Dichloroethene	µg/m^3	**6.3**	**9.9**	**0.38 NJ**	**0.46 J**	**0.74 NJ**	**0.62 J**
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**4.4**	**14**	**2.9**	**1.7**	**1.6**	**1.1**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**19**	**14**	**2.7**	**1.5 J**	**2.6**	**1.5 J**
Ethyl acetate	µg/m^3	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.53 NJ**	**0.64 J**	**0.65 NJ**	**0.59 J**	**0.70 NJ**	**0.56 J**
Heptane	µg/m^3	**1.3**	**1.8**	**1.5**	**2.9**	**1.0**	**2.2**
Hexachlorobutadiene	µg/m^3	2.1 U	**0.47 J**	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**210 D**	**460 J**	**260 D**	**300 J**	**82**	**150 J**
m&p-Xylene	µg/m^3	**1.2 NJ**	**1.8 J**	**1.8 J**	**1.5 J**	**2.0 NJ**	**1.7 J**

Table 1. Concentrations of Volatile Organic Compounds in Sub-Slab Soil Gas - January and March 2015

Location ID:		SS-VMP-8A		SS-VMP-8B		SS-VMP-8C	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Southwest Utica National		Hallway outside Molding Offices		Molding Offices	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**340 D**	**380 D**	**150 D**	**120**	**41**	**32**
n-Hexane	µg/m^3	**1.3**	**0.95**	**1.4**	**1.6**	**0.91**	**0.95**
o-Xylene	µg/m^3	**0.32 NJ**	**0.81 J**	**0.57 NJ**	**0.56 J**	**0.64 NJ**	**0.72 J**
Propylene	µg/m^3	-	-	-	-	-	-
Styrene	µg/m^3	**0.52 NJ**	**0.92**	**1.3**	0.85 U	**1.3**	**0.68 J**
Tetrachloroethene	µg/m^3	**1.9**	**10**	**0.69 NJ**	**0.73 J**	**0.91 NJ**	**0.78 J**
Tetrahydrofuran	µg/m^3	**3.5 NJ**	**9.7 J**	**3.0 NJ**	**6.3 J**	**1.9 NJ**	**18**
Toluene	µg/m^3	**5.1**	**5.9**	**4.5**	**6.7**	**3.8**	**5.6**
trans-1,2-Dichloroethene	µg/m^3	**1.1**	**2.2**	**0.71 NJ**	**5.0**	**2.2**	**8.7**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**96**	**190**	**1.8**	**3.1**	**4.2**	**3.7**
Trichlorofluoromethane	µg/m^3	**15**	**14**	**1.5**	**0.86 J**	**1.4**	**0.89 J**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate.

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: SS-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-1B		IA-VMP-2B		IA-VMP-2C		IA-VMP-3A		IA-VMP-3B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Between Kitting & Molding Storage DOC		Adjacent to Leadwire Assembly - South		Adjacent to Cable Assembly		CET Warehouse		Southeast Side of CET Packaging Area	
1,1,1-Trichloroethane	µg/m^3	1.1 U [1.1 U]	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U [1.4 U]	1.4 U [1.4 U]	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.55 NJ [0.49 NJ]**	**0.60 J [0.57 J]**	**0.52 NJ**	**0.57 J**	**0.46 NJ**	**0.58 J**	**0.53 NJ**	**0.66 J**	**0.51 NJ**	**0.57 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U [1.1 U]	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U [0.81 U]	0.81 U [0.81 U]	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U [0.79 U]	0.79 U [0.79 U]	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**1.2**	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U [3.7 U]	3.7 UJ [3.7 UJ]	3.7 U	3.7 UJ	3.7 U	3.7 UJ	3.7 U	3.7 U	3.7 U	3.7 UJ
1,2,4-Trimethylbenzene	µg/m^3	**0.52 NJ [0.70 NJ]**	**3.6 J [5.6 J]**	**2.9**	**9.1**	**3.0**	**11**	**1.4**	**1.4**	**0.71 NJ**	**0.32 J**
1,2-Dibromoethane	µg/m^3	1.5 U [1.5 U]	1.5 U [1.5 U]	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U [1.4 U]	1.4 U [1.4 U]	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U [1.2 U]	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U [0.81 U]	0.81 U [0.81 U]	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U [0.92 U]	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.26 NJ [0.25 NJ]**	**2.1 J [3.0 J]**	**1.5**	**4.9**	**1.6**	**6.0**	**0.54 NJ**	**0.69 J**	**0.23 NJ**	0.98 U
1,3-Butadiene	µg/m^3	**0.95 [0.79]**	**0.61 [0.62]**	**1.2**	**1.5**	**0.83**	**1.3**	**0.35 NJ**	**0.35 J**	**0.36 NJ**	**1.1**
1,3-Dichlorobenzene	µg/m^3	1.2 U [1.2 U]	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U [1.2 U]	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U **[0.77 NJ]**	18 U [18 U]	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	**0.71 NJ [0.78 NJ]**	0.93 U [0.93 U]	**1.2**	0.93 U	**0.60 NJ**	0.93 U	**0.98**	0.93 U	**0.69 NJ**	0.93 U
2-Butanone	µg/m^3	1.5 U **[1.4 NJ]**	1.5 U [1.5 U]	**1.8**	**1.7**	1.5 U	1.5 U	**4.4**	**3.2**	**1.7**	1.5 U
2-Hexanone	µg/m^3	2.0 U [2.0 U]	2.0 U [2.0 U]	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U [1.6 U]	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.32 NJ [0.31 NJ]**	**2.4 J [3.4 J]**	**1.7**	**5.7**	**1.8**	**6.8**	**0.62 NJ**	**0.76 J**	**0.24 NJ**	0.98 U
4-Methyl-2-pentanone	µg/m^3	2.0 U [2.0 U]	2.0 U [2.0 U]	2.0 U	2.0 U	2.0 U	2.0 U	**0.81 NJ**	2.0 U	2.0 U	2.0 U
Acetone	µg/m^3	**15 [13]**	**12 J [11 J]**	**18**	**16**	**12**	**12**	**34**	**28**	**15**	**14**
Benzene	µg/m^3	**1.7 [1.7]**	**0.74 [0.70]**	**1.5**	**0.79**	**1.5**	**0.81**	**2.1**	**0.85**	**1.6**	**0.75**
Benzyl Chloride	µg/m^3	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U [1.3 U]	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U [2.1 U]	2.1 U [2.1 U]	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U [0.78 U]	0.78 U [0.78 U]	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	1.6 U **[2.1]**	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m^3	**0.53 [0.43]**	**0.49 [0.46]**	**0.54**	**0.34**	**0.48**	**0.46**	**0.51**	**0.46**	**0.50**	**0.45**
Chlorobenzene	µg/m^3	0.92 U [0.92 U]	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U [1.3 U]	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m^3	**1.3 [1.1]**	0.98 U [0.98 U]	**1.5**	0.98 U	**1.5**	0.98 U	**34**	**0.79 J**	**3.2**	0.98 U
Chloromethane	µg/m^3	**1.5 [1.3]**	**1.9 [1.8]**	**1.2**	**1.7**	**1.3**	**1.7**	**1.5**	**2.0**	**1.3**	**1.5**
cis-1,2-Dichloroethene	µg/m^3	0.79 U [0.79 U]	0.79 U [0.79 U]	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U [0.91 U]	0.91 U [0.91 U]	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**18 [18]**	**13 [12]**	**10**	**6.9**	**11**	**7.6**	**4.5**	**22**	**1.0**	**0.97**
Dibromochloromethane	µg/m^3	1.7 U [1.7 U]	1.7 U [1.7 U]	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.6 [2.2 NJ]**	**3.6 [3.4]**	**2.7**	**3.2**	**2.7**	**3.3**	**2.5**	**3.3**	**2.7**	**2.9**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.66 NJ [0.53 NJ]**	**0.38 J [0.41 J]**	**0.61 NJ**	**0.33 J**	**0.63 NJ**	**0.35 J**	**0.79 NJ**	**0.48 J**	**0.58 NJ**	**0.33 J**
Heptane	µg/m^3	**0.77 NJ [0.67 NJ]**	**0.33 J [0.31 J]**	**0.69 NJ**	**0.44 J**	**0.73 NJ**	**0.39 J**	**1.6**	**2.1**	**0.75 NJ**	**0.32 J**
Hexachlorobutadiene	µg/m^3	2.1 U [2.1 U]	2.1 U [2.1 U]	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**470 J [590 J]**	**630 J [610 J]**	**700 J**	**640 J**	**700 J**	**660 J**	**1700 J**	**2400 J**	**200 J**	**340 J**
m&p-Xylene	µg/m^3	**1.6 NJ [1.2 NJ]**	**0.51 J [0.62 J]**	**1.5 NJ**	**0.59 J**	**1.6 NJ**	**0.65 J**	**2.2**	**0.94 J**	**1.5 NJ**	**0.52 J**

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-1B		IA-VMP-2B		IA-VMP-2C		IA-VMP-3A		IA-VMP-3B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Between Kitting & Molding Storage DOC		Adjacent to Leadwire Assembly - South		Adjacent to Cable Assembly		CET Warehouse		Southeast Side of CET Packaging Area	
Methyl tert-butyl ether	µg/m^3	0.72 U [0.72 U]	0.72 U [0.72 U]	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**22 [24]**	**5.4 [5.1]**	**24**	**4.6**	**26**	**4.3**	**500 D**	**1800 D**	**57**	**52**
n-Hexane	µg/m^3	**1.1 [0.99]**	**0.23 J [0.26 J]**	**0.97**	**0.32 J**	**1.0**	**0.28 J**	**5.6**	**2.8**	**1.4**	**0.31 J**
o-Xylene	µg/m^3	**0.56 NJ [0.46 NJ]**	**0.34 J [0.41 J]**	**0.64 NJ**	**0.54 J**	**0.64 NJ**	**0.62 J**	**0.78 NJ**	**0.35 J**	**0.54 NJ**	**0.19 J**
Propylene	µg/m^3	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m^3	**3.8 J [0.36 NJ]**	**2.2 J [3.0 J]**	**3.8**	**2.9**	**3.7**	**3.7**	**0.71 NJ**	**1.9**	**0.97**	**1.6**
Tetrachloroethene	µg/m^3	**0.27 NJ [0.20 NJ]**	1.4 U [1.4 U]	**0.48 NJ**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.29 J**
Tetrahydrofuran	µg/m^3	15 U **[0.79 NJ]**	**1.2 J [1.1 J]**	15 U	**2.3 J**	15 U	**3.1 J**	**5.5 NJ**	**14 J**	15 U	15 U
Toluene	µg/m^3	**7.2 [5.8]**	**2.3 [2.3]**	**6.1**	**2.0**	**6.3**	**2.2**	**8.7**	**9.1**	**3.4**	**2.2**
trans-1,2-Dichloroethene	µg/m^3	**0.79 U [0.24 NJ]**	**1.5 [1.5]**	0.79 U	**1.7**	0.79 U	0.79 U	0.79 U	**0.56 J**	0.79 U	0.79 U
trans-1,3-Dichloropropene	µg/m^3	0.91 U [0.91 U]	0.91 U [0.91 U]	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**1.3 [1.2]**	0.21 U [0.21 U]	**1.4**	0.21 U	**1.4**	0.21 U	**1.5**	0.21 U	**2.0**	0.21 U
Trichlorofluoromethane	µg/m^3	**1.7 [1.6]**	**2.2 [2.1]**	**1.7**	**1.7**	**1.7**	**1.8**	**1.5**	**1.7**	**1.5**	**1.6**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U [0.87 U]	0.87 U [0.87 U]	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U [0.10 U]	0.10 U [0.10 U]	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: IA-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-3D		IA-VMP-3E		IA-VMP-4		IA-VMP-5A			IA-VMP-5B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	3/25/2015*		01/15/15	03/25/15
Area:	Units	Near Southwest Side of Mold Storage		Mold Storage		Southeast Side of Mold Storage		Northwest Utica National			CET Warehouse	
1,1,1-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.82 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.46 NJ**	**0.59 J**	**0.57 NJ**	**0.61 J**	**0.55 NJ**	**0.57 J**	**0.52 NJ**	**0.59 J**	1.1 U	**0.49 NJ**	**0.69 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.82 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.61 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**0.99**	**0.99**	0.79 U	**1.3**
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 UJ	3.7 U	3.7 UJ	3.7 U	3.7 UJ	3.7 U	3.7 UJ	1.1 U	3.7 U	3.7 UJ
1,2,4-Trimethylbenzene	µg/m^3	**0.74 NJ**	**0.28 J**	**2.3**	0.98 U	**1.8**	**14**	**1.3**	**1.5**	**1.8**	**1.3**	**1.5**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.2 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.61 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.69 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.21 NJ**	0.98 U	**0.83 NJ**	0.98 U	**1.0**	**7.4**	**0.51 NJ**	**0.74 J**	**0.98**	**0.47 NJ**	**0.76 J**
1,3-Butadiene	µg/m^3	**0.33 NJ**	**1.1**	**0.29 NJ**	**0.38 J**	**0.73**	**2.6**	**0.22 NJ**	**0.30 J**	0.33 U	**0.24 NJ**	**0.33 J**
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	1.1 UJ	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	**0.54 NJ**	0.93 U	**0.53 NJ**	0.93 U	**0.53 NJ**	0.93 U	**0.71 NJ**	0.93 U	0.70 U	**0.74 NJ**	0.93 U
2-Butanone	µg/m^3	**2.0**	1.5 U	1.5 U	**2.2**	1.5 U	**1.5**	**4.6**	**3.7**	**3.4 J**	**4.0**	**4.7**
2-Hexanone	µg/m^3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.2 UJ	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.47 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.25 NJ**	**0.18 J**	**0.71 NJ**	0.98 U	**1.2**	**8.1**	**0.60 NJ**	**0.85 J**	**1.0 J**	**0.52 NJ**	**0.99**
4-Methyl-2-pentanone	µg/m^3	2.0 U	**57**	2.0 U	2.0 U	2.0 U	2.0 U	**1.3 NJ**	2.0 U	1.2 UJ	**0.79 NJ**	2.0 U
Acetone	µg/m^3	**19**	**18**	**18**	**39**	**21**	**13**	**37**	**42**	**31 J**	**34**	**31**
Benzene	µg/m^3	**1.4**	**0.79**	**1.4**	**0.77**	**1.4**	**0.78**	**1.6**	**0.85**	0.48 U	**1.7**	**0.92**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.86 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.0 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.6 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.58 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	**0.96 NJ**	1.6 U	1.6 U	1.6 U	0.47 U	**1.2 NJ**	1.6 U
Carbon Tetrachloride	µg/m^3	**0.48 J**	**0.46**	**0.52 J**	**0.47**	**0.51**	**0.15 J**	**0.49**	**0.43**	**0.44 J**	**0.51**	**0.48**
Chlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.69 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.40 U	1.3 U	1.3 U
Chloroform	µg/m^3	**3.2**	0.98 U	**2.2**	**0.77 J**	**2.0**	0.98 U	**40**	**0.83 J**	**1.0**	**34**	**0.82 J**
Chloromethane	µg/m^3	**1.1**	**1.7**	**1.2**	**1.9**	**1.4**	**1.5**	**1.2**	**1.9**	**0.91**	**1.5**	**1.9**
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.59 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.68 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**1.1**	**0.74**	**1.3**	**0.62 J**	**13**	**8.8**	**3.1**	**18**	**20**	**4.6**	**23**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.3 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.7**	**3.1**	**2.4 NJ**	**3.3**	**2.6**	**3.0**	**2.6**	**3.0**	**1.9**	**2.6**	**3.1**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-	0.90 U	-	-
Ethylbenzene	µg/m^3	**0.50 NJ**	**0.49 J**	**0.58 NJ**	**0.44 J**	**0.56 NJ**	**0.37 J**	**0.61 NJ**	**0.61 J**	**0.43 J**	**0.64 NJ**	**0.52 J**
Heptane	µg/m^3	**0.63 NJ**	**0.32 J**	**0.50 NJ**	**0.35 J**	**0.72 NJ**	**0.41 J**	**2.3**	**3.5**	**2.5**	**1.8**	**2.0**
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.6 UJ	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**200 J**	**360 J**	**290 J**	**380 J**	**300 J**	**670 J**	**2100 J**	**2100 J**	**1300**	**1500 J**	**2200 J**
m&p-Xylene	µg/m^3	**1.3 NJ**	**1.2 J**	**1.6 NJ**	**0.90 J**	**1.3 NJ**	**0.68 J**	**1.7 NJ**	**1.5 J**	**0.74 J**	**1.8 NJ**	**1.0 J**

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-3D		IA-VMP-3E		IA-VMP-4		IA-VMP-5A			IA-VMP-5B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	3/25/2015*		01/15/15	03/25/15
Area:	Units	Near Southwest Side of Mold Storage		Mold Storage		Southeast Side of Mold Storage		Northwest Utica National			CET Warehouse	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.54 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**55**	**36**	**31**	**9.1**	**35**	**3.5**	**510 D**	**1500 D**	**1900**	**460 D**	**2000 D**
n-Hexane	µg/m^3	**1.1**	**0.28 J**	**0.89**	0.70 U	**0.96**	**0.26 J**	**6.3**	**5.7**	**3.6**	**4.9**	**2.6**
o-Xylene	µg/m^3	**0.44 NJ**	**0.45 J**	**0.54 NJ**	0.87 U	**0.52 NJ**	**0.75 J**	**0.56 NJ**	**0.50 J**	0.65 U	**0.60 NJ**	**0.37 J**
Propylene	µg/m^3	-	-	-	-	-	-	-	-	0.26 U	-	-
Styrene	µg/m^3	**1.2**	**1.2**	**0.92**	**1.0**	**1.3**	**4.1**	**0.48 NJ**	**1.7**	**1.5**	**0.66 NJ**	**2.0**
Tetrachloroethene	µg/m^3	**0.22 NJ**	1.4 U	**0.49 NJ**	**0.39 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.4 U
Tetrahydrofuran	µg/m^3	15 U	15 U	15 U	15 U	15 U	**5.7 J**	**5.1 NJ**	**11 J**	**8.3**	**4.4 NJ**	**15 J**
Toluene	µg/m^3	**2.9**	**2.0**	**2.6**	**1.7**	**6.1**	**2.2**	**8.6**	**9.3**	**7.5**	**9.3**	**9.3**
trans-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**0.34 NJ**	**0.55 J**	0.59 U	0.79 U	**0.64 J**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.68 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**2.2**	0.21 U	**2.1**	0.21 U	**1.4**	0.21 U	**27**	0.21 U	0.21 U	**1.3**	0.21 U
Trichlorofluoromethane	µg/m^3	**1.6**	**1.7**	**1.5**	**1.7**	**1.5**	**1.8**	**1.4**	**1.6**	**1.3**	**1.4**	**1.7**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-	0.53 U	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.66 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: IA-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-6A		IA-VMP-6B		IA-VMP-7		IA-VMP-7A		IA-VMP-7B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Central Utica National		Central Utica National		Between Kitting & Molding Storage DOC		Southwest Utica National		Central Utica National	
1,1,1-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.47 NJ**	**0.60 J**	**0.54 NJ**	**0.56 J**	**0.54 NJ**	**0.56 J**	**0.49 NJ**	**0.56 J**	**0.49 NJ**	**0.51 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	**0.46 NJ**	**0.65 J**	**0.58 NJ**	**0.93**	**0.49 NJ**	**0.70 J**	**0.42 NJ**	**0.65 J**	**0.44 NJ**	**0.56 J**
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 UJ	3.7 U	3.7 UJ	3.7 U	3.7 UJ	3.7 U	3.7 UJ	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**1.4**	**1.6**	**1.3**	**1.4**	**1.5**	**1.4**	**1.7**	**1.5**	**1.3**	**1.3**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.54 NJ**	**0.84 J**	**0.49 NJ**	**0.72 J**	**0.56 NJ**	**0.75 J**	**0.65 NJ**	**0.73 J**	**0.49 NJ**	**0.72 J**
1,3-Butadiene	µg/m^3	**0.43 NJ**	**0.24 J**	**0.39 NJ**	**0.26 J**	**0.36 NJ**	**0.29 J**	**0.39 NJ**	**0.27 J**	**0.33 NJ**	**0.24 J**
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	**2.7 NJ**	18 U	18 U	18 U	18 U	18 U	18 U	18 U	**0.87 NJ**	18 U
2,2,4-Trimethylpentane	µg/m^3	**1.5**	0.93 U	**0.81 NJ**	0.93 U	**1.0**	0.93 U	**1.0**	0.93 U	**0.87 NJ**	0.93 U
2-Butanone	µg/m^3	**5.8**	**5.4**	**3.5**	**3.5**	**4.2**	**3.8**	**7.2**	**4.9**	**5.8**	**3.8**
2-Hexanone	µg/m^3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.61 NJ**	**0.97**	**0.64 NJ**	**0.95 J**	**0.64 NJ**	**0.82 J**	**0.74 NJ**	**0.83 J**	**0.58 NJ**	**0.75 J**
4-Methyl-2-pentanone	µg/m^3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	µg/m^3	**43**	**35**	**28**	**26**	**27**	**23**	**44**	**29**	**50**	**32**
Benzene	µg/m^3	**2.0**	**0.87**	**1.8**	**0.79**	**2.0**	**0.86**	**2.2**	**0.82**	**1.9**	**0.77**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	**1.3**	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	**0.76 NJ**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	**11**	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m^3	**0.45 J**	**0.46**	**0.52**	**0.43**	**0.51**	**0.42**	**0.53**	**0.45**	**0.50 J**	**0.40**
Chlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	**0.11 J**
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m^3	**63**	**1.6**	**50**	**0.72 J**	**60**	**0.73 J**	**79**	**0.98**	**53**	**0.63 J**
Chloromethane	µg/m^3	**1.8**	**1.7**	**1.8**	**1.8**	**1.7**	**1.8**	**1.8**	**1.9**	**1.7**	**1.4**
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**11**	**36**	**11**	**38**	**11**	**41**	**11**	**42**	**13**	**36**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.7**	**3.1**	**2.6**	**3.0**	**2.5**	**3.2**	**2.6**	**3.3**	**2.7**	**1.9 J**
Ethyl acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.84 NJ**	**0.49 J**	**0.77 NJ**	**0.50 J**	**0.88**	**0.45 J**	**0.95**	**0.47 J**	**0.87**	**0.43 J**
Heptane	µg/m^3	**1.8**	**2.7**	**1.4**	**1.6**	**1.4**	**1.4**	**1.7**	**1.7**	**1.6**	**1.2**
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.41 J**
Isopropyl alcohol	µg/m^3	**2100 J**	**2000 J**	**2100 J**	**1900 J**	**1900 J**	**1700 J**	**1700 J**	**1800 J**	**1800 J**	**2700 J**
m&p-Xylene	µg/m^3	**2.0 NJ**	**0.89 J**	**1.8 NJ**	**0.95 J**	**2.0 NJ**	**0.75 J**	**2.3**	**0.79 J**	**1.9 NJ**	**0.64 J**

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-6A		IA-VMP-6B		IA-VMP-7		IA-VMP-7A		IA-VMP-7B	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Central Utica National		Central Utica National		Between Kitting & Molding Storage DOC		Southwest Utica National		Central Utica National	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**750 D**	**1300 D**	**860 D**	**1500 D**	**730 D**	**1000 D**	**740 D**	**1000 D**	**700 D**	**990 D**
n-Hexane	µg/m^3	**3.5**	**3.9**	**3.7**	**2.6**	**3.6**	**2.0**	**4.0**	**2.6**	**3.4**	**1.7**
o-Xylene	µg/m^3	**0.74 NJ**	**0.37 J**	**0.61 NJ**	**0.38 J**	**0.73 NJ**	**0.31 J**	**0.82 NJ**	**0.32 J**	**0.66 NJ**	**0.26 J**
Propylene	µg/m^3	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m^3	**1.6**	**1.7**	**1.5**	**2.1**	**1.7**	**1.9**	**1.8**	**2.0**	**1.5 J**	**1.8**
Tetrachloroethene	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.24 NJ**	1.4 U	**0.50 NJ**	1.4 U
Tetrahydrofuran	µg/m^3	**6.1 NJ**	**14 J**	**5.0 NJ**	**16 J**	**5.6 NJ**	**17**	**7.0 NJ**	**16 J**	**5.3 NJ**	**15 J**
Toluene	µg/m^3	**8.6**	**6.5**	**9.3**	**4.9**	**9.2**	**4.2**	**9.8**	**4.7**	**8.9**	**3.5**
trans-1,2-Dichloroethene	µg/m^3	**0.43 NJ**	**0.78**	**0.37 NJ**	**0.57 J**	**0.39 NJ**	**0.71 J**	**0.41 NJ**	**0.70 J**	**0.42 NJ**	**0.70 J**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**1.3**	0.21 U	**1.4**	0.21 U	**1.3**	0.21 U	**1.4**	0.21 U	**5.6**	0.21 U
Trichlorofluoromethane	µg/m^3	**1.5**	**1.7**	**1.6**	**1.6**	**1.7**	**1.7**	**1.6**	**1.7**	**1.6**	**1.4**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: IA-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-8A		IA-VMP-8B		IA-VMP-8C	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Southwest Utica National		Hallway outside Molding Offices		Molding Offices	
1,1,1-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	**0.71 NJ**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.47 NJ**	**0.52 J**	**0.45 NJ**	**0.48 J**	**0.90 NJ**	**0.45 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	**0.40 NJ**	**0.59 J**	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m^3	**0.71 NJ**	**0.24 J**	**1.1**	**2.9**	**0.65 NJ**	**0.74 J**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.38 NJ**	**0.19 J**	**0.49 NJ**	**0.75 J**	**0.23 NJ**	**0.21 J**
1,3-Butadiene	µg/m^3	**0.37 NJ**	**0.24 J**	**0.30 NJ**	**0.13 J**	**0.26 NJ**	0.44 U
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U	**1.1 J**	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	**0.96 NJ**	18 U	18 U	**12 J**	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	**0.89 NJ**	**0.25 J**	**0.93**	0.93 U	**0.77 NJ**	**0.39 J**
2-Butanone	µg/m^3	**5.7**	**4.0**	**4.1**	**14**	**2.6**	**2.0**
2-Hexanone	µg/m^3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.47 NJ**	**0.28 J**	**0.58 NJ**	**0.62 J**	0.98 U	0.98 U
4-Methyl-2-pentanone	µg/m^3	2.0 U	2.0 U	2.0 U	**2.7**	2.0 U	2.0 U
Acetone	µg/m^3	**39**	**22**	**42**	**28**	**27**	**13**
Benzene	µg/m^3	**1.9**	**0.84**	**1.9**	**0.74**	**1.7**	**0.76**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	**1.4 NJ**	1.6 U	1.6 U	**0.79 J**	**0.29 NJ**	1.6 U
Carbon Tetrachloride	µg/m^3	**0.44**	**0.39**	**0.48**	**0.35**	**0.46**	**0.41**
Chlorobenzene	µg/m^3	0.92 U	**0.12 J**	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m^3	**77**	**0.91 J**	**53**	**1.1**	**9.0**	**0.74 J**
Chloromethane	µg/m^3	**1.6**	**1.3**	**1.3**	**1.5**	**1.4**	**1.2**
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U	0.79 U	**0.62 NJ**	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**10**	**34**	**5.9**	**2.7**	**3.1**	**3.6**
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.6**	**2.0 J**	**2.9**	**2.1 J**	**2.4 NJ**	**2.0 J**
Ethyl acetate	µg/m^3	-	-	-	-	-	-
Ethylbenzene	µg/m^3	**0.76 NJ**	**0.33 J**	**0.75 NJ**	**1.3**	**0.50 NJ**	**1.1**
Heptane	µg/m^3	**1.6**	**1.4**	**1.2**	**1.3**	**1.2**	**0.64 J**
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**2000 J**	**2700 J**	**1100 J**	**1600 J**	**490 J**	**440 J**
m&p-Xylene	µg/m^3	**1.6 NJ**	**0.53 J**	**1.9 NJ**	**2.7**	**1.5 NJ**	**4.3**

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Table 2. Concentrations of Volatile Organic Compounds in Indoor Air - January and March 2015

Location ID:		IA-VMP-8A		IA-VMP-8B		IA-VMP-8C	
Date Collected:		01/15/15	03/25/15	01/15/15	03/25/15	01/15/15	03/25/15
Area:	Units	Southwest Utica National		Hallway outside Molding Offices		Molding Offices	
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**770 D**	**1200 D**	**350 D**	**330 D**	**100 D**	**68**
n-Hexane	µg/m^3	**3.7**	**2.1**	**2.1**	**1.5**	**1.4**	**0.65 J**
o-Xylene	µg/m^3	**0.56 NJ**	**0.21 J**	**0.72 NJ**	**0.93**	**0.45 NJ**	**1.3**
Propylene	µg/m^3	-	-	-	-	-	-
Styrene	µg/m^3	**0.75 NJ**	**0.85**	**1.4**	**1.1**	**0.96**	**3.1**
Tetrachloroethene	µg/m^3	**0.20 NJ**	1.4 U	**0.20 NJ**	1.4 U	**0.41 NJ**	**0.31 J**
Tetrahydrofuran	µg/m^3	**6.6 NJ**	**16**	**2.4 NJ**	**19 J**	**2.3 NJ**	**11 J**
Toluene	µg/m^3	**8.9**	**4.1**	**6.6**	**4.0**	**3.1**	**2.5**
trans-1,2-Dichloroethene	µg/m^3	**0.45 NJ**	**0.75 J**	**0.66 NJ**	**0.68 J**	**0.39 NJ**	**0.46 J**
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**2.7**	**0.56**	**1.0**	0.21 U	**2.0**	**0.49**
Trichlorofluoromethane	µg/m^3	**1.5**	**1.4**	**1.6**	**1.3**	**1.6**	**1.2**
Vinyl Acetate	µg/m^3	-	-	-	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

D = Diluted concentration reported.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte was not detected above the reporting limit; however, the reporting limit is approximate

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample ID: IA-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

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Table 3. Concentrations of Volatile Organic Compounds in Outdoor Ambient Air - January and March 2015

Location ID: Date Collected: Area:	Units	Outdoor Air 1/15/2015 Ambient	Outdoor Air 3/25/2015 Ambient
1,1,1-Trichloroethane	µg/m^3	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.51 NJ**	**0.46 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 UJ
1,2,4-Trimethylbenzene	µg/m^3	**0.19 NJ**	**0.079 J**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	0.98 U	0.98 U
1,3-Butadiene	µg/m^3	**0.085 NJ**	0.44 U
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	0.93 U	0.93 U
2-Butanone	µg/m^3	**0.64 NJ**	**1.7**
2-Hexanone	µg/m^3	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	0.98 U	0.98 U
4-Methyl-2-pentanone	µg/m^3	2.0 U	2.0 U
Acetone	µg/m^3	**5.5 NJ**	**5.5 J**
Benzene	µg/m^3	**1.1**	**0.59 J**
Benzyl Chloride	µg/m^3	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	**0.14 NJ**	1.6 U
Carbon Tetrachloride	µg/m^3	**0.39**	**0.39**
Chlorobenzene	µg/m^3	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U
Chloroform	µg/m^3	0.98 U	0.98 U
Chloromethane	µg/m^3	**1.1**	**1.1**
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U
Cyclohexane	µg/m^3	0.69 U	0.69 U
Dibromochloromethane	µg/m^3	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.1 NJ**	**1.6 J**
Ethyl acetate	µg/m^3	-	-
Ethylbenzene	µg/m^3	**0.20 NJ**	0.87 U
Heptane	µg/m^3	**0.30 NJ**	0.82 U
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**5.3 NJ**	**1.7 J**
m&p-Xylene	µg/m^3	**0.59 NJ**	**0.22 J**
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U
Methylene Chloride	µg/m^3	**1.4 NJ**	**0.62 J**
n-Hexane	µg/m^3	**0.53 NJ**	**0.16 J**
o-Xylene	µg/m^3	**0.20 NJ**	**0.087 J**
Propylene	µg/m^3	-	-
Styrene	µg/m^3	0.85 U	0.85 U
Tetrachloroethene	µg/m^3	1.4 U	1.4 U
Tetrahydrofuran	µg/m^3	15 U	15 U
Toluene	µg/m^3	**1.2**	**0.41 J**

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Table 3. Concentrations of Volatile Organic Compounds in Outdoor Ambient Air - January and March 2015

Location ID: Date Collected: Area:	Units	Outdoor Air 1/15/2015 Ambient	Outdoor Air 3/25/2015 Ambient
trans-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U
Trichloroethene	µg/m^3	**2.3**	0.21 U
Trichlorofluoromethane	µg/m^3	**1.2**	**1.1 J**
Vinyl Acetate	µg/m^3	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U

Notes:

Detected concentrations are in **bold font**.

µg/m^3 = Micrograms per cubic meter.

[1.0 U] = Duplicate results in brackets.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

UJ = Analyte not detected at the reporting limit; However, the reporting limit is approximate.

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Table 4. Summary of Constituents Detected in January 2015 Sub-Slab Soil Gas, Indoor Air, and Outdoor Air Samples

	CAS#	Observed in Facility*		Sub-Slab Soil Gas (µg/m^3)									
				January 2015					March 2015				
		January 2015	March 2015	FOD	%	Detected	Minimum Detect	Maximum Detect	FOD	%	Detected	Minimum Detect	Maximum Detect
1,1,1-Trichloroethane	71-55-6			12/18	66.7	Yes	0.56	160	12/18	66.7	Yes	0.52	130
1,1,2,2-Tetrachloroethane	79-34-5			0/18	0.0	No			0/18	0.0	No		
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1			18/18	100.0	Yes	0.50	53	18/18	100.0	Yes	0.55	76
1,1,2-Trichloroethane	79-00-5			0/18	0.0	No			0/18	0.0	No		
1,1-Dichloroethane	75-34-3			12/18	66.7	Yes	0.15	43	11/18	61.1	Yes	0.21	49
1,1-Dichloroethene	75-35-4			1/18	5.6	Yes	0.35	0.35	1/18	5.6	Yes	0.42	0.42
1,2,4-Trichlorobenzene	120-82-1			0/18	0.0	No			1/18	5.6	Yes	0.29	0.29
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes	18/18	100.0	Yes	0.32	2.0	15/18	83.3	Yes	0.21	1.8
1,2-Dibromoethane	106-93-4			0/18	0.0	No			0/18	0.0	No		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2			3/18	16.7	Yes	0.86	8.1	0/18	0.0	No		
1,2-Dichlorobenzene	95-50-1			2/18	11.1	Yes	0.24	0.77	0/18	0.0	No		
1,2-Dichloroethane	107-06-2			0/18	0.0	No			0/18	0.0	No		
1,2-Dichloropropane	78-87-5			0/18	0.0	No			0/18	0.0	No		
1,3,5-Trimethylbenzene	108-67-8	Yes	Yes	17/18	94.4	Yes	0.18	0.66	14/18	77.8	Yes	0.11	0.79
1,3-Butadiene	106-99-0			5/18	27.8	Yes	0.28	0.50	2/18	11.1	Yes	0.78	0.81
1,3-Dichlorobenzene	541-73-1			1/18	5.6	Yes	0.19	0.19	1/18	5.6	Yes	1.7	1.7
1,4-Dichlorobenzene	106-46-7			3/18	16.7	Yes	0.19	1.8	1/18	5.6	Yes	0.28	0.28
1,4-Dioxane	123-91-1			1/18	5.6	Yes	0.80	0.80	5/18	27.8	Yes	1.3	11
2,2,4-Trimethylpentane	540-84-1			6/18	33.3	Yes	0.56	1.1	2/18	11.1	Yes	0.72	1.0
2-Butanone	78-93-3	Yes	Yes	17/18	94.4	Yes	1.5	11	18/18	100.0	Yes	2.4	24
2-Hexanone	591-78-6			5/18	27.8	Yes	0.79	1.5	9/18	50.0	Yes	1.3	5.4
3-Chloropropene	107-05-1			0/18	0.0	No			0/18	0.0	No		
4-Ethyltoluene	622-96-8			17/18	94.4	Yes	0.14	0.58	14/18	77.8	Yes	0.23	1.0
4-Methyl-2-pentanone	108-10-1			14/18	77.8	Yes	0.90	2.1	11/18	61.1	Yes	0.77	20
Acetone	67-64-1	Yes	Yes	18/18	100.0	Yes	11	160	18/18	100.0	Yes	9.1	68
Benzene	71-43-2			18/18	100.0	Yes	0.78	2.1	17/18	94.4	Yes	0.47	0.87
Benzyl Chloride	100-44-7			0/18	0.0	No			0/18	0.0	No		
Bromodichloromethane	75-27-4			0/18	0.0	No			3/18	16.7	Yes	0.93	1.5
Bromoform	75-25-2			0/18	0.0	No			0/18	0.0	No		
Bromomethane	74-83-9			1/18	5.6	Yes	1.4	1.4	0/18	0.0	No		
Carbon Disulfide	75-15-0			7/18	38.9	Yes	0.88	9.8	12/18	66.7	Yes	0.49	7.7
Carbon Tetrachloride	56-23-5			17/18	94.4	Yes	0.31	0.57	15/18	83.3	Yes	0.28	0.48
Chlorobenzene	108-90-7	Yes	Yes	1/18	5.6	Yes	0.77	0.77	1/18	5.6	Yes	0.15	0.15
Chloroethane	75-00-3			0/18	0.0	No			2/18	11.1	Yes	0.42	1.2
Chloroform	67-66-3			17/18	94.4	Yes	0.67	56	16/18	88.9	Yes	0.40	73
Chloromethane	74-87-3			6/18	33.3	Yes	0.51	7.4	9/18	50.0	Yes	0.18	1.9
cis-1,2-Dichloroethene	156-59-2			7/18	38.9	Yes	0.38	6.5	6/18	33.3	Yes	0.46	10
cis-1,3-Dichloropropene	542-75-6			0/18	0.0	No			0/18	0.0	No		
Cyclohexane	110-82-7			18/18	100.0	Yes	0.63	11	18/18	100.0	Yes	1.1	20
Dibromochloromethane	124-48-1			0/18	0.0	No			0/18	0.0	No		
Dichlorodifluoromethane	75-71-8			18/18	100.0	Yes	2.2	320	18/18	100.0	Yes	1.5	210
Ethyl acetate	141-78-6			-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	Yes	Yes	18/18	100.0	Yes	0.53	1.3	16/18	88.9	Yes	0.22	5.2
Heptane	142-82-5	Yes	Yes	18/18	100.0	Yes	0.53	1.6	17/18	94.4	Yes	1.1	2.9
Hexachlorobutadiene	87-68-3			0/18	0.0	No			1/18	5.6	Yes	0.47	0.47
Isopropyl alcohol	67-63-0	Yes	Yes	18/18	100.0	Yes	32	1800	18/18	100.0	Yes	32	750
m&p-Xylene	1330-20-7	Yes	Yes	18/18	100.0	Yes	1.2	3.7	16/18	88.9	Yes	0.42	6.6
Methyl tert-butyl ether	1634-04-4			0/18	0.0	No			0/18	0.0	No		
Methylene Chloride	75-09-2	Yes	Yes	18/18	100.0	Yes	4.8	670	18/18	100.0	Yes	4.7	1800
n-Hexane	110-54-3	Yes	Yes	18/18	100.0	Yes	0.52	4.1	17/18	94.4	Yes	0.42	2.1
o-Xylene	95-47-6	Yes	Yes	18/18	100.0	Yes	0.32	1.6	15/18	83.3	Yes	0.48	2.9
Propylene	115-07-1			-	-	-	-	-	-	-	-	-	-
Styrene	100-42-5		Yes	18/18	100.0	Yes	0.39	2.3	14/18	77.8	Yes	0.39	3.3
Tetrachloroethene	127-18-4			18/18	100.0	Yes	0.42	39	17/18	94.4	Yes	0.37	240
Tetrahydrofuran	109-99-9			18/18	100.0	Yes	0.90	18	12/18	66.7	Yes	1.4	18
Toluene	108-88-3	Yes	Yes	18/18	100.0	Yes	2.4	9.9	17/18	94.4	Yes	0.90	8.7
trans-1,2-Dichloroethene	156-60-5			12/18	66.7	Yes	0.38	2.2	17/18	94.4	Yes	0.37	8.7
trans-1,3-Dichloropropene	542-75-6			0/18	0.0	No			0/18	0.0	No		
Trichloroethene	79-01-6			18/18	100.0	Yes	0.58	96	17/18	94.4	Yes	0.22	190
Trichlorofluoromethane	75-69-4			18/18	100.0	Yes	1.4	15	17/18	94.4	Yes	0.86	14
Vinyl Acetate	108-05-4			-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	593-60-2			0/18	0.0	No			0/18	0.0	No		
Vinyl Chloride	75-01-4			0/18	0.0	No			0/18	0.0	No		

Notes:

µg/m^3 = Micrograms per cubic meter.

FOD = Frequency of detection.

- = parameter not analyzed

% = Detection percent.

* "Yes" entry identifies chemical observed in facility during chemical inventory.
Chemical identified on ConMed product inventory form where indicated
(bold font).

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Table 4. Summary of Constituents Detected in January 2015 Sub-Slab Soil Gas, Indoor Air, and Outdoor Air Samples

	CAS#	Observed in Facility*		Indoor Air Data (µg/m^3)									
				January 2015					March 2015				
		January 2015	March 2015	FOD	%	Detected	Minimum Detect	Maximum Detect	FOD	%	Detected	Minimum Detect	Maximum Detect
1,1,1-Trichloroethane	71-55-6			0/18	0.0	No			0/18	0.0	No		
1,1,2,2-Tetrachloroethane	79-34-5			1/18	5.6	Yes	0.71	0.71	0/18	0.0	No		
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1			18/18	100.0	Yes	0.45	0.90	18/18	100.0	Yes	0.45	0.69
1,1,2-Trichloroethane	79-00-5			0/18	0.0	No			0/18	0.0	No		
1,1-Dichloroethane	75-34-3			0/18	0.0	No			0/18	0.0	No		
1,1-Dichloroethene	75-35-4			6/18	33.3	Yes	0.40	0.58	9/18	50.0	Yes	0.56	1.3
1,2,4-Trichlorobenzene	120-82-1			0/18	0.0	No			0/18	0.0	No		
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes	18/18	100.0	Yes	0.52	3.0	17/18	94.4	Yes	0.24	14
1,2-Dibromoethane	106-93-4			0/18	0.0	No			0/18	0.0	No		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2			0/18	0.0	No			0/18	0.0	No		
1,2-Dichlorobenzene	95-50-1			0/18	0.0	No			0/18	0.0	No		
1,2-Dichloroethane	107-06-2			0/18	0.0	No			0/18	0.0	No		
1,2-Dichloropropane	78-87-5			0/18	0.0	No			0/18	0.0	No		
1,3,5-Trimethylbenzene	108-67-8	Yes	Yes	18/18	100.0	Yes	0.21	1.6	15/18	83.3	Yes	0.19	7.4
1,3-Butadiene	106-99-0			18/18	100.0	Yes	0.22	1.2	17/18	94.4	Yes	0.13	2.6
1,3-Dichlorobenzene	541-73-1			0/18	0.0	No			0/18	0.0	No		
1,4-Dichlorobenzene	106-46-7			0/18	0.0	No			1/18	5.6	Yes	1.1	1.1
1,4-Dioxane	123-91-1			4/18	22.2	Yes	0.77	2.7	1/18	5.6	Yes	12	12
2,2,4-Trimethylpentane	540-84-1			18/18	100.0	Yes	0.53	1.5	2/18	11.1	Yes	0.25	0.39
2-Butanone	78-93-3	Yes	Yes	15/18	83.3	Yes	1.4	7.2	14/18	77.8	Yes	1.5	14
2-Hexanone	591-78-6			0/18	0.0	No			0/18	0.0	No		
3-Chloropropene	107-05-1			0/18	0.0	No			0/18	0.0	No		
4-Ethyltoluene	622-96-8			17/18	94.4	Yes	0.24	1.8	15/18	83.3	Yes	0.18	8.1
4-Methyl-2-pentanone	108-10-1			3/18	16.7	Yes	0.79	1.3	2/18	11.1	Yes	2.7	57
Acetone	67-64-1	Yes	Yes	18/18	100.0	Yes	12	50	18/18	100.0	Yes	11	42
Benzene	71-43-2			18/18	100.0	Yes	1.4	2.2	18/18	100.0	Yes	0.70	0.92
Benzyl Chloride	100-44-7			0/18	0.0	No			0/18	0.0	No		
Bromodichloromethane	75-27-4			0/18	0.0	No			0/18	0.0	No		
Bromoform	75-25-2			0/18	0.0	No			0/18	0.0	No		
Bromomethane	74-83-9			1/18	5.6	Yes	1.3	1.3	0/18	0.0	No		
Carbon Disulfide	75-15-0			7/18	38.9	Yes	0.29	11	1/18	5.6	Yes	0.79	0.79
Carbon Tetrachloride	56-23-5			18/18	100.0	Yes	0.43	0.54	18/18	100.0	Yes	0.15	0.49
Chlorobenzene	108-90-7	Yes	Yes	0/18	0.0	No			2/18	11.1	Yes	0.11	0.12
Chloroethane	75-00-3			0/18	0.0	No			0/18	0.0	No		
Chloroform	67-66-3			18/18	100.0	Yes	1.1	79	12/18	66.7	Yes	0.63	1.6
Chloromethane	74-87-3			18/18	100.0	Yes	1.1	1.8	18/18	100.0	Yes	0.91	2.0
cis-1,2-Dichloroethene	156-59-2			1/18	5.6	Yes	0.62	0.62	0/18	0.0	No		
cis-1,3-Dichloropropene	542-75-6			0/18	0.0	No			0/18	0.0	No		
Cyclohexane	110-82-7			18/18	100.0	Yes	1.0	18	18/18	100.0	Yes	0.62	42
Dibromochloromethane	124-48-1			0/18	0.0	No			0/18	0.0	No		
Dichlorodifluoromethane	75-71-8			18/18	100.0	Yes	2.2	2.9	18/18	100.0	Yes	1.9	3.6
Ethyl acetate	141-78-6			-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	Yes	Yes	18/18	100.0	Yes	0.50	0.95	18/18	100.0	Yes	0.33	1.3
Heptane	142-82-5	Yes	Yes	18/18	100.0	Yes	0.50	2.3	18/18	100.0	Yes	0.31	3.5
Hexachlorobutadiene	87-68-3			0/18	0.0	No			1/18	5.6	Yes	0.41	0.41
Isopropyl alcohol	67-63-0	Yes	Yes	18/18	100.0	Yes	200	2100	18/18	100.0	Yes	340	2700
m&p-Xylene	1330-20-7	Yes	Yes	18/18	100.0	Yes	1.2	2.3	18/18	100.0	Yes	0.51	4.3
Methyl tert-butyl ether	1634-04-4			0/18	0.0	No			0/18	0.0	No		
Methylene Chloride	75-09-2	Yes	Yes	18/18	100.0	Yes	22	860	18/18	100.0	Yes	3.5	2000
n-Hexane	110-54-3	Yes	Yes	18/18	100.0	Yes	0.89	6.3	17/18	94.4	Yes	0.23	5.7
o-Xylene	95-47-6	Yes	Yes	18/18	100.0	Yes	0.44	0.82	17/18	94.4	Yes	0.19	1.3
Propylene	115-07-1			-	-	-	-	-	-	-	-	-	-
Styrene	100-42-5		Yes	18/18	100.0	Yes	0.36	3.8	18/18	100.0	Yes	0.85	4.1
Tetrachloroethene	127-18-4			9/18	50.0	Yes	0.20	0.50	3/18	16.7	Yes	0.29	0.39
Tetrahydrofuran	109-99-9			12/18	66.7	Yes	0.79	7.0	15/18	83.3	Yes	1.1	19
Toluene	108-88-3	Yes	Yes	18/18	100.0	Yes	2.6	9.8	18/18	100.0	Yes	1.7	9.3
trans-1,2-Dichloroethene	156-60-5			10/18	55.6	Yes	0.24	0.79	13/18	72.2	Yes	0.46	1.7
trans-1,3-Dichloropropene	542-75-6			0/18	0.0	No			0/18	0.0	No		
Trichloroethene	79-01-6			18/18	100.0	Yes	1.0	27	2/18	11.1	Yes	0.49	0.56
Trichlorofluoromethane	75-69-4			18/18	100.0	Yes	1.4	1.7	18/18	100.0	Yes	1.2	2.2
Vinyl Acetate	108-05-4			-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	593-60-2			0/18	0.0	No			0/18	0.0	No		
Vinyl Chloride	75-01-4			0/18	0.0	No			0/18	0.0	No		

Notes:

µg/m^3 = Micrograms per cubic meter.

FOD = Frequency of detection.

- = parameter not analyzed

% = Detection percent.

* "Yes" entry identifies chemical observed in facility during chemical inventory.
Chemical identified on ConMed product inventory form where indicated
(bold font).

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Table 4. Summary of Constituents Detected in January 2015 Sub-Slab Soil Gas, Indoor Air, and Outdoor Air Samples

	CAS#	Observed in Facility*		Outdoor Air Data (µg/m^3)			
		January 2015	March 2015	January 2015		March 2015	
				Detected	Concentration	Detected	Concentration
1,1,1-Trichloroethane	71-55-6			No		No	
1,1,2,2-Tetrachloroethane	79-34-5			No		No	
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1			Yes	0.51	Yes	0.46
1,1,2-Trichloroethane	79-00-5			No		No	
1,1-Dichloroethane	75-34-3			No		No	
1,1-Dichloroethene	75-35-4			No		No	
1,2,4-Trichlorobenzene	120-82-1			No		Yes	3.7
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes	Yes	0.19	Yes	0.079
1,2-Dibromoethane	106-93-4			No		No	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2			No		No	
1,2-Dichlorobenzene	95-50-1			No		No	
1,2-Dichloroethane	107-06-2			No		No	
1,2-Dichloropropane	78-87-5			No		No	
1,3,5-Trimethylbenzene	108-67-8	Yes	Yes	No		No	
1,3-Butadiene	106-99-0			Yes	0.085	No	
1,3-Dichlorobenzene	541-73-1			No		No	
1,4-Dichlorobenzene	106-46-7			No		No	
1,4-Dioxane	123-91-1			No		No	
2,2,4-Trimethylpentane	540-84-1			No		No	
2-Butanone	78-93-3	Yes	Yes	Yes	0.64	Yes	1.7
2-Hexanone	591-78-6			No		No	
3-Chloropropene	107-05-1			No		No	
4-Ethyltoluene	622-96-8			No		No	
4-Methyl-2-pentanone	108-10-1			No		No	
Acetone	67-64-1	Yes	Yes	Yes	5.5	Yes	5.5
Benzene	71-43-2			Yes	1.1	Yes	0.59
Benzyl Chloride	100-44-7			No		No	
Bromodichloromethane	75-27-4			No		No	
Bromoform	75-25-2			No		No	
Bromomethane	74-83-9			No		No	
Carbon Disulfide	75-15-0			Yes	0.14	No	
Carbon Tetrachloride	56-23-5			Yes	0.39	Yes	0.39
Chlorobenzene	108-90-7	Yes	Yes	No		No	
Chloroethane	75-00-3			No		No	
Chloroform	67-66-3			No		No	
Chloromethane	74-87-3			Yes	1.1	Yes	1.1
cis-1,2-Dichloroethene	156-59-2			No		No	
cis-1,3-Dichloropropene	542-75-6			No		No	
Cyclohexane	110-82-7			No		No	
Dibromochloromethane	124-48-1			No		No	
Dichlorodifluoromethane	75-71-8			Yes	2.1	Yes	1.6
Ethyl acetate	141-78-6			-	-	-	-
Ethylbenzene	100-41-4	Yes	Yes	Yes	0.20	No	
Heptane	142-82-5	Yes	Yes	Yes	0.30	No	
Hexachlorobutadiene	87-68-3			No		No	
Isopropyl alcohol	67-63-0	Yes	Yes	Yes	5.3	Yes	1.7
m&p-Xylene	1330-20-7	Yes	Yes	Yes	0.59	Yes	0.22
Methyl tert-butyl ether	1634-04-4			No		No	
Methylene Chloride	75-09-2	Yes	Yes	Yes	1.4	Yes	0.62
n-Hexane	110-54-3	Yes	Yes	Yes	0.53	Yes	0.16
o-Xylene	95-47-6	Yes	Yes	Yes	0.20	Yes	0.087
Propylene	115-07-1			-	-	-	-
Styrene	100-42-5		Yes	No		No	
Tetrachloroethene	127-18-4			No		No	
Tetrahydrofuran	109-99-9			No		No	
Toluene	108-88-3	Yes	Yes	Yes	1.2	Yes	0.41
trans-1,2-Dichloroethene	156-60-5			No		No	
trans-1,3-Dichloropropene	542-75-6			No		No	
Trichloroethene	79-01-6			Yes	2.3	No	
Trichlorofluoromethane	75-69-4			Yes	1.2	Yes	1.1
Vinyl Acetate	108-05-4			-	-	-	-
Vinyl Bromide	593-60-2			No		No	
Vinyl Chloride	75-01-4			No		No	

Notes:

µg/m^3 = Micrograms per cubic meter.

FOD = Frequency of detection.

- = parameter not analyzed

% = Detection percent.

* "Yes" entry identifies chemical observed in facility during chemical inventory. Chemical identified on ConMed product inventory form where indicated (bold font).

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Table 5. Matrix Evaluation of VI Data - January and March 2015

Location ID:	VMP-1B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**0.57 NJ**	1.1 U [1.1 U]	No further action	**0.78 J**	1.1 U [1.1 U]	No further action
1,1-Dichloroethene	0.79 U	0.79 U [0.79 U]	No further action	0.79 U	0.79 U [0.79 U]	No further action
Carbon Tetrachloride	**0.35 J**	**0.53 [0.43]**	Background [a]	**0.31**	**0.49 [0.46]**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U [0.79 U]	No further action	0.79 U	0.79 U [0.79 U]	No further action
Tetrachloroethene	**39**	**0.27 NJ [0.20 NJ]**	No further action	**240**	1.4 U [1.4 U]	Monitor
Trichloroethene	**4.3**	**1.3 [1.2]**	Background [a]	**8.3**	0.21 U [0.21 U]	No further action
Vinyl Chloride	0.10 U	0.10 U [0.10 U]	No further action	0.10 U	0.10 U [0.10 U]	No further action

Location ID:	VMP-2B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**160**	1.1 U	Monitor	**130**	1.1 U	Monitor
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.35 J**	**0.54**	Background [a]	**0.34 J**	**0.34**	Background [a]
cis-1,2-Dichloroethene	**3.2 J**	0.79 U	No further action	**2.2**	0.79 U	No further action
Tetrachloroethene	**27**	**0.48 NJ**	No further action	**60**	1.4 U	No further action
Trichloroethene	**68**	**1.4**	Mitigate	**100**	0.21 U	Monitor
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-2C					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**4.8**	1.1 U	No further action	**4.3**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.51**	**0.48**	Background [a]	**0.45**	**0.46**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**3.5**	1.4 U	No further action	**6.4**	1.4 U	No further action
Trichloroethene	**0.85**	**1.4**	No further action	**0.74**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-3A					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	1.1 U	1.1 U	No further action	5.5 U	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	4.0 U	**1.2**	No further action
Carbon Tetrachloride	**0.57**	**0.51**	Background [a]	1.3 U	**0.46**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	4.0 U	0.79 U	No further action
Tetrachloroethene	**0.44 NJ**	1.4 U	No further action	6.8 U	1.4 U	No further action
Trichloroethene	**0.97**	**1.5**	Background [a]	1.1 U	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.51 U	0.10 U	No further action

Location ID:	VMP-3B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	1.1 U	1.1 U	No further action	1.1 U	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.51**	**0.50**	Background [a]	**0.48**	**0.45**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**0.55 NJ**	1.4 U	No further action	**0.37 J**	**0.29 J**	No further action
Trichloroethene	**1.0**	**2.0**	Background [a]	**0.22**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

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Table 5. Matrix Evaluation of VI Data - January and March 2015

Location ID:	VMP-3D					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	1.1 U	1.1 U	No further action	1.1 U	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.50**	**0.48 J**	Background [a]	**0.46**	**0.46**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**0.42 NJ**	**0.22 NJ**	No further action	**0.40 J**	1.4 U	No further action
Trichloroethene	**0.58**	**2.2**	Background [a]	**0.24**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-3E					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	1.1 U	1.1 U	No further action	1.1 U	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.44**	**0.52 J**	Background [a]	**0.48**	**0.47**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**0.68 NJ**	**0.49 NJ**	No further action	**0.63 J**	**0.39 J**	No further action
Trichloroethene	**0.61**	**2.1**	Background [a]	**0.30**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-4					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	1.1 U	1.1 U	No further action	1.1 U	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.31**	**0.51**	Background [a]	**0.28**	**0.15 J**	No further action
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**8.6**	1.4 U	No further action	**13**	1.4 U	No further action
Trichloroethene	**0.71**	**1.4**	Background [a]	**0.54**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-5A								
Date Collected:	01/15/15			3/25/2015*					
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor		Indoor Air		Matrix Output	
1,1,1-Trichloroethane	**8.3**	1.1 U	No further action	**11**	**4.4**	1.1 U	0.82 U	No further action	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.59 U	**0.99**	**0.99**	No further action	No further action
Carbon Tetrachloride	0.25 U	**0.49**	Background [a]	0.25 U	0.94 U	**0.43**	**0.44 J**	Background [a]	Background [a]
cis-1,2-Dichloroethene	**6.5**	0.79 U	No further action	0.79 U	0.59 U	0.79 U	0.59 U	No further action	No further action
Tetrachloroethene	**3.7**	1.4 U	No further action	**80**	**75**	1.4 U	1.0 U	No further action	No further action
Trichloroethene	**9.1**	**27**	Mitigate	**35**	**30**	0.21 U	0.21 U	No further action	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.38 U	0.10 U	0.10 U	No further action	No further action

Location ID:	VMP-5B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**0.56 NJ**	1.1 U	No further action	**0.52 J**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	**1.3**	No further action
Carbon Tetrachloride	**0.48**	**0.51**	Background [a]	**0.48**	**0.48**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**0.55 NJ**	1.4 U	No further action	**0.38 J**	1.4 U	No further action
Trichloroethene	**1.4**	**1.3**	Background [a]	**0.41**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

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Table 5. Matrix Evaluation of VI Data - January and March 2015

Location ID:	VMP-6A					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**15**	1.1 U	No further action	**16**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	**0.46 NJ**	No further action	**0.42 J**	**0.65 J**	No further action
Carbon Tetrachloride	**0.43**	**0.45 J**	Background [a]	**0.39**	**0.46**	Background [a]
cis-1,2-Dichloroethene	**4.2**	0.79 U	No further action	**3.2**	0.79 U	No further action
Tetrachloroethene	**2.0 J**	1.4 U	No further action	**1.9**	1.4 U	No further action
Trichloroethene	**36**	**1.3**	Monitor	**46**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-6B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	1.1 U	1.1 U	No further action	2.2 U	1.1 U	No further action
1,1-Dichloroethene	0.79 U	**0.58 NJ**	No further action	1.6 U	**0.93**	No further action
Carbon Tetrachloride	**0.47**	**0.52**	Background [a]	**0.43 J**	**0.43**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	1.6 U	0.79 U	No further action
Tetrachloroethene	**1.3 NJ**	1.4 U	No further action	**1.7 J**	1.4 U	No further action
Trichloroethene	**0.68**	**1.4**	Background [a]	0.43 U	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.20 U	0.10 U	No further action

Location ID:	VMP-7					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**4.6**	1.1 U	No further action	**4.4 J**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	**0.49 NJ**	No further action	0.79 U	**0.70 J**	No further action
Carbon Tetrachloride	**0.34 J**	**0.51**	Background [a]	0.25 U	**0.42**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**1.0 NJ**	1.4 U	No further action	**0.68 J**	1.4 U	No further action
Trichloroethene	**0.71**	**1.3**	Background [a]	**0.30**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-7A					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**1.1 UJ [7.1 J]**	1.1 U	No further action	**28 J [20 J]**	1.1 U	No further action
1,1-Dichloroethene	**0.35 NJ [0.79 U]**	**0.42 NJ**	No further action	0.79 U [0.79 U]	**0.65 J**	No further action
Carbon Tetrachloride	**0.53 [0.51]**	**0.53**	Background [a]	**0.46 J [0.35 J]**	**0.45**	Background [a]
cis-1,2-Dichloroethene	**0.79 UJ [0.98 J]**	0.79 U	No further action	**5.1 J [3.6 J]**	0.79 U	No further action
Tetrachloroethene	**1.4 U [0.50 NJ]**	**0.24 NJ**	No further action	**40 J [28]**	1.4 U	No further action
Trichloroethene	**1.4 J [4.7 J]**	**1.4**	Background [a]	**100 [84]**	0.21 U	Monitor
Vinyl Chloride	0.10 U [0.10 U]	0.10 U	No further action	0.10 U [0.10 U]	0.10 U	No further action

Location ID:	VMP-7B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**1.1**	1.1 U	No further action	**0.83 J**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	**0.44 NJ**	No further action	0.79 U	**0.56 J**	No further action
Carbon Tetrachloride	**0.51**	**0.50 J**	Background [a]	**0.37**	**0.40**	Background [a]
cis-1,2-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Tetrachloroethene	**0.93 NJ**	**0.50 NJ**	No further action	**1.7**	1.4 U	No further action
Trichloroethene	**2.1**	**5.6**	Background [a]	**2.0**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

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Table 5. Matrix Evaluation of VI Data - January and March 2015

Location ID:	VMP-8A					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**22**	1.1 U	No further action	**31**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	**0.40 NJ**	No further action	0.79 U	**0.59 J**	No further action
Carbon Tetrachloride	**0.47 J**	**0.44**	Background [a]	**0.32**	**0.39**	Background [a]
cis-1,2-Dichloroethene	**6.3**	0.79 U	No further action	**9.9**	0.79 U	No further action
Tetrachloroethene	**1.9**	**0.20 NJ**	No further action	**10**	1.4 U	No further action
Trichloroethene	**96**	**2.7**	Mitigate	**190**	**0.56**	Monitor/Mitigate
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-8B					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**0.69 NJ**	1.1 U	No further action	**0.56 J**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.53**	**0.48**	Background [a]	**0.33**	**0.35**	Background [a]
cis-1,2-Dichloroethene	**0.38 NJ**	0.79 U	No further action	**0.46 J**	0.79 U	No further action
Tetrachloroethene	**0.69 NJ**	**0.20 NJ**	No further action	**0.73 J**	1.4 U	No further action
Trichloroethene	**1.8**	**1.0**	Background [a]	**3.1**	0.21 U	No further action
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Location ID:	VMP-8C					
Date Collected:	01/15/15			03/25/15		
Sample Type:	Sub-slab Soil Vapor	Indoor Air	Matrix Output	Sub-slab Soil Vapor	Indoor Air	Matrix Output
1,1,1-Trichloroethane	**3.3**	1.1 U	No further action	**1.1**	1.1 U	No further action
1,1-Dichloroethene	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Carbon Tetrachloride	**0.51 J**	**0.46**	Background [a]	**0.31**	**0.41**	Background [a]
cis-1,2-Dichloroethene	**0.74 NJ**	**0.62 NJ**	No further action	**0.62 J**	0.79 U	No further action
Tetrachloroethene	**0.91 NJ**	**0.41 NJ**	No further action	**0.78 J**	**0.31 J**	No further action
Trichloroethene	**4.2**	**2.0**	Background [a]	**3.7**	**0.49**	Background [a]
Vinyl Chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Notes:

All concentrations are reported in micrograms per cubic meter (µg/m^3).

* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample IDs: IA-VMP-5A-S and SS-VMP-5A-S) for independent analysis at Centek Laboratories of Syracuse, NY. Matrix output from the Centek results from Centek are shaded in blue.

[a] Take reasonable and practical actions to identify source(s) and reduce exposures.

J = Analyte detected at or below reporting limits and/or estimated value.

NJ = Analyte has been "tentatively identified" and the result is an approximated value.

U = Not detected at the reporting limit.

[1.0 U] = Duplicate results in brackets.

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-1A							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene	No Further Action	No Further Action						
Carbon Tetrachloride	Background [a]	No Further Action						
cis-1,2-Dichloroethene	No Further Action	No Further Action						
Tetrachloroethene	No Further Action	No Further Action						
Trichloroethene	Monitor	Background [a]						
Vinyl Chloride	No Further Action	No Further Action						

Constituent	VMP-1B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	Monitor
Trichloroethene	Monitor	Background [a]	Background [a]	No further action	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action

Constituent	VMP-1C							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene	No Further Action	No Further Action						
Carbon Tetrachloride	Background [a]	Background [a]						
cis-1,2-Dichloroethene	No Further Action	No Further Action						
Tetrachloroethene	No Further Action	No Further Action						
Trichloroethene	Background [a]	Background [a]						
Vinyl Chloride	No Further Action	No Further Action						

Constituent	VMP-2A							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene	No Further Action	No Further Action						
Carbon Tetrachloride	Background [a]	Background [a]						
cis-1,2-Dichloroethene	No Further Action	No Further Action						
Tetrachloroethene	No Further Action	No Further Action						
Trichloroethene	Background [a]	Background [a]						
Vinyl Chloride	No Further Action	No Further Action						

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-2B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action	Monitor	Monitor
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Monitor	No further action	Background [a]	No further action	Mitigate	Monitor
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action

Constituent	VMP-2C							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	No further action	Background [a]	No further action	No further action	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action

Constituent	VMP-3A							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Monitor	No Further Action	No further action	No further action	No further action	Background [a]	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a][c]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]	No further action	No further action
Trichloroethene	Mitigate	Mitigate	Background [a]	No further action	Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	Background [a]	No further action	No further action

Constituent	VMP-3B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-3C							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene	No Further Action	No Further Action						
Carbon Tetrachloride	Background [a]	Background [a]						
cis-1,2-Dichloroethene	No Further Action	No Further Action						
Tetrachloroethene	No Further Action	No Further Action						
Trichloroethene	Background [a]	Background [a]						
Vinyl Chloride	No Further Action	No Further Action						

Constituent	VMP-3D							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	Background [a]	No further action	No further action	No further action	No further action	No further action	No further action

Constituent	VMP-3E							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No further action	No further action	No further action	No further action	No further action	No further action

Constituent	VMP-4							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action	No further action	No further action
1,1-Dichloroethene	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Carbon Tetrachloride	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action
cis-1,2-Dichloroethene	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Tetrachloroethene	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action	No further action	No further action
Trichloroethene	Background [a]	Background [a]	Background [a]	No Further Action	Background [a]	No further action	Background [a]	No further action
Vinyl Chloride	No Further Action	No Further Action	No Further Action	No Further Action	No further action	No further action	No further action	No further action

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-5A								
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result**	
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]	No further action	No further action	No further action
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action	No further action
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action	No further action
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action	No further action
Trichloroethene			Background [a]	No Further Action	Background [a]	Monitor[C]	Mitigate	No further action	No further action
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action	No further action

Constituent	VMP-5B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Trichloroethene			Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action

Constituent	VMP-6							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Did not sample this location in 2014	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene			No Further Action	No Further Action	No further action			
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]			
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action			
Tetrachloroethene			No Further Action	No Further Action	No further action			
Trichloroethene			Background [a]	Background [a]	No further action			
Vinyl Chloride			No Further Action	No Further Action	No further action			

Constituent	VMP-6A							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Trichloroethene			Background [a]	Monitor / Mitigate	Background [a]	Monitor	Monitor	No further action
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-6B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	No further action	Background [a]	No further action	No further action
1,1-Dichloroethene					No further action	Background [a]	No further action	No further action
Carbon Tetrachloride					Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene					No further action	Background [a]	No further action	No further action
Tetrachloroethene					No further action	Background [a]	No further action	No further action
Trichloroethene					Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride					No further action	Background [a]	No further action	No further action

Constituent	VMP-7							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Carbon Tetrachloride			Background [a]	Background [a]	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Trichloroethene			Background [a]	No Further Action	Background [a]	Background [a]	Background [a]	No further action
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action

Constituent	VMP-7A							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
1,1-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Carbon Tetrachloride			Background [a]	No Further Action	Background [a]	Background [a]	Background [a]	Background [a]
cis-1,2-Dichloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Tetrachloroethene			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action
Trichloroethene			Mitigate	Monitor	Monitor	Monitor	Background [a]	Monitor
Vinyl Chloride			No Further Action	No Further Action	No further action	Background [a]	No further action	No further action

Constituent	VMP-7B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result*	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2011	Did not sample this location in 2011	-	No further action	No further action
1,1-Dichloroethene						-	No further action	No further action
Carbon Tetrachloride						-	Background [a]	Background [a]
cis-1,2-Dichloroethene						-	No further action	No further action
Tetrachloroethene						-	No further action	No further action
Trichloroethene						-	Background [a]	No further action
Vinyl Chloride						-	No further action	No further action

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-GS1							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	No further action	Did not sample this location in 2011	Did not sample this location in 2012	No further action	Did not sample this location in 2014	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene		No further action			No further action			
Carbon Tetrachloride		Background [a]			Background [a]			
cis-1,2-Dichloroethene		No further action			No further action			
Tetrachloroethene		No further action			No further action			
Trichloroethene		Background [a]			Background [a]			
Vinyl Chloride		No further action			No further action			

Constituent	VMP-8A							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	No further action	No further action
1,1-Dichloroethene							No further action	No further action
Carbon Tetrachloride							Background [a]	Background [a]
cis-1,2-Dichloroethene							No further action	No further action
Tetrachloroethene							No further action	No further action
Trichloroethene							Mitigate	Monitor/Mitigate
Vinyl Chloride							No further action	No further action

Constituent	VMP-8B							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	No further action	No further action
1,1-Dichloroethene							No further action	No further action
Carbon Tetrachloride							Background [a]	Background [a]
cis-1,2-Dichloroethene							No further action	No further action
Tetrachloroethene							No further action	No further action
Trichloroethene							Background [a]	No further action
Vinyl Chloride							No further action	No further action

Constituent	VMP-8C							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	Did not sample this location in 2014	No further action	No further action
1,1-Dichloroethene							No further action	No further action
Carbon Tetrachloride							Background [a]	Background [a]
cis-1,2-Dichloroethene							No further action	No further action
Tetrachloroethene							No further action	No further action
Trichloroethene							Background [a]	Background [a]
Vinyl Chloride							No further action	No further action

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Table 6. Comparison of 2009 through 2015 Actions Using NYSDOH Matrices

Constituent	VMP-8D							
	2009 Sampling Matrix Result	2010 Sampling Matrix Result	2011 Sampling Matrix Result	2012 Sampling Matrix Result	2013 Sampling Matrix Result	2014 Sampling Matrix Result*	January 2015 Sampling Matrix Result	March 2015 Sampling Matrix Result
1,1,1-Trichloroethane	Did not sample this location in 2009	Did not sample this location in 2010	Did not sample this location in 2011	Did not sample this location in 2012	Did not sample this location in 2013	-	Did not sample this location in January 2015	Did not sample this location in March 2015
1,1-Dichloroethene						-		
Carbon Tetrachloride						-		
cis-1,2-Dichloroethene						-		
Tetrachloroethene						-		
Trichloroethene						-		
Vinyl Chloride						-		

Notes:

* During the 2014 event, the cannister placed at VMP-8D did not collect any sub-slab vapor, therefore no sample was analyzed; a sub-slab sample was taken from VMP-7B the following day.
Because the indoor air and sub-slab sample were not taken at the same location, the NYSDOH guidance were not applied as they were not considered a pair.

** During the March 2015 sampling event, a split sample was collected from VMP-5A (sample IDs: IA-VMP-5A-S and SS-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Matrix output from the Centek results are shaded in blue.

^{C} = NYSDOH matrix output based on analyte method detection limit

NYSDOH = New York State Department of Health.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-1A				VMP-1B															
Area		Northeast side of Molding Storage DOC				Between Kitting & Molding Storage DOC															
Date Collected		08/26/09		01/13/10		08/26/09		01/13/10		01/25/11		01/25/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U [1.1 U]	1.1 U	1.1 U [1.1 U]	**0.57 NJ**	1.1 U [1.1 U]	**0.78 J**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U [1.4 U]	**0.60 NJ**	1.4 U [1.4 U]	1.4 U	1.4 U [1.4 U]	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.86 J**	**1.2**	**0.62 NJ [0.69 NJ]**	1.5 U	**0.55 NJ [0.49 NJ]**	**1.6**	**0.60 J [0.57 J]**	**2.1**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U [1.1 U]	**0.48 NJ**	1.1 U [1.1 U]	1.1 U	1.1 U [1.1 U]	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U [0.81 U]	**0.40 NJ**	0.81 U [0.81 U]	**0.25 NJ**	0.81 U [0.81 U]	**0.37 J**
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**0.77**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U [0.79 U]	**0.41 NJ**	0.79 U [0.79 U]	0.79 U	0.79 U [0.79 U]	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	1.1 U	3.7 U [3.7 U]	3.7 UJ	3.7 U [3.7 U]	3.7 U	3.7 U [3.7 UJ]	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**15 D**	**15 DJ**	**8.5 D**	0.75 U	**6.0 DJ**	**21 J**	**5.2**	**2.5 J**	**9.2**	**7.6**	**8.5 D**	**6.6**	**0.80**	**1.1**	**0.27 NJ [0.3 NJ]**	**0.42 NJ**	**0.52 NJ [0.70 NJ]**	**0.92 NJ**	**3.6 J [5.6 J]**	**1.5**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U [1.5 U]	1.5 U	1.5 U [1.5 U]	1.5 U	1.5 U [1.5 U]	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U [1.4 U]	**0.65 NJ**	1.4 U [1.4 U]	1.4 U	1.4 U [1.4 U]	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U [1.2 U]	**0.42 NJ**	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U [0.81 U]	**0.33 NJ**	0.81 U [0.81 U]	0.81 U	0.81 U [0.81 U]	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**6.0 DJ**	**13 J**	**5.2**	0.75 U	**3.7 J**	**4.6 J**	**1.5**	**1.2 J**	**2.2**	**1.6**	**5.5**	**2.5**	0.75 UJ	0.75 U	**0.15 NJ [0.12 NJ]**	**0.40 NJ**	**0.26 NJ [0.25 NJ]**	**0.27 NJ**	**2.1 J [3.0 J]**	**0.43 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	**0.58 [0.60]**	**0.20 NJ**	**0.95 [0.79]**	0.44 U	**0.61 [0.62]**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U [1.2 U]	**1.3**	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	1.2 U
1,4-Dichlorobenzene	µg/m³	**3.3 J**	**2.3 J**	0.92 U	0.92 U	**4.2 J**	**4.6 J**	0.92 U	0.92 U	0.92 U	**0.73 J**	**1.1**	**0.73 J**	0.92 U	0.92 U	1.2 U [1.2 U]	**0.39 NJ**	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	R	1.1 UJ	18 U [18 U]	**1.8 NJ**	18 U **[0.77 NJ]**	18 U	18 U [18 U]	18 U
2,2,4-Trimethylpentane	µg/m³	**1.0**	0.71 U	0.71 U	0.71 U	**1.0**	**0.90 J**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	**1.4 J [0.79 NJ]**	**1.8**	**0.71 NJ [0.78 NJ]**	**0.81 NJ**	0.93 U [0.93 U]	0.93 U
2-Butanone	µg/m³	**3.3**	**3.3**	**1.2**	0.90 U	**3.3**	**3.4 J**	**2.2**	**4.1**	0.90 U	0.90 U	**1.4**	**1.1**	**1.0 J**	**0.84 J**	**1.6 [1.8]**	**44**	1.5 U **[1.4 NJ]**	**3.5**	1.5 U [1.5 U]	**4.4**
2-Hexanone	µg/m³	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U	2.0 U [2.0 U]	2.0 U	2.0 U [2.0 U]	2.0 U	2.0 U [2.0 U]	**2.0 J**
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.6 U [1.6 U]	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U [1.6 U]	1.6 U
4-Ethyltoluene	µg/m³	**7.0 DJ**	**23 J**	**6.7**	0.75 U	**7.9 J**	**8.4 J**	**1.6**	**0.65 J**	**1.6**	**1.4**	**5.6**	**2.4**	0.75 UJ	0.75 U	**0.25 NJ [0.14 NJ]**	**0.48 NJ**	**0.32 NJ [0.31 NJ]**	**0.23 NJ**	**2.4 J [3.4 J]**	**0.45 J**
4-Methyl-2-pentanone	µg/m³	**1.0 J**	**0.79 J**	1.2 U	**0.62 J**	**0.58 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U	2.0 U [2.0 U]	**0.60 NJ**	2.0 U [2.0 U]	**1.5 NJ**	2.0 U [2.0 U]	**1.4 J**
Acetone	µg/m³	**48 D**	**60 D**	**31 D**	**0.92**	**54 D**	**71 D**	**27 D**	**21 D**	**12 D**	**9.9 D**	**24 D**	**13**	**8.7 DJ**	**17 D**	**11 NJ [9.5 NJ]**	**45**	**15 [13]**	**17**	**12 J [11 J]**	**13**
Benzene	µg/m³	**9.1 DJ**	**0.75**	**1.1**	0.49 U	**0.88**	**0.91 J**	**1.2**	**2.0 J**	**1.2**	**1.3**	**0.88**	0.49 U	**2.4**	**1.3**	**1.0 [1.2]**	**1.2**	**1.7 [1.7]**	**1.1**	**0.74 [0.70]**	**0.59 J**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U [1.3 U]	**0.47 NJ**	1.3 U [1.3 U]	1.3 U	1.3 U [1.3 U]	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.1 U [2.1 U]	**0.71 NJ**	2.1 U [2.1 U]	2.1 U	2.1 U [2.1 U]	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.78 U [0.78 U]	**0.35 NJ**	0.78 U [0.78 U]	0.78 U	0.78 U [0.78 U]	0.78 U
Carbon Disulfide	µg/m³	**0.47**	**0.57**	0.47 U	0.47 U	**0.73**	**1.0 J**	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	1.6 U **[0.74 NJ]**	1.6 U	1.6 U **[2.1]**	**0.88 NJ**	1.6 U [1.6 U]	**3.0**
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.58**	0.96 U	**0.38**	0.96 U	**0.51**	**0.45 J**	**0.38**	**0.32 J**	**0.77**	0.96 U	**0.77 J**	**0.70 J**	**0.38 J [0.52 J]**	**0.65**	**0.53 [0.43]**	**0.35 J**	**0.49 [0.46]**	**0.31**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**1.0**	**0.89**	0.70 U	0.70 U	0.70 U	0.70 U	**0.37 NJ [0.42 NJ]**	**0.55 NJ**	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.3 U [1.3 U]	**0.40 NJ**	1.3 U [1.3 U]	1.3 U	1.3 U [1.3 U]	1.3 U
Chloroform	µg/m³	**1.1**	**1.0**	0.74 U	0.74 U	**0.89**	**1.0 J**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.98 U [0.98 U]	**0.98**	**1.3 [1.1]**	**2.6**	0.98 U [0.98 U]	**2.8**
Chloromethane	µg/m³	**1.0**	**1.4**	**0.65**	0.31 U	**1.2**	**1.2 J**	**0.57**	**0.65**	**0.78**	**0.71**	0.31 U	0.31 U	**1.3 J**	**1.2**	**1.1 [1.3]**	1.0 U	**1.5 [1.3]**	1.0 U	**1.9 [1.8]**	**0.18 J**
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**1.8 J**	**1.2**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U [0.79 U]	**0.93**	0.79 U [0.79 U]	0.79 U	0.79 U [0.79 U]	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U [0.91 U]	0.91 U	0.91 U [0.91 U]	0.91 U	0.91 U [0.91 U]	0.91 U
Cyclohexane	µg/m³	**16 D**	0.52 UJ	**7.7 D**	0.52 U	**42 D**	**34 D**	**14 D**	**26 D**	**16 D**	**10 D**	**20 D**	**10 DJ**	0.52 U	0.52 U	**55 [64]**	**11**	**18 [18]**	**8.7**	**13 [12]**	**4.7**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7 U [1.7 U]	1.7 U	1.7 U [1.7 U]	1.7 U	1.7 U [1.7 U]	1.7 U
Dichlorodifluoromethane	µg/m³	**2.7**	**2.7**	**2.4**	0.75 U	**2.7**	**2.7 J**	**2.0**	**2.2**	**2.6 J**	**2.0 J**	**3.2**	**2.2**	**3.2**	**2.7**	**2.5 [2.9]**	**2.6**	**2.6 [2.2 NJ]**	**2.3 NJ**	**3.6 [3.4]**	**2.6**
Ethyl acetate	µg/m³	**1.9**	**1.6**	0.92 U	0.92 U	**3.0**	**2.6 J**	**0.70 J**	1.8	0.92 U	0.92 U	0.92 U	0.92 U	0.92 UJ	0.92 U	-	-	-	-	-	-
Ethylbenzene	µg/m³	**2.9 J**	**2.6 J**	**2.8 D**	0.66 U	**1.9 J**	**1.8 J**	**0.71**	**0.62 J**	**0.84**	**0.71**	**3.0**	**1.6**	0.66 U	**0.79**	**0.51 NJ [0.57 NJ]**	**0.74 NJ**	**0.66 NJ [0.53 NJ]**	**0.73 NJ**	**0.38 J [0.41 J]**	**1.7 J**
Heptane	µg/m³	**11 D**	**17 D**	**10**	0.62 U	**12 D**	**21 J**	**17**	**11 D**	**7.9 D**	**5.4 JD**	**8.3 D**	**9.2 DJ**	**0.71**	**0.58 J**	**1.6 J [0.93 J]**	**1.0**	**0.77 NJ [0.67 NJ]**	**0.92**	**0.33 J [0.31 J]**	**2.7**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	1.6 U	2.1 U [2.1 U]	2.1 U	2.1 U [2.1 U]	2.1 U	2.1 U [2.1 U]	2.1 U
Isopropyl alcohol	µg/m³	**1,200 D**	**1,600 D**	**390 D**	**1.2**	**2,200 D**	**2,100 D**	**190 D**	**92 D**	**220 JD**	**150 JD**	**980 EDJ**	**420 EDJ**	**42 DJ**	**190 DJ**	**200 J [230 J]**	**1000 J**	**470 J [590 J]**	**77**	**630 J [610 J]**	**67**
m&p-Xylene	µg/m³	**8.7 J**	**8.1 J**	**6.2 J**	1.3 U	**3.3 J**	**3.6 J**	**2.1**	**1.5 J**	**1.9 J**	**1.6 J**	**2.1**	**1.6**	**1.1 J**	**1.6**	**0.72 NJ [0.82 NJ]**	**1.5 NJ**	**1.6 NJ [1.2 NJ]**	**2.0 NJ**	**0.51 J [0.62 J]**	**4.3**
Methyl tert-butyl ether	µg/m³	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.72 U [0.72 U]	0.72 U	0.72 U [0.72 U]	0.72 U	0.72 U [0.72 U]	0.72 U
Methylene Chloride	µg/m³	**300 DJ**	**330 D**	**48**	**0.46 J**	**500 D**	**510 D**	**95 D**	**200 D**	**21 D**	**16 D**	**320 D**	**110 D**	**16 D**	**42 D**	**5.3 [6.0]**	**3.0**	**22 [24]**	**11**	**5.4 [5.1]**	**4.7**
n-Hexane	µg/m³	**3.2**	0.54 U	**0.90**	0.54 U	**2.7**	**3.4 J**	**1.4**	**5.4 D**	**1.0**	**1.1**	0.54 U	**0.82**	**0.50 J**	0.54 UJ	**1.9 J [1.2 J]**	**1.2**	**1.1 [0.99]**	**0.80**	**0.23 J [0.26 J]**	**1.5**
o-Xylene	µg/m³	**2.6**	**2.5 J**	**2.5**	0.66 U	**1.5 J**	**1.8 J**	**0.75**	**0.57 J**	**0.93**	**0.79**	**0.71**	**0.57 J**	**0.49 J**	**0.57 J**	**0.25 NJ [0.3 NJ]**	**0.62 NJ**	**0.56 NJ [0.46 NJ]**	**0.61 NJ**	**0.34 J [0.41 J]**	**1.6**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**3.3 J**	**2.9 J**	**0.91**	0.65 U	**9.2 J**	**8.3 J**	**1.6**	**3.6 J**	**3.6**	**2.6**	**3.9**	**2.1**	**2.0**	**2.6**	**0.98 [1.1]**	**0.49 NJ**	**3.8 J [0.36 NJ]**	**1.8**	**2.2 J [3.0 J]**	**1.9**
Tetrachloroethene	µg/m³	**0.83 J**	**1.1 J**	1.0 U	**8.5**	**0.69 J**	**1.7 J**	**0.83 J**	1.0 U	**2.3**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.22 NJ [0.24 NJ]**	**6.0**	**0.27 NJ [0.20 NJ]**	**39**	1.4 U [1.4 U]	**240**
Tetrahydrofuran	µg/m³	0.45 U	**1.8**	**1.2**	0.45 U	0.45 U	0.45 U	**5.1**	**3.8**	0.45 UJ	0.45 UJ	**9.0 D**	**3.9**	0.45 UJ	**0.75**	15 U [15 U]	**2.3 NJ**	15 U **[0.79 NJ]**	**1.5 NJ**	**1.2 J [1.1 J]**	15 U
Toluene	µg/m³	**8.4 J**	**7.1 J**	**2.6**	0.57 U	**13 DJ**	**16 DJ**	**4.3**	**13 DJ**	**3.4**	**3.4**	**2.7**	**1.6**	**3.0**	**2.1**	**2.8 [3.2]**	**3.0**	**7.2 [5.8]**	**5.6**	**2.3 [2.3]**	**4.0**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**7.9**	**5.4**	0.60 U	**2.4 J**	0.79 U [0.79 U]	**0.39 NJ**	**0.79 U [0.24 NJ]**	**0.75 NJ**	**1.5 [1.5]**	**1.0**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U [0.91 U]	**0.34 NJ**	0.91 U [0.91 U]	0.91 U	0.91 U [0.91 U]	0.91 U
Trichloroethene	µg/m³	**1.9**	**2.1 J**	**0.82**	**0.49 J**	**1.9**	**8.6 J**	**5.8**	**1.4 J**	**0.71**	**0.71 J**	0.22 U	0.82 U	**0.22**	0.82 U	0.21 U [0.21 U]	**4.1**	**1.3 [1.2]**	**4.3**	0.21 U [0.21 U]	**8.3**
Trichlorofluoromethane	µg/m³	**4.0**	**3.9**	**42**	0.86 U	**2.6**	**2.8 J**	**7.4**	**7.5**	**2.2**	**1.9**	**62 D**	**35 D**	**70 D**	**44 D**	**3.4 [3.8]**	**47**	**1.7 [1.6]**	**7.4**	**2.2 [2.1]**	**6.1**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.87 U [0.87 U]	0.87 U	0.87 U [0.87 U]	0.87 U	0.87 U [0.87 U]	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	**0.10**	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U [0.10 U]	**0.27**	0.10 U [0.10 U]	0.10 U	0.10 U [0.10 U]	0.10 U

See Page 15 for notes.

Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-1C				VMP-2A			
Area		Adjacent to Molding Storage DOC				Adjacent to Leadwire Assembly – Center			
Date Collected		08/26/09		01/13/10		08/26/09		01/13/10	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 U	0.83 U	0.83 U [0.83 U]
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U [1.0 U]
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	**0.86 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.86 J**	1.2 U	1.2 U [1.2 U]
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 U	0.83 U	0.83 U [0.83 U]
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 UJ	0.62 U	0.62 U	0.62 U [0.62 U]
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U	0.60 U [0.60 U]
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ [1.1 UJ]
1,2,4-Trimethylbenzene	µg/m³	**19 J**	**22 J**	**9.4**	**7.7**	**17 DJ**	**21 J**	**5.0 DJ**	**31 DJ [31 DJ]**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U [1.2 U]
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U [1.1 U]
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U [0.92 U]
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 UJ	0.62 U	0.62 U	0.62 U [0.62 U]
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 UJ	0.70 U	0.70 U	0.70 U [0.70 U]
1,3,5-Trimethylbenzene	µg/m³	**3.7 J**	**4.5 J**	**2.4**	**2.0**	**6.1 J**	**4.5 J**	**3.0 J**	**9.0 DJ [8.5 DJ]**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	0.34 U	0.34 U [0.34 U]
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U [0.92 U]
1,4-Dichlorobenzene	µg/m³	**3.3 J**	**4.0 J**	0.92 U	0.92 U	**2.3 J**	**3.4 J**	0.92 U	0.92 U [0.92 U]
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U [1.1 U]
2,2,4-Trimethylpentane	µg/m³	**0.90 J**	**0.47 J**	0.71 U	0.71 U	**2.1 J**	**0.62 J**	0.71 U	0.71 U [0.71 U]
2-Butanone	µg/m³	**3.0**	**3.1**	**2.7**	**1.0**	**2.8 J**	**3.1**	**3.1**	**8.7 DJ [8.1 J]**
2-Hexanone	µg/m³	1.2 UJ	**0.50 J**	1.2 U	1.2 U	1.2 UJ	**0.46 J**	1.2 U	1.2 U [1.2 U]
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 UJ	0.48 U	0.48 U	0.48 U [0.48 U]
4-Ethyltoluene	µg/m³	**8.2 J**	**11 J**	**2.8**	**2.0**	**12 J**	**9.4 J**	**3.6 J**	**7.5 J [8.4 J]**
4-Methyl-2-pentanone	µg/m³	**1.1 J**	**1.1 J**	1.2 U	1.2 U	**1.3 J**	**1.9 J**	1.2 U	1.2 U [1.2 U]
Acetone	µg/m³	**57 D**	**41 D**	**38 D**	**19 D**	**99 DJ**	**43 D**	**42 D**	**57 DJ [88 DJ]**
Benzene	µg/m³	**0.75 J**	**0.78 J**	**1.2**	**0.78**	**1.7 J**	**0.71**	**1.1 J**	**1.1 J [1.1 J]**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U [0.88 U]
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U [1.0 U]
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U [1.6 U]
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 UJ	0.59 U	0.59 U	0.59 U [0.59 U]
Carbon Disulfide	µg/m³	**0.73**	**0.60**	0.47 U	0.47 U	**0.47 J**	**0.85**	0.47 U	0.47 U [0.47 U]
Carbon Tetrachloride	µg/m³	**0.45 J**	0.96 U	**0.38**	**0.51 J**	**0.45 J**	0.96 U	**0.38 J**	**0.38 J [0.38 J]**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	**0.47 J**	0.70 U	0.70 U	0.70 U [0.70 U]
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 UJ	0.40 U	0.40 U	**1.2 J [1.4 J]**
Chloroform	µg/m³	**0.79**	**0.84**	0.74 U	0.74 U	**1.1 J**	**0.79**	0.74 U	**0.50 J [0.74 U]**
Chloromethane	µg/m³	**1.2**	**1.0**	**0.61**	0.31 U	**1.0 J**	**1.4**	**0.46**	**0.76 J [0.65 J]**
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U	0.52 J [0.60 U]
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U [0.69 U]
Cyclohexane	µg/m³	**36 D**	**49 D**	**24 D**	**4.1**	**55 DJ**	**16 D**	**38 DJ**	**15 DJ [15 DJ]**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U [1.3 U]
Dichlorodifluoromethane	µg/m³	**2.6**	**2.7**	**2.1**	**2.4**	**2.8 J**	**2.8**	**2.0**	**9.8 J [12 DJ]**
Ethyl acetate	µg/m³	**2.3**	**1.7**	**0.77 J**	**0.51 J**	**2.1 J**	**2.9**	**0.95**	**1.8 J [1.3 J]**
Ethylbenzene	µg/m³	**1.8 J**	**1.6 J**	**1.1**	**0.75**	**1.7 J**	**2.0 j**	0.88 J	**6.7 J [7.7 J]**
Heptane	µg/m³	**14 D**	**28 D**	**31 D**	**7.0**	**52 DJ**	**10 DJ**	**52 DJ**	**12 DJ [12 DJ]**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ [1.6 UJ]
Isopropyl alcohol	µg/m³	**1,800 D**	**770 D**	**520 D**	**91 D**	**3,100 DJ**	**1,400 D**	**750 D**	**440 DJ [540 DJ]**
m&p-Xylene	µg/m³	**3.2 J**	**3.4 J**	**3.3**	**2.1**	**3.8 J**	**3.0 J**	**2.6 J**	**25 DJ [26 DJ]**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 UJ	0.55 U	0.55 U	0.55 U [0.55 U]
Methylene Chloride	µg/m³	**420 D**	**290 D**	**150 D**	**58 D**	**180 DJ**	**240 D**	**220 D**	**81 DJ [62 DJ]**
n-Hexane	µg/m³	**2.3**	0.54 U	**1.1**	**1.9**	**3.5 J**	0.54 U	**1.4**	**2.7 J [3.0 J]**
o-Xylene	µg/m³	**1.6 J**	**1.9 J**	**1.1**	**0.79**	**2.1 J**	**1.7 J**	**1.1 J**	**12 DJ [12 DJ]**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 U	0.26 U	0.26 U [0.26 U]
Styrene	µg/m³	**8.7 J**	**7.9 J**	**2.3**	**1.3**	**7.7 J**	**11 J**	**4.0 J**	**6.6 J [7.4 J]**
Tetrachloroethene	µg/m³	**0.69 J**	1.0 U	**1.1**	**1.4**	1.0 UJ	1.0 U	1.0 U	**2.6 J [2.8 J]**
Tetrahydrofuran	µg/m³	0.45 U	0.45 U	**5.4**	**1.6**	0.45 UJ	**3.3**	**6.6 D**	**5.3 J [6.1 J]**
Toluene	µg/m³	**17 DJ**	**18 DJ**	**4.2**	**5.1**	**27 DJ**	**9.2 DJ**	**4.7 J**	**28 DJ [30 DJ]**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 UJ	0.60 U	0.60 U	0.60 U [0.60 U]
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U [0.69 U]
Trichloroethene	µg/m³	**1.7 J**	**1.6 J**	**0.93**	**0.82**	**2.2 J**	**1.7**	**0.76 J**	**2.9 J [0.82 J]**
Trichlorofluoromethane	µg/m³	**2.6**	**2.9**	**9.9**	**55 D**	**3.3 J**	**2.6**	**5.0**	**4.2 J [4.5 J]**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 UJ	0.54 UJ	0.54 U	0.54 U [0.54 U]
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 UJ	0.67 U	0.67 U	0.67 U [0.67 U]
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 UJ	0.39 U	0.10 U	0.39 U [0.39 U]

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-2B															
Area		Adjacent to Leadwire Assembly – South															
Date Collected		08/26/09		01/13/10		01/25/11		01/25/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	**0.39 J**	0.83 U [0.83 U]	**69 D**	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	**72**	1.1 U	**160**	1.1 U	**130**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	3.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	**3.7**	1.2 U	1.2 U	**0.93 J**	1.2 U	**0.52 NJ**	**4.1**	**0.52 NJ**	**6.4**	**0.57 J**	**4.6**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ [0.83 UJ]	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	**0.51 NJ**	0.81 U	**0.42 NJ**	0.81 U	**0.63 J**
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	2.0 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	**3.9 J**	1.1 UJ	1.1 UJ	1.1 UJ [1.1 UJ]	1.1 UJ	1.1 U	1.1 U	R	1.1 U	3.7 U	9.3 UJ	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**6.5 DJ**	**19 J**	**12**	**6.5 DJ**	**8.0 D [8.5 D]**	**4.3**	**14**	**11**	**1.1**	**0.55 J**	**0.20 NJ**	**0.79 NJ**	**2.9**	**1.1**	**9.1**	**1.8**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U	3.8 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	3.5 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	3.0 U	1.2 U	**0.24 NJ**	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	2.0 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 U	2.3 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**4.0 J**	**4.2 J**	**3.1**	**3.6 J**	**2.7 [2.6]**	**1.0**	**4.9**	**3.7**	0.75 UJ	0.75 U	**0.27 NJ**	**0.29 NJ**	**1.5**	**0.45 NJ**	**4.9**	**0.76 J**
1,3-Butadiene	µg/m³	0.34 UJ	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	**0.81**	1.1 U	**1.2**	0.44 U	**1.5**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	**2.8 NJ**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**2.8 J**	**2.8 J**	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	**1.0**	**0.92**	0.92 U	0.92 U	1.2 U	3.0 U	1.2 U	**0.27 NJ**	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	R	1.1 UJ	18 U	45 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	**0.52 J**	**0.62 J**	0.71 U	0.71 U	0.71 U [0.71 U]	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.93 U	2.3 U	**1.2**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**3.1**	**2.8**	**2.5**	**3.2**	0.90 U [0.90 U]	0.90 U	**0.96**	0.90 U	**0.78 J**	**1.0 J**	**1.5**	**56**	**1.8**	**5.1**	**1.7**	**4.3**
2-Hexanone	µg/m³	1.2 UJ	**0.50 J**	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	R	1.2 U	2.0 U	5.1 U	2.0 U	**1.1 NJ**	2.0 U	**1.5 J**
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.6 U	3.9 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**8.0 J**	**11 J**	**3.6**	**3.9 J**	**2.4 [2.3]**	**0.55 J**	**4.9**	**4.0**	0.75 UJ	0.75 U	**0.25 NJ**	**0.37 NJ**	**1.7**	**0.30 NJ**	**5.7**	**0.95 J**
4-Methyl-2-pentanone	µg/m³	**1.0 J**	**1.7 J**	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	R	1.2 U	2.0 U	5.1 U	2.0 U	**2.1**	2.0 U	2.0 U
Acetone	µg/m³	**49 D**	**61 D**	**39 D**	**87 D**	**19 D [24 D]**	**4.8**	**25 D**	**63 D**	**17 DJ**	**19 D**	**8.4 NJ**	**36**	**18**	**20**	**16**	**12 J**
Benzene	µg/m³	**0.78**	**0.75 J**	**1.2**	**1.2 J**	**1.3 [1.1]**	0.49 U	**0.84**	**0.71**	**1.2**	**1.1**	**0.98**	**0.92 NJ**	**1.5**	**0.84**	**0.79**	**0.47 J**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ [0.88 UJ]	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.1 U	5.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.78 U	1.9 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**0.44 J**	**0.76**	0.47 U	0.47 U	0.47 U [0.47 U]	**0.76**	0.47 U	0.47 U	0.47 U	0.47 U	1.6 U	3.9 U	1.6 U	**4.8**	1.6 U	**2.1**
Carbon Tetrachloride	µg/m³	**0.38**	0.96 U	**0.45**	**0.45 J**	**0.32 [0.38]**	**0.32 J**	**0.64**	**0.70 J**	**0.70 J**	**0.70**	**0.43**	0.63 U	**0.54**	**0.35 J**	**0.34**	**0.34 J**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	**1.4 [1.4]**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**0.51 NJ**	**0.64 NJ**	0.92 U	0.92 U	0.92 U	**0.15 J**
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	**0.30 J**	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.3 U	3.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**0.84**	**0.79**	0.74 U	0.74 U	0.74 U [0.74 U]	**0.89**	0.74 U	**0.55 J**	0.74 U	0.74 U	0.98 U	**1.1 NJ**	**1.5**	**1.7**	0.98 U	**2.0**
Chloromethane	µg/m³	**1.2**	**1.2**	**0.57**	**0.71**	**0.86 [0.69]**	0.31 U	0.31 U	0.31 U	**1.4 J**	**1.2**	**1.1**	2.6 U	**1.2**	**7.4**	**1.7**	1.0 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	2.0 U	0.79 U	**3.2 J**	0.79 U	**2.2**
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**26 D**	**39 D**	**26 D**	**28 DJ**	**15 D[13 D]**	0.52 U	**10 D**	**10 D**	0.52 U	0.52 U	**64**	**32**	**10**	**6.5 J**	**6.9**	**6.2**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7 U	4.3 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.9**	**3.1**	**2.2**	**2.3**	**2.2 J [2.2 J]**	**33 JD**	**3.0**	**2.8**	**3.3**	**3.0**	**2.4 NJ**	**130**	**2.7**	**320 D**	**3.2**	**210 D**
Ethyl acetate	µg/m³	**2.7**	**3.4**	**0.81 J**	**0.88 J**	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	**0.44 J**	**0.44 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	**1.6 J**	**1.9 J**	**0.75**	**2.1 J**	**0.79 [0.84]**	**0.66**	**2.5**	**2.0**	0.66 U	**0.49 J**	**0.56 NJ**	**0.78 NJ**	**0.61 NJ**	**0.84 NJ**	**0.33 J**	**2.2 J**
Heptane	µg/m³	**5.0 DJ**	**18 D**	**36 D**	**47 DJ**	**6.5 [6.0]**	0.62 U	**3.5**	**2.6**	**0.71**	**0.79**	0.82 U	2.0 U	**0.69 NJ**	**0.77 NJ**	**0.44 J**	**2.7**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ [1.6 UJ]	1.6 UJ	1.6 U	1.6 U	R	1.6 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**2,400 D**	**2,800 D**	**430 D**	**620 D**	**290 JD [310 JD]**	**3.1 J**	**370 EDJ**	**460 EDJ**	**250 DJ**	**270 DJ**	**340 J**	**1500 J**	**700 J**	**35**	**640 J**	**86**
m&p-Xylene	µg/m³	**2.3 J**	**4.3 J**	**2.3**	**4.7 J**	**1.6 J [1.6 J]**	**2.3 J**	**2.6**	**2.3**	**1.1 J**	**0.88 J**	**0.46 NJ**	**1.3 NJ**	**1.5 NJ**	**2.6**	**0.59 J**	**6.6**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.72 U	1.8 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**400 D**	**440 D**	**170 D**	**190 D**	**18 D [20 D]**	0.53 U	**120 D**	**190 D**	**44 D**	**32 D**	**3.8**	**2.0 NJ**	**24**	**4.8**	**4.6**	**4.9**
n-Hexane	µg/m³	**1.2**	**1.5**	**1.4**	**2.5**	**1.2 [1.0]**	0.54 U	0.54 U	0.54 U	**0.43 J**	0.54 UJ	**0.71**	**0.75 NJ**	**0.97**	**0.78**	**0.32 J**	**2.1**
o-Xylene	µg/m³	**1.5 J**	**3.2 J**	**1.1**	**1.8 J**	**0.88 [0.97]**	**1.0**	**0.88**	**0.75**	**0.62 J**	0.66 U	**0.17 NJ**	**0.53 NJ**	**0.64 NJ**	**1.3**	**0.54 J**	**2.9**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ [0.26 UJ]	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**10 J**	**11 J**	**3.2**	**5.0 J**	**5.1 [4.4]**	0.65 U	**3.8**	**3.0**	**1.8**	**1.9**	**1.8**	**1.7 NJ**	**3.8**	**1.8**	**2.9**	**3.0**
Tetrachloroethene	µg/m³	**0.90 J**	1.0 U	1.0 U	**1.5 J**	1.0 U [1.0 U]	**90 D**	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	**2.4 NJ**	**0.48 NJ**	**27**	1.4 U	**60**
Tetrahydrofuran	µg/m³	0.45 U	0.45 U	**4.5 D**	**6.0 D**	0.45 UJ [0.45 UJ]	0.45 UJ	**11**	**6.6**	**1.1 J**	**0.66**	15 U	**3.0 NJ**	15 U	**1.4 NJ**	**2.3 J**	**1.4 J**
Toluene	µg/m³	**14 DJ**	**18 DJ**	**4.7**	**11 DJ**	**3.0 [2.9]**	**2.2**	**2.3**	**2.2**	**2.6**	**1.5**	**2.5**	**3.2**	**6.1**	**4.9**	**2.0**	**3.0**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	**11**	**6.0**	**8.5 D**	**3.2 J**	0.79 U	2.0 U	0.79 U	**1.2**	**1.7**	**1.4**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ [0.69 UJ]	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	2.3 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**1.6**	**1.4 J**	**0.93**	**1.9 J**	**0.66 [0.60]**	**33 D**	0.22 U	**1.2**	**0.38**	**0.33**	0.21 U	**23**	**1.4**	**68**	0.21 U	**100**
Trichlorofluoromethane	µg/m³	**2.6**	**2.7**	**5.9**	**5.4**	**2.1 [1.9]**	**2.3**	**56 D**	**64 D**	**19 D**	**25 D**	**2.4**	**4.6**	**1.7**	**5.4**	**1.7**	**2.9**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U [0.54 U]	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.87 U	2.2 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U [0.10 U]	0.39 U	0.10 U	0.39 U	0.10 U	0.10 U	0.10 U	0.26 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

Stantec

Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-2C															
Area		Adjacent to Cable Assembly															
Date Collected		08/26/09		01/13/10		01/25/11		01/25/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	**11**	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	**1.9**	1.1 U	**4.8**	1.1 U	**4.3**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**2.6**	1.2 U	**0.86 J**	**1.3**	1.2 U	**0.58 NJ**	**0.59 NJ**	**0.46 NJ**	**0.80 NJ**	**0.58 J**	**0.78 J**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	0.81 U	0.81 U	**0.21 NJ**	0.81 U	**0.21 J**
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	**6.4 J**	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	1.1 U	3.7 U	3.7 UJ	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**8.5 DJ**	**22 J**	**11**	**140 DJ**	**9.5 D**	**6.0 D**	**16**	**14**	**1.2**	**1.0 J**	**0.35 NJ**	**0.86 NJ**	**3.0**	**2.0**	**11**	**0.28 J**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**4.4 J**	**4.7 J**	**3.0**	**35 DJ**	**3.2**	**2.0**	**5.7**	**5.2**	0.75 UJ	**0.50 J**	**0.16 NJ**	**0.28 NJ**	**1.6**	**0.66 NJ**	**6.0**	0.98 U
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	**0.68**	0.44 U	**0.83**	0.44 U	**1.3**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	**3.8**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**3.2 J**	**2.6 J**	0.92 U	0.92 U	0.92 U	0.92 U	**0.79 J**	**1.2**	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	**0.19 NJ**	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	R	1.1 UJ	18 U	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	**0.85**	**0.52 J**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.93 U	**0.57 NJ**	**0.60 NJ**	0.93 U	0.93 U	**0.72 J**
2-Butanone	µg/m³	**2.9**	**3.2**	**3.4**	**2.8 J**	0.90 U	0.90 U	0.90 U	0.90 U	**0.66 J**	**1.8 J**	**2.1**	**61**	1.5 U	**5.0**	1.5 U	**2.5**
2-Hexanone	µg/m³	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.8 J**
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**8.6 J**	**8.4 J**	**3.5**	**34 DJ**	**2.7**	**1.6**	**5.7**	**5.5**	0.75 UJ	0.75 U	**0.38 NJ**	**0.33 NJ**	**1.8**	**0.40 NJ**	**6.8**	**0.23 J**
4-Methyl-2-pentanone	µg/m³	**1.4 J**	**1.4 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.75 J**	R	1.2 U	2.0 U	**0.84 NJ**	2.0 U	**1.3 NJ**	2.0 U	2.0 U
Acetone	µg/m³	**54 D**	**46 D**	**45 D**	**29 DJ**	**25 D**	**9.7 D**	**28 D**	**18 D**	**16 DJ**	**18 D**	**11 NJ**	**39**	**12**	**25**	**12**	**9.1 J**
Benzene	µg/m³	**1.0**	**0.81**	**1.6**	**1.3 J**	**1.2**	**0.58**	**0.81**	**0.88**	**1.3**	**0.84**	**1.0**	**0.87**	**1.5**	**0.78**	**0.81**	**0.56 J**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**0.79**	**0.89**	0.47 U	0.47 U	0.47 U	**0.73**	0.47 U	**0.41 J**	0.47 U	0.47 U	1.6 U	**2.7**	1.6 U	**9.8**	1.6 U	**1.8**
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.51**	**0.45 J**	**0.38**	**0.26 J**	**0.70**	**0.83 J**	**0.83 J**	**0.64 J**	**0.47**	**0.34**	**0.48**	**0.51**	**0.46**	**0.45**
Chlorobenzene	µg/m³	0.70 U	**0.47 J**	0.70 U	0.70 U	**1.5**	**0.47 J**	0.70 U	0.70 U	0.70 U	0.70 U	**0.57 NJ**	**0.57 NJ**	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**0.79**	**0.74**	0.74 U	0.74 U	0.74 U	**4.5**	0.74 U	0.74 U	0.74 U	0.74 U	0.98 U	0.98 U	**1.5**	**0.78 NJ**	0.98 U	**2.1**
Chloromethane	µg/m³	**1.3**	**1.4**	**0.59**	**0.59 J**	**0.71**	**0.40**	0.31 U	0.31 U	**1.3 J**	**1.1**	**1.1**	1.0 U	**1.3**	1.0 U	**1.7**	1.0 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	**0.44 J**	0.60 U	**0.64 J**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**50 D**	**24 D**	**34 D**	**22 DJ**	**15 D**	**4.9**	**12 D**	**8.4 DJ**	0.52 U	0.52 U	**67**	**33**	**11**	**4.0 J**	**7.6**	**4.4**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.9**	**3.0**	**2.3**	**2.1 J**	**2.2 J**	**2.2 J**	**3.2**	**3.1**	**3.2**	**2.8**	**2.4 NJ**	**1.8 NJ**	**2.7**	**2.5**	**3.3**	**2.4 J**
Ethyl acetate	µg/m³	**3.6**	**3.2**	**0.99**	**0.81 J**	0.92 U	0.92 U	0.92 U	0.92 U	**0.48 J**	0.92 U	-	-	-	-	-	-
Ethylbenzene	µg/m³	**2.2 J**	**2.1 J**	**0.75**	**10 DJ**	**1.5**	**1.7**	**2.5**	**3.0**	0.66 U	**0.66 J**	**0.63 NJ**	**0.80 NJ**	**0.63 NJ**	**1.1**	**0.35 J**	**0.88 J**
Heptane	µg/m³	**10 D**	**12**	**57 D**	**34 DJ**	**6.3**	**2.9**	**3.6**	**4.5**	**0.96**	**0.87**	**0.72 NJ**	**0.70 NJ**	**0.73 NJ**	**0.96**	**0.39 J**	**1.6**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**2,900 D**	**470 D**	**450 D**	**98 DJ**	**410 JD**	**180 JD**	**390 EDJ**	**420 EDJ**	**170 DJ**	**310 DJ**	**380 J**	**1500 J**	**700 J**	**52**	**660 J**	**90**
m&p-Xylene	µg/m³	**2.9 J**	**2.6 J**	**2.3**	**69 DJ**	**4.2 J**	**5.2 J**	**2.9**	**3.5**	**1.1 J**	**1.6 J**	**0.79 NJ**	**1.5 NJ**	**1.6 NJ**	**3.3**	**0.65 J**	**1.5 J**
Methyl tert-butyl ether	µg/m³	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**510 D**	**330 D**	**220 D**	**140 DJ**	**20 D**	**9.2 D**	**130 D**	**160 D**	**34 D**	**30 D**	**6.4**	**19**	**26**	**8.7**	**4.3**	**12**
n-Hexane	µg/m³	**2.1**	**1.4**	**1.9**	**1.5 J**	**1.4**	**0.64**	0.54 U	0.54 U	0.54 UJ	0.54 UJ	**0.94**	**0.66 NJ**	**1.0**	**0.93**	**0.28 J**	**0.58 J**
o-Xylene	µg/m³	**2.0 J**	**1.8 J**	**0.97**	**30 DJ**	**2.1**	**2.1**	**0.97**	**1.1**	**0.57 J**	**0.66 J**	**0.28 NJ**	**0.58 NJ**	**0.64 NJ**	**1.6**	**0.62 J**	**0.48 J**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**8.7 DJ**	**12 J**	**2.9**	**5.9 J**	**5.2**	**1.8**	**3.9**	**5.5**	**2.4**	**1.8 J**	**2.1**	**2.0**	**3.7**	**2.3**	**3.7**	**0.39 J**
Tetrachloroethene	µg/m³	**0.69 J**	1.0 U	1.0 U	1.0 U	1.0 U	**11**	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	**0.3 NJ**	1.4 U	**3.5**	1.4 U	**6.4**
Tetrahydrofuran	µg/m³	0.45 U	0.45 U	**5.4 D**	**5.4 DJ**	0.45 UJ	0.45 UJ	**10**	**8.4**	**0.75 J**	**0.66**	**0.95 NJ**	**3.2 NJ**	15 U	**1.4 NJ**	**3.1 J**	**1.9 J**
Toluene	µg/m³	**18 DJ**	**12 DJ**	**6.1**	**15 DJ**	**5.2**	**4.3**	**2.4**	**2.5**	**2.7**	**1.6 J**	**2.9**	**3.2**	**6.3**	**5.8**	**2.2**	**6.2**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**1.5**	**13**	**8.1**	**10 D**	**2.7 J**	0.79 U	0.79 U	0.79 U	**1.0**	0.79 U	**4.9**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**1.7**	**1.9**	**1.2**	**3.4 J**	**0.60**	**3.3**	0.22 U	0.82 U	**0.33**	0.82 U	0.21 U	**0.14 NJ**	**1.4**	**0.85**	0.21 U	**0.74**
Trichlorofluoromethane	µg/m³	**2.9**	**2.6**	**9.2**	**5.1 J**	**1.9**	**1.9**	**62 D**	**50 D**	**22 D**	**27 D**	**2.5**	**2.0**	**1.7**	**1.6**	**1.8**	**1.5**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-3A															
Area		CET Warehouse															
Date Collected		08/26/09		01/13/10		01/25/11		01/26/12		01/23/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	**110 D**	0.83 U	**88 D**	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	14 U	22 U	1.1 U	1.1 U	1.1 U	5.5 U
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	18 U	28 U	1.4 U	1.4 U	1.4 U	6.9 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	**36 D**	1.2 U	**6.4**	1.2 U	**0.78 J**	**1.1 J**	**0.86 J**	**0.86 J**	**1.0 J**	20 U	31 U	**0.53 NJ**	**0.61 NJ**	**0.66 J**	7.7 U
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	14 U	22 U	1.1 U	1.1 U	1.1 U	5.5 U
1,1-Dichloroethane	µg/m³	0.62 U	**6.5 J**	0.62 U	**3.0**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	10 U	16 U	0.81 U	0.81 U	0.81 U	4.0 U
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	10 U	16 U	0.79 U	0.79 U	**1.2**	4.0 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	R	48 UJ	75 UJ	3.7 U	3.7 U	3.7 U	19 U
1,2,4-Trimethylbenzene	µg/m³	**4.8 J**	**6.5 J**	**1.3**	**12 DJ**	**1.3**	**1.0**	**1.8**	**1.9**	**1.4**	**2.9**	13 U	20 U	**1.4**	**0.78 NJ**	**1.4**	4.9 U
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	20 U	31 U	1.5 U	1.5 U	1.5 U	7.7 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	18 U	28 U	1.4 U	1.4 U	1.4 U	7.0 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	16 U	24 U	1.2 U	1.2 U	1.2 U	6.0 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	10 U	16 U	0.81 U	0.81 U	0.81 U	4.0 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	12 U	19 U	0.92 U	0.92 U	0.92 U	4.6 U
1,3,5-Trimethylbenzene	µg/m³	**1.2 J**	0.75 UJ	**0.50 J**	**5.4 J**	**0.50 J**	0.75 U	**1.0**	**0.70 J**	**0.70 J**	**0.95 J**	13 U	20 U	**0.54 NJ**	**0.24 NJ**	**0.69 J**	4.9 U
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 UJ	5.7 U	8.9 U	**0.35 NJ**	**0.28 NJ**	**0.35 J**	2.2 U
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	16 U	**3.8 NJ**	1.2 U	1.2 U	1.2 U	6.0 U
1,4-Dichlorobenzene	µg/m³	**14 J**	**12 DJ**	0.92 U	**1.2 J**	**3.7**	**4.4**	**17 D**	**11**	0.92 U	0.92 U	16 U	24 U	1.2 U	1.2 U	1.2 U	6.0 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	R	R	230 U	360 U	18 U	18 U	18 U	90 U
2,2,4-Trimethylpentane	µg/m³	**0.95**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	12 U	19 U	**0.98**	**0.71 NJ**	0.93 U	4.7 U
2-Butanone	µg/m³	**5.5**	**7.0 J**	**17 D**	**3.6**	**4.2**	0.90 U	**4.0**	**10**	**2.8 J**	**2.5 J**	19 U	**35**	**4.4**	**11**	**3.2**	**8.2**
2-Hexanone	µg/m³	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	R	26 U	41 U	2.0 U	**1.5 NJ**	2.0 U	10 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	20 U	31 U	1.6 U	1.6 U	1.6 U	7.9 U
4-Ethyltoluene	µg/m³	**3.6 J**	0.75 UJ	**0.50 J**	**5.4 J**	0.75 U	0.75 U	**0.80**	**0.75**	0.75 UJ	**0.85**	13 U	20 U	**0.62 NJ**	**0.18 NJ**	**0.76 J**	4.9 U
4-Methyl-2-pentanone	µg/m³	**0.75 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**2.5**	R	R	26 U	41 U	**0.81 NJ**	**1.1 NJ**	2.0 U	10 U
Acetone	µg/m³	**120 D**	**41 D**	**140 D**	**17 D**	**35 D**	**22 D**	**59 D**	**100 D**	**45 DJ**	**29 D**	150 U	240 U	**34**	**120 D**	**28**	**68**
Benzene	µg/m³	**1.0**	**0.81 J**	**1.3**	**0.81**	**0.88**	**0.84**	**0.97**	**1.1**	**1.0**	**1.3**	8.2 U	13 U	**2.1**	**1.8**	**0.85**	3.2 U
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	13 U	21 U	1.0 U	1.0 U	1.0 U	5.2 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	17 U	27 U	1.3 U	1.3 U	1.3 U	6.7 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	27 U	42 U	2.1 U	2.1 U	2.1 U	10 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	10 U	16 U	0.78 U	0.78 U	0.78 U	3.9 U
Carbon Disulfide	µg/m³	**0.51**	**4.1 J**	0.47 U	**0.73**	0.47 U	0.47 U	0.47 U	0.47 U	**0.32 J**	0.47 U	20 U	31 U	1.6 U	1.6 U	1.6 U	7.8 U
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.45**	0.96 U	**0.26**	**0.38 J**	**0.70**	**0.70 J**	**0.64 J**	**0.70 J**	3.2 U	5.1 U	**0.51**	**0.57**	**0.46**	1.3 U
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	12 U	19 U	0.92 U	0.92 U	0.92 U	4.6 U
Chloroethane	µg/m³	0.40 U	**1.3 J**	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	17 U	27 U	1.3 U	1.3 U	1.3 U	6.6 U
Chloroform	µg/m³	**1.2**	**21 J**	0.74 U	**21 D**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	13 U	20 U	**34**	**28**	**0.79 J**	4.9 U
Chloromethane	µg/m³	**1.0**	0.31 U	**0.67**	0.31 U	**0.94**	**0.67**	0.31 U	0.31 U	**1.2 J**	**1.4 J**	13 U	21 U	**1.5**	**1.5**	**2.0**	5.2 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	**5.6 J**	0.60 U	**5.6**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	10 U	16 U	0.79 U	0.79 U	0.79 U	4.0 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	12 U	18 U	0.91 U	0.91 U	0.91 U	4.5 U
Cyclohexane	µg/m³	**24 D**	0.52 U	0.52 U	**5.6**	**1.4**	**1.5**	**7.7**	**8.7**	0.52 U	0.52 U	**8.7 NJ**	14 U	**4.5**	**4.2**	**22**	**8.1**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	22 U	34 U	1.7 U	1.7 U	1.7 U	8.5 U
Dichlorodifluoromethane	µg/m³	**2.9**	**2.4 J**	**1.8**	**2.0**	**2.5 J**	**2.0 J**	**3.0**	**2.8**	**2.8**	**3.2**	32 U	50 U	**2.5**	**2.7**	**3.3**	**2.4 J**
Ethyl acetate	µg/m³	**4.9**	0.92 U	**4.9**	**1.5**	**1.0**	**1.2**	0.92 U	**1.5**	**2.3 J**	**1.8 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	**1.1 J**	**1.0 J**	**0.57 J**	**3.3 J**	0.66 U	0.66 U	**1.0**	**1.7**	**0.71**	**1.6**	11 U	17 U	**0.79 NJ**	**0.67 NJ**	**0.48 J**	4.3 U
Heptane	µg/m³	**5.5**	0.62 U	**2.6**	**3.3**	**1.7**	**1.4**	**6.1**	**5.2**	**5.3**	**5.2**	11 U	16 U	**1.6**	**1.5**	**2.1**	4.1 U
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	R	28 U	43 U	2.1 U	2.1 U	2.1 U	11 U
Isopropyl alcohol	µg/m³	**3,500 D**	**260 D**	**1,900 D**	**300 D**	**610 JD**	**490 JD**	**1,100 DJ**	**2,700 EDJ**	**2,300 D**	**790 D**	**810**	**1500**	**1700 J**	**1000 J**	**2400 J**	**750 J**
m&p-Xylene	µg/m³	**2.8 J**	**3.0 J**	**2.0**	**11 DJ**	**1.3 J**	**1.3 J**	**2.4**	**4.6**	**2.2**	**5.9**	28 U	44 U	**2.2**	**1.9 NJ**	**0.94 J**	11 U
Methyl tert-butyl ether	µg/m³	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	9.3 U	14 U	0.72 U	0.72 U	0.72 U	3.6 U
Methylene Chloride	µg/m³	**1,500 D**	**390 D**	**290 D**	**18 D**	**530 D**	**380 D**	**790 D**	**1,900 D**	**2,700 D**	**3,300 D**	**1500**	**1400**	**500 D**	**400 D**	**1800 D**	**1800 D**
n-Hexane	µg/m³	0.54 U	**4.4 J**	**3.2**	**1.4**	**1.7**	**0.97**	**2.1**	0.54 U	**5.8 J**	**5.1 J**	9.1 U	14 U	**5.6**	**4.1**	**2.8**	3.5 U
o-Xylene	µg/m³	**1.3 J**	**1.6 J**	**0.75**	**6.7 J**	**0.44 J**	0.66 U	**0.71**	**1.2**	**0.79**	**1.9**	11 U	17 U	**0.78 NJ**	**0.57 NJ**	**0.35 J**	4.3 U
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**2.0 J**	**3.1 J**	0.65 U	**0.74 J**	0.65 U	0.65 U	0.65 U	**5.8**	**0.65**	**0.61 J**	11 U	17 U	**0.71 NJ**	**0.39 NJ**	**1.9**	4.3 U
Tetrachloroethene	µg/m³	1.0 U	**12 J**	1.0 U	**90 DJ**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	17 U	27 U	1.4 U	**0.44 NJ**	1.4 U	6.8 U
Tetrahydrofuran	µg/m³	0.45 U	**15 J**	**4.5 D**	**1.6**	**9.2 J**	**5.9 J**	**30 D**	**58 D**	**2.2 J**	**1.9 J**	**20 NJ**	**6.0 NJ**	**5.5 NJ**	**3.5 NJ**	**14 J**	73 U
Toluene	µg/m³	**19 DJ**	**11 DJ**	**9.6 D**	**11 DJ**	**5.5 D**	**6.6**	**7.2**	**6.8**	**5.9**	**6.9 D**	**5.5 NJ**	**5.7 NJ**	**8.7**	**6.1**	**9.1**	3.8 U
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.93	0.60 U	0.60 U	**3.9**	**3.2**	**1.9**	**1.4**	10 U	16 U	0.79 U	0.79 U	**0.56 J**	4.0 U
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	12 U	18 U	0.91 U	0.91 U	0.91 U	4.5 U
Trichloroethene	µg/m³	**1.6**	**460 D**	**0.76**	**1,900 D**	**0.55**	**0.33 J**	0.22 U	**0.66 J**	**1.8**	**1.7**	2.8 U	4.3 U	**1.5**	**0.97**	0.21 U	1.1 U
Trichlorofluoromethane	µg/m³	**2.1**	**1.7 J**	**1.1**	**0.97**	**1.4**	**1.2**	**8.9**	**9.7**	**4.3**	**5.2**	14 U	23 U	**1.5**	**1.5**	**1.7**	5.6 U
Vinyl Acetate	µg/m³	0.54 UJ	**0.75 J**	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	11 U	18 U	0.87 U	0.87 U	0.87 U	4.4 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	1.3 U	2.1 U	0.10 U	0.10 U	0.10 U	0.51 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-3B															
Area		Southeast Side of CET Packaging Area															
Date Collected		08/26/09		01/13/10		01/24/11		01/26/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	**0.50 J**	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U [0.83 U]	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	**0.93 J**	1.2 U	1.2 U	1.2 U	1.2 U	**0.78 J [0.93 J]**	**0.86 J**	**0.86 J [0.86 J]**	**1.1 J**	**0.56 NJ**	**0.24 NJ**	**0.51 NJ**	**0.63 NJ**	**0.57 J**	**0.56 J**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U [0.83 U]	0.83 U	0.83 U [0.83 U]	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U [0.62 U]	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U [0.60 U]	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U [1.1 U]	1.1 U	R [R]	1.1 U	3.7 U	3.7 UJ	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**3.4 J**	**16 J**	**1.0**	**5.7 J**	**1.3**	**1.7**	**1.5 [1.0]**	**1.2**	**3.3 [2.6]**	**1.8**	0.98 U	**0.21 NJ**	**0.71 NJ**	**0.91 NJ**	**0.32 J**	0.98 U
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	1.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U [1.1 U]	1.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U [0.62 U]	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U [0.70 U]	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**0.90 J**	**4.4 J**	**0.50 J**	**2.0 J**	**0.55 J**	**0.80**	0.75 U [0.75 U]	0.75 U	**0.70 J [0.50 J]**	**0.65 J**	0.98 U	**0.095 NJ**	**0.23 NJ**	**0.29 NJ**	0.98 U	0.98 U
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U	0.34 U [0.34 UJ]	0.34 U	0.44 U	0.44 U	**0.36 NJ**	**0.32 NJ**	**1.1**	**0.78**
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U	1.2 U	**1.9**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**7.2 J**	**11 J**	0.92 U	0.92 U	**1.4**	**4.6**	**0.67 J [0.67 J]**	0.92 U	0.92 U [0.92 U]	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	R [R]	1.1 UJ	18 U	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	**0.62 J**	**0.66 J**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]	0.71 U	0.71 U [0.71 U]	0.71 U	0.93 U	**0.41 NJ**	**0.69 NJ**	**0.56 NJ**	0.93 U	0.93 U
2-Butanone	µg/m³	**3.7**	**6.4**	**13 D**	**8.7 J**	0.90 U	0.90 U	0.90 U **[1.2]**	**2.5**	**0.60 J [0.69 J]**	**1.0 J**	**2.3**	**13**	**1.7**	1.5 U	1.5 U	**2.4**
2-Hexanone	µg/m³	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	R [R]	1.2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U [0.48 U]	0.48 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**2.5 J**	**5.6 J**	0.75 U	**1.1 J**	0.75 U	0.75 U	0.75 U [0.75 U]	0.75 U	0.75 UJ [0.75 UJ]	0.75 U	0.98 U	**0.095 NJ**	**0.24 NJ**	**0.19 NJ**	0.98 U	0.98 U
4-Methyl-2-pentanone	µg/m³	**0.58 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	**0.62 J**	R [R]	1.2 U	2 U	2.0 U	2.0 U	**1.1 NJ**	2.0 U	2.0 U
Acetone	µg/m³	**42 D**	**91 D**	**110 D**	**130 D**	**19 D**	**29 D**	**17 D [30 D]**	**46 D**	**9.5 [14 DJ]**	**17 D**	**12 NJ**	**24**	**15**	**11 NJ**	**14**	**18**
Benzene	µg/m³	**0.78**	**1.2**	**1.1**	**1.3**	**0.84**	**1.0**	**1.1 [1.1]**	**1.0**	**1.8 [1.8]**	**1.7**	**0.86**	**0.59 NJ**	**1.6**	**1.6**	**0.75**	**0.87**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U [0.88 U]	0.88 U	0.88 U [0.88 U]	0.88 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 UJ	1.6 U [1.6 U]	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U [0.59 U]	0.59 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**0.54**	**2.1**	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U [0.47 U]	0.47 U	0.47 U [0.47 U]	0.47 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.38**	**0.51 J**	**0.26**	**0.38 J**	**0.64 [0.77]**	**0.77 J**	**0.77 J [0.77 J]**	**0.77 J**	**0.41**	**0.22 NJ**	**0.50**	**0.51**	**0.45**	**0.48**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U [0.70 U]	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U [0.40 U]	0.40 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**1.1**	**1.2**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U [0.74 U]	0.74 U	0.74 U [0.74 U]	0.74 U	0.98 U	0.98 U	**3.2**	**3.5**	0.98 U	0.98 U
Chloromethane	µg/m³	**0.80**	**1.1**	**0.59**	**0.61**	**0.67**	**0.65**	0.31 U [0.31 U]	0.31 U	**1.4 J [1.3 J]**	**1.3**	1 U	1.0 U	**1.3**	**1.2**	**1.5**	**1.1**
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U [0.60 U]	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U [0.69 U]	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**8.7 D**	**20 D**	0.52 U	**10 D**	0.52 U	**1.8**	**4.7 [4.3]**	**5.5**	0.52 U [0.52 U]	0.52 U	**2.9**	**0.94**	**1.0**	**1.6**	**0.97**	**1.9**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U [1.3 U]	1.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.6**	**2.6**	**1.9**	**2.1**	**1.9 J**	**2.1 J**	**2.8 [2.9]**	**3.0**	**3.2 [3.3]**	**2.8**	**2.3 NJ**	**1.0 NJ**	**2.7**	**2.5**	**2.9**	**2.3 J**
Ethyl acetate	µg/m³	**3.3**	**3.3**	**2.3**	**2.5**	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	**0.37 J [0.40 J]**	**0.40 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	**0.84 J**	**2.4 J**	**0.49 J**	**1.1 J**	**0.97**	**1.2**	**0.66 [0.57 J]**	**0.93**	**0.53 J [0.53 J]**	**0.88**	**0.21 NJ**	**0.18 NJ**	**0.58 NJ**	**0.68 NJ**	**0.33 J**	**0.22 J**
Heptane	µg/m³	**3.6**	**7.8**	**2.6**	**3.4**	**3.1**	**3.2**	**3.3 [3.4]**	**3.3**	**1.2 [1.2]**	**1.0**	**0.49 NJ**	**1.0**	**0.75 NJ**	**0.81**	**0.32 J**	**1.2**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U [1.6 U]	1.6 U	R [R]	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**1,400 D**	**1,900 D**	**980 D**	**660 D**	**210 JD**	**290 JD**	**260 EDJ [390 EDJ]**	**330 D**	**340 DJ [340 DJ]**	**250 DJ**	**94**	**380 J**	**200 J**	**80**	**340 J**	**130 J**
m&p-Xylene	µg/m³	**2.1 J**	**5.0 J**	**1.1 J**	**3.7 J**	**1.1 J**	**1.9 J**	**1.3 [1.2 J]**	**1.8**	**1.6 [1.2 J]**	**2.3**	**0.39 NJ**	**0.50 NJ**	**1.5 NJ**	**1.9 NJ**	**0.52 J**	**0.42 J**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U [0.55 U]	0.55 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**550 D**	**930 D**	**590 D**	**410 D**	**150 D**	**160 D**	**130 D [180 D]**	**180 D**	**180 D [210 D]**	**190 D**	**39**	**21**	**57**	**76**	**52**	**54**
n-Hexane	µg/m³	0.54 U	0.54 U	**1.8**	**4.1**	**1.1**	**1.1**	**1.3** [0.54 U]	0.54 U	**0.50 J [0.64 J]**	**0.57 J**	**0.47 NJ**	**1.1**	**1.4**	**1.2**	**0.31 J**	**0.79**
o-Xylene	µg/m³	**0.88 J**	**1.8 J**	0.66 U	**1.5 J**	**0.79**	**1.1**	0.66 U [0.66 U]	**0.62 J**	**0.79 [0.57 J]**	**0.75**	0.87 U	**0.20 NJ**	**0.54 NJ**	**0.53 NJ**	**0.19 J**	0.87 U
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U [0.26 U]	0.26 U	0.26 U [0.26 U]	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**2.5 J**	**3.1 J**	**1.3**	**1.1 J**	**8.6**	**7.2**	**0.69 [0.74]**	**1.3**	**1.4 [1.3]**	**1.4**	0.85 U	0.85 U	**0.97**	**1.2**	**1.6**	0.85 U
Tetrachloroethene	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U	**0.32 NJ**	1.4 U	1.4 U	**0.55 NJ**	**0.29 J**	**0.37 J**
Tetrahydrofuran	µg/m³	0.45 U	**13**	**6.9 D**	**7.2 D**	0.45 UJ	0.45 UJ	**4.7 [4.0]**	**5.4**	**3.1 J [3.4 J]**	**0.87**	15 U	**0.55 NJ**	15 U	**1.3 NJ**	15 U	15 U
Toluene	µg/m³	**5.7 DJ**	**9.4 J**	**7.7 D**	**8.4 DJ**	**12 D**	**11 D**	**6.5 [6.0]**	**9.2 DJ**	**3.1 [2.9]**	**2.3**	**2.1**	**1.2**	**3.4**	**3.3**	**2.2**	**2.6**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	**6.5 [7.2]**	**2.9 J**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**0.37 J**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U [0.69 U]	0.69 U	0.69 U [0.69 U]	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**1.6**	**2.2**	**1.1**	**1.7**	**0.66**	**0.60 J**	0.22 U **[0.33]**	0.82 U	**0.27 [0.27]**	0.82 U	0.21 U	0.21 U	**2.0**	**1.0**	0.21 U	**0.22**
Trichlorofluoromethane	µg/m³	**1.9**	**3.3**	**1.0**	**1.1**	**1.3**	**1.3**	**95 [150]**	**140 D**	**10 [11]**	**9.1**	**1.4**	**0.61 NJ**	**1.5**	**1.6**	**1.6**	**1.5**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]	0.54 U	0.54 U [0.54 U]	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U [0.67 U]	0.67 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U [0.10 U]	0.39 U	0.10 U [0.10 U]	0.39 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-3C				VMP-3D															
Area		Near Northeast Side of CET Packaging Area				Near Southwest Side of Mold Storage															
Date Collected		08/26/09		01/13/10		08/26/09		01/13/10		01/25/11		01/26/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 UJ]	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	**0.86 J**	1.2 U	1.2 U	1.2 U	1.2 U	**1.0 J**	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	**0.86 J**	1.2 U **[0.78 J]**	**1.4**	**1.1 J**	**0.62 NJ**	**0.48 NJ**	**0.46 NJ**	**0.50 NJ**	**0.59 J**	**0.55 J**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ [0.83 UJ]	0.83 U	0.83 U [0.83 U]	0.83 U	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ [1.1 UJ]	1.1 U	1.1 U [1.1 U]	R	1.1 U	3.7 U	3.7 UJ	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**2.3 J**	**5.6 J**	**1.3**	**0.80**	**2.7 J**	**5.1 J**	**290 DJ**	**0.90**	**1.1**	**1.0 [0.95]**	**1.0**	**0.80 [1.3]**	**0.85**	**0.80**	**0.2 NJ**	0.98 U	**0.74 NJ**	**0.88 NJ**	**0.28 J**	**1.3**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**0.80 J**	0.75 UJ	**0.70 J**	**0.85**	**0.65 J**	**1.7 J**	**62 DJ**	**0.50 J**	0.75 U	0.75 U [0.75 U]	0.75 U	0.75 U **[0.60 J]**	0.75 UJ	0.75 U	0.98 U	0.98 U	**0.21 NJ**	**0.27 NJ**	0.98 U	**0.34 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U [0.34 U]	0.34 U	0.34 U [0.34 U]	0.34 UJ	0.34 U	0.44 U	**0.54**	**0.33 NJ**	**0.50**	**1.1**	**0.81**
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**4.6 J**	**6.8 J**	0.92 U	0.92 U	**4.5 J**	**5.6 J**	0.92 U	0.92 U	0.92 U	**0.73 J [0.67 J]**	0.92 U	0.92 U **[0.79 J]**	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U [1.1 U]	R	1.1 UJ	18 U	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	**0.52 J**	**0.62 J**	0.71 U	0.71 U	**0.52 J**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]	0.71 U	0.71 U [0.71 U]	0.71 UJ	0.71 U	0.93 U	0.93 U	**0.54 NJ**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**3.0**	**4.9**	**4.9**	**4.0**	**3.0**	**3.3**	**4.2 J**	**6.3 DJ**	0.90 U	0.90 U [0.90 U]	0.90 U	**1.3 [2.2]**	**0.81 J**	**0.84 J**	1.5 U	**42**	**2.0**	**1.5**	1.5 U	**2.4**
2-Hexanone	µg/m³	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	R	1.2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	**1.5 J**
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**1.8 J**	0.75 UJ	0.75 U	0.75 U	**2.3 J**	**5.4 J**	**57 DJ**	0.75 U	0.75 U	0.75 U [0.75 U]	0.75 U	0.75 U [0.75 U]	0.75 UJ	0.75 U	0.98 U	0.98 U	**0.25 NJ**	**0.14 NJ**	**0.18 J**	**0.34 J**
4-Methyl-2-pentanone	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	**0.67 J**	**1.5 J**	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	R	1.2 U	2 U	2.0 U	2.0 U	2.0 U	**57**	2.0 U
Acetone	µg/m³	**48 D**	**84 D**	**30 D**	**86 D**	**59 D**	**65 D**	**70 DJ**	**81 D**	**8.9 D**	**8.2 D [7.8 D]**	**24 D**	**33 D [24 D]**	**8.5 DJ**	**15 D**	**8.4 NJ**	**33**	**19**	**14**	**18**	**49**
Benzene	µg/m³	**0.68**	**0.71 J**	**1.1**	**1.1**	**0.71**	**0.71 J**	**1.4 J**	**1.1**	**0.91**	**0.94 [0.94]**	**1.2**	**0.71 [1.1]**	**1.9**	**1.8**	**0.98**	**0.73**	**1.4**	**1.0**	**0.79**	**0.78**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ [0.88 UJ]	0.88 U	0.88 U [0.88 U]	0.88 U	0.88 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 UJ [1.6 UJ]	1.6 U	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**1.2**	**2.0**	0.47 U	0.47 U	**0.76**	**2.3**	0.47 U	0.47 U	0.47 U	0.47 U [0.47 U]	0.47 U	0.47 U [0.47 U]	0.47 U	0.47 U	1.6 U	**0.68 NJ**	1.6 U	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.45**	**0.38 J**	**0.45**	0.96 U	**0.51 J**	**0.45 J**	**0.32**	**0.32 J [0.32 J]**	**0.70**	0.96 U **[0.77 J]**	**0.77 J**	**0.83 J**	**0.45**	**0.36**	**0.48 J**	**0.50**	**0.46**	**0.46**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**1.2**	**1.0**	0.74 U	0.74 U	**1.4**	**1.2**	0.74 U	0.74 U	0.74 U	0.74 U [0.74 U]	0.74 U	0.74 U [0.74 U]	0.74 U	0.74 U	0.98 U	0.98 U	**3.2**	**0.86 NJ**	0.98 U	**1.1**
Chloromethane	µg/m³	**1.0**	**0.97**	**0.50**	**0.52**	**1.0**	**0.92**	**0.57 J**	**0.57**	**0.76**	**0.73 [0.55]**	**1.1**	0.31 U [0.31 U]	**1.3 J**	**1.3**	1 U	1.0 U	**1.1**	1.0 U	**1.7**	**1.1**
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**0.44 J**	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**24 D**	0.52 U	**5.6**	0.52 U	0.52 U	**17 D**	**9.4 DJ**	0.52 U	0.52 U	0.52 U **[1.6]**	**3.4**	**1.8 [3.3]**	0.52 U	0.52 U	**3**	**2.9**	**1.1**	**1.3**	**0.74**	**1.6**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.7**	**2.7**	**2.0**	**1.8**	**2.8**	**2.5**	**2.0 J**	**1.8**	**1.7 J**	**2.1 J [1.9 J]**	**2.8**	**1.8 [2.9]**	**3.3**	**2.8**	**2.4 NJ**	**1.9 NJ**	**2.7**	**2.5**	**3.1**	**2.3 J**
Ethyl acetate	µg/m³	**2.7**	**2.2**	**1.3**	**0.77 J**	**2.5**	**2.3**	**1.5 J**	**1.5**	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	0.92 UJ	0.92 U	-	-	-	-	-	-
Ethylbenzene	µg/m³	**0.88 J**	**6.4 J**	**0.53 J**	**2.2**	**0.75 J**	**0.97 J**	**22 DJ**	**0.44 J**	**0.53 J**	**0.62 J [0.44 J]**	**0.57 J**	**0.44 J [0.79]**	**0.57 J**	**0.62 J**	**0.24 NJ**	0.87 U	**0.50 NJ**	**0.63 NJ**	**0.49 J**	**0.65 J**
Heptane	µg/m³	**3.0**	**10 DJ**	**2.0**	**1.9**	**3.0**	**3.5 J**	**5.8 DJ**	**2.9**	**3.3**	**3.2 [3.2]**	**3.5**	**2.3 [3.7]**	**1.1**	**1.1**	0.82 U	0.82 U	**0.63 NJ**	**0.53 NJ**	**0.32 J**	**2.0**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	1.6 UJ	1.6 UJ	1.6 UJ [1.6 UJ]	1.6 U	1.6 U [1.6 U]	R	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**1,300 D**	**1,200 D**	**590 D**	**150 D**	**1,500 D**	**1,200 D**	**310 DJ**	**720 D**	**51 JD**	**55 JD [63 JD]**	**260 EDJ**	**490 EDJ [220 EDJ**	**280 DJ**	**330 DJ**	**76**	**1200 J**	**200 J**	**57**	**360 J**	**110 J**
m&p-Xylene	µg/m³	**1.8 J**	**16 J**	**1.3 J**	**3.7**	**1.6 J**	**2.0 J**	**110 DJ**	**0.97 J**	**1.0 J**	**1.2 J [1.1 J]**	**1.3 J**	**1.0 J [1.8]**	**1.1 J**	**1.1 J**	**0.56 NJ**	2.2 U	**1.3 NJ**	**1.8 NJ**	**1.2 J**	**2.0 J**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**570 D**	**580 D**	**230 D**	**71 D**	**560 D**	**260 D**	**180 DJ**	**210 D**	**30 D**	**28 D [28 D]**	**66 D**	**120 D [74 D]**	**260 D**	**250 D**	**24**	**29**	**55**	**24**	**36**	**46**
n-Hexane	µg/m³	0.54 U	0.54 U	**2.0**	**2.7**	0.54 U	**2.6**	**8.6 DJ**	**2.0**	**0.97**	**0.97 [0.75]**	0.54 U	**0.64** [0.54 U]	**0.43 J**	**0.39 J**	**0.48 NJ**	**0.46 NJ**	**1.1**	**0.63 NJ**	**0.28 J**	**1.3**
o-Xylene	µg/m³	**0.62 J**	**3.8 J**	**0.49 J**	**0.49 J**	**0.66 J**	**0.88 J**	**58 DJ**	0.66 U	**0.53 J**	**0.49 J [0.49 J]**	**0.49 J**	0.66 U **[0.57 J]**	**0.49 J**	**0.49 J**	**0.19 NJ**	0.87 U	**0.44 NJ**	**0.54 NJ**	**0.45 J**	**0.78 J**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ [0.26 UJ]	0.26 U	0.26 U [0.26 U]	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**2.2 J**	**2.6 J**	**1.8**	0.65 U	**2.9 J**	**2.7 J**	0.65 U	**1.5**	**2.5**	**2.7 [2.5]**	**0.74**	**0.78 [1.4]**	**1.7**	**1.5**	**0.28 NJ**	0.85 U	**1.2**	**1.2**	**1.2**	**1.3**
Tetrachloroethene	µg/m³	**0.76 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U **[0.97 J]**	1.0 U	1.0 U	**0.39 NJ**	**0.14 NJ**	**0.22 NJ**	**0.42 NJ**	1.4 U	**0.40 J**
Tetrahydrofuran	µg/m³	0.45 U	0.45 U	**5.8**	**1.5**	0.45 U	**1.7**	**5.3 J**	**4.5**	0.45 UJ	0.45 UJ [0.45 UJ]	**1.5**	0.45 UJ **[3.6 J]**	0.45 UJ	**0.45**	15 U	**2.3 NJ**	15 U	15 U	15 U	15 U
Toluene	µg/m³	**8.0 J**	**8.0 J**	**6.2**	**11 D**	**7.7 J**	**7.9 J**	**36 DJ**	**5.5**	**2.6**	**3.2 [3.0]**	**4.2**	**2.5 [5.3]**	**3.2**	**2.2**	**1.7**	**0.44 NJ**	**2.9**	**2.5**	**2.0**	**4.2**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U [0.60 U]	**0.89**	**1.0 J**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**0.82**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ [0.69 UJ]	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**2.0**	**1.6 J**	**0.71**	**0.71 J**	**1.9**	**2.5 J**	**0.76 J**	**0.82**	**0.55**	**0.49 J [0.60 J]**	**0.71**	0.82 U **[1.3]**	**0.27**	0.82 U	0.21 U	0.21 U	**2.2**	**0.58**	0.21 U	**0.24**
Trichlorofluoromethane	µg/m³	**2.0**	**2.0**	**1.1**	**0.97**	**2.1**	**3.1**	**2.7 J**	**1.1**	**1.0**	**1.3 [1.1]**	**130 D**	**220 D [170 D]**	**12 D**	**12**	**1.5**	**1.3**	**1.6**	**1.6**	**1.7**	**1.6**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]	0.54 U	0.54 U [0.54 U]	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.39 U	0.39 U	0.10 U	0.39 U [0.39 U]	0.10 U	0.39 U [0.39 U]	0.10 U	0.39 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-3E															
Area		Mold Storage															
Date Collected		08/26/09		01/13/10		01/24/11		01/26/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	**1.3**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.86 J**	**1.2**	1.2 U	**0.66 NJ**	**0.64 NJ**	**0.57 NJ**	**0.53 NJ**	**0.61 J**	**0.61 J**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	1.1 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**3.9 J**	**4.4 J**	**1.1**	**4.1 J**	**3.8**	**5.1**	**1.7**	**1.4**	**0.90**	**0.60 J**	0.98 U	**0.65 NJ**	**2.3**	**0.85 NJ**	0.98 U	**1.2**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	**0.74**	0.62 U	0.62 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**0.90 J**	**1.4 J**	0.75 U	0.75 U	**0.55 J**	**1.2**	**0.55 J**	0.75 U	0.75 UJ	0.75 U	0.98 U	**0.20 NJ**	**0.83 NJ**	**0.25 NJ**	0.98 U	**0.32 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	**0.27 NJ**	0.44 U	**0.29 NJ**	**0.33 NJ**	**0.38 J**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	**4.9 JB**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**3.4 J**	**2.8 J**	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	R	1.1 UJ	18 U	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	**0.76**	**0.62 J**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	**0.44 NJ**	**0.77 NJ**	**0.53 NJ**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**2.5**	**3.8**	**2.8**	**3.4**	0.90 U	0.90 U	0.90 U	**50**	**1.0 J**	**1.0 J**	**1.5**	**72**	1.5 U	**1.8**	**2.2**	**3.6**
2-Hexanone	µg/m³	1.2 UJ	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	**2.1**
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**2.6 J**	**4.2 J**	0.75 U	**0.55 J**	**0.80**	**1.1**	0.75 U	0.75 U	0.75 UJ	0.75 U	0.98 U	**0.19 NJ**	**0.71 NJ**	**0.16 NJ**	0.98 U	**0.36 J**
4-Methyl-2-pentanone	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**3.7**	R	1.2 U	2 U	**0.34 NJ**	2.0 U	**0.90 NJ**	2.0 U	**12**
Acetone	µg/m³	**46 D**	**130 D**	**39 D**	**49 D**	**6.5 D**	**6.9 D**	**24 D**	**17 D**	**9.9 DJ**	**8.5 D**	**15**	**65**	**18**	**23**	**39**	**30**
Benzene	µg/m³	**0.78**	**0.94**	**1.3**	**0.75**	**0.88 J**	**0.94**	**1.0**	**1.4**	**1.4**	**2.0**	**1.1**	**1.1**	**1.4**	**0.79**	**0.77**	**0.67**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**0.41 J**	**1.0**	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	**0.85**	**0.32 J**	0.47 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.51**	**0.45 J**	**0.32**	**0.38 J**	**0.70**	**0.77 J**	**0.77 J**	**0.64 J**	**0.43**	**0.41**	**0.52 J**	**0.44**	**0.47**	**0.48**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**1.2 J**
Chloroform	µg/m³	**1.1**	**19 D**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	**1.6**	0.74 U	0.74 U	0.98 U	0.98 U	**2.2**	0.98 U	**0.77 J**	**0.51 J**
Chloromethane	µg/m³	**0.97**	**0.82**	**0.50**	**0.65**	**0.61**	**0.80**	0.31 U	0.31 U	**1.2 J**	**1.0**	**1.3**	**1.1**	**1.2**	1.0 U	**1.9**	**1.9**
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	0.52 U	0.52 U	**7.0 D**	**2.6**	0.52 U	0.52 U	**5.3**	**5.2**	0.52 U	0.52 U	**6.5**	**4.6**	**1.3**	**0.63 NJ**	**0.62 J**	**1.5**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.7**	**2.7**	**2.0**	**1.9**	**1.9 J**	**2.3 J**	**3.0**	**3.0**	**3.2**	**2.6**	**2.6**	**2.4 NJ**	**2.4 NJ**	**2.6**	**3.3**	**2.3 J**
Ethyl acetate	µg/m³	**1.9**	**1.4**	**0.81 J**	**0.70 J**	0.92 U	0.92 U	0.92 U	0.92 U	0.92 UJ	0.92 U	-	-	-	-	-	-
Ethylbenzene	µg/m³	**1.6 J**	**2.2 J**	**0.44 J**	**1.5 J**	**0.79**	**0.93**	**0.53 J**	**3.4**	0.66 U	**0.71**	**0.36 NJ**	**0.45 NJ**	**0.58 NJ**	**0.63 NJ**	**0.44 J**	**1.4 J**
Heptane	µg/m³	**12 D**	**19 D**	**10 D**	**2.2**	**21 D**	**12 D**	**14**	0.62 U	**0.54 J**	**0.46 J**	0.82 U	0.82 U	**0.50 NJ**	**0.61 NJ**	**0.35 J**	**1.9**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	1.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**1,100 D**	**290 D**	**250 D**	**50 D**	**19 JD**	**15 JD**	**630 EDJ**	**98 D**	**180 DJ**	**37 D**	**110 J**	**1500 J**	**290 J**	**52**	**380 J**	**32**
m&p-Xylene	µg/m³	**4.1 J**	**5.0 J**	**1.3 J**	**4.1 J**	**1.6 J**	**2.1 J**	**1.0 J**	**7.3**	**1.0 J**	**1.3**	**0.79 NJ**	**1.2 NJ**	**1.6 NJ**	**1.8 NJ**	**0.90 J**	**4.0**
Methyl tert-butyl ether	µg/m³	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**440 D**	**210 D**	**150 D**	**66 D**	**9.7 D**	**5.9**	**37 D**	**77 D**	**35 D**	**25 D**	**7.5**	**10**	**31**	**12**	**9.1**	**15**
n-Hexane	µg/m³	**2.3**	**1.8**	**1.8**	**5.8**	**1.4**	**1.8**	**2.0**	0.54 U	0.54 UJ	**0.39 J**	**0.96**	**0.80**	**0.89**	**0.52 NJ**	0.70 U	**1.4**
o-Xylene	µg/m³	**1.2 J**	**1.6 J**	0.66 U	**1.3 J**	**0.66**	**0.62 J**	0.66 U	**1.5**	0.66 U	0.66 U	**0.21 NJ**	**0.51 NJ**	**0.54 NJ**	**0.56 NJ**	0.87 U	**1.4**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**2.5 J**	**1.8 J**	0.65 U	0.65 U	**2.1**	**1.1**	**0.43 J**	**11**	**0.87**	**0.74**	**0.13 NJ**	**0.25 NJ**	**0.92**	**1.0**	**1.0**	**2.4**
Tetrachloroethene	µg/m³	**0.83 J**	**1.9 J**	1.0 U	**8.6 J**	**0.69 J**	**1.2**	1.0 U	**4.2**	1.0 U	1.0 U	**0.39 NJ**	**0.87 NJ**	**0.49 NJ**	**0.68 NJ**	**0.39 J**	**0.63 J**
Tetrahydrofuran	µg/m³	0.45 U	0.45 U	**3.3**	**0.66**	0.45 UJ	0.45 UJ	0.45 U	**4.7**	0.45 UJ	0.45 U	**0.27 NJ**	15 U	15 U	**0.90 NJ**	15 U	15 U
Toluene	µg/m³	**6.5 J**	**7.4 J**	**4.0**	**4.0 J**	**5.7**	**5.8**	**2.8**	**8.4 DJ**	**2.5**	**1.9**	**3.3**	**2.5**	**2.6**	**2.4**	**1.7**	**8.7**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**2.4**	**1.0**	0.60 UJ	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**0.43 J**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**2.1**	**2.8**	**1.3**	**2.5**	**1.3**	**1.3**	**0.38**	**0.93**	**0.27**	0.82 U	0.21 U	**0.20 NJ**	**2.1**	**0.61**	0.21 U	**0.30**
Trichlorofluoromethane	µg/m³	**4.1**	**3.6**	**1.9**	**1.0**	**1.0**	**1.4**	**460 D**	**140 D**	**19 D**	**33 D**	**1.6**	**1.4**	**1.5**	**1.4**	**1.7**	**1.3**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-4															
Area		Southeast Side of Mold Storage															
Date Collected		08/26/09		01/13/10		01/24/11		01/25/12		01/24/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.86 J**	1.2 U	**0.4 NJ**	3.1 U	**0.55 NJ**	**0.86 NJ**	**0.57 J**	**0.82 J**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	1.1 U	3.7 U	7.4 U	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**8.0 DJ**	**20 J**	**10**	**5.0 DJ**	**9.6**	**5.6 JD**	**9.5 D**	**7.9**	**0.95**	**0.80**	**0.26 NJ**	**0.87 NJ**	**1.8**	**1.6**	**14**	**1.6**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.92 U	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**3.8 J**	**3.9 J**	**2.5**	**3.1**	**2.2**	**2.6**	**6.5**	**3.6**	0.75 UJ	0.75 U	**0.15 NJ**	**0.30 NJ**	**1.0**	**0.55 NJ**	**7.4**	**0.54 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	**0.51**	0.88 U	**0.73**	0.44 U	**2.6**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.2 U	**2.7 JB**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**3.8 J**	**4.0 J**	0.92 U	0.92 U	0.92 U	0.92 U	**1.2**	**0.67 J**	0.92 U	0.92 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	R	1.1 UJ	**2.1 NJ**	36 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	**0.57 J**	**0.71**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	**0.62 J**	0.71 U	**0.53 NJ**	1.9 U	**0.53 NJ**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**3.0**	**3.2**	**3.9**	**3.2**	0.90 U	0.90 U	0.90 U	**6.2**	**0.60 J**	**4.0 J**	**1.8**	**66**	1.5 U	**3.7**	**1.5**	**3.0**
2-Hexanone	µg/m³	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U	2 U	4.1 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	1.6 U	3.1 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**8.1 J**	**8.2 J**	**3.0**	**3.3**	**1.8**	**2.3**	**7.2**	**4.5**	0.75 UJ	0.75 U	**0.26 NJ**	**0.37 NJ**	**1.2**	**0.38 NJ**	**8.1**	**0.51 J**
4-Methyl-2-pentanone	µg/m³	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**3.9**	R	1.2 U	2 U	4.1 U	2.0 U	2.0 U	2.0 U	**0.93 J**
Acetone	µg/m³	**81 D**	**80 D**	**110 D**	**100 D**	**22 D**	**9.1 D**	**19 D**	**28 D**	**21 DJ**	**26 D**	**11 NJ**	**84**	**21**	**15**	**13**	**13**
Benzene	µg/m³	**0.71**	**0.97**	**1.3**	**1.2**	**1.1**	**1.3**	**0.81**	**0.55**	**1.3**	**1.1**	**0.93**	**0.95 NJ**	**1.4**	**1.0**	**0.78**	**0.72**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	1 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UJ	1.6 U	1.6 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**1.6**	**0.85**	0.47 U	**1.4**	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	1.6 U	3.1 U	**0.96 NJ**	**1.2 NJ**	1.6 U	**7.7**
Carbon Tetrachloride	µg/m³	**0.45**	0.96 U	**0.45**	**0.45 J**	**0.38**	**0.32 J**	**0.70**	0.96 U	**0.77 J**	**0.64 J**	**0.42**	0.50 U	**0.51**	**0.31**	**0.15 J**	**0.28**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	**0.98**	**1.2**	0.70 U	0.70 U	0.70 U	0.70 U	**0.45 NJ**	**0.56 NJ**	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	1.3 U	2.6 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**0.79**	**0.84**	0.74 U	0.74 U	**0.55 J**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.98 U	2.0 U	**2.0**	**0.67 NJ**	0.98 U	**0.40 J**
Chloromethane	µg/m³	**1.2**	**1.2**	**0.61**	**0.59**	**0.76**	**0.82**	0.31 U	0.31 U	**1.4 J**	**1.2**	1 U	2.1 U	**1.4**	**1.1**	**1.5**	1.0 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	**1.4**	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**60 D**	**45 D**	**36 D**	**36 D**	**10 D**	**9.0 D**	**13 D**	**15 D**	0.52 U	0.52 U	**67**	**40**	**13**	**6.5**	**8.8**	**5.6**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.8**	**2.8**	**2.1**	**2.0**	**2.0**	**2.4 J**	**2.9**	**2.1**	**3.2**	**2.9**	**2.4 NJ**	4.9 U	**2.6**	**2.9**	**3.0**	**2.4 J**
Ethyl acetate	µg/m³	**3.1**	**3.4**	**1.0**	**0.99**	0.92 U	0.92 U	0.92 U	0.92 U	**0.40 J**	**0.55 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	**1.7 J**	**2.3 J**	**0.79**	**0.84**	**0.71**	**0.88**	**2.9**	**2.1**	0.66 U	**0.88**	**0.55 NJ**	**0.80 NJ**	**0.56 NJ**	**0.83 NJ**	**0.37 J**	**5.2 J**
Heptane	µg/m³	**6.7 D**	**19 D**	**52 D**	**55 D**	**3.9**	**6.8**	**5.6**	**3.0**	**0.71**	**0.67**	**0.53 NJ**	1.6 U	**0.72 NJ**	**0.93**	**0.41 J**	**1.5**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	1.6 U	2.1 U	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**2,400 D**	**2,800 D**	**860 D**	**730 D**	**180 JD**	**320 JD**	**680 EDJ**	**190 EDJ**	**170 DJ**	**970 DJ**	**400 J**	**1500 J**	**300 J**	**32**	**670 J**	**130 J**
m&p-Xylene	µg/m³	**2.3 J**	**4.8 J**	**2.4**	**2.6**	**1.5 J**	**1.9 J**	**2.5**	**2.2**	**0.97 J**	**1.3**	**0.65 NJ**	**1.7 NJ**	**1.3 NJ**	**2.8**	**0.68 J**	**5.6**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.72 U	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**510 D**	**610 D**	**420 D**	**490 D**	**23 D**	**20 D**	**220 D**	**310 D**	**35 D**	**49 D**	**6.3**	**5.0**	**35**	**11**	**3.5**	**7.8**
n-Hexane	µg/m³	**0.97**	**1.9**	**1.5**	**1.2**	**1.4**	**1.3**	**0.97**	0.54 U	0.54 UJ	0.54 UJ	**0.71**	1.4 U	**0.96**	**0.99**	**0.26 J**	**0.42 J**
o-Xylene	µg/m³	**1.5 J**	**2.4 J**	**1.1**	**1.2**	**0.93**	**1.1**	**0.88**	**0.75**	**0.44 J**	**0.53 J**	**0.24 NJ**	**0.55 NJ**	**0.52 NJ**	**1.4**	**0.75 J**	**1.7**
Propylene	µg/m³	0.26 U	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**7.4 DJ**	**11 J**	**3.6**	**3.9**	**3.6**	**4.2**	**4.1**	**3.0**	**2.0**	**2.7**	**2**	**1.9**	**1.3**	**1.9**	**4.1**	**3.3**
Tetrachloroethene	µg/m³	1.0 U	**1.1 J**	1.0 U	**6.1**	**0.90 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	**3.3**	1.4 U	**8.6**	1.4 U	**13**
Tetrahydrofuran	µg/m³	**2.0**	0.45 U	**9.6 D**	**8.1 D**	0.45 UJ	0.45 UJ	**14**	**7.1**	**1.1 J**	**1.3**	15 U	29 U	15 U	**2.2 NJ**	**5.7 J**	15 U
Toluene	µg/m³	**17 DJ**	**24 DJ**	**5.5**	**5.3**	**3.6**	**3.9**	**2.6**	**1.9**	**2.9**	**2.5**	**2.7**	**3.8**	**6.1**	**5.2**	**2.2**	**4.9**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	**6.4 D**	**8.7**	**8.1 D**	**11 DJ**	0.79 U	1.6 U	0.79 U	**1.4**	0.79 U	**1.7**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**1.7**	**1.6**	**0.87**	**0.87**	**7.8**	**2.0**	0.22 U	0.82 U	**1.1**	0.82 U	0.21 U	0.43 U	**1.4**	**0.71**	0.21 U	**0.54**
Trichlorofluoromethane	µg/m³	**2.4**	**2.5**	**5.8**	**5.7**	**1.9**	**2.1**	**58 D**	**88 D**	**16 D**	**27 D**	**2.5**	**8.0**	**1.5**	**3.9**	**1.8**	**2.7**
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.87 U	1.7 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-5			VMP-5A														
Area		Mold Storage			Northwest Utica National														
Date Collected		08/26/09		01/13/10	01/25/11		01/26/12		01/23/13		02/12/14		01/15/15		3/25/2015*				
Sample Type	Units	IA	SS	IA	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA		SS		
1,1,1-Trichloroethane	µg/m³	0.83 UJ	0.83 U	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	42 U	**12**	1.1 U	**8.3**	1.1 U	0.82 U	**11**	**4.4**	
1,1,2,2-Tetrachloroethane	µg/m³	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	53 U	7.8 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.0 U	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 UJ	**1.5**	1.2 UJ	1.2 U	1.2 U	**0.93 J**	**1.1 J**	**0.93 J**	**1.0 J**	59 U	**24**	**0.52 NJ**	**20**	**0.59 J**	1.1 U	**24**	**19**	
1,1,2-Trichloroethane	µg/m³	0.83 UJ	0.83 U	0.83 UJ	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	42 U	6.2 U	1.1 U	1.1 U	1.1 U	0.82 U	1.1 U	0.82 U	
1,1-Dichloroethane	µg/m³	0.62 UJ	0.62 U	0.62 UJ	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	31 U	**4.0 NJ**	0.81 U	**1.8**	0.81 U	0.61 U	**2.2**	**2.2**	
1,1-Dichloroethene	µg/m³	0.60 UJ	0.60 U	0.60 UJ	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	30 U	4.5 U	0.79 U	0.79 U	**0.99**	**0.99**	0.79 U	0.59 U	
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	R	**8.3 JB**	21 U	3.7 U	3.7 U	3.7 UJ	1.1 U	3.7 U	1.1 U	
1,2,4-Trimethylbenzene	µg/m³	**4.9 J**	**7.0 J**	**1.7 J**	**2.2**	**2.3**	**1.7**	**1.3**	**1.8**	**2.4**	38 U	**0.94 NJ**	**1.3**	**0.85 NJ**	**1.5**	**1.8**	**1.5**	**1.8**	
1,2-Dibromoethane	µg/m³	1.2 UJ	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	59 U	8.8 U	1.5 U	1.5 U	1.5 U	1.2 U	1.5 U	1.2 U	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 UJ	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	54 U	8.0 U	1.4 U	1.4 U	1.4 U	1.0 U	1.4 U	1.0 U	
1,2-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	46 U	6.9 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	0.90 U	
1,2-Dichloroethane	µg/m³	0.62 UJ	0.62 U	0.62 UJ	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	31 U	4.6 U	0.81 U	0.81 U	0.81 U	0.61 U	0.81 U	0.61 U	
1,2-Dichloropropane	µg/m³	0.70 UJ	0.70 U	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	35 U	5.3 U	0.92 U	0.92 U	0.92 U	0.69 U	0.92 U	0.69 U	
1,3,5-Trimethylbenzene	µg/m³	**1.3 J**	**1.6 J**	**0.60 J**	**0.70 J**	**0.70 J**	**0.55 J**	**0.90**	**0.60 J**	**0.90 J**	38 U	5.6 U	**0.51 NJ**	**0.25 NJ**	**0.74 J**	**0.98**	**0.46 J**	**0.79**	
1,3-Butadiene	µg/m³	0.34 UJ	0.34 U	0.34 UJ	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 UJ	17 U	2.5 U	**0.22 NJ**	0.44 U	**0.30 J**	0.33 U	0.44 U	0.33 U	
1,3-Dichlorobenzene	µg/m³	0.92 UJ	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	46 U	**3.8 NJB**	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	0.90 U	
1,4-Dichlorobenzene	µg/m³	**13 J**	**13 J**	0.92 UJ	**34 D**	**23 D**	**11**	**9.5**	0.92 U	0.92 U	46 U	6.9 U	1.2 U	1.2 U	1.2 U	0.90 U	1.2 U	0.90 U	
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	R	R	690 U	**5.5 NJ**	18 U	18 U	18 U	1.1 UJ	**1.3 J**	1.1 UJ	
2,2,4-Trimethylpentane	µg/m³	**0.81 J**	**0.90 J**	0.71 UJ	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	**0.85**	36 U	**2.8 NJ**	**0.71 NJ**	0.93 U	0.93 U	0.70 U	**0.98**	0.70 U	
2-Butanone	µg/m³	**4.3 J**	**3.6**	**11 DJ**	**3.7**	**6.9**	**4.2**	**3.7**	**2.5 J**	**2.4 J**	56 U	**54**	**4.6**	**3.8**	**3.7**	**3.4 J**	**16**	**3.5 J**	
2-Hexanone	µg/m³	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2U	1.2 U	1.2 U	R	R	78 U	12 U	2.0 U	2.0 U	2.0 U	1.2 UJ	**2.7**	1.2 UJ	
3-Chloropropene	µg/m³	0.48 UJ	0.48 U	0.48 UJ	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	60 U	8.9 U	1.6 U	1.6 U	1.6 U	0.47 U	1.6 U	0.47 U	
4-Ethyltoluene	µg/m³	**3.5 J**	**4.2 J**	**0.65 J**	0.75 U	0.75 U	**0.60 J**	0.75 U	0.75 UJ	**0.75 J**	38 U	5.6 U	**0.60 NJ**	**0.20 NJ**	**0.85 J**	**1.0 J**	**0.43 J**	**0.69 J**	
4-Methyl-2-pentanone	µg/m³	**1.0 J**	**0.58 J**	1.2 UJ	1.2 U	1.2 U	1.2 U	**3.9**	R	R	78 U	12 U	**1.3 NJ**	2.0 U	2.0 U	1.2 UJ	**1.3 J**	1.2 UJ	
Acetone	µg/m³	**98 DJ**	**110 D**	**200 DJ**	**56 D**	**43 D**	**100 D**	**62 D**	**22 DJ**	**35 D**	450 U	**62 NJ**	**37**	**160 D**	**42**	**31 J**	**56**	**16 J**	
Benzene	µg/m³	**0.88 J**	**2.6 J**	**1.3 J**	**1.2**	**1.2**	**1.0**	**0.88**	**1.3**	**3.3**	24 U	**1.2 NJ**	**1.6**	**1.2**	**0.85**	0.48 U	**0.52 J**	0.48 U	
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	40 U	5.9 U	1.0 U	1.0 U	1.0 U	0.86 U	1.0 U	0.86 U	
Bromodichloromethane	µg/m³	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	51 U	7.7 U	1.3 U	1.3 U	1.3 U	1.0 U	1.3 U	1.0 U	
Bromoform	µg/m³	1.6 UJ	1.6 U	1.6 UJ	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	79 U	12 U	2.1 U	2.1 U	2.1 U	1.6 U	2.1 U	1.6 U	
Bromomethane	µg/m³	0.59 UJ	0.59 U	0.59 UJ	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	30 U	4.4 U	0.78 U	0.78 U	0.78 U	0.58 U	0.78 U	0.58 U	
Carbon Disulfide	µg/m³	**2.6 J**	**3.0**	0.47 UJ	0.47 U	**1.8**	0.47 U	0.47 U	**0.60**	0.47 U	60 U	**4.3 NJ**	1.6 U	1.6 U	1.6 U	0.47 U	**0.99 J**	0.47 U	
Carbon Tetrachloride	µg/m³	**0.45 J**	0.96 U	**0.51 J**	**0.32**	**0.26 J**	**0.77**	**0.70 J**	**0.70 J**	**0.77 J**	9.6 U	1.4 U	**0.49**	0.25 U	**0.43**	**0.44 J**	0.25 U	0.94 U	
Chlorobenzene	µg/m³	**0.51 J**	0.70 U	0.70 UJ	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	35 U	5.3 U	0.92 U	0.92 U	0.92 U	0.69 U	0.92 U	0.69 U	
Chloroethane	µg/m³	0.40 UJ	0.40 U	0.40 UJ	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	51 U	7.5 U	1.3 U	1.3 U	1.3 U	0.40 U	1.3 U	0.40 U	
Chloroform	µg/m³	**1.4 J**	**1.6**	0.74 UJ	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	37 U	**51**	**40**	**56**	**0.83 J**	**1.0**	**73**	**65**	
Chloromethane	µg/m³	**1.1 J**	**1.0**	**0.67 J**	**0.76**	**0.88**	0.31 U	0.31 U	**1.4 J**	**1.5 J**	40 U	5.9 U	**1.2**	1.0 U	**1.9**	**0.91**	1.0 U	0.31 U	
cis-1,2-Dichloroethene	µg/m³	0.60 UJ	0.60 U	0.60 UJ	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	30 U	4.5 U	0.79 U	**6.5**	0.79 U	0.59 U	0.79 U	0.59 U	
cis-1,3-Dichloropropene	µg/m³	0.69 UJ	0.69 U	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	35 U	5.2 U	0.91 U	0.91 U	0.91 U	0.68 U	0.91 U	0.68 U	
Cyclohexane	µg/m³	0.52 UJ	**14 D**	**10 DJ**	**2.6**	**1.6**	**18**	**20 D**	0.52 U	0.52 U	26 U	**3.3 NJ**	**3.1**	**1.5**	**18**	**20**	**3.6**	**2.0**	
Dibromochloromethane	µg/m³	1.3 UJ	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	65 U	9.7 U	1.7 U	1.7 U	1.7 U	1.3 U	1.7 U	1.3 U	
Dichlorodifluoromethane	µg/m³	**2.9 J**	**2.6**	**1.9 J**	**1.7**	**1.9 J**	**3.0**	**2.6**	**3.3**	**3.5**	95 U	14 U	**2.6**	**2.2 NJ**	**3.0**	**1.9**	**2.3 J**	**2.0**	
Ethyl acetate	µg/m³	**4.7 J**	**4.4**	**2.6 J**	**25 D**	**7.9 D**	**1.9**	0.92 U	**2.9 J**	**3.6 J**	-	-	-	-	-	0.90 U	-	**2.6**	
Ethylbenzene	µg/m³	**0.88 J**	**2.3 J**	0.66 UJ	**0.84**	**0.79**	**1.9**	**1.7**	**0.93**	**2.2**	33 U	**0.75 NJ**	**0.61 NJ**	**0.62 NJ**	**0.61 J**	**0.43 J**	**0.61 J**	0.65 U	
Heptane	µg/m³	**4.9 J**	**6.0 J**	**1.9 J**	**5.0**	**3.0**	**6.9**	**4.1**	**6.2**	**5.7**	31 U	4.7 U	**2.3**	**1.5**	**3.5**	**2.5**	**2.8**	0.61 U	
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	R	82 U	12 U	2.1 U	2.1 U	2.1 U	1.6 UJ	2.1 U	1.6 UJ	
Isopropyl alcohol	µg/m³	**5,000 DJ**	**4,500 D**	**640 DJ**	**540 JD**	**970 JD**	**3,500 EDJ**	**6,900 EDJ**	**1,100 D**	**890 DJ**	**1700**	**1200 J**	**2100 J**	**290 J**	**2100 J**	**1300**	**260 J**	**300**	
m&p-Xylene	µg/m³	**2.2 J**	**8.2 J**	**1.1 J**	**2.3 J**	**2.3 J**	**3.8**	**3.5**	**2.3**	**7.7**	83 U	12 U	**1.7 NJ**	**1.9 NJ**	**1.5 J**	**0.74 J**	**1.9 J**	1.3 U	
Methyl tert-butyl ether	µg/m³	0.55 UJ	0.55 U	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	28 U	4.1 U	0.72 U	0.72 U	0.72 U	0.54 U	0.72 U	0.54 U	
Methylene Chloride	µg/m³	**2,500 DJ**	**2,100 D**	**660 DJ**	**120 D**	**190 D**	**3,100 D**	**3,000 D**	**1,300 D**	**3,900 D**	**1600**	**350**	**510 D**	**160 D**	**1500 D**	**1900**	**260 D**	**440**	
n-Hexane	µg/m³	0.54 UJ	**5.9**	**2.1 J**	**1.7**	**1.7**	0.54 U	**1.8**	**3.4 J**	**5.8 J**	27 U	**2.5 NJ**	**6.3**	**2.0**	**5.7**	**3.6**	**1.6**	0.53 U	
o-Xylene	µg/m³	**1.0 J**	**2.4 J**	0.66 UJ	**0.62 J**	**0.66**	**0.93**	**0.88**	**0.79**	**2.3**	33 U	5.0 U	**0.56 NJ**	**0.57 NJ**	**0.50 J**	0.65 U	**0.72 J**	**0.52 J**	
Propylene	µg/m³	0.26 UJ	0.26 U	0.26 UJ	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	0.26 U	-	0.26 U	
Styrene	µg/m³	**1.4 J**	**1.5 J**	0.65 UJ	0.65 U	0.65 U	0.65 U	**1.3**	**0.91**	**0.82**	33 U	4.9 U	**0.48 NJ**	**1.1**	**1.7**	**1.5**	**0.87 J**	0.64 U	
Tetrachloroethene	µg/m³	**1.6 J**	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	52 U	**16**	1.4 U	**3.7**	1.4 U	1.0 U	**80**	**75**	
Tetrahydrofuran	µg/m³	**3.6 J**	0.45 U	**50 DJ**	**1.7 J**	**3.3 J**	**52 D**	**21 D**	**2.2 J**	**1.8 J**	**19 NJ**	84 U	**5.1 NJ**	**3.1 NJ**	**11 J**	**8.3**	15 U	**3.1**	
Toluene	µg/m³	**11 DJ**	**23 DJ**	**8.4 DJ**	**31 D**	**16 D**	**9.2 DJ**	**6.7**	**8.0**	**15 D**	**7.1 NJ**	**5.9**	**8.6**	**4.8**	**9.3**	**7.5**	**6.2**	**6.1**	
trans-1,2-Dichloroethene	µg/m³	0.60 UJ	0.60 U	0.60 UJ	0.60 U	0.60 U	0.60 U	**2.0**	**1.1**	**1.5**	30 U	4.5 U	**0.34 NJ**	**0.97**	**0.55 J**	0.59 U	**2.8**	**3.3**	
trans-1,3-Dichloropropene	µg/m³	0.69 UJ	0.69 U	0.69 UJ	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	35 U	5.2 U	0.91 U	0.91 U	0.91 U	0.68 U	0.91 U	0.68 U	
Trichloroethene	µg/m³	**2.3 J**	**1.5 J**	**0.82 J**	**0.76**	**0.49 J**	0.22 U	0.82 U	**2.5**	**1.6**	8.2 U	**26**	**27**	**9.1**	0.21 U	0.21 U	**35**	**30**	
Trichlorofluoromethane	µg/m³	**2.2 J**	**1.9**	**1.1 J**	**1.0**	**1.0**	**30 D**	**37 D**	**9.3**	**6.2**	43 U	6.4 U	**1.4**	**1.4**	**1.6**	**1.3**	**1.3**	**1.3**	
Vinyl Acetate	µg/m³	0.54 UJ	0.54 UJ	0.54 UJ	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	0.53 U	-	0.53 U	
Vinyl Bromide	µg/m³	0.67 UJ	0.67 U	0.67 UJ	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	34 U	5.0 U	0.87 U	0.87 U	0.87 U	0.66 U	0.87 U	0.66 U	
Vinyl Chloride	µg/m³	0.10 UJ	0.39 U	0.10 UJ	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	3.9 U	0.58 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.38 U	

See Page 15 for notes.

Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-5B											
Area		CET Warehouse											
Date Collected		01/25/11		01/26/12		01/23/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	14 U	7.5 U	1.1 U	**0.56 NJ**	1.1 U	**0.52 J**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	18 U	9.5 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	**0.86 J**	**1.0 J**	**1.2**	**1.4**	**1.2**	20 U	11 U	**0.49 NJ**	**0.57 NJ**	**0.69 J**	**0.66 J**
1,1,2-Trichloroethane	µg/m³	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	14 U	7.5 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	11 U	5.6 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	10 U	5.5 U	0.79 U	0.79 U	**1.3**	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	R	48 UJ	26 UJ	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**1.1**	**1.0**	**2.1**	**1.4 J**	**1.5**	**2.7**	13 U	6.8 U	**1.3**	**0.45 NJ**	**1.5**	**1.4 J**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	20 U	11 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	18 U	9.6 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	16 U	8.3 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	11 U	5.6 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	12 U	6.4 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**0.50 J**	0.75 U	**1.0**	**0.70 J**	**0.50 J**	**1.2 J**	13 U	6.8 U	**0.47 NJ**	**0.18 NJ**	**0.76 J**	**0.41 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 UJ	5.8 U	3.1 U	**0.24 NJ**	0.44 U	**0.33 J**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	16 U	**2.2 NJ**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**6.7**	**3.9**	**24 D**	**16 J**	0.92 U	0.92 U	16 U	8.3 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	R	R	230 U	120 U	18 U	18 U	18 U	**1.3 J**
2,2,4-Trimethylpentane	µg/m³	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	12 U	6.4 U	**0.74 NJ**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**3.1**	0.90 U	**4.0**	**3.3**	**2.6 J**	**2.5 J**	19 U	**22**	**4.0**	**2.5**	**4.7**	**4.6**
2-Hexanone	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	R	R	27 U	14 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	20 U	11 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	0.75 U	0.75 U	**0.65 J**	**0.50 J**	0.75 UJ	**1.2 J**	13 U	6.8 U	**0.52 NJ**	**0.16 NJ**	**0.99**	**0.38 J**
4-Methyl-2-pentanone	µg/m³	1.2 U	1.2 U	1.2 U	**1.7**	R	R	27 U	14 U	**0.79 NJ**	**1.6 NJ**	2.0 U	**1.1 J**
Acetone	µg/m³	**43 D**	**19 D**	**150 D**	**37 D**	**35 DJ**	**33 D**	150 U	82 U	**34**	**11 NJ**	**31**	**28**
Benzene	µg/m³	**0.91**	**0.88**	**1.1**	**0.91**	**0.91**	**2.0**	8.3 U	**1.0 NJ**	**1.7**	**1.0**	**0.92**	**0.59 J**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	13 U	7.1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	17 U	9.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	27 U	14 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	10 U	5.4 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	0.47 U	**0.92**	0.47 U	0.47 U	0.47 U	**0.47**	20 U	11 U	**1.2 NJ**	1.6 U	1.6 U	**2.5**
Carbon Tetrachloride	µg/m³	**0.32**	**0.32 J**	**0.77**	0.96 U	**0.70 J**	**0.70 J**	3.3 U	1.7 U	**0.51**	**0.48**	**0.48**	**0.48**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	12 U	6.4 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	17 U	9.1 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	13 U	6.7 U	**34**	**7.5**	**0.82 J**	**1.3**
Chloromethane	µg/m³	**0.69**	**0.65**	0.31 U	0.31 U	**1.3 J**	**1.5 J**	13 U	7.1 U	**1.5**	1.0 U	**1.9**	1.0 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	10 U	5.5 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	12 U	6.3 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**1.6**	**1.1**	**7.7 D**	**4.7**	0.52 U	0.52 U	**8.3 NJ**	**2.9 NJ**	**4.6**	**1.7**	**23**	**5.1**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	22 U	12 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.0 J**	**2.1 J**	**2.8**	**2.3**	**3.1**	**3.3**	32 U	17 U	**2.6**	**2.6**	**3.1**	**2.4 J**
Ethyl acetate	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	**2.0 J**	**2.7 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	**0.49 J**	**0.49 J**	**1.1**	**1.1 J**	**0.75**	**3.7**	11 U	6.0 U	**0.64 NJ**	**0.62 NJ**	**0.52 J**	**0.70 J**
Heptane	µg/m³	**2.0**	**1.1**	**6.2**	**3.1**	**5.8**	**5.3**	11 U	5.7 U	**1.8**	**0.96**	**2.0**	**1.7**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	R	28 U	15 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**590 JD**	**460 JD**	**3,100 DJ**	**1,300 D**	**1,800 D**	**1,200 DJ**	**740**	**970 J**	**1500 J**	**160 J**	**2200 J**	**270 J**
m&p-Xylene	µg/m³	**1.1 J**	**1.2 J**	**2.7**	**3.0 J**	**2.3**	**8.8 D**	28 U	15 U	**1.8 NJ**	**1.7 NJ**	**1.0 J**	**2.1 J**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	9.4 U	5.0 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**500 D**	**320 D**	**2,100 D**	**690 D**	**2,000 D**	**4,100 D**	**1500**	**300**	**460 D**	**130**	**2000 D**	**410 D**
n-Hexane	µg/m³	**1.3**	**1.2**	**2.2**	0.54 U	**5.6 J**	**5.0 J**	9.2 U	4.9 U	**4.9**	**1.1**	**2.6**	**0.73**
o-Xylene	µg/m³	**0.44 J**	0.66 U	**0.79**	**0.71 J**	**0.88**	**3.6**	11 U	6.0 U	**0.60 NJ**	**0.46 NJ**	**0.37 J**	**0.78 J**
Propylene	µg/m³	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	0.65 U	0.65 U	0.65 U	**0.74 J**	**0.61 J**	**0.69**	11 U	5.9 U	**0.66 NJ**	**0.77 NJ**	**2.0**	**0.97**
Tetrachloroethene	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.97 J**	18 U	9.4 U	1.4 U	**0.55 NJ**	1.4 U	**0.38 J**
Tetrahydrofuran	µg/m³	**9.5 J**	**4.7 J**	**39 D**	**19**	**2.3 J**	**1.3 J**	**19 NJ**	**3.6 NJ**	**4.4 NJ**	**1.6 NJ**	**15 J**	**4.9 J**
Toluene	µg/m³	**7.5**	**4.1**	**8.8 D**	**4.8 J**	**5.6**	**17 D**	**5.4 NJ**	**3.2 NJ**	**9.3**	**4.9**	**9.3**	**7.7**
trans-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	**3.7**	**2.3**	**1.9**	**1.1**	10 U	5.5 U	0.79 U	0.79 U	**0.64 J**	**4.0**
trans-1,3-Dichloropropene	µg/m³	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	12 U	6.3 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**0.38**	**0.27 J**	**0.60**	0.82 U	**1.9**	**1.5**	2.8 U	1.5 U	**1.3**	**1.4**	0.21 U	**0.41**
Trichlorofluoromethane	µg/m³	**1.3**	**1.3**	**11**	**6.9**	**4.7**	**4.6**	15 U	7.8 U	**1.4**	**1.5**	**1.7**	**1.3**
Vinyl Acetate	µg/m³	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	11 U	6.0 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	1.3 U	0.71 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-6						VMP-6A											
Area		Northeast Utica National						Central Utica National											
Date Collected		01/24/11		01/26/12		01/24/13		01/24/11		01/26/12		01/23/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U [0.83 UJ]	0.83 U	**13 D**	0.83 U	**44 D**	0.83 U	0.83 U	16 U	**19**	1.1 U	**15**	1.1 U	**16**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 UJ]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	14 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	1.2 U	**0.78 J**	1.2 U	**0.86 J**	1.2 U [1.2 UJ]	1.2 U	**17 D**	1.2 U	**53**	**0.86 J**	**0.93 J**	23 U	**15**	**0.47 NJ**	**15 J**	**0.60 J**	**19**
1,1,2-Trichloroethane	µg/m³	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U [0.83 U]	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	16 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	**0.49 J**	0.62 U	**1.2**	0.62 U	0.62 U	12 U	**27**	0.81 U	**43**	0.81 U	**49**
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	12 U	7.9 U	**0.46 NJ**	0.79 U	**0.65 J**	**0.42 J**
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	1.1 U [1.1 U]	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	R	55 U	37 UJ	3.7 U	**5.0**	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**1.5**	**2.8**	**1.8**	**1.7**	**1.9**	**2.1 [1.7 J]**	**2.4**	**5.5**	**2.7**	**1.9 J**	**2.5**	**2.8**	15 U	9.8 U	**1.4**	**1.9**	**1.6**	0.98 U
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	23 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	21 U	14 U	1.4 U	**6.9**	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	18 U	12 U	1.2 U	**0.77 NJ**	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U [0.62 U]	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	12 U	8.1 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	14 U	9.2 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	0.75 U	**0.80**	**0.70 J**	**0.95**	**0.70 J**	**0.70 J [0.65 J]**	**0.60 J**	**1.4**	**1.4**	0.75 U	**0.90 J**	**0.95 J**	15 U	9.8 U	**0.54 NJ**	**0.54 NJ**	**0.84 J**	0.98 U
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U [0.34 U]	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 UJ	6.5 U	4.4 U	**0.43 NJ**	0.44 U	**0.24 J**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	18 U	**3.8 NJ**	1.2 U	**0.19 NJ**	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**7.6**	**8.0**	**7.4**	**6.9**	0.92 U	0.92 U [0.92 U]	**3.1**	**2.3**	**7.5**	0.92 U	0.92 U	0.92 U	18 U	12 U	1.2 U	**1.8**	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	R	1.1 UJ [1.1 UJ]	1.1 U	1.1 U	1.1 U	1.1 U	R	R	270 U	180 U	**2.7 NJ**	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U [0.71 U]	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	**0.90**	14 U	9.3 U	**1.5**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**3.0**	**3.1**	**3.4**	**4.2**	**2.7 J**	**2.3 J [2.4 J]**	**3.4**	**2.3**	**3.7**	**55**	**3.6 J**	**3.2 J**	22 U	**52**	**5.8**	**5.0**	**5.4**	**6.4**
2-Hexanone	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U [1.2 U]	1.2 U	1.2 U	1.2 U	1.2 U	R	R	30 U	20 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U [0.48 U]	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	23 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	0.75 U	**0.60 J**	**0.65 J**	**0.75**	**0.50 J**	**0.65 J [0.55 J]**	0.75 U	**0.80**	**1.1**	0.75 U	**0.65 J**	**0.95 J**	15 U	9.8 U	**0.61 NJ**	**0.58 NJ**	**0.97**	0.98 U
4-Methyl-2-pentanone	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	R	**1.2 U [0.54 J]**	1.2 U	1.2 U	1.2 U	**7.5**	R	**R**	30 U	20 U	2.0 U	**1.9 NJ**	2.0 U	**0.77 J**
Acetone	µg/m³	**28 D**	**31 D**	**180 D**	**82 D**	**62 DJ**	**50 D [45 D]**	**23 D**	**19 D**	**210 D**	**99 D**	**37 DJ**	**41 D**	180 U	120 U	**43**	**24**	**35**	**23**
Benzene	µg/m³	**1.2**	**1.0**	**1.0**	**0.88**	**1.6**	**1.3 [1.3]**	**1.0**	**0.62**	**1.0**	**1.4**	**1.1**	**4.6**	9.5 U	**1.2 NJ**	**2.0**	**1.3**	**0.87**	**0.48 J**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U [0.88 U]	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	15 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	31 U	21 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U [0.59 U]	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	11 U	7.8 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**0.44 J**	**0.32 J**	0.47 U	0.47 U	0.47 U	0.47 U [0.47 U]	**0.41 J**	**0.44 J**	0.47 U	**19 D**	0.47 U	**0.41 J**	23 U	16 U	**0.76 NJ**	**0.99 NJ**	1.6 U	**0.68 J**
Carbon Tetrachloride	µg/m³	**0.38**	**0.32 J**	**0.70**	**0.77 J**	**0.70 J**	**0.64 J [0.64 J]**	**0.32**	**0.32 J**	**0.77**	**0.83 J**	**0.70 J**	**0.70 J**	3.7 U	2.5 U	**0.45 J**	**0.43**	**0.46**	**0.39**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U [0.70 U]	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	14 U	9.2 U	0.92 U	**0.77 NJ**	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U [0.40 U]	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	20 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	0.74 U	0.74 U	0.74 U	0.74 U	**0.55 J**	0.74 U [0.74 U]	0.74 U	**1.4**	0.74 U	**3.3**	0.74 U	0.74 U	14 U	**21**	**63**	**39**	**1.6**	**22**
Chloromethane	µg/m³	**0.71**	**0.61**	0.31 U	0.31 U	**1.5 J**	**1.4 [1.4]**	**0.59**	**0.42**	0.31 U	0.31 U	**1.4 J**	**1.5 J**	15 U	10 U	**1.8**	**0.51 NJ**	**1.7**	1.0 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U [0.60 U]	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	12 U	7.9 U	0.79 U	**4.2**	0.79 U	**3.2**
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	13 U	9.1 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**1.5**	**1.8**	**8.4 D**	**13 D**	0.52 U	0.52 U [0.52 U]	**5.8**	**2.9**	**17 D**	**13 D**	0.52 U	0.52 U	**11**	**8.8 J**	**11**	**5.2**	**36**	**18**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	25 U	17 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.4 J**	**2.0 J**	**2.8**	**2.6**	**2.9**	**2.8 [2.8]**	**1.9 J**	**2.0 J**	**3.0**	**3.1**	**3.3**	**3.7**	37 U	**9.2 NJ**	**2.7**	**12**	**3.1**	**10**
Ethyl acetate	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	**1.2 J**	**1.0 [0.84 J]**	0.92 U	0.92 U	0.92 U	0.92 U	**2.3 J**	**5.1 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	**0.57 J**	**0.84**	**1.9**	**1.7**	**0.44 J**	**0.66 [0.75 J]**	**0.66**	**1.1**	**3.2**	**4.6 J**	**0.79**	**6.0**	13 U	8.7 U	**0.84 NJ**	**1.2**	**0.49 J**	0.87 U
Heptane	µg/m³	**3.4**	**2.6**	**5.3**	**4.5**	**7.5**	**5.9 [5.8]**	**2.5**	0.62 U	**5.4**	0.62 U	**5.7**	**7.6**	12 U	8.2 U	**1.8**	**1.0**	**2.7**	**1.1**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	1.6 U [1.6 U]	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	R	32 U	21 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**1100 JD**	**1500 JD**	**7,700 EDJ**	**2,100 EDJ**	**3,800 D**	**,000 DJ [2,800 DJ**	**1400 JD**	**980 JD**	**5,600 EDJ**	**1,700 EDJ**	**1,700 D**	**1,700 DJ**	**1100**	**2000 J**	**2100 J**	**440 D**	**2000 J**	**420 J**
m&p-Xylene	µg/m³	**1.3 J**	**2.1 J**	**4.3**	**3.8**	**1.1 J**	**1.4 [1.5 J]**	**2.0 J**	**3.2 J**	**7.8**	**11 J**	**2.7**	**9.3 DJ**	32 U	22 U	**2.0 NJ**	**3.6**	**0.89 J**	2.2 U
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U [0.55 U]	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	11 U	7.2 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**700 D**	**800 D**	**9,500 D**	**2,500 D**	**2,100 D**	**3,600 D [2,300 D]**	**800 D**	**620 D**	**4,400 D**	**1,900 D**	**1,400 D**	**4,400 D**	**1100**	**620**	**750 D**	**310 D**	**1300 D**	**440 D**
n-Hexane	µg/m³	**2.7**	**2.0**	0.54 U	0.54 U	**1.5 J**	**1.3 J [1.2 J]**	**2.6**	**1.8**	0.54 U	**7.2**	**7.1 J**	**5.0 DJ**	10 U	7.0 U	**3.5**	**1.2**	**3.9**	**1.1**
o-Xylene	µg/m³	**0.57 J**	**0.75**	**1.1**	**0.88**	**0.53 J**	**0.53 J [0.62 J]**	**0.79**	**1.1**	**1.8**	**2.4 J**	**1.1**	**4.1**	13 U	8.7 U	**0.74 NJ**	**1.2**	**0.37 J**	0.87 U
Propylene	µg/m³	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U [0.26 U]	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	0.65 U	**0.56 J**	0.65 U	**1.6**	**0.78**	**0.56 J [0.69 J]**	**0.74**	**0.87**	0.65 U	**15 DJ**	**1.2**	**1.1**	13 U	8.5 U	**1.6**	**1.2**	**1.7**	0.85 U
Tetrachloroethene	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	**6.8**	1.0 U	**8.7 J**	1.0 U	**0.97 J**	20 U	14 U	1.4 U	**2.0 J**	1.4 U	**1.9**
Tetrahydrofuran	µg/m³	**8.1 JD**	**11**	**180 D**	**40 D**	**36 D**	**28 D [23 D]**	**38 JD**	**23 JD**	**250 D**	**73 D**	**4.9 J**	**3.1 J**	**57 NJ**	**41 NJ**	**6.1 NJ**	**3.3 NJ**	**14 J**	**13 J**
Toluene	µg/m³	**6.5 D**	**5.8 D**	**8.4**	**7.7**	**5.6**	**3.0 [3.5 J]**	**5.5**	**4.9**	**8.4 D**	**16 DJ**	**5.9**	**38 D**	**6.3 NJ**	**6.8 NJ**	**8.6**	**8.8**	**6.5**	**0.90**
trans-1,2-Dichloroethene	µg/m³	0.60 U	**0.44 J**	0.60 U	0.60 U	**68 D**	**62 DJ [54 DJ]**	**0.56 J**	**0.73**	**2.1**	**2.2**	**1.9**	**1.4**	12 U	7.9 U	**0.43 NJ**	**0.56 NJ**	**0.78**	**3.2**
trans-1,3-Dichloropropene	µg/m³	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U [0.69 U]	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	13 U	9.1 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**1.3**	**0.49 J**	**0.44**	**0.76 J**	**0.22**	0.82 U [0.82 U]	**0.60**	**4.8**	**0.44**	**51 D**	**1.6**	**1.2**	3.2 U	**11**	**1.3**	**36**	0.21 U	**46**
Trichlorofluoromethane	µg/m³	**1.4**	**1.3**	**25 D**	**40 D**	**3.3**	**3.0 [2.7]**	**1.1**	**1.4**	**51 D**	**47 D**	**4.8**	**6.1**	17 U	**23**	**1.5**	**6.7**	**1.7**	**5.2**
Vinyl Acetate	µg/m³	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U [0.54 U]	**4.2**	**2.6**	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U [0.67 U]	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	13 U	8.7 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U [0.39 U]	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	1.5 U	1.0 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

Stantec

Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-6B								VMP-7													
Area		Central Utica National								Between Kitting & Molding Storage DOC													
Date Collected		01/24/13		02/12/14		01/15/15		03/25/15		08/26/09		01/13/10	01/24/11		01/26/12		01/23/13		02/12/14		01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	0.83 U	11 U	11 U	1.1 U	1.1 U	1.1 U	2.2 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	11 U	8.7 U	1.1 U	**4.6**	1.1 U	**4.4 J**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 U	1.0 U	14 U	**2.9 NJ**	1.4 U	1.4 U	1.4 U	2.7 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	14 U	11 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	1.2 U	15 U	**4.2 NJ**	**0.54 NJ**	**1.1 NJ**	**0.56 J**	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.93 J**	**0.78 J**	**0.86 J**	**0.86 J**	15 U	**4.2 NJ**	**0.54 NJ**	**4.7**	**0.56 J**	**4.7**
1,1,2-Trichloroethane	µg/m³	0.83 U	0.83 U	11 U	**2.1 NJ**	1.1 U	1.1 U	1.1 U	2.2 U	0.83 U	0.83 U	0.83 U	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	11 U	8.7 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	0.62 U	8.1 U	**2.5 NJ**	0.81 U	**0.99**	0.81 U	**0.94 J**	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	8.1 U	**8.3**	0.81 U	**5.5**	0.81 U	**5.9**
1,1-Dichloroethene	µg/m³	0.60 U	0.60 U	7.9 U	7.9 U	**0.58 NJ**	0.79 U	**0.93**	1.6 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	7.9 U	6.3 U	**0.49 NJ**	0.79 U	**0.70 J**	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 U	1.1 U	37 UJ	37 UJ	3.7 U	3.7 U	3.7 UJ	7.4 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	R	37 UJ	30 U	3.7 U	3.7 U	3.7 UJ	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**1.4**	**1.5 J**	9.8 U	**2.5 NJ**	**1.3**	**0.94 NJ**	**1.4**	**1.3 J**	**4.9 J**	**7.2 J**	**1.8**	**1.4**	**7.8**	**2.7**	**1.9 J**	**1.7**	**2.5**	9.8 U	7.9 U	**1.5**	**1.7**	**1.4**	**1.1 J**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	15 U	15 U	1.5 U	1.5 U	1.5 U	3.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	15 U	12 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	14 U	14 U	1.4 U	**0.86 NJ**	1.4 U	2.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	14 U	11 U	1.4 U	**8.1 J**	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 U	0.92 U	12 U	**2.3 NJ**	1.2 U	1.2 U	1.2 U	2.4 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	12 U	9.6 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	8.1 U	**1.7 NJ**	0.81 U	0.81 U	0.81 U	1.6 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	8.1 U	6.5 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	9.2 U	9.2 U	0.92 U	0.92 U	0.92 U	1.8 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	9.2 U	7.4 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**0.50 J**	**0.85 J**	9.8 U	**2.3 NJ**	**0.49 NJ**	**0.31 NJ**	**0.72 J**	**0.39 J**	**1.3 J**	**1.7 J**	**0.70 J**	**0.50 J**	**1.4**	**1.2**	**1.0 J**	**0.60 J**	**0.85 J**	9.8 U	7.9 U	**0.56 NJ**	**0.55 NJ**	**0.75 J**	**0.35 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	4.4 U	4.4 U	**0.39 NJ**	0.44 U	**0.26 J**	0.88 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 UJ	4.4 U	3.5 U	**0.36 NJ**	0.44 U	**0.29 J**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 U	0.92 U	12 U	**3.3 NJ**	1.2 U	1.2 U	1.2 U	2.4 U	0.92 UJ	0.92 UJ	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	12 U	**3.9 NJB**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	0.92 U	0.92 U	12 U	**1.9 NJ**	1.2 U	1.2 U	1.2 U	2.4 U	**6.9 J**	**7.5 J**	0.92 U	**3.5**	**0.92**	**7.0**	0.92 U	0.92 U	0.92 U	12 U	9.6 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 UJ	1.1 UJ	180 U	180 U	18 U	18 U	18 U	36 U	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	R	R	180 U	140 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	0.71 U	0.71 U	9.3 U	**3.8 NJ**	**0.81 NJ**	0.93 U	0.93 U	1.9 U	**0.81**	**0.95**	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	**0.76**	9.3 U	7.5 U	**1.0**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**1.5 J**	**2.9 J**	15 U	**29**	**3.5**	**3.8**	**3.5**	**5.7**	**5.0**	**5.8**	**11 D**	**6.9**	**8.6 D**	**3.7**	**23**	**2.8 J**	**2.8 J**	15 U	**73**	**4.2**	**8.5**	**3.8**	**4.2**
2-Hexanone	µg/m³	1.2 U	1.2 U	20 U	20 U	2.0 U	2.0 U	2.0 U	4.1 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	R	R	20 U	16 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	16 U	16 U	1.6 U	1.6 U	1.6 U	3.1 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	16 U	13 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	0.75 U	**0.65 J**	9.8 U	**2.2 NJ**	**0.64 NJ**	**0.23 NJ**	**0.95 J**	**0.41 J**	**3.5 J**	**5.9 J**	**0.65 J**	0.75 U	**1.2**	**1.0**	**1.1 J**	**0.50 J**	**0.95 J**	9.8 U	7.9 U	**0.64 NJ**	**0.35 NJ**	**0.82 J**	**0.38 J**
4-Methyl-2-pentanone	µg/m³	**0.54 J**	1.2 U	20 U	20 U	2.0 U	**2.0**	2.0 U	4.1 U	**0.96 J**	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	**5.4**	R	**R**	20 U	16 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	µg/m³	**37 D**	**35 D**	120 U	120 U	**28**	**16**	**26**	**17 J**	**110 D**	**92 D**	**190 D**	**23 D**	**23 D**	**130 D**	**24 D**	**33 DJ**	**39 D**	120 U	**86 NJ**	**27**	**21**	**23**	**11 J**
Benzene	µg/m³	**1.3**	**1.4**	6.4 U	**1.9 NJ**	**1.8**	**1.2**	**0.79**	**0.70 J**	**1.0**	**1.8**	**1.3**	**1.1**	**1.6**	**1.1**	**1.2 J**	**1.2**	**3.9**	6.4 U	5.1 U	**2.0**	**1.0**	**0.86**	**0.58 J**
Benzyl Chloride	µg/m³	0.88 U	0.88 U	10 U	10 U	1.0 U	1.0 U	1.0 U	2.1 U	0.88 UJ	0.88 UJ	0.88 U	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	10 U	8.3 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	13 U	**2.3 NJ**	1.3 U	1.3 U	1.3 U	2.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	13 U	11 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	21 U	21 U	2.1 U	2.1 U	2.1 U	4.1 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	21 U	17 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	7.8 U	7.8 U	0.78 U	0.78 U	0.78 U	1.6 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	7.8 U	6.2 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	0.47 U	0.47 U	16 U	16 U	1.6 U	1.6 U	1.6 U	3.1 U	**1.1**	**1.3**	0.47 U	0.47 U	**0.63**	0.47 U	0.47 U	0.47 U	**2.7**	16 U	12 U	1.6 U	**1.1 NJ**	1.6 U	1.6 U
Carbon Tetrachloride	µg/m³	**0.64**	**0.64 J**	2.5 U	**2.3 NJ**	**0.52**	**0.47**	**0.43**	**0.43 J**	**0.45**	0.96 U	**0.45**	**0.26**	**0.38 J**	**0.77**	**0.70 J**	**0.70 J**	**0.70 J**	2.5 U	2.0 U	**0.51**	**0.34 J**	**0.42**	0.25 U
Chlorobenzene	µg/m³	0.70 U	0.70 U	9.2 U	**2.0 NJ**	0.92 U	0.92 U	0.92 U	1.8 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	9.2 U	7.4 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	13 U	13 U	1.3 U	1.3 U	1.3 U	2.6 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	13 U	11 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**0.69 J**	**0.69 J**	9.8 U	9.8 U	**50**	**16**	**0.72 J**	**1.7 J**	**1.4**	**1.4**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	9.8 U	7.8 U	**60**	**15**	**0.73 J**	**0.70 J**
Chloromethane	µg/m³	**1.3**	**1.4**	10 U	10 U	**1.8**	1.0 U	**1.8**	2.1 U	**1.7**	**1.2**	**0.97**	**0.69**	**0.73**	0.31 U	0.31 U	**1.5 J**	**1.6 J**	10 U	8.3 U	**1.7**	1.0 U	**1.8**	1.0 U
cis-1,2-Dichloroethene	µg/m³	0.60 U	0.60 U	7.9 U	7.9 U	0.79 U	0.79 U	0.79 U	1.6 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	7.9 U	6.3 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	9.1 U	9.1 U	0.91 U	0.91 U	0.91 U	1.8 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	9.1 U	7.3 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	0.52 U	0.52 U	**11**	**6.2 NJ**	**11**	**3.6**	**38**	**20**	0.52 U	0.52 U	**14 D**	**6.3**	**6.8**	**15 D**	**17 DJ**	0.52 U	0.52 U	**1.9 NJ**	**9.4**	**11**	**2.6**	**41**	**15**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	17 U	17 U	1.7 U	1.7 U	1.7 U	3.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	17 U	14 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**3.0**	**2.9**	25 U	**6.4 NJ**	**2.6**	**6.1**	**3.0**	**5.0**	**3.1**	**2.9**	**1.9**	**2.3 J**	**2.1 J**	**3.1**	**2.5**	**3.4**	**3.6**	25 U	**85**	**2.5**	**84**	**3.2**	**64**
Ethyl acetate	µg/m³	**1.3**	**1.1**	-	-	-	-	-	-	**6.6**	**6.6**	**9.9 D**	0.92 U	0.92 U	0.92 U	0.92 U	**1.6 J**	**3.8 J**	-	-	-	-	-	-
Ethylbenzene	µg/m³	0.66 U	**0.79 J**	8.7 U	**2.3 NJ**	**0.77 NJ**	**0.69 NJ**	**0.50 J**	**0.88 J**	**0.97 J**	**1.9 J**	**0.57 J**	**0.66**	**2.7**	**3.1**	**3.6 J**	**0.75**	**7.0**	8.7 U	6.9 U	**0.88**	**0.86**	**0.45 J**	**0.75 J**
Heptane	µg/m³	**4.7**	**5.4**	8.2 U	8.2 U	**1.4**	**1.2**	**1.6**	**1.8**	**4.4**	**5.4**	**1.6**	**2.2**	**3.4**	**5.8**	**5.6 J**	**4.7**	**5.5**	8.2 U	6.6 U	**1.4**	**1.4**	**1.4**	**1.3**
Hexachlorobutadiene	µg/m³	1.6 U	1.6 U	21 U	21 U	2.1 U	2.1 U	2.1 U	4.3 U	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	R	21 UJ	17 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**3,200 DJ**	**2,700 DJ**	**690**	**970**	**2100 J**	**220 D**	**1900 J**	**390 J**	**5,400 D**	**5,400 D**	**2,000 D**	**1600 JD**	**1200 JD**	**3,700 DJ**	**710 D**	**3,300 DJ**	**1,900 DJ**	**320**	**2200 J**	**1900 J**	**110 D**	**1700 J**	**200 J**
m&p-Xylene	µg/m³	**0.88 J**	**1.6 J**	22 U	**4.7 NJ**	**1.8 NJ**	**1.9 NJ**	**0.95 J**	**2.3 J**	**2.4 J**	**6.1 J**	**1.6**	**1.5 J**	**8.7 J**	**7.8**	**8.6 J**	**2.6**	**13 DJ**	22 U	17 U	**2.0 NJ**	**2.9**	**0.75 J**	**2.0 J**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	7.2 U	7.2 U	0.72 U	0.72 U	0.72 U	1.4 U	0.55 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	7.2 U	5.8 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**660 D**	**1,300 D**	**1300**	**410**	**860 D**	**320 D**	**1500 D**	**520 D**	**1,300 D**	**1,400 D**	**1,800 D**	**970 D**	**850 D**	**2,500 D**	**2,100 D**	**3,700 D**	**3,800 D**	**360**	**670**	**730 D**	**220 D**	**1000 D**	**310 D**
n-Hexane	µg/m³	**0.97 J**	**1.0 J**	7 U	7.0 U	**3.7**	**1.3**	**2.6**	**0.96 J**	**2.0**	**4.1**	**3.3**	**2.2**	**2.5**	0.54 U	0.54 U	**5.7 J**	**5.7 J**	7 U	5.6 U	**3.6**	**2.1**	**2.0**	**0.72**
o-Xylene	µg/m³	0.66 U	**0.53 J**	8.7 U	**2.1 NJ**	**0.61 NJ**	**0.60 NJ**	**0.38 J**	**0.89 J**	**1.0 J**	**1.8 J**	**0.53 J**	**0.62 J**	**3.1**	**1.7**	**1.9 J**	**1.0**	**4.8**	8.7 U	6.9 U	**0.73 NJ**	**1.5**	**0.31 J**	**0.76 J**
Propylene	µg/m³	0.26 U	0.26 U	-	-	-	-	-	-	0.26 U	0.26 U	0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-
Styrene	µg/m³	**0.95**	**1.3 J**	8.5 U	**2.3 NJ**	**1.5**	**1.2**	**2.1**	**1.8**	**2.0 J**	**2.4 J**	**0.78**	**0.87**	**1.4**	0.65 U	**9.7 J**	**1.4**	**1.1**	8.5 U	6.8 U	**1.7**	**1.5**	**1.9**	**1.7**
Tetrachloroethene	µg/m³	1.0 U	1.0 U	14 U	**11 NJ**	1.4 U	**1.3 NJ**	1.4 U	**1.7 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.83 J**	**0.69 J**	**0.90 J**	14 U	11 U	1.4 U	**1.0 NJ**	1.4 U	**0.68 J**
Tetrahydrofuran	µg/m³	**6.3 DJ**	**6.6 DJ**	**27 NJ**	**17 NJ**	**5.0 NJ**	**2.8 NJ**	**16 J**	**14 J**	0.45 U	0.45 U	**70 D**	**31 JD**	**21 JD**	**150 D**	**21 D**	**6.2 J**	**4.0 J**	**4.7 NJ**	**40 NJ**	**5.6 NJ**	**18**	**17**	**7.1 J**
Toluene	µg/m³	**4.2**	**3.7 J**	**5.6 NJ**	**6.7 NJ**	**9.3**	**5.3**	**4.9**	**6.0**	**15 D**	**19 DJ**	**13 D**	**6.4**	**8.3 D**	**8.5**	**11 DJ**	**5.9**	**37 D**	**2 NJ**	**6.6**	**9.2**	**4.4**	**4.2**	**5.7**
trans-1,2-Dichloroethene	µg/m³	**50 DJ**	**36 DJ**	7.9 U	7.9 U	**0.37 NJ**	**0.95**	**0.57 J**	**3.2**	0.60 U	0.60 U	0.60 U	**0.60**	**0.56 J**	**2.1**	0.60 U	**2.2**	**4.5**	7.9 U	6.3 U	**0.39 NJ**	0.79 U	**0.71 J**	**0.64 J**
trans-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	9.1 U	9.1 U	0.91 U	0.91 U	0.91 U	1.8 U	0.69 U	0.69 U	0.69 U	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	9.1 U	7.3 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**0.22**	0.82 U	2.1 U	**2.1 NJ**	**1.4**	**0.68**	0.21 U	0.43 U	**2.0**	**1.9**	**0.87**	**0.55**	**0.55 J**	0.22 U	0.82 U	**2.5**	**1.2**	2.1 U	1.7 U	**1.3**	**0.71**	0.21 U	**0.30**
Trichlorofluoromethane	µg/m³	**3.2**	**3.3**	11 U	11 U	**1.6**	**1.7**	**1.6**	**1.4 J**	**2.4**	**2.2**	**1.0**	**1.4**	**1.3**	**42 D**	**53 D**	**7.1**	**7.3**	11 U	**22**	**1.7**	**8.4**	**1.7**	**7.2**
Vinyl Acetate	µg/m³	**1.8**	0.54 U	-	-	-	-	-	-	0.54 UJ	0.54 UJ	0.54 U	**5.7**	**5.3**	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	8.7 U	8.7 U	0.87 U	0.87 U	0.87 U	1.7 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	8.7 U	7.0 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	1 U	1.0 U	0.10 U	0.10 U	0.10 U	0.20 U	0.10 U	0.39 U	0.10 U	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	1 U	0.82 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-7A												VMP-7B				
Area		Southwest Utica National												Central Utica National				
Date Collected		01/24/11		02/07/12		01/23/13		02/12/14		01/15/15		03/25/15		02/13/14	01/15/15		03/25/15	
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	SS	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m³	0.83 U	**70 D**	0.83 U	**19 D**	0.83 U	**25 D**	11 U	**7.0 NJ [10 J]**	1.1 U	1.1 UJ **[7.1 J]**	1.1 U	**28 J [20 J]**	26 U	1.1 U	**1.1**	1.1 U	**0.83 J**
1,1,2,2-Tetrachloroethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	14 U	10 U [10 U]	1.4 U	1.4 U [1.4 U]	1.4 U	1.4 U [1.4 U]	33 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	1.2 U	**34 D**	1.2 U	**8.9**	**0.93 J**	**11**	15 U	**3.4 NJ [5.4 NJ]**	**0.49 NJ**	**1.1 NJ [7.9 J]**	**0.56 J**	**20 [14 J]**	36 U	**0.49 NJ**	**0.75 NJ**	**0.51 J**	**0.83 J**
1,1,2-Trichloroethane	µg/m³	0.83 UJ	0.83 UJ	0.83 U	0.83 U	0.83 U	0.83 U	11 U	8.2 U [8.2 U]	1.1 U	1.1 U [1.1 U]	1.1 U	1.1 U [1.1 U]	26 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.62 U	**3.3**	0.62 U	**1.3**	0.62 U	**0.91**	8.1 U	**1.5 NJ [2.0 NJ]**	0.81 U	0.81 UJ **[3.5 J]**	0.81 U	**10 J [8.3]**	19 U	0.81 U	**0.15 NJ**	0.81 U	0.81 U
1,1-Dichloroethene	µg/m³	0.60 U	**3.5**	0.60 U	0.60 U	0.60 U	**0.89**	7.9 U	5.9 U [5.9 U]	**0.42 NJ**	**0.35 NJ** [0.79 U]	**0.65 J**	0.79 U [0.79 U]	19 U	**0.44 NJ**	0.79 U	**0.56 J**	0.79 U
1,2,4-Trichlorobenzene	µg/m³	1.1 UJ	1.1 UJ	1.1 U	1.1 U	R	R	37 U	28 U [28 U]	3.7 U	3.7 U [3.7 U]	3.7 UJ	3.7 U [3.7 U]	88 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**1.1**	**10**	**1.7**	**2.9**	**7.2**	**2.2**	9.8 U	7.4 U [7.4 U]	**1.7**	**1.2 J [1.7 J]**	**1.5**	**1.4 J [1.3 J]**	23 U	**1.3**	**0.89 NJ**	**1.3**	**1.0**
1,2-Dibromoethane	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	15 U	12 U [11 U]	1.5 U	1.5 U [1.5 U]	1.5 U	1.5 U [1.5 U]	37 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	14 U	10 U [10 U]	1.4 U	1.4 U [1.4 U]	1.4 U	1.4 U [1.4 U]	33 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	12 U	9.0 U [9.0 U]	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U [1.2 U]	29 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	8.1 U	6.1 U [6.1 U]	0.81 U	0.81 U [0.81 U]	0.81 U	0.81 U [0.81 U]	19 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	9.2 U	6.9 U [6.9 U]	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	22 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	0.75 U	**2.2**	**0.85**	**1.1**	**1.5 J**	**0.90**	9.8 U	7.4 U [7.4 U]	**0.65 NJ**	**0.51 NJ [0.66 NJ]**	**0.73 J**	**0.49 J [0.43 J]**	23 U	**0.49 NJ**	**0.26 NJ**	**0.72 J**	**0.29 J**
1,3-Butadiene	µg/m³	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	4.4 U	3.3 U [3.3 U]	**0.39 NJ**	**0.33 NJ** [0.44 U]	**0.27 J**	0.44 U [0.44 U]	11 U	**0.33 NJ**	0.44 U	**0.24 J**	0.44 U
1,3-Dichlorobenzene	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	12 U	**4.4 NJB [7.5 NJB]**	1.2 U	1.2 U [1.2 U]	1.2 U	**1.7 J** [1.2 U]	**13 NJB**	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	**2.9**	0.92 U	**9.8**	0.92 U	0.92 U	0.92 U	12 U	9.0 U [9.0 U]	1.2 U	1.2 U [1.2 U]	1.2 U	1.2 U **[0.28 J]**	29 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	R	1.1 UJ	180 U	130 U [130 U]	18 U	18 U [18 U]	18 U	**1.7 J [5.6 J]**	430 U	**0.87 NJ**	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m³	0.71 U	0.71 U	0.71 U	**1.7**	0.71 U	**1.4**	9.3 U	7.0 U [7.0 U]	**1.0**	**0.80 NJ [1.1 J]**	0.93 U	0.93 U [0.93 U]	22 U	**0.87 NJ**	0.93 U	0.93 U	0.93 U
2-Butanone	µg/m³	**4.3**	**2.2**	0.90 U	**4.5**	**3.6 J**	**1.9 J**	15 U	**49 J [82 J]**	**7.2**	**4.9 J [9.1 J]**	**4.9**	**7.0 J [24 J]**	35 U	**5.8**	**3.3**	**3.8**	**4.5**
2-Hexanone	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	R	1.2 U	20 U	15 U [15 U]	2.0 U	2.0 U **[1.5 NJ]**	2.0 U	2.0 UJ **[5.4 J]**	49 U	2.0 U	2.0 U	2.0 U	2.0 U
3-Chloropropene	µg/m³	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	16 U	12 U [12 U]	1.6 U	1.6 U [1.6 U]	1.6 U	1.6 U [1.6 U]	37 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	0.75 U	**1.6**	**0.70 J**	**0.80**	**1.4 J**	**0.75 J**	9.8 U	7.4 U [7.4 U]	**0.74 NJ**	**0.53 NJ [0.56 NJ]**	**0.83 J**	**0.54 J [0.39 J]**	23 U	**0.58 NJ**	**0.18 NJ**	**0.75 J**	**0.28 J**
4-Methyl-2-pentanone	µg/m³	1.2 U	1.2 U	**0.71 J**	1.2 U	R	**1.8**	20 U	15 U [15 U]	2.0 U	2.0 U **[1.2 NJ]**	2.0 U	**0.97 J [20 J]**	49 U	2.0 U	**1.8 NJ**	2.0 U	**1.3 J**
Acetone	µg/m³	**22 D**	**5.1 JD**	**94 D**	**28 D**	**76 DJ**	**26 D**	120 U	**45 NJ [74 NJ]**	**44**	**28 J [41 J]**	**29**	**22 [23]**	280 U	**50**	**14**	**32**	**11 J**
Benzene	µg/m³	**1.0**	**0.49**	**0.71**	**1.2**	**1.1**	**7.5 D**	6.4 U	4.8 U **[1.4 NJ]**	**2.2**	**1.7 [2.1]**	**0.82**	**0.57 J [0.82 J]**	15 U	**1.9**	**1.2**	**0.77**	**0.55 J**
Benzyl Chloride	µg/m³	0.88 UJ	0.88 UJ	0.88 U	0.88 U	0.88 U	0.88 U	10 U	7.8 U [7.7 U]	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]	25 U	1 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	13 U	10 U [10 U]	1.3 U	1.3 U [1.3 U]	1.3 U	**1.5 J [0.94 J]**	32 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	21 U	15 U [15 U]	2.1 U	2.1 U [2.1 U]	2.1 U	2.1 U [2.1 U]	49 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	7.8 U	5.8 U [5.8 U]	**1.3**	0.78 UJ **[1.4 J]**	0.78 U	0.78 U [0.78 U]	18 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	0.47 U	**1.9**	0.47 U	**4.2**	0.47 U	**2.0**	16 U	12 U [12 U]	**11**	1.6 U [1.6 U]	1.6 U	1.6 U **[1.8]**	37 U	1.6 U	1.6 U	1.6 U	**0.49 J**
Carbon Tetrachloride	µg/m³	**0.32**	**0.96 U**	0.26 U	0.96 U	**0.70 J**	**0.70 J**	2.5 U	1.9 U [1.9 U]	**0.53**	**0.53 [0.51]**	**0.45**	**0.46 J [0.35 J]**	6 U	**0.50 J**	**0.51**	**0.40**	**0.37**
Chlorobenzene	µg/m³	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	9.2 U	6.9 U [6.9 U]	0.92 U	0.92 U [0.92 U]	0.92 U	0.92 U [0.92 U]	22 U	0.92 U	0.92 U	**0.11 J**	0.92 U
Chloroethane	µg/m³	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	13 U	9.9 U [9.9 U]	1.3 U	1.3 U [1.3 U]	1.3 U	1.3 U **[0.42 J]**	31 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	0.74 U	**16 D**	0.74 U	**2.5**	0.74 U	**1.1**	9.8 U	**44 J [69 J]**	**79**	**56 [56]**	**0.98**	**57 J [44 J]**	**12 NJ**	**53**	**16**	**0.63 J**	**3.8**
Chloromethane	µg/m³	**0.65**	0.31 U	**0.94**	0.31 U	**1.5 J**	**0.76**	10 U	7.7 U [7.7 U]	**1.8**	**2.0 J [1.5 J]**	**1.9**	1.0 U **[1.6]**	25 U	**1.7**	1.0 U	**1.4**	**0.22 J**
cis-1,2-Dichloroethene	µg/m³	0.60 U	**0.48 J**	0.60 U	0.60 U	0.60 U	0.60 U	7.9 U	5.9 U [5.9 U]	0.79 U	0.79 UJ **[0.98 J]**	0.79 U	**5.1 J [3.6 J]**	19 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	9.1 U	6.8 U [6.8 U]	0.91 U	0.91 U [0.91 U]	0.91 U	0.91 U [0.91 U]	22 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**5.3**	**0.66**	**15 D**	**9.1 D**	0.52 U	0.52 U	**5.5 NJ**	**7.0 J [11 J]**	**11**	**11 [9]**	**42**	**13 J [10 J]**	16 U	**13**	**4.5**	**36**	**12**
Dibromochloromethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	17 U	13 U [13 U]	1.7 U	1.7 U [1.7 U]	1.7 U	1.7 U [1.7 U]	41 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**1.9 J**	**2.1 J**	**2.3**	**2.4**	**3.1**	**3.1**	25 U	19 U [18 U]	**2.6**	**2.7 J [20 J]**	**3.3**	**33 J [18 J]**	59 U	**2.7**	**2.4 NJ**	**1.9 J**	**1.5 J**
Ethyl acetate	µg/m³	0.92 U	0.92 U	**2.1**	**2.9**	**2.3 J**	**6.2 DJ**	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m³	**0.53 J**	**2.0**	**1.8**	**2.6**	**1.1**	**6.6**	8.7 U	6.5 U **[0.65 NJ]**	**0.95**	**0.77 NJ [1.3 J]**	**0.47 J**	**0.70 J [0.89 J]**	21 U	**0.87**	**0.73 NJ**	**0.43 J**	**0.65 J**
Heptane	µg/m³	**2.0**	**0.75**	**2.2**	**2.8**	**5.7**	**5.9**	8.2 U	6.1 U [6.1 U]	**1.7**	**1.6 [1.6]**	**1.7**	**1.2 [1.3]**	20 U	**1.6**	**1.2**	**1.2**	**1.5**
Hexachlorobutadiene	µg/m³	1.6 UJ	1.6 UJ	1.6 U	1.6 U	R	1.6 U	21 U	16 U [16 U]	2.1 U	2.1 U [2.1 U]	2.1 U	2.1 U [2.1 U]	51 U	2.1 U	2.1 U	**0.41 J**	2.1 U
Isopropyl alcohol	µg/m³	**1200 JD**	**41 JD**	**1,900 D**	**44 D**	**3,500 DJ**	**1,100 DJ**	**560**	**1700 J [2900 J]**	**1700 J**	**1800 J [1200 J]**	**1800 J**	**280 J [260 J]**	**1100**	**1800 J**	**190 D**	**2700 J**	**320 J**
m&p-Xylene	µg/m³	**1.4 J**	**6.9 J**	**2.3**	**5.2**	**5.1**	**9.7 DJ**	22 U	16 U [16 U]	**2.3**	**1.7 NJ [3.7 J]**	**0.79 J**	**1.7 J [2.5 J]**	52 U	**1.9 NJ**	**1.9 NJ**	**0.64 J**	**1.8 J**
Methyl tert-butyl ether	µg/m³	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	7.2 U	5.4 U [5.4 U]	0.72 U	0.72 U [0.72 U]	0.72 U	0.72 U [0.72 U]	17 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**1200 D**	**35 D**	**1,400 D**	**43 D**	**2,300 D**	**860 D**	**640**	**460 J [720 J]**	**740 D**	**670 D [550 J]**	**1000 D**	**290 D [260 D]**	**200**	**700 D**	**230 D**	**990 D**	**260 D**
n-Hexane	µg/m³	**2.0**	**1.2**	**5.3**	**10 D**	**6.8 J**	**3.3 J**	7 U	5.3 U **[3.3 NJ]**	**4.0**	**3.4 [2.7]**	**2.6**	**0.68 J [0.62 J]**	17 U	**3.4**	**1.2**	**1.7**	**0.70**
o-Xylene	µg/m³	0.66 U	**2.6**	**0.66**	**3.0**	**2.0**	**4.1**	8.7 U	6.5 U [6.5 U]	**0.82 NJ**	**0.60 NJ [1.4 J]**	**0.32 J**	**0.69 J [0.92]**	21 U	**0.66 NJ**	**0.56 NJ**	**0.26 J**	**0.76 J**
Propylene	µg/m³	0.26 UJ	0.26 UJ	0.26 U	0.26 U	0.26 U	0.26 U	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m³	**0.56 J**	**0.91**	**1.7**	**6.8**	**1.3**	**0.95**	8.5 U	6.4 U **[0.98 NJ]**	**1.8**	**1.3 [1.4]**	**2.0**	**1.9 J [1.3]**	20 U	**1.5 J**	**1.2**	**1.8**	**1.3**
Tetrachloroethene	µg/m³	1.0 U	**43 D**	1.0 U	**1.4**	1.0 U	**2.3**	14 U	10 U [10 U]	**0.24 NJ**	1.4 U **[0.50 NJ]**	1.4 U	**40 J [28]**	32 U	**0.50 NJ**	**0.93 NJ**	1.4 U	**1.7**
Tetrahydrofuran	µg/m³	**95 JD**	**5.4 J**	**140 D**	**4.7**	**4.6 J**	**1.1**	**33 NJ**	110 U **[58 NJ]**	**7.0 NJ**	**6.5 NJ [6.7 NJ]**	**16 J**	**8.9 J [9.2 J]**	350 U	**5.3 NJ**	**2.5 NJ**	**15 J**	**11 J**
Toluene	µg/m³	**6.5**	**8.4 D**	**6.2**	**10 D**	**6.8**	**48 D**	7.5 U	**4.4 NJ [6.9 J]**	**9.8**	**9.8 [9.9]**	**4.7**	**6.0 [5.8]**	18 U	**8.9**	**5.4**	**3.5**	**5.1**
trans-1,2-Dichloroethene	µg/m³	0.60 U	**1.1**	**11**	**2.3**	**1.8**	**1.8 J**	7.9 U	5.9 U [5.9 U]	**0.41 NJ**	**0.38 NJ [0.53 NJ]**	**0.70 J**	**3.3 J [2.4]**	19 U	**0.42 NJ**	**0.52 NJ**	**0.70 J**	**0.82**
trans-1,3-Dichloropropene	µg/m³	0.69 UJ	0.69 UJ	0.69 U	0.69 U	0.69 U	0.69 U	9.1 U	6.8 U [6.8 U]	0.91 U	0.91 U [0.91 U]	0.91 U	0.91 U [0.91 U]	22 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**0.44**	**350 D**	**0.71**	**26 D**	**1.7**	**26 D**	2.1 U	**14 J [21 J]**	**1.4**	**1.4 J [4.7 J]**	0.21 U	**100 [84]**	5.1 U	**5.6**	**2.1**	0.21 U	**2.0**
Trichlorofluoromethane	µg/m³	**1.3**	**1.2**	**2.1**	**2.1**	**5.4**	**5.5**	11 U	8.4 U [8.4 U]	**1.6**	**1.8 J [3.5 J]**	**1.7**	**6.1 J [3.6]**	27 U	**1.6**	**1.4**	**1.4**	**0.88 J**
Vinyl Acetate	µg/m³	**3.9**	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	8.7 U	6.6 U [6.5 U]	0.87 U	0.87 U [0.87 U]	0.87 U	0.87 U [0.87 U]	21 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.39 U	0.10 U	0.39 U	0.10 U	0.39 U	1 U	0.77 U [0.76 U]	0.10 U	0.10 U [0.10 U]	0.10 U	0.10 U [0.10 U]	2.4 U	0.10 U	0.10 U	0.10 U	0.10 U

See Page 15 for notes.

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Table 7. Vapor Intrusion Monitoring Sample Restults - 2009 through 2015
Summary of Indoor Air and Sub-Slab Soil Gas Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		VMP-8A				VMP-8B				VMP-8C				IA-VMP-8D
Area		Southwest Utica National				Hallway outside Molding Offices				Molding Offices				Molding/Cable Material Storage
Date Collected		01/15/15		03/25/15		01/15/15		03/25/15		01/15/15		03/25/15		02/12/14
Sample Type	Units	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA	SS	IA
1,1,1-Trichloroethane	µg/m³	1.1 U	**22**	1.1 U	**31**	1.1 U	**0.69 NJ**	1.1 U	**0.56 J**	1.1 U	**3.3**	1.1 U	**1.1**	1.1 U
1,1,2,2-Tetrachloroethane	µg/m³	**0.71 NJ**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m³	**0.47 NJ**	**53**	**0.52 J**	**76**	**0.45 NJ**	**1.3 NJ**	**0.48 J**	**1.2 J**	**0.90 NJ**	**0.74 NJ**	**0.45 J**	**0.69 J**	**0.49 NJ**
1,1,2-Trichloroethane	µg/m³	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m³	0.81 U	**2.3**	0.81 U	**3.3**	0.81 U	**0.20 NJ**	0.81 U	**0.25 J**	0.81 U	**0.35 NJ**	0.81 U	**0.24 J**	0.81 U
1,1-Dichloroethene	µg/m³	**0.40 NJ**	0.79 U	**0.59 J**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m³	3.7 U	3.7 U	3.7 U	**0.29 J**	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	µg/m³	**0.71 NJ**	**0.32 NJ**	**0.24 J**	**1.0 J**	**1.1**	**0.91 NJ**	**2.9**	**0.21 J**	**0.65 NJ**	**1.0**	**0.74 J**	**1.2**	0.98 U
1,2-Dibromoethane	µg/m³	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m³	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m³	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m³	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m³	**0.38 NJ**	0.98 U	**0.19 J**	**0.33 J**	**0.49 NJ**	**0.27 NJ**	**0.75 J**	**0.11 J**	**0.23 NJ**	**0.32 NJ**	**0.21 J**	**0.30 J**	0.98 U
1,3-Butadiene	µg/m³	**0.37 NJ**	0.44 U	**0.24 J**	0.44 U	**0.30 NJ**	0.44 U	**0.13 J**	0.44 U	**0.26 NJ**	0.44 U	0.44 U	0.44 U	**0.3 NJ**
1,3-Dichlorobenzene	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m³	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.1 J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m³	**0.96 NJ**	**0.80 NJ**	18 U	**11 J**	18 U	18 U	**12 J**	18 U	18 U	18 U	18 U	**4.0 J**	18 U
2,2,4-Trimethylpentane	µg/m³	**0.89 NJ**	0.93 U	**0.25 J**	0.93 U	**0.93**	**0.96**	0.93 U	0.93 U	**0.77 NJ**	**1.1**	**0.39 J**	0.93 U	0.93 U
2-Butanone	µg/m³	**5.7**	**5.7**	**4.0**	**6.8**	**4.1**	**5.7**	**14**	**8.6**	**2.6**	**4.3**	**2.0**	**5.9**	**5.3**
2-Hexanone	µg/m³	2.0 U	2.0 U	2.0 U	**1.3 J**	2.0 U	**0.92 NJ**	2.0 U	**1.5 J**	2.0 U	**0.79 NJ**	2.0 U	2.0 U	2 U
3-Chloropropene	µg/m³	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m³	**0.47 NJ**	0.98 U	**0.28 J**	**0.26 J**	**0.58 NJ**	**0.19 NJ**	**0.62 J**	0.98 U	0.98 U	**0.20 NJ**	0.98 U	**0.27 J**	0.98 U
4-Methyl-2-pentanone	µg/m³	2.0 U	**1.7 NJ**	2.0 U	**1.0 J**	2.0 U	**1.2 NJ**	**2.7**	**1.1 J**	2.0 U	**1.7 NJ**	2.0 U	**1.4 J**	2 U
Acetone	µg/m³	**39**	**26**	**22**	**22**	**42**	**28**	**28**	**18**	**27**	**22**	**13**	**13**	**20**
Benzene	µg/m³	**1.9**	**1.2**	**0.84**	**0.73 J**	**1.9**	**1.4**	**0.74**	**0.62**	**1.7**	**1.1**	**0.76**	**0.57 J**	**1**
Benzyl Chloride	µg/m³	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	µg/m³	1.3 U	1.3 U	1.3 U	**0.99 J**	1.3 U	1.3 U	1.3 U	**0.93 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	µg/m³	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m³	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m³	**1.4 NJ**	**2.7**	1.6 U	**4.8**	1.6 U	1.6 U	**0.79 J**	**3.9**	**0.29 NJ**	1.6 U	1.6 U	**0.67 J**	1.6 U
Carbon Tetrachloride	µg/m³	**0.44**	**0.47 J**	**0.39**	**0.32**	**0.48**	**0.53**	**0.35**	**0.33**	**0.46**	**0.51 J**	**0.41**	**0.31**	**0.26**
Chlorobenzene	µg/m³	0.92 U	0.92 U	**0.12 J**	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m³	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	µg/m³	**77**	**56**	**0.91 J**	**43**	**53**	**47**	**1.1**	**36**	**9.0**	**7.3**	**0.74 J**	**7.5**	0.98 U
Chloromethane	µg/m³	**1.6**	1.0 U	**1.3**	**1.4**	**1.3**	1.0 U	**1.5**	**0.33 J**	**1.4**	1.0 U	**1.2**	**0.21 J**	**1.1**
cis-1,2-Dichloroethene	µg/m³	0.79 U	**6.3**	0.79 U	**9.9**	0.79 U	**0.38 NJ**	0.79 U	**0.46 J**	**0.62 NJ**	**0.74 NJ**	0.79 U	**0.62 J**	0.79 U
cis-1,3-Dichloropropene	µg/m³	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m³	**10**	**4.4**	**34**	**14**	**5.9**	**2.9**	**2.7**	**1.7**	**3.1**	**1.6**	**3.6**	**1.1**	0.69 U
Dibromochloromethane	µg/m³	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m³	**2.6**	**19**	**2.0 J**	**14**	**2.9**	**2.7**	**2.1 J**	**1.5 J**	**2.4 NJ**	**2.6**	**2.0 J**	**1.5 J**	**2.3 NJ**
Ethyl acetate	µg/m³	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m³	**0.76 NJ**	**0.53 NJ**	**0.33 J**	**0.64 J**	**0.75 NJ**	**0.65 NJ**	**1.3**	**0.59 J**	**0.50 NJ**	**0.70 NJ**	**1.1**	**0.56 J**	**0.24 NJ**
Heptane	µg/m³	**1.6**	**1.3**	**1.4**	**1.8**	**1.2**	**1.5**	**1.3**	**2.9**	**1.2**	**1.0**	**0.64 J**	**2.2**	0.82 U
Hexachlorobutadiene	µg/m³	2.1 U	2.1 U	2.1 U	**0.47 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m³	**2000 J**	**210 D**	**2700 J**	**460 J**	**1100 J**	**260 D**	**1600 J**	**300 J**	**490 J**	**82**	**440 J**	**150 J**	**22**
m&p-Xylene	µg/m³	**1.6 NJ**	**1.2 NJ**	**0.53 J**	**1.8 J**	**1.9 NJ**	**1.8 J**	**2.7**	**1.5 J**	**1.5 NJ**	**2.0 NJ**	**4.3**	**1.7 J**	**0.64 NJ**
Methyl tert-butyl ether	µg/m³	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m³	**770 D**	**340 D**	**1200 D**	**380 D**	**350 D**	**150 D**	**330 D**	**120**	**100 D**	**41**	**68**	**32**	**1.3 NJ**
n-Hexane	µg/m³	**3.7**	**1.3**	**2.1**	**0.95**	**2.1**	**1.4**	**1.5**	**1.6**	**1.4**	**0.91**	**0.65 J**	**0.95**	**0.58 NJ**
o-Xylene	µg/m³	**0.56 NJ**	**0.32 NJ**	**0.21 J**	**0.81 J**	**0.72 NJ**	**0.57 NJ**	**0.93**	**0.56 J**	**0.45 NJ**	**0.64 NJ**	**1.3**	**0.72 J**	**0.24 NJ**
Propylene	µg/m³	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m³	**0.75 NJ**	**0.52 NJ**	**0.85**	**0.92**	**1.4**	**1.3**	**1.1**	0.85 U	**0.96**	**1.3**	**3.1**	**0.68 J**	0.85 U
Tetrachloroethene	µg/m³	**0.20 NJ**	**1.9**	1.4 U	**10**	**0.20 NJ**	**0.69 NJ**	1.4 U	**0.73 J**	**0.41 NJ**	**0.91 NJ**	**0.31 J**	**0.78 J**	1.4 U
Tetrahydrofuran	µg/m³	**6.6 NJ**	**3.5 NJ**	**16**	**9.7 J**	**2.4 NJ**	**3.0 NJ**	**19 J**	**6.3 J**	**2.3 NJ**	**1.9 NJ**	**11 J**	**18**	15 U
Toluene	µg/m³	**8.9**	**5.1**	**4.1**	**5.9**	**6.6**	**4.5**	**4.0**	**6.7**	**3.1**	**3.8**	**2.5**	**5.6**	**8**
trans-1,2-Dichloroethene	µg/m³	**0.45 NJ**	**1.1**	**0.75 J**	**2.2**	**0.66 NJ**	**0.71 NJ**	**0.68 J**	**5.0**	**0.39 NJ**	**2.2**	**0.46 J**	**8.7**	0.79 U
trans-1,3-Dichloropropene	µg/m³	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m³	**2.7**	**96**	**0.56**	**190**	**1.0**	**1.8**	0.21 U	**3.1**	**2.0**	**4.2**	**0.49**	**3.7**	0.21 U
Trichlorofluoromethane	µg/m³	**1.5**	**15**	**1.4**	**14**	**1.6**	**1.5**	**1.3**	**0.86 J**	**1.6**	**1.4**	**1.2**	**0.89 J**	**1.2**
Vinyl Acetate	µg/m³	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide	µg/m³	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m³	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U

Notes:
Detected concentrations are in **bold font**.
µg/m³ = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
B = Compound was found in the blank and sample.
D = Diluted concentration reported.
E = Result exceeded calibration range.
J = Analyte detected at or below quantitation limits and/or estimated value.
JB = Analyte was detected at or below quantitation limits and/or estimated value and was also detected in the blanks.
NJ = Analyte has been "tentatively identified" and the result is an approximated value.
R = Data rejected as a result of data validation.
U = Not detected at the reporting limit.
UJ = Analyte was not detected above the reported sample quantitiation limit; however, the reported quantitation limit is approximat
* During the March 2015 sampling event, a split sample was collected from VMP-5A (sample IDs: IA-VMP-5A-S and SS-VMP-5A-S) for analysis at Centek Laboratories of Syracuse, NY. Results from Centek are shaded in blue.

Table 7. Vapor Intrusion Monitoring Sample Results - 2009 through 2015
Summary of Outdoor Air Sample Results
Former Lockheed Martin French Road Facility, Utica, NY

Location		Outdoor Air		
Date Collected	Units	2/13/14	1/15/15	3/25/15
1,1,1-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	µg/m^3	1.4 U	1.4 U	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	**0.59 NJ**	**0.51 NJ**	**0.46 J**
1,1,2-Trichloroethane	µg/m^3	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	µg/m^3	3.7 U	3.7 U	3.7 UJ
1,2,4-Trimethylbenzene	µg/m^3	**0.25 NJ**	**0.19 NJ**	**0.079 J**
1,2-Dibromoethane	µg/m^3	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	µg/m^3	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	µg/m^3	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	µg/m^3	**0.097 NJ**	0.98 U	0.98 U
1,3-Butadiene	µg/m^3	0.44 U	**0.085 NJ**	0.44 U
1,3-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	µg/m^3	1.2 U	1.2 U	1.2 U
1,4-Dioxane	µg/m^3	18 U	18 U	18 U
2,2,4-Trimethylpentane	µg/m^3	**0.72 NJ**	0.93 U	0.93 U
2-Butanone	µg/m^3	1.5 U	**0.64 NJ**	**1.7**
2-Hexanone	µg/m^3	2 U	2.0 U	2.0 U
3-Chloropropene	µg/m^3	1.6 U	1.6 U	1.6 U
4-Ethyltoluene	µg/m^3	**0.11 NJ**	0.98 U	0.98 U
4-Methyl-2-pentanone	µg/m^3	2 U	2.0 U	2.0 U
Acetone	µg/m^3	**9.6 NJ**	**5.5 NJ**	**5.5 J**
Benzene	µg/m^3	**1.4**	**1.1**	**0.59 J**
Benzyl Chloride	µg/m^3	1 U	1.0 U	1.0 U
Bromodichloromethane	µg/m^3	1.3 U	1.3 U	1.3 U
Bromoform	µg/m^3	2.1 U	2.1 U	2.1 U
Bromomethane	µg/m^3	0.78 U	0.78 U	0.78 U
Carbon Disulfide	µg/m^3	1.6 U	**0.14 NJ**	1.6 U
Carbon Tetrachloride	µg/m^3	**0.47**	**0.39**	**0.39**
Chlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U
Chloroethane	µg/m^3	1.3 U	1.3 U	1.3 U
Chloroform	µg/m^3	0.98 U	0.98 U	0.98 U
Chloromethane	µg/m^3	**1.1**	**1.1**	**1.1**
cis-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U
Cyclohexane	µg/m^3	**0.30 NJ**	0.69 U	0.69 U
Dibromochloromethane	µg/m^3	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	µg/m^3	**2.5**	**2.1 NJ**	**1.6 J**
Ethyl acetate	µg/m^3	-	-	-
Ethylbenzene	µg/m^3	**0.33 NJ**	**0.20 NJ**	0.87 U
Heptane	µg/m^3	**1.4**	**0.30 NJ**	0.82 U
Hexachlorobutadiene	µg/m^3	2.1 U	2.1 U	2.1 U
Isopropyl alcohol	µg/m^3	**5.8 NJ**	**5.3 NJ**	**1.7 J**
m&p-Xylene	µg/m^3	**0.96 NJ**	**0.59 NJ**	**0.22 J**
Methyl tert-butyl ether	µg/m^3	0.72 U	0.72 U	0.72 U
Methylene Chloride	µg/m^3	1.7 U	**1.4 NJ**	**0.62 J**
n-Hexane	µg/m^3	**1.8**	**0.53 NJ**	**0.16 J**
o-Xylene	µg/m^3	**0.31 NJ**	**0.20 NJ**	**0.087 J**
Propylene	µg/m^3	-	-	-
Styrene	µg/m^3	0.85 U	0.85 U	0.85 U
Tetrachloroethene	µg/m^3	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	µg/m^3	15 U	15 U	15 U
Toluene	µg/m^3	**1.9**	**1.2**	**0.41 J**
trans-1,2-Dichloroethene	µg/m^3	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	µg/m^3	0.91 U	0.91 U	0.91 U
Trichloroethene	µg/m^3	**0.84**	**2.3**	0.21 U
Trichlorofluoromethane	µg/m^3	**1.2**	**1.2**	**1.1 J**
Vinyl Acetate	µg/m^3	-	-	-
Vinyl Bromide	µg/m^3	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m^3	0.10 U	0.10 U	0.10 U

Notes:
Detected concentrations are in **bold font**.
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
NJ = Analyte has been "tentatively identified" and the result is an approximated value.
J = Analyte detected at or below quantitation limits and/or estimated value.
U = Not detected at the reporting limit.

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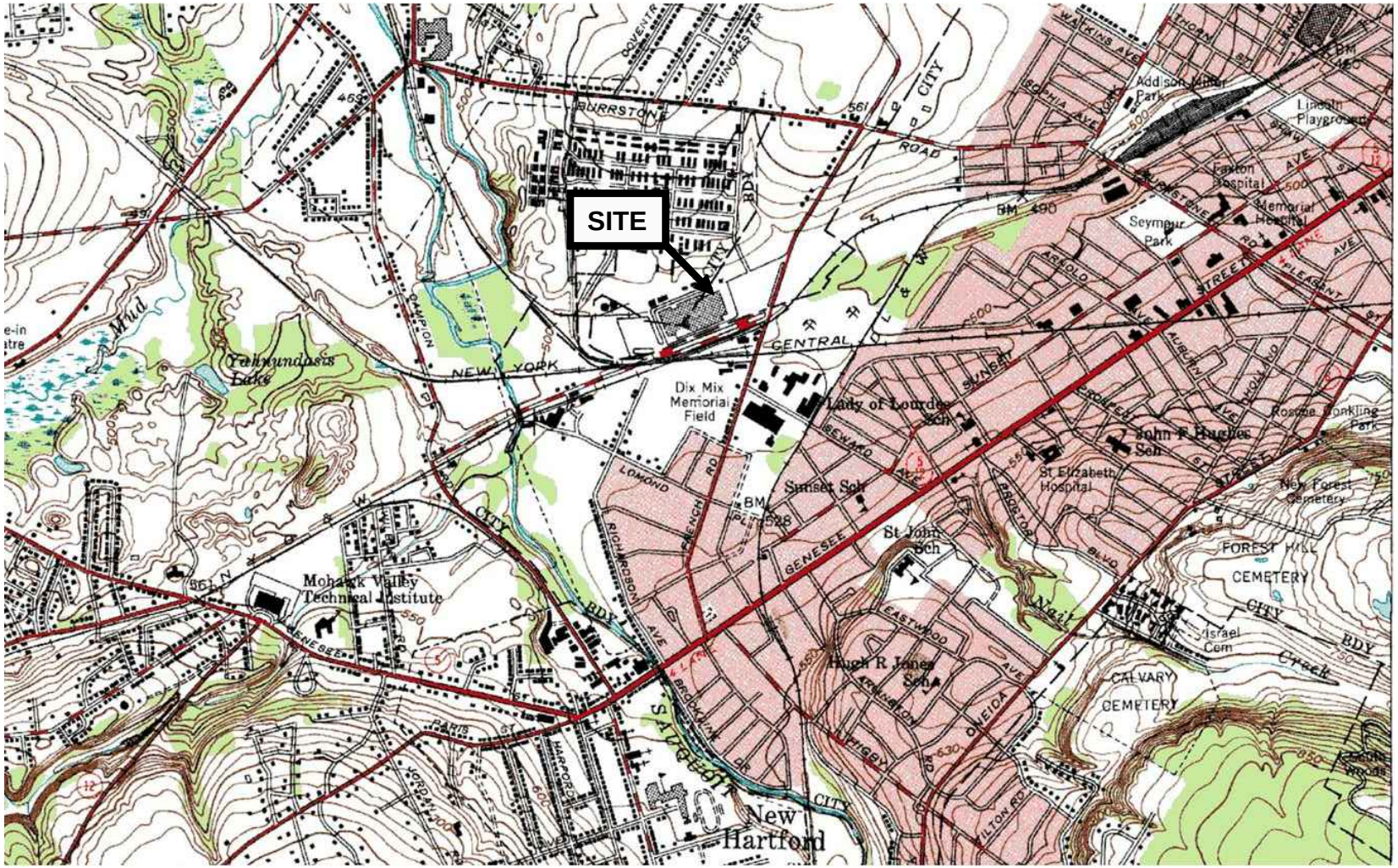
Table 7. Vapor Intrusion Monitoring Results - 2009 through 2015
Summary of Indoor and Sub-Slab Soil Gas Samples - Former Guard House
Former Lockheed Martin French Road Facility, Utica, NY

Date Collected		03/17/10		01/24/13	
Sample Type	Units	IA	SS	IA	SS
1,1,1-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	**1.3**
1,1,2,2-Tetrachloroethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/m^3	1.2 U	1.2 U	**0.86 J**	**1.5**
1,1,2-Trichloroethane	µg/m^3	0.83 U	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	0.60 U
1,2,4-Trichlorobenzene	µg/m^3	1.1 U	1.1 U	R	1.1 U
1,2,4-Trimethylbenzene	µg/m^3	**1.2**	**0.75**	**0.65 J**	**3.5**
1,2-Dibromoethane	µg/m^3	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m^3	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichloroethane	µg/m^3	0.62 U	0.62 U	0.62 U	0.62 U
1,2-Dichloropropane	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U
1,3,5-Trimethylbenzene	µg/m^3	**1.9**	0.75 U	0.75 UJ	**1.3**
1,3-Butadiene	µg/m^3	0.34 U	0.34 U	0.34 UJ	0.34 U
1,3-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dichlorobenzene	µg/m^3	0.92 U	0.92 U	0.92 U	0.92 U
1,4-Dioxane	µg/m^3	1.1 U	1.1 U	R	1.1 J
2,2,4-Trimethylpentane	µg/m^3	0.71 U	0.71 U	0.71 U	0.71 U
2-Butanone	µg/m^3	0.90 U	**0.81 J**	**0.75 J**	**2.1 J**
2-Hexanone	µg/m^3	1.2 UJ	1.2 UJ	R	1.2 U
3-Chloropropene	µg/m^3	0.48 U	0.48 U	0.48 U	0.48 U
4-Ethyltoluene	µg/m^3	**0.50 J**	0.75 U	0.75 UJ	**0.75**
4-Methyl-2-pentanone	µg/m^3	1.2 UJ	1.2 UJ	R	**1.5**
Acetone	µg/m^3	**31**	**12**	**21 DJ**	**64 D**
Benzene	µg/m^3	**0.58**	**0.75**	**1.6**	**1.6**
Benzyl Chloride	µg/m^3	0.88 U	0.88 U	0.88 U	0.88 U
Bromodichloromethane	µg/m^3	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/m^3	1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	µg/m^3	0.59 U	0.59 U	0.59 U	0.59 U
Carbon Disulfide	µg/m^3	0.47 U	0.47 U	0.47 U	**3.0**
Carbon Tetrachloride	µg/m^3	**0.70**	0.96 U	**0.83 J**	0.96 U
Chlorobenzene	µg/m^3	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	µg/m^3	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	µg/m^3	**0.79**	0.74 U	0.74 U	0.74 U
Chloromethane	µg/m^3	0.31 U	**0.69**	**1.2 J**	**0.55**
cis-1,2-Dichloroethene	µg/m^3	**2.3**	0.60 U	0.60 U	0.60 U
cis-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U
Cyclohexane	µg/m^3	**1.1**	**4.1**	0.52 U	0.52 U
Dibromochloromethane	µg/m^3	1.3 UJ	1.3 UJ	1.3 U	1.3 U
Dichlorodifluoromethane	µg/m^3	0.75 U	**2.4**	**3.1**	**2.8**
Ethyl acetate	µg/m^3	0.92 U	0.92 U	0.92 UJ	**0.44 J**
Ethylbenzene	µg/m^3	0.66 U	0.66 U	0.66 U	**0.88**
Heptane	µg/m^3	0.62 U	**0.46 J**	**0.46 J**	**0.83**
Hexachlorobutadiene	µg/m^3	1.6 U	1.6 U	R	1.6 U
Isopropyl alcohol	µg/m^3	0.37 U	**18**	**81 DJ**	**39 DJ**
m&p-Xylene	µg/m^3	**0.66 J**	**0.79 J**	**0.66 J**	**2.4**
Methyl tert-butyl ether	µg/m^3	0.55 U	0.55 U	0.55 U	0.55 U
Methylene Chloride	µg/m^3	**1.6**	**0.56**	**7.0**	**27 D**
n-Hexane	µg/m^3	0.54 U	0.54 U	0.54 UJ	**1.9 J**
o-Xylene	µg/m^3	0.66 U	0.66 U	0.66 U	**1.1**
Propylene	µg/m^3	0.26 U	0.26 U	0.26 U	0.26 U
Styrene	µg/m^3	0.65 U	0.65 U	0.65 U	**0.48 J**
Tetrachloroethene	µg/m^3	**1.6 J**	**1.9 J**	1.0 U	1.0 U
Tetrahydrofuran	µg/m^3	0.45 U	0.45 U	0.45 UJ	**0.54**
Toluene	µg/m^3	**1.6**	**1.6**	**2.3**	**3.5**
trans-1,2-Dichloroethene	µg/m^3	0.60 U	0.60 U	0.60 U	**0.69 J**
trans-1,3-Dichloropropene	µg/m^3	0.69 U	0.69 U	0.69 U	0.69 U
Trichloroethene	µg/m^3	**9.9**	**0.87**	**0.55**	0.82 U
Trichlorofluoromethane	µg/m^3	**1.7**	**1.7**	**1.9**	**4.3**
Vinyl Acetate	µg/m^3	0.54 U	0.54 U	0.54 U	0.54 U
Vinyl Bromide	µg/m^3	0.67 U	0.67 U	0.67 U	0.67 U
Vinyl Chloride	µg/m^3	0.10 U	0.39 U	0.10 U	0.39 U

Notes:
Detected concentrations are in **bold font**.
µg/m^3 = Micrograms per cubic meter.
[1.0 U] = Duplicate results in brackets.
J = Analyte detected at or below quantitation limits and/or estimated value.
U = Not detected at the reporting limit.

FIGURES

CITY:(MAHWAH) DIV/GROUP:(ENRI- 1) DB:(JG LD:(Opt) PIC:(Opt) PM:(CM) TM:(BM) LYR:(Opt)ON=*;OFF=*REF*
U:\190500800\07_photos_maps_images\DRAWINGS\Report Figures\2-Vapor Intrusion\2015 Annual rpt\Drawings\2015 VI Figures\Figure 1.dwg LAYOUT: 1 SAVED: 2/19/2015 2:50 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/19/2015 2:51 PM BY: LESS, ANDY



0 1000 2000
SCALE IN FEET

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
2015 ANNUAL VAPOR INTRUSION STUDY REPORT FOR THE SOLVENT DOCK AREA

SITE LOCATION MAP

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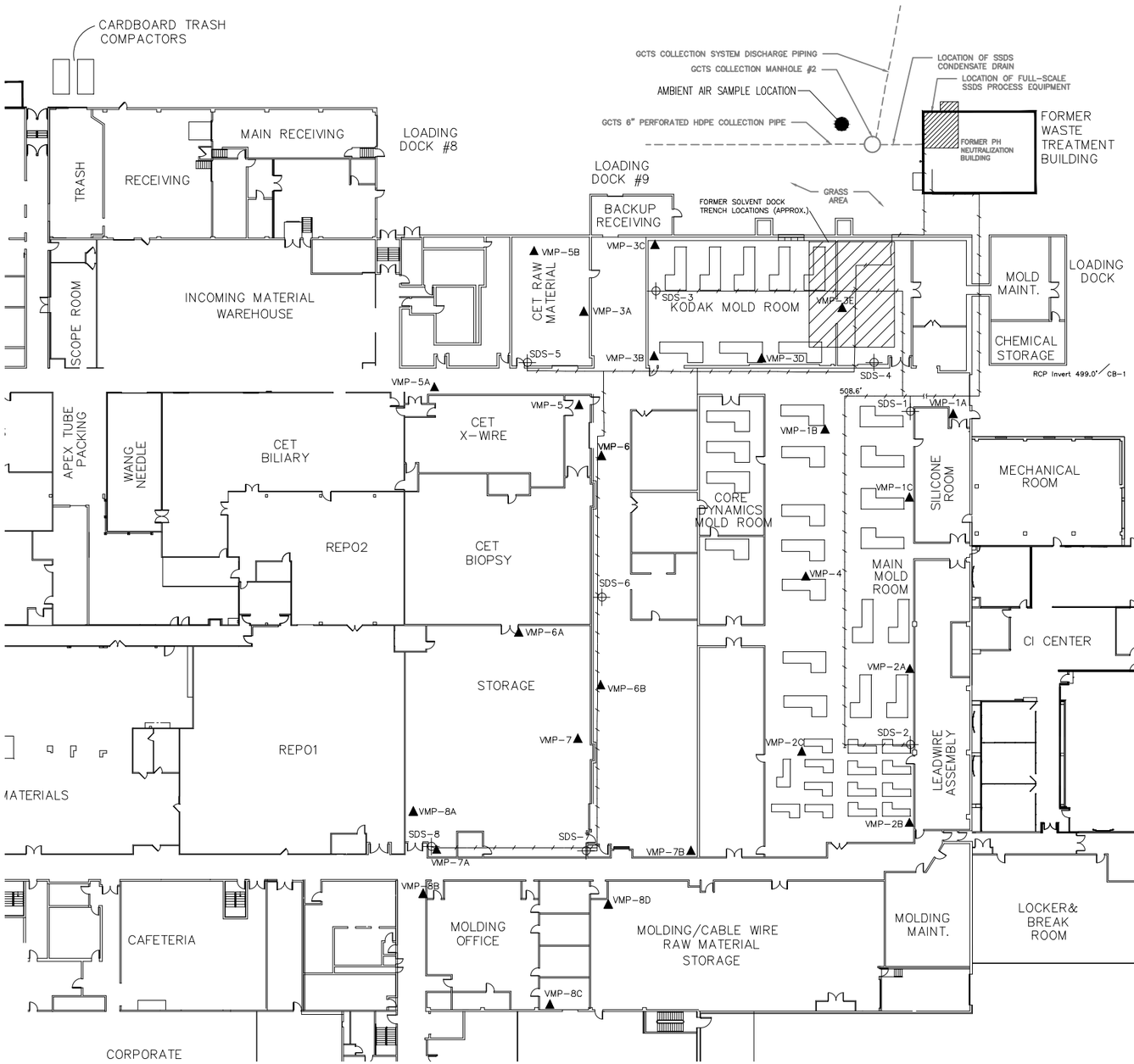
1



LEGEND:

- SDS-4 ⊕ LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-4 ▲ PERMANENT VAPOR MONITORING POINT (VMP)
- LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM EQUIPMENT
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING

NOTES:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.

0 50' 100'

GRAPHIC SCALE

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
2015 ANNUAL VAPOR INTRUSION STUDY
SOLVENT DOCK AREA

SITE PLAN AND SYSTEM LAYOUT

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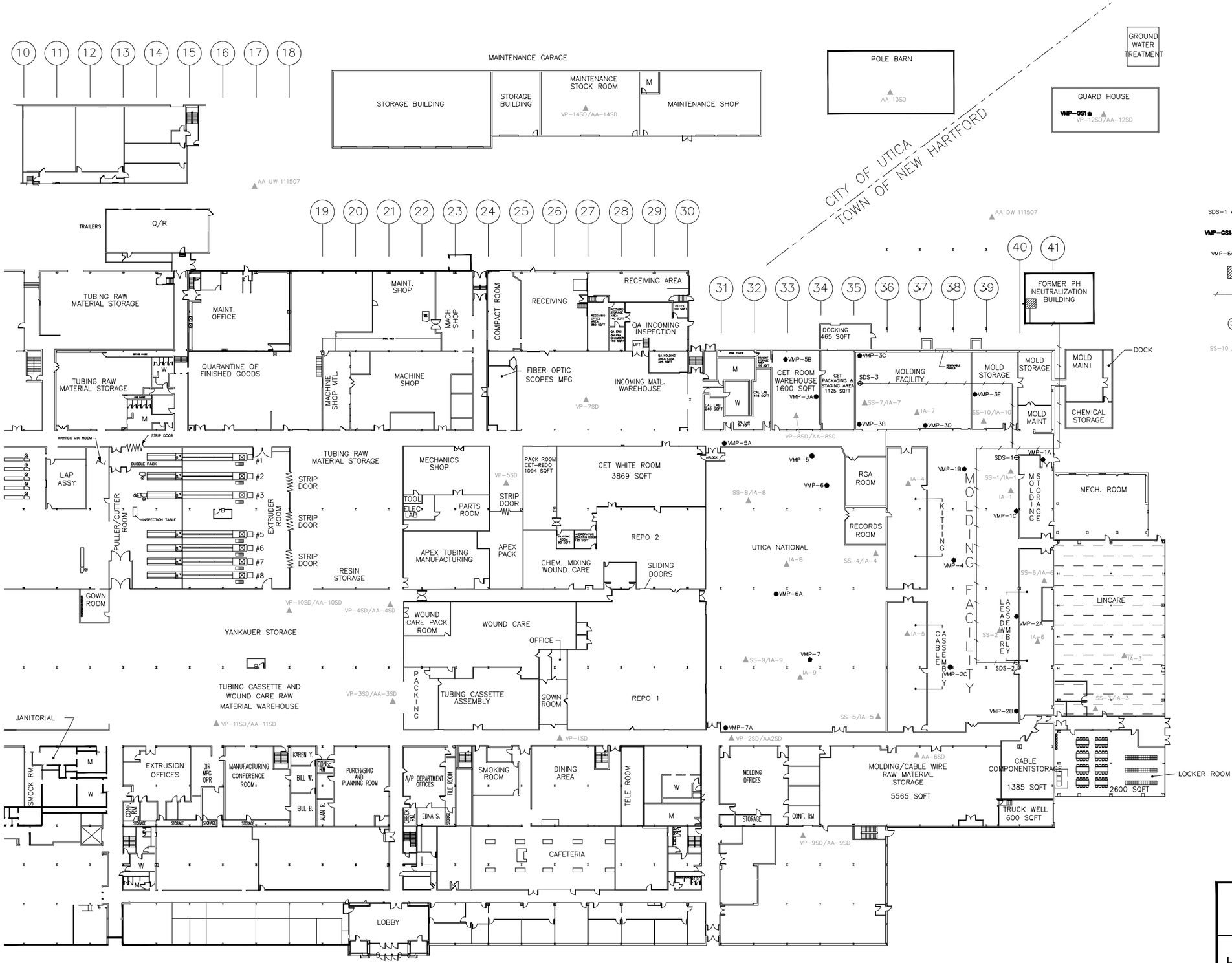
FIGURE 2



LEGEND

- SDS-1 ⊕ — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-GS1● — SEMI-PERMANENT SOIL GAS PROBE LOCATION
- VMP-6● — PERMANENT SOIL GAS PROBE LOCATION
- LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM TREATMENT EQUIPMENT
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- (35) — BUILDING COLUMN LINE IDENTIFICATION
- SS-10 ▲ — TEMPORARY SOIL GAS PROBE AND INDOOR AIR LOCATION

NOTE:

1. AMBIENT AIR (AA) SAMPLES CO-LOCATED AT EACH VMP LOCATION.
2. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 31OCT94.

0 30' 60'
GRAPHIC SCALE

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
ANNUAL VAPOR INTRUSION STUDY REPORT FOR THE SOLVENT DOCK AREA

HISTORICAL SAMPLING LOCATION PLAN

ARCADIS

FIGURE 3

VMP-3B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.55 NJ	1.4 U	0.37 J	0.29 J
TCE	1.0	2.0	0.22	0.21 U

VMP-3A				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.44 NJ	1.4 U	6.8 U	1.4 U
TCE	0.97	1.5	1.1 U	0.21 U

Ambient Air		
Date	1/15/2015	3/25/2015
PCE	1.4 U	1.4 U
TCE	2.3	0.21 U

VMP-3E				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.68 NJ	0.49 NJ	0.63 J	0.39 J
TCE	0.61	2.1	0.30	0.21 U

VMP-3D				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.42 NJ	0.22 NJ	0.40 J	1.4 U
TCE	0.58	2.2	0.24	0.21 U

VMP-5B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.55 NJ	1.4 U	0.38 J	1.4 U
TCE	1.4	1.3	0.41	0.21 U

VMP-5A*						
Date	1/15/2015		3/25/2015			
Sample	SS	IA	SS		IA	
PCE	3.7	1.4 U	80	75	1.4 U	1.0 U
TCE	9.1	27	35	30	0.21 U	0.21 U

VMP-1B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	39	0.27 NJ [0.20 NJ]	240	1.4 U [1.4 U]
TCE	4.3	1.3 [1.2]	8.3	0.21 U [0.21 U]

VMP-6A				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	2.0 J	1.4 U	1.9	1.4 U
TCE	36	1.3	46	0.21 U

VMP-4				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	8.6	1.4 U	13	1.4 U
TCE	0.71	1.4	0.54	0.21 U

VMP-7				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	1.0 NJ	1.4 U	0.68 J	1.4 U
TCE	0.71	1.3	0.30	0.21 U

VMP-8A				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	1.9	0.20 NJ	10	1.4 U
TCE	96	2.7	190	0.56

VMP-2C				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	3.5	1.4 U	6.4	1.4 U
TCE	0.85	1.4	0.74	0.21 U

VMP-7A				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	1.4 U [0.50 NJ]	0.24 NJ	40 J [28]	1.4 U
TCE	1.4 J [4.7 J]	1.4	100 [84]	0.21 U

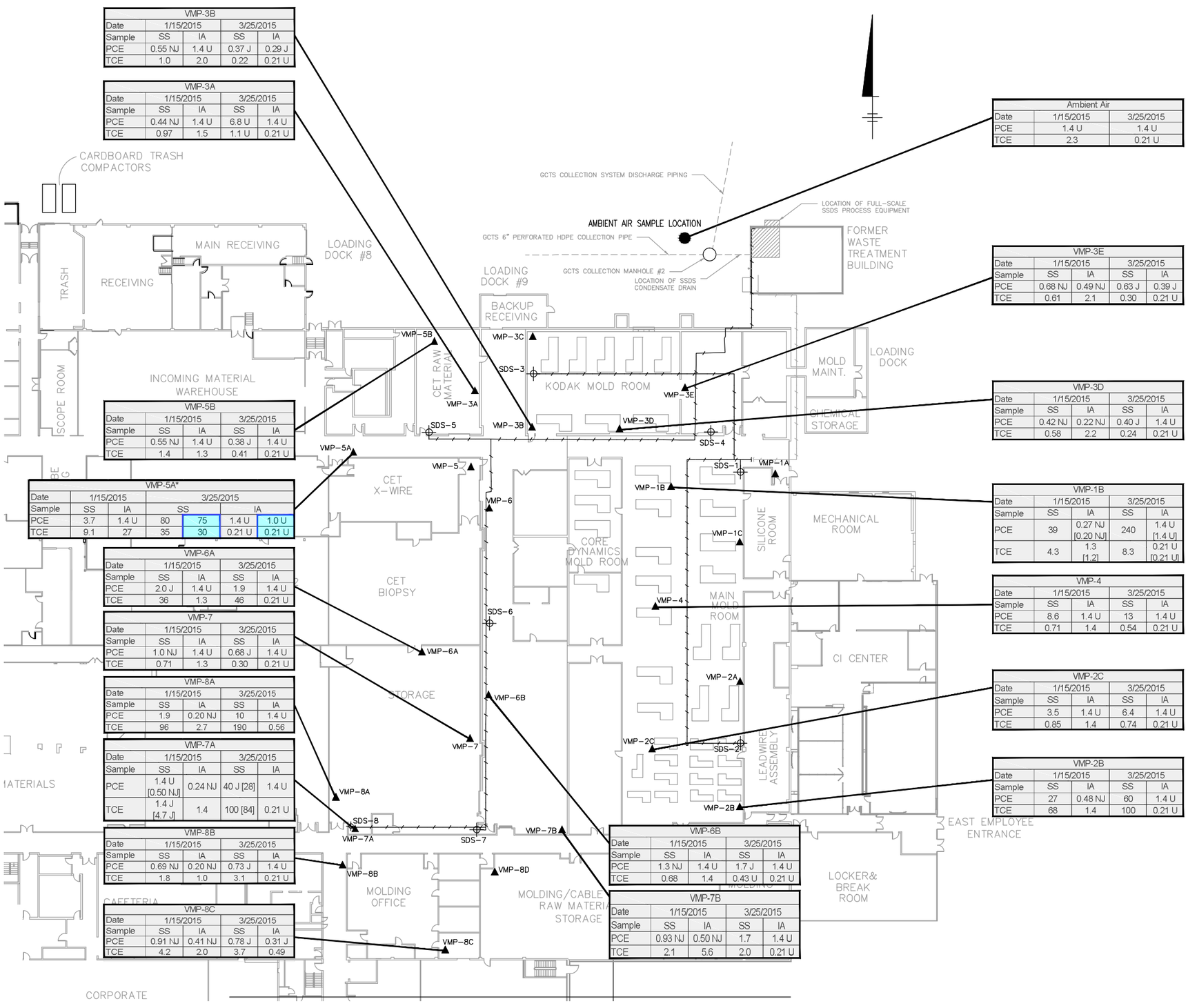
VMP-2B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	27	0.48 NJ	60	1.4 U
TCE	68	1.4	100	0.21 U

VMP-8B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.69 NJ	0.20 NJ	0.73 J	1.4 U
TCE	1.8	1.0	3.1	0.21 U

VMP-6B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	1.3 NJ	1.4 U	1.7 J	1.4 U
TCE	0.68	1.4	0.43 U	0.21 U

VMP-8C				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.91 NJ	0.41 NJ	0.78 J	0.31 J
TCE	4.2	2.0	3.7	0.49

VMP-7B				
Date	1/15/2015		3/25/2015	
Sample	SS	IA	SS	IA
PCE	0.93 NJ	0.50 NJ	1.7	1.4 U
TCE	2.1	5.6	2.0	0.21 U



LEGEND:

- SDS-4 ⊕ LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-4 ▲ PERMANENT VAPOR MONITORING POINT (VMP)
- ▨ LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM EQUIPMENT
- ⌇⌇⌇⌇ LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- [1.0 U] DUPLICATE RESULTS PRESENTED IN BRACKETS

ABBREVIATIONS:

- IA INDOOR AIR SAMPLE
- J ANALYTE DETECTED AT OR BELOW THE QUANTITATION LIMITS AND/OR ESTIMATED VALUE
- NJ ANALYTE HAS BEEN"TENTATIVELY IDENTIFIED"AND THE RESULT IS AN APPROXIMATE VALUE.
- PCE TETRACHLOROETHENE
- SS SUB-SLAB SAMPLE
- TCE TRICHLOROETHENE
- U ANALYTE NOT DETECTED AT OR BELOW THE REPORTING LIMIT

NOTES:

1. BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 310CT94.
2. ANALYTICAL RESULTS REPORTED IN MICROGRAMS PER CUBIC METER ($\mu g/m^3$).
3. SAMPLES WERE COLLECTED DURING TWO SAMPLING EVENTS: JANUARY 15, 2015 AND MARCH 25, 2015.
4. * DURING THE MARCH 2015 SAMPLING EVENT, A SPLIT SAMPLE WAS COLLECTED AT VMP-5A (SAMPLE IDS: IA-VMP-5A-S AND SS-VMP-5A-S) FOR ANALYSIS AT CENTEK LABORATORIES OF SYRACUSE, NY (CENTEK). RESULTS FROM CENTEK ARE OUTLINED AND SHADED IN BLUE.

FORMER LOCKHEED MARTIN FRENCH ROAD FACILITY
UTICA, NEW YORK
2015 ANNUAL VAPOR INTRUSION STUDY
SOLVENT DOCK AREA

SAMPLE LOCATIONS AND ANALYTICAL RESULTS

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FIGURE 4

APPENDIX A

Sampling Logs

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Ambient Air Sample Collection Log

Sample ID: AMB-20150115

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	see notes below
Project #:	190500800.15.3.1	**Temperature:**	see notes below
Location:	Utica, NY	**Wind Speed/Direction:**	see notes below
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.7 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3642

Flow Controller ID: 5176

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	9:06	-30.2
Check #1	11:08	-24.5
Check #2	12:46	-18.9
Check #3	15:02	-11.4
Stop	17:00	-6.5

Observations/Notes:

	8AM	12PM	5PM
Weather Conditions	Mostly cloudy	Cloudy	Cloudy
Temperature (°F)	5	20.5	22.5
Pressure (in Hg)	30.20	30.13	30.02
Wind Speed	Calm	Calm	Calm

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

Stantec
61 Commercial Street
Rochester, NY 14614
(585) 475-1440

Indoor Air Sample Collection Log

Sample ID: IA-VMP-1B/IA-VMP-DUP

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.9 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	5.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5085 (1B) / 3198 (DUP)

Flow Controller ID: 3752 (1B) / 3118 (DUP)

Pressure Reported by Laboratory: -29.2 inches Hg (1B)
-29.3 inches Hg (DUP)

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time		Pressure (inches Hg)	
Start	8:53	8:53	-29.2	-29.0
Check #1	11:00	11:00	-23.6	-20.0
Check #2	12:38	12:38	-18.5	-13.1
Check #3	14:22	14:22	-13.0	-6.5
	(1B)	***(DUP)***	***(1B)***	***(DUP)***
Stop	14:41	14:41	-12.0	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-2B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4813

Flow Controller ID: 3695

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	9:00	-30.2
Check #1	11:04	-23.7
Check #2	12:42	-19.0
Check #3	14:25	-14.0
Stop	16:52	-7.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-2C

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.1 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 2541

Flow Controller ID: 5000

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:58	-34
Check #1	11:03	-26.0
Check #2	12:41	-20.4
Check #3	14:24	-14.8
Stop	16:50	-7.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 2962

Flow Controller ID: 3715

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:39	-30.3
Check #1	10:50	-19.5
Check #2	12:44	-10.2
Stop	13:40	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5620

Flow Controller ID: 3859

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:46	-27.0
Check #1	10:56	-23.0
Check #2	12:35	-19.9
Check #3	14:28	-16.8
Check #4	16:42	-13.5
Check #5	18:19	-11.0
Stop	19:06	-10.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3D

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5160

Flow Controller ID: 3119

Pressure Reported by Laboratory: -29.9 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:48	-30.5
Check #1	10:57	-25.1
Check #2	12:36	-19.2
Check #3	14:29	-13.5
Stop	16:43	-7.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3E

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	1.2 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3518

Flow Controller ID: 3446

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:51	-32
Check #1	10:58	-24.5
Check #2	12:37	-19.5
Check #3	14:30	-14.1
Stop	16:46	-8.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-4

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.6 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.1 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3685

Flow Controller ID: 3737

Pressure Reported by Laboratory: -29.9 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:56	-31
Check #1	11:01	-26.0
Check #2	12:40	-21.0
Check #3	14:23	-15.0
Stop	16:49	-8.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-5A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.6 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3686

Flow Controller ID: 4042

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:37	-31
Check #1	10:49	-25.5
Check #2	12:43	-19.9
Check #3	14:38	-13.8
Stop	16:32	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-5B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	5.3 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3209

Flow Controller ID: 3107

Pressure Reported by Laboratory: -29.0 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:41	-32
Check #1	10:51	-24.2
Check #2	12:45	-18.5
Check #3	14:40	-12.1
Stop	16:38	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-6A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5624

Flow Controller ID: 4750

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:24	-31
Check #1	10:38	-23.6
Check #2	12:36	-16.0
Check #3	14:35	-8.0
Stop	15:20	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-6B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3086

Flow Controller ID: 4499

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:34	-34
Check #1	10:48	-26.9
Check #2	12:42	-19.8
Check #3	14:36	-12.8
Stop	16:30	-6.7

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-7

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.1 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3630

Flow Controller ID: 3984

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:15	-31
Check #1	10:16	-25.2
Check #2	12:28	-18.0
Check #3	14:52	-10.0
Stop	15:30	-8.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-7A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.6 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 2523

Flow Controller ID: 2768

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:18	-28.3
Check #1	10:35	-21.5
Check #2	12:30	-14.0
Check #3	14:14	-7.8
Stop	14:46	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-7B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.6 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	5.5 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5131

Flow Controller ID: 2931

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:32	-30.0
Check #1	10:46	-23.5
Check #2	12:41	-17.5
Check #3	14:18	-12.0
Stop	16:27	-6.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-8A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.5 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4335

Flow Controller ID: 3786

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:22	-31
Check #1	10:37	-24.9
Check #2	12:33	-18.5
Check #3	14:33	-12.0
Stop	16:20	-6.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-8B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4795

Flow Controller ID: 4745

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:27	-28.9
Check #1	10:43	-21.2
Check #2	12:38	-14.0
Check #3	14:16	-7.5
Stop	14:55	-5.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-8C

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3346

Flow Controller ID: 3954

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:30	-29.0
Check #1	10:44	-22.9
Check #2	12:40	-15.9
Check #3	14:17	-11.0
Stop	15:57	-5.7

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-1B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.9 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4802

Flow Controller ID: 3860

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:53	-29.7
Check #1	11:00	-26.1
Check #2	12:38	-23.1
Check #3	14:22	-20.2
Check #4	16:48	-16.5
Check #5	18:20	-14.0
Stop	19:07	-12.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-2B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4312

Flow Controller ID: 5183

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	9:00	-30.0
Check #1	11:04	-22.0
Check #2	12:42	-16.0
Check #3	14:25	-10.0
Stop	15:38	-5.2

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-2C

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3233

Flow Controller ID: 4052

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:58	-30.0
Check #1	11:03	-23.8
Check #2	12:41	-18.5
Check #3	14:24	-13.0
Stop	16:51	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	~480 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 5968

Flow Controller ID: 5232

Pressure Reported by Laboratory: -29.7 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:39	-29.5
Check #1	10:50	-23.3
Check #2	12:44	-17.9
Check #3	14:39	-12.0
Stop	16:36	-6.2

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3508

Flow Controller ID: 4244

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:46	-31
Check #1	10:56	-25.1
Check #2	12:35	-20.1
Check #3	14:28	-14.5
Stop	16:42	-8.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3D

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4150

Flow Controller ID: 3743

Pressure Reported by Laboratory: -29.9 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:48	-26.9
Check #1	10:57	-21.5
Check #2	12:36	-16.5
Check #3	14:29	-11.0
Stop	16:43	-4.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3E

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.9 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 5030

Flow Controller ID: 4205

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:51	-30.0
Check #1	10:58	-23.5
Check #2	12:37	-17.9
Check #3	14:30	-12.4
Stop	16:45	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-4

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.6 ppm	**Approximate Purge Volume:**	~600 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3257

Flow Controller ID: 5200

Pressure Reported by Laboratory: -29.3 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:56	-27.0
Check #1	11:01	-23.7
Check #2	12:40	-17.5
Check #3	14:23	-12.8
Stop	16:49	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-5A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.6 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3381

Flow Controller ID: 4747

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:37	-34
Check #1	10:49	-29.5
Check #2	12:43	-26.5
Check #3	14:38	-23.0
Check #4	16:35	-29.9
Check #5	18:17	-17.0
Stop	19:16	-15.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-5B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	~510 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3012

Flow Controller ID: 5185

Pressure Reported by Laboratory: -29.8 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:41	-27.9
Check #1	10:51	-23.0
Check #2	12:45	-18.5
Check #3	14:40	-11.1
Stop	16:38	-6.3

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-6A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4919

Flow Controller ID: 4041

Pressure Reported by Laboratory: -29.7 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:24	-29.0
Check #1	10:38	-23.1
Check #2	12:36	-16.8
Check #3	14:35	-10.6
Stop	16:22	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-6B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4016

Flow Controller ID: 3048

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:34	-30.2
Check #1	10:48	-23.1
Check #2	12:42	-17.2
Check #3	14:36	-11.1
Stop	16:16	-5.7

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4012

Flow Controller ID: 3930

Pressure Reported by Laboratory: -29.7 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:15	-27.1
Check #1	10:16	-21.6
Check #2	12:28	-15.5
Check #3	14:52	-8.2
Stop	15:30	-6.2

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7A/SS-VMP-DUP

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.8 ppm	**Approximate Purge Volume:**	~510 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 2689 (7A) / 4332 (DUP)

Flow Controller ID: 4523 (7A) / 5184 (DUP)

Pressure Reported by Laboratory: -29.6 inches Hg (7A)
-29.4 inches Hg (DUP)

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time		Pressure (inches Hg)	
Start	8:18	8:18	-34	-29.5
Check #1	10:36	10:36	-29.0	-29.0
Check #2	12:30	12:30	-25.5	-25.5
Check #3	14:14	14:14	-20.1	-22.5
Check #4	16:19	16:19	-16.2	-19.1
Check #5	18:17	18:17	-12.5	-16.0
	(7A)	***(DUP)***	***(7A)***	***(DUP)***
Stop	19:11	19:11	-10.5	-14.8

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.6 ppm	**Approximate Purge Volume:**	~510 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 2535

Flow Controller ID: 3114

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:32	-30.0
Check #1	10:46	-23.5
Check #2	12:41	-17.5
Check #3	14:18	-12.0
Stop	16:27	-5.3

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8A

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.7 ppm	**Approximate Purge Volume:**	~510 mL
Sampling Depth:	0.6 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4383

Flow Controller ID: 3470

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:22	-28.8
Check #1	10:37	-23.0
Check #2	12:33	-18.0
Check #3	14:33	-13.0
Stop	16:20	-9.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8B

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 5141

Flow Controller ID: 3099

Pressure Reported by Laboratory: -29.1 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:27	-32
Check #1	10:43	-28.0
Check #2	12:38	-25.0
Check #3	14:16	-21.5
Check #4	16:25	-18.0
Check #5	18:18	-15.0
Stop	19:13	-12.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8C

Client:	Lockheed Martin Corp.	**Date:**	1/15/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800.15.3.1	**Temperature:**	Indoors
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington/L. Best	**Equipment:**	PID; GilAir5
Background PID Ambient Air Reading:	0.5 ppm	**Approximate Purge Volume:**	~600 mL
Sampling Depth:	0.7 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4834

Flow Controller ID: 3378

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water
- -	See results of quarterly WL gauging

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:30	-33
Check #1	10:44	-26.1
Check #2	12:40	-20.2
Check #3	14:17	-15.0
Stop	16:25	-8.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Ambient Air Sample Collection Log

Sample ID: AMB-20150325

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	sunny
Project #:	190500800	**Temperature/Pressure:**	36.7° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	moderate / from NE
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.0 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.3 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5055

Flow Controller ID: 3980

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	7:50	-29
Check #1	10:05	-21.5
Check #2	12:05	-15.0
Stop	14:36	-6.6

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-1B/IA-VMP-DUP

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.6 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 2521 (1B) / 4249 (DUP)

Flow Controller ID: 3440 (1B) / 3171 (DUP)

Pressure Reported by Laboratory: -29.6 inches Hg (1B)
-29.9 inches Hg (DUP)

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time		Pressure (inches Hg)	
Start	8:20	8:20	-30.0	-30.5
Check #1	10:24	10:24	-24.1	-24.5
Check #2	12:03	12:03	-19.1	-19.8
Check #3	14:03	14:03	-13.9	-14.0
Check #4	16:09	16:09	-7.9	-7.9
	(1B)	***(DUP)***	***(1B)***	***(DUP)***
Stop	16:21	16:21	-7.3	-7.4

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-2B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3285

Flow Controller ID: 4246

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:24	-33
Check #1	10:28	-26.1
Check #2	12:06	-20.2
Check #3	14:06	-13.1
Stop	16:12	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-2C

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4462

Flow Controller ID: 4207

Pressure Reported by Laboratory: -29.9 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:22	-29.3
Check #1	10:27	-21.8
Check #2	12:05	-16.1
Check #3	14:07	-9.5
Stop	15:24	-5.6

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	73.3° F / 29.81" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3317

Flow Controller ID: 5186

Pressure Reported by Laboratory: -29.7 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	7:59	-28.5
Check #1	10:07	-23
Check #2	12:00	-17
Check #3	14:11	-10.5
Check #4	15:05	-8.5
Stop	15:32	-7.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.1 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 2967

Flow Controller ID: 4189

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:08	-29.9
Check #1	10:21	-24.5
Check #2	12:00	-18.8
Check #3	14:12	-11.1
Stop	16:05	-5.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3D

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4335

Flow Controller ID: 4188

Pressure Reported by Laboratory: -29.7 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:16	-30.0
Check #1	10:22	-23.0
Check #2	12:01	-18.0
Check #3	14:00	-11.7
Stop	16:07	-5.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-3E

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.6° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.9 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4380

Flow Controller ID: 4050

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:18	-28.0
Check #1	10:23	-21.4
Check #2	12:02	-16.2
Check #3	14:01	-10.0
Stop	15:22	-5.4

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-4

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5059

Flow Controller ID: 4745

Pressure Reported by Laboratory: -29.5 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:21	-29.9
Check #1	10:25	-21.8
Check #2	12:04	-13.0
Check #3	13:07	-8.2
Stop	14:04	-4.1

Observations/Notes: Burning plastic smell beginning ~09:00

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-5A/IA-VMP-5A-s

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	72.4° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	5.2 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5714 (5A) / 1216 (5A-s)

Flow Controller ID: 3450 (5A) / 1443 (5A-s)

Pressure Reported by Laboratory: -29.5 inches Hg (5A)
not provided (5A-s)

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time		Pressure (inches Hg)	
Start	8:05	8:05	< -30.0	-26.0
Check #1	10:10	10:10	-25.5	-19.2
Check #2	12:02	12:02	-19.0	-10.0
Check #3	12:40	12:40	-17.0	-9.2
Check #4	14:13	-	-11.5	-
Check #5	15:05	-	-9.0	-
	(5A)	***(5A-s)***	***(5A)***	***(5A-s)***
Stop	15:58	12:50	-6.5	-5.5

Observations/Notes: note that two samples were collected at this location for analysis (5A was sent to TestAmerica; and 5A-s was sent to Centek)

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-5B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	73.4° F / 29.81" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.4 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	5.3 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5463

Flow Controller ID: 5206

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:02	-29.0
Check #1	10:09	-21.5
Check #2	12:01	-15.0
Check #3	14:12	-9.0
Stop	15:03	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-6A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.1 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4297

Flow Controller ID: 5175

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:28	< -30
Check #1	10:19	-28.5
Check #2	12:05	-22.5
Check #3	14:03	-16.5
Check #4	15:14	-13.5
Stop	16:45	-8.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-6B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.8° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.6 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3427

Flow Controller ID: 3948

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:10	-30.0
Check #1	10:12	-25.0
Check #2	12:04	-18.5
Check #3	14:10	-12.0
Check #4	15:08	-9.0
Stop	16:36	-5.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-7

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.4 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 3365

Flow Controller ID: 3484

Pressure Reported by Laboratory: -29.3 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:16	< -30
Check #1	10:20	-24.5
Check #2	12:07	-17.0
Check #3	13:59	-9.5
Stop	15:14	-5.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-7A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	3.9 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4569

Flow Controller ID: 3936

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:26	-30.0
Check #1	10:15	-25.5
Check #2	12:06	-19.5
Check #3	14:01	-14.0
Check #4	15:11	-10.5
Stop	16:33	-6.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-7B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	5.4 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5985

Flow Controller ID: 3107

Pressure Reported by Laboratory: -29.3 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:13	< -30.0
Check #1	10:15	-24.5
Check #2	11:55	-18.5
Check #3	14:08	-10.5
Stop	15:09	-7.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-8A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.3 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 4577

Flow Controller ID: 3123

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:00	-31 (< -30)
Check #1	10:17	-19.5
Check #2	12:00	-10.0
Check #3	12:40	-7.0
Stop	13:00	-6.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-8B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.1 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.0 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 5702

Flow Controller ID: 3480

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:05	-32 (< -30)
Check #1	10:22	-25.5
Check #2	12:02	-20.0
Check #3	13:53	-13.5
Check #4	15:16	-9.5
Stop	16:11	-6.5

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Indoor Air Sample Collection Log

Sample ID: IA-VMP-8C

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID
Background PID Ambient Air Reading:	0.2 ppm	**Approximate Purge Volume:**	N/A
Sampling Depth:	4.3 ft AGS	**Moisture Content:**	N/A

SUMMA Canister Information:

Size: 6L

Canister ID: 2781

Flow Controller ID: 4724

Pressure Reported by Laboratory: -29.6 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:15	-31 (< -30)
Check #1	10:23	-24.5
Check #2	12:03	-19.0
Check #3	14:07	-11.0
Check #4	15:16	-8.0
Stop	15:40	-7.0

Observations/Notes:

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-1B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.9 ppm (3/24/2015) 0.4 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4546

Flow Controller ID: 7644

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		***Post-Helium enrichment***		***Pre-Helium enrichment***		***Post-Helium enrichment***	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	30	50	50

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:20	-30.0
Check #1	10:25	-24.1
Check #2	12:03	-20.0
Check #3	14:03	-13.9
Check #4	16:09	-8.0
Stop	16:22	-7.5

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-2B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.7 ppm (3/24/2015) 0.3 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 2908

Flow Controller ID: 7269

Pressure Reported by Laboratory: -29.9 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:24	-29.4
Check #1	10:28	-20.8
Check #2	12:06	-13.5
Check #3	13:08	-10.0
Stop	14:06	-5.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-2C

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4787

Flow Controller ID: 7638

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	600	75	425

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:22	-29.7
Check #1	10:27	-23.9
Check #2	12:05	-18.8
Check #3	14:07	-12.4
Stop	16:11	-6.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	73.3° F / 29.81" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.0 ppm (3/24/2015) 0.4 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3394

Flow Controller ID: 7650

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	200	0	275	0	0	0	1,025

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:01	-30.0
Check #1	10:08	-24.0
Check #2	12:00	-17.5
Check #3	14:11	-10.5
Check #4	15:05	-7.5
Stop	15:34	-6.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.2 ppm (3/24/2015) 0.1 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3975

Flow Controller ID: 7653

Pressure Reported by Laboratory: -29.4 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:07	-32
Check #1	10:21	-24.9
Check #2	12:00	-19.5
Check #3	14:12	-12.1
Stop	16:05	-6.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3D

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.4 ppm (3/24/2015) 0.2 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 2748

Flow Controller ID: 7249

Pressure Reported by Laboratory: -29.3 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		***Post-Helium enrichment***		***Pre-Helium enrichment***		***Post-Helium enrichment***	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	150	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:16	-30.5
Check #1	10:22	-24.5
Check #2	12:01	-19.1
Check #3	14:00	-12.8
Stop	16:07	-6.1

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-3E

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.6° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	1.8 ppm (3/24/2015) 0.9 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3614

Flow Controller ID: 7247

Pressure Reported by Laboratory: -30.0 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:18	-28.3
Check #1	10:23	-22.1
Check #2	12:02	-18.3
Check #3	14:01	-12.8
Stop	16:08	-6.8

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-4

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 5660

Flow Controller ID: 7198

Pressure Reported by Laboratory: -29.1 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		***Post-Helium enrichment***		***Pre-Helium enrichment***		***Post-Helium enrichment***	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
125	0	50	0	75	0	50	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:21	-29.6
Check #1	10:25	-23.5
Check #2	12:04	-18.7
Check #3	14:04	-12.7
Stop	16:10	-6.3

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-5A/SS-VMP-5A-s

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	72.4° F / 29.82" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.2 ppm (3/24/2015) 0.4 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 5659 (5A) / 829 (5A-s)

Flow Controller ID: 7624 (5A) / 1421 (5A-s)

Pressure Reported by Laboratory: -29.4 inches Hg (5A)
not provided (5A-s)

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time		Pressure (inches Hg)	
Start	8:07	8:07	-30.0	-30.0
Check #1	10:11	10:11	-24.5	-20.0
Check #2	12:02	12:02	-19.5	-10.2
Check #3	12:40	12:40	-18.0	-7.2
Check #4	14:14	-	-13.5	-
Check #5	15:05	-	-10.5	-
	(5A)	***(5A-s)***	***(5A)***	***(5A-s)***
Stop	16:04	12:50	-8.5	-6.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

note that two samples were collected at this location for analysis
(5A was sent to TestAmerica; and 5A-s was sent to Centek)

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-5B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	73.4° F / 29.81" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.2 ppm (3/24/2015) 0.4 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 2634

Flow Controller ID: 7254

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	100	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:03	-30.0
Check #1	10:09	-24.0
Check #2	12:01	-17.5
Check #3	14:12	-10.0
Stop		

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-6A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3457

Flow Controller ID: 7278

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
25	50	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:29	< -30
Check #1	10:19	-26.5
Check #2	12:05	-20.5
Check #3	14:03	-14.0
Check #4	15:14	-11.5
Stop	16:44	-6.5

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-6B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.8° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4083

Flow Controller ID: 7382

Pressure Reported by Laboratory: -29.0 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
50	50	0	150	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:11	< -30
Check #1	10:13	-26.5
Check #2	12:04	-22.0
Check #3	14:10	-16.5
Check #4	15:08	-13.5
Stop	17:15	-9.5

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3161

Flow Controller ID: 7190

Pressure Reported by Laboratory: -29.1 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:17	< -30.0
Check #1	10:21	-25.5
Check #2	12:07	-19.5
Check #3	13:59	-14.5
Check #4	15:15	-11.0
Stop	16:27	-6.8

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7A/SS-VMP-DUP

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4316 (7A) / 2567 (DUP)

Flow Controller ID: 7629 (7A) / 7251 (DUP)

Pressure Reported by Laboratory: -29.4 inches Hg (7A)
-29.4 inches Hg (DUP)

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		***Post-Helium enrichment***		***Pre-Helium enrichment***		***Post-Helium enrichment***	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	50

Sampling Information:

	Time		Pressure (inches Hg)	
Start	8:26	8:21	< -30.0	-30.0
Check #1	10:16	10:16	-27.0	-26.5
Check #2	12:06	12:06	-23.0	-22.5
Check #3	14:02	14:02	-18.5	-18.5
Check #4	15:11	15:11	-16.0	-16.5
	(7A)	***(DUP)***	***(7A)***	***(DUP)***
Stop	17:43	17:43	-10.5	-12.0

Observations/Notes: Passed both pre- and post-sampling helium tests.
Audible suction from tube in SS point.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-7B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.5° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.3 ppm (3/24/2015) 0.2 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 - 1.0 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4870

Flow Controller ID: 7302

Pressure Reported by Laboratory: -29.1 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:14	< -30.0
Check #1	10:15	-26.5
Check #2	11:55	-20.5
Check #3	14:08	-13.0
Check #4	15:10	-10.2
Stop	16:15	-7.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8A

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.2 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.6 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 3291

Flow Controller ID: 8001

Pressure Reported by Laboratory: -29.3 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	75	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:00	-34 (< -30)
Check #1	10:17	-26.5
Check #2	12:00	-21.0
Check #3	14:03	-14.5
Check #4	15:12	-10.5
Stop	16:23	-6.5

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8B

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.1° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.1 ppm	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.5 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 4907

Flow Controller ID: 8000

Pressure Reported by Laboratory: -29.1 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:05	-30.0
Check #1	10:22	-28.0
Check #2	12:02	-22.0
Check #3	13:53	-16.0
Check #4	15:16	-14.2
Stop	17:45	-6.0

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

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Sub-Slab Vapor Sample Collection Log

Sample ID: SS-VMP-8C

Client:	Lockheed Martin Corp.	**Date:**	3/25/2015
Project:	2015 Annual VI Monitoring	**Weather:**	Indoors
Project #:	190500800	**Temperature/Pressure:**	71.3° F / 29.83" Hg
Location:	Utica, NY	**Wind Speed/Direction:**	Indoors
Sampler(s):	W. Armington, A. Glose, L.Best	**Equipment:**	PID, GilAir Pump, Helium Meter
Background PID Ambient Air Reading:	0.0 ppm (3/24/2015) 0.2 ppm (3/25/2015)	**Approximate Purge Volume:**	~500 mL
Sampling Depth:	0.7 ft BGS	**Moisture Content:**	dry

SUMMA Canister Information:

Size: 6L

Canister ID: 5164

Flow Controller ID: 7259

Pressure Reported by Laboratory: -29.2 inches Hg

Nearby Groundwater Levels:

Well ID	Depth to Water (ft BTOIC)
PZ-5	9.99
PZ-7	8.97
PZ-8	9.30
PZ-9	8.18
PZ-10	8.82

Tracer Gas Testing:

Test 1 (before VI sample collection)				Test 2 (after VI sample collection)			
Pre-Helium enrichment		*Post-Helium enrichment*		*Pre-Helium enrichment*		*Post-Helium enrichment*	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0	0	0	0	0	0	0	0

Sampling Information:

	Time	Pressure (inches Hg)
Start	8:25	-31 (< -30)
Check #1	10:23	-25.0
Check #2	12:03	-18.0
Check #3	14:07	-12.0
Check #4	15:16	-8.5
Stop	16:09	-6.5

Observations/Notes: Passed both pre- and post-sampling helium tests.

To calculate sampling train volume: When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space volume is approximately 150 mL. Each foot of 1/4-inch tubing is approximately 10 mL. 3x volume of sampling train should be purged prior to sample collection. *Purge volume = 3X (150 + (10 x #ft tubing))*

APPENDIX B

Analytical Laboratory Results

APPENDIX C

Data Usability Summary Reports

Stantec Data Usability Summary Report **Report No. 021115-EC-01**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Test America, Burlington, VT
Date Validated: 02/10/15	Laboratory Project Number: 200-26359-1
Sample Start-End Date: 01/15/15	Laboratory Report Date: 01/26/15
Parameters Validated: Volatile Organic Compounds by EPA TO-15	
Samples Validated: 20 indoor air samples – See Samples Validated Table	

VALIDATION CRITERIA CHECK

Data review based on *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009, *USEPA National Functional Guidelines* (USEPA, 1999b), USEPA Region II SOPs and NYSDEC ASP 2005 – Tier III Validation

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

B The analyte was detected in the method, field and/or trip blank.

1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes	No X
Comments:		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes X	No
Comments:		

7. Were detections found in laboratory blank samples?	Yes	No X
Comments:		
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples? NA	Yes	No
Comments: No blank sample submitted.		
9. Were instrument calibrations within method criteria?	Yes	No X
Comments: Instrument CHC.i dated ICV 12/02/14 – %D ±25% below limits for naphthalene. Associated results for IA-VMP-8C, AMB-20150115 and IA-VMP-DUP are flagged "UJ" and are biased low. Reason Code – ICV		
10. Were surrogate recoveries within 70-130% control limits?	Yes X	No
Comments:		
11. Were laboratory control (LC/LD) sample recoveries within 70-130% control limits?	Yes X	No
Comments:		
12. Were site specific matrix spike (MS/MD) recoveries within 70-130% control limits? NA	Yes	No
Comments: No matrix spike samples required.		
13. Were RPDs within 30% control limit?	Yes X	No
Comments:		
14. Were dilutions required on any samples?	Yes X	No
Comments: Samples analyzed at multiple dilutions. No qualifying action taken.		
15. Were Tentatively Identified Compounds (TIC) present?	Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL		
16. Were organic system performance/instrument tune criteria met?	Yes X	No
Comments:		
17. Were GC/MS internal standards within method criteria?	Yes X	No
Comments:		
18. Were inorganic method performance criteria met? NA	Yes	No

Comments: No inorganic analyses requested.		
19. Were field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample Nos. IA-VMP-1B IA-VMP-DUP	Yes X	No
Comments: Pair 1 - All RPDs within ±25% limit except isopropyl alcohol, methyl methacrylate, styrene and isopropyltoluene. Associated results flagged "J" for the duplicate samples only. Reason Code – FDUP		
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No / Initials EAC
Comments:		
21. Other:	Yes X	No
Comments: Questionable Chromatograms: IA-VMP-1B – tetrachloroethene IA-VMP-3A- tetrahydrofuran IA-VMP-3D – carbon tetrachloride and tetrachloroethene IA-VMP-5B – tetrahydrofuran IA-VMP-6A – carbon tetrachloride and tetrahydrofuran IA-VMP-3E – carbon tetrachloride IA-VMP-5A - tetrahydrofuran IA-VMP-7 - tetrahydrofuran IA-VMP-7A - tetrahydrofuran IA-VMP-7B – carbon tetrachloride, styrene and tetrahydrofuran IA-VMP-8A – styrene, tetrachloroethene and tetrahydrofuran IA-VMP-8B – tetrachloroethene and tetrahydrofuran IA-VMP-8C – 1,3-butadiene IA-VMP-DUP – tetrahydrofuran and trans-1,2dichloroethene. Associated results flagged "J" Reason Code – ID		

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Data are usable as flagged. See Form 1s for flagged data.

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Sensitivity:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC

Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Data Usability Summary Report **Report No. 021115-EC-02**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Test America, Burlington, VT
Date Validated: 02/03/15	Laboratory Project Number: 200-26361-1
Sample Start-End Date: 01/15/15	Laboratory Report Date: 01/28/15
Parameters Validated: Volatile Organic Compounds by EPA TO-15	
Samples Validated: 19 sub-soil samples – See Samples Validated Table	

VALIDATION CRITERIA CHECK

Data review based on *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009, *USEPA National Functional Guidelines* (USEPA, 1999b), USEPA Region II SOPs and NYSDEC ASP 2005 – Tier III Validation

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

B The analyte was detected in the method, field and/or trip blank.

1.	Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:			
2.	Did the laboratory identify any non-conformances related to the analytical result?	Yes	No X
Comments:			
3.	Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:			
4.	Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:			
5.	Were sample holding times met?	Yes X	No
Comments:			
6.	Were correct concentration units reported?	Yes X	No
Comments:			

7. Were detections found in laboratory blank samples?	Yes	No X
Comments:		
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples? NA	Yes	No
Comments: No blank sample submitted.		
9. Were instrument calibrations within method criteria?	Yes X	No
Comments:		
10. Were surrogate recoveries within 70-130% control limits?	Yes X	No
Comments:		
11. Were laboratory control (LC/LD) sample recoveries within 70-130% control limits?	Yes X	No
Comments:		
12. Were site specific matrix spike (MS/MD) recoveries within 70-130% control limits? NA	Yes	No
Comments: No matrix spike samples required.		
13. Were RPDs within 30% control limit?	Yes X	No
Comments:		
14. Were dilutions required on any samples?	Yes X	No
Comments: Samples analyzed at multiple dilutions. No qualifying action taken.		
15. Were Tentatively Identified Compounds (TIC) present?	Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged “NJ”. Reason Code – SQL		
16. Were organic system performance/instrument tune criteria met?	Yes X	No
Comments:		
17. Were GC/MS internal standards within method criteria?	Yes X	No
Comments:		
18. Were inorganic method performance criteria met? NA	Yes	No
Comments: No inorganic analyses requested.		

19. Were field duplicates collected? If so, discuss the precision (RPD) of the results.	Yes	No
	X	

Duplicate Sample Nos.
SS-VMP-7A SS-VMP-DUP

Comments: All RPDs within ±25% limit except dichlorodifluoromethane, chlorodifluoromethane, chloromethane, trichlorofluoromethane, 1,1,2-trichlorotrifluoroethane, acetone, isopropyl alcohol, trans-1,2-dichloroethene, methyl ethyl ketone, 2,2,4-trimethylpentane, Trichloroethene, Ethylbenzene, m,p-xylene, o-xylene, total xylene, 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene. Associated results flagged "J" for the duplicate samples only.
Reason Code – FDUP

20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes	No	Initials
	X		EAC

Comments:

21. Other:	Yes	No
	X	

Comments: Questionable Chromatograms:
SS-VMP-1B – carbon tetrachloride, methyl methacrylate and tetrahydrofuran
SS-VMP-2B – carbon tetrachloride, cyclohexane, 1,2-dichlorobenzene and tetrahydrofuran
SS-VMP-2C – cyclohexane
SS-VMP-3A – tetrahydrofuran
SS-VMP-3B - tetrahydrofuran
SS-VMP-3D – tetrahydrofuran
SS-VMP-5B – tetrahydrofuran
SS-VMP-6A – trichlorotrifluoroethane, tetrachloroethene and tetrahydrofuran
SS-VMP-6B – dichlorotetrafluoroethane and tetrahydrofuran
SS-VMP-3E – trichlorotrifluoroethane and tetrahydrofuran
SS-VMP-4 – tetrahydrofuran
SS-VMP-5A – methyl methacrylate and tetrahydrofuran
SS-VMP-7 - carbon tetrachloride, dichlorotetrafluoroethane and Trichloroethene (dilution)
SS-VMP-7B – methyl methacrylate
SS-VMP-8A – carbon tetrachloride
SS-VMP-8C – carbon tetrachloride

Associated results flagged "J"

Reason Code – ID

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Data are usable as flagged. See Form 1s for flagged data.

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Sensitivity:	Acceptable X	Unacceptable	Initials EAC

Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Data Usability Summary Report **Report No. 042915-EC-01**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Test America, Burlington, VT
Date Validated: 04/19/15	Laboratory Project Number: 200-27272-1
Sample Start-End Date: 03/25/15	Laboratory Report Date: 04/02/15

Parameters Validated: Volatile Organic Compounds by EPA TO-15

Samples Validated: 19 indoor air samples and 1 outdoor air sample – See Samples Validated Table

VALIDATION CRITERIA CHECK

Data review based on *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009, *USEPA National Functional Guidelines* (USEPA, 1999b), USEPA Region II SOPs and NYSDEC ASP 2005 – Tier III Validation

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

B The analyte was detected in the method, field and/or trip blank.

1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes	No X
Comments:		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes X	No
Comments:		

7. Were detections found in laboratory blank samples?		Yes X	No
Comments: Batch 200-86164 – methylene chloride = 0.11 ppbv. Associated sample results non-detect. No qualifying action required.			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank sample submitted.			
9. Were instrument calibrations within method criteria?		Yes	No X
Comments: Continuing calibration for instrument CHB.i dated 03/27/15 for batch 200-86147 - %RSD below ±25% limit for 1,2,4-trichlorobenzene (-29%) and Naphthalene (-29%). Associated sample results flagged "J" if positive or "UJ" if non-detect. Reason Code – CCAL Initial Calibration for instrument CHC.i dated 12/01/14 batches 200-86164, 200-86201 and 200-86252 - %RSD above ±30% limit for naphthalene (36%). Associated sample results flagged "UJ". Reason Code – ICAL Continuing calibration for instrument CHC.i dated 03/31/15 batch 200-86252 - %RSD below ±25% limit for Freon 12-dichlorodifluoromethane (-26%), Freon 11-trichlorofluoromethane (-27%) and carbon tetrachloride (-26%). Associated sample results flagged "J" if positive or "UJ" if non-detect. Reason Code – CCAL			
10. Were surrogate recoveries within 70-130% control limits?		Yes X	No
Comments:			
11. Were laboratory control (LC/LD) sample recoveries within 70-130% control limits?		Yes X	No
Comments:			
12. Were site specific matrix spike (MS/MD) recoveries within 70-130% control limits?	NA	Yes	No
Comments: No matrix spike samples required.			
13. Were RPDs within 30% control limit?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comments: Samples analyzed at multiple dilutions. No qualifying action taken.			
15. Were results reported that are below the reporting limit?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "J". Reason Code – SQL			
16. Were organic system performance/instrument tune		Yes	No

criteria met?		X	
Comments:			
17. Were GC/MS internal standards within method criteria?		Yes X	No
Comments:			
18. Were inorganic method performance criteria met?	NA	Yes	No
Comments: No inorganic analyses requested.			
19. Were field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample Nos. IA-VMP-1B IA-VMP-DUP		Yes X	No
Comments: All RPDs within ±25% limit except styrene, n-propylbenzene, 4-ethyltoluene, 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene. Associated results flagged "J" for the duplicate samples only. Reason Code – FDUP			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other:		Yes X	No
Comments: Questionable Chromatograms: IA-VMP-1B – tetrahydrofuran IA-VMP-DUP -tetrahydrofuran IA-VMP-2B – tetrahydrofuran IA-VMP-3A – tetrahydrofuran IA-VMP-5A – tetrahydrofuran IA-VMP-5B – methyl methacrylate and tetrahydrofuran. Dilution - cyclohexane IA-VMP-6A – 1,1-dichloroethene, methyl methacrylate and tetrahydrofuran IA-VMP-6B – methyl methacrylate and tetrahydrofuran IA-VMP-7A – tetrahydrofuran. Dilution - tetrahydrofuran IA-VMP-7B – tetrahydrofuran IA-VMP-8A – trichlorotrifluoroethane IA-VMP-8B – 4-ethylbenzene and tetrahydrofuran Associated results flagged "J" Reason Code – ID			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Data are usable as flagged. See Form 1s for flagged data.

Precision:	Acceptable X	Unacceptable	Initials EAC

Comments:			
Sensitivity:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Data Usability Summary Report **Report No. 042915-EC-02**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Test America, Burlington, VT
Date Validated: 04/20/15	Laboratory Project Number: 200-27272-2
Sample Start-End Date: 03/25/15	Laboratory Report Date: 04/02/15
Parameters Validated: Volatile Organic Compounds by EPA TO-15	
Samples Validated: 19 sub-slab vapor samples – See Samples Validated Table	

VALIDATION CRITERIA CHECK

Data review based on *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009, *USEPA National Functional Guidelines* (USEPA, 1999b), USEPA Region II SOPs and NYSDEC ASP 2005 – Tier III Validation

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

B The analyte was detected in the method, field and/or trip blank.

1.	Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:			
2.	Did the laboratory identify any non-conformances related to the analytical result?	Yes	No X
Comments:			
3.	Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:			
4.	Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:			
5.	Were sample holding times met?	Yes X	No
Comments:			
6.	Were correct concentration units reported?	Yes X	No
Comments:			

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank sample submitted.			
9. Were instrument calibrations within method criteria?		Yes	No X
Comments: Initial Calibration for instrument CHC.i dated 12/01/14 batches 200-86201 and 200-86252 - %RSD above ±30% limit for naphthalene (36%). Associated sample results flagged "UJ". Reason Code – ICAL Continuing calibration for instrument CHC.i dated 03/31/15 batch 200-86252 - %RSD below ±25% limit for Freon 12-dichlorodifluoromethane (-26%), Freon 11-trichlorofluoromethane (-27%) and carbon tetrachloride (-26%). Associated sample results flagged "J" if positive or "UJ" if non-detect. Reason Code – CCAL			
10. Were surrogate recoveries within 70-130% control limits?		Yes X	No
Comments:			
11. Were laboratory control (LC/LD) sample recoveries within 70-130% control limits?		Yes X	No
Comments:			
12. Were site specific matrix spike (MS/MD) recoveries within 70-130% control limits?	NA	Yes	No
Comments: No matrix spike samples required.			
13. Were RPDs within 30% control limit?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comments: Samples analyzed at multiple dilutions. No qualifying action taken.			
15. Were results reported that are below the reporting limit?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "J". Reason Code – SQL			
16. Were organic system performance/instrument tune criteria met?		Yes X	No
Comments:			
17. Were GC/MS internal standards within method criteria?		Yes X	No

Comments:			
18. Were inorganic method performance criteria met?	NA	Yes	No
Comments: No inorganic analyses requested.			
19. Were field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample Nos. SS-VMP-7A SS-VMP-DUP		Yes X	No
Comments: All RPDs within ±25% limit except Freon 12 – dichlorodifluoromethane, Freon 22 – chlorodifluoromethane, Freon 11 – trichlorofluoromethane, Freon 113 – trichlorotrifluoroethane, tert-butyl alcohol, trans-1,2-dichloroethene, methyl ethyl ketone, cis-1,2-dichloroethene, total 1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, cyclohexane, carbon tetrachloride, benzene, bromodichloromethane, methyl isobutyl ketone, tetrachloroethene, methyl butyl ketone, ethylbenzene, m,p-xylene, o-xylene, total xylene, styrene, 4-ethyltoluene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 4-isopropyltoluene, 1,4-dichlorobenzene and 1,3-dichlorobenzene. Associated results flagged "J" for the duplicate samples only. Reason Code – FDUP			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other:		Yes X	No

Comments: Questionable Chromatograms:

SS-VMP-1B – ethylbenzene and n-propylbenzene

SS-VMP-2B – carbon tetrachloride, ethylbenzene and n-propylbenzene. Dilution - ethylbenzene, n-propylbenzene and 1,3,5-trimethylbenzene.

SS-VMP-2C – tetrahydrofuran, ethylbenzene, styrene and 1,2,4-trimethylbenzene.

SS-VMP-3B – ethylbenzene.

SS-VMP-3D – methyl methacrylate.

SS-VMP-4 – ethylbenzene, n-propylbenzene and 4-isopropyltoluene.

SS-VMP-5A – ethylbenzene and styrene. Dilution – ethylbenzene.

SS-VMP-5B – 1,1,1-trichloroethane, ethylbenzene, and 1,2,4-trimethylbenzene. Dilution – tetrahydrofuran, ethylbenzene, styrene and 1,2,4-trimethylbenzene.

SS-VMP-6A – tetrahydrofuran

SS-VMP-6B – tetrahydrofuran, ethylbenzene. Dilution 1,2,4-trimethylbenzene.

SS-VMP-7 – tetrahydrofuran, 1,1,1-trichloroethane, ethylbenzene and 1,2,4-trimethylbenzene. Dilution – tetrahydrofuran, ethylbenzene, and 1,2,4-trimethylbenzene.

SS-VMP-7A – tetrahydrofuran, carbon tetrachloride, methyl methacrylate, ethylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene and 1,3-dichlorobenzene. Dilution – ethylbenzene, 1,2,4-trimethylbenzene and 1,3-dichlorobenzene.

SS-VMP-DUP – chloroethane, tetrahydrofuran, methyl methacrylate, 4-ethyltoluene, 1,2,4-trimethylbenzene and 1,4-dichloroenzene. Dilution – tetrahydrofuran, carbon tetrachloride, 1,2,4-trichlorobenzene.

SS-VMP-7B – methyl methacrylate and 1,3,5-trimethylbenzene. Dilution – ethylbenzene and 1,3,5-trimethylbenzene.

SS-VMP-8A – benzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene and 1,2,4-trichlorobenzene.

SS-VMP-8B – 1,2,4-trimethylbenzene. Dilution – 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.

Associated results flagged “J”

Reason Code – ID

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Data are usable as flagged. See Form 1s for flagged data.

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Sensitivity:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC

Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Data Usability Summary Report **Report No. 050815-EC-01**

Project Name: Lockheed, Utica, NY	Project Number: 190500800
Stantec Validator: Elizabeth Crowley	Laboratory: Centek Laboratories, LLC, Syracuse, NY
Date Validated: 05/08/15	Laboratory Project Number: C1503107
Sample Start-End Date: 03/25/15	Laboratory Report Date: 04/01/15
Parameters Validated: Volatile Organic Compounds by EPA TO-15	
Samples Validated: 1 indoor air sample and 1 sub-slab soil vapor sample – See Samples Validated Table	

VALIDATION CRITERIA CHECK

Data review based on *Quality Assurance Program Plan, Solvent Deck Area, Former French Road Facility, Utica, NY* October 14, 2009, *USEPA National Functional Guidelines* (USEPA, 1999b), USEPA Region II SOPs and NYSDEC ASP 2005 – Tier III Validation

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

B The analyte was detected in the method, field and/or trip blank.

1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes X	No
Comments: Case Narrative notes that one of three internal standards is above limits. The lab reanalyzed the sample at dilution and all internal standards are within limits. No qualifying action taken.		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes X	No

Comments:		
7. Were detections found in laboratory blank samples?	Yes	No X
Comments:		
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples? NA	Yes	No
Comments: No blank sample submitted.		
9. Were instrument calibrations within method criteria?	Yes	No X
Comments: Continuing calibration for instrument MSD#1 dated 03/28/15 batch R9471 - %RSD out of ±25% limit for acetone (+26%). Associated sample results flagged "J" if positive or "UJ" if non-detect. Reason Code – CCAL		
10. Were surrogate recoveries within 70-130% control limits?	Yes X	No
Comments:		
11. Were laboratory control (LC/LD) sample recoveries within 70-130% control limits?	Yes	No X
Comments: Batch R9471 - %Rs below ±30% limit for 1,4-dioxane (28%), hexachlorobutadiene (62%), methyl butyl ketone (36%), methyl ethyl ketone (54%) and methyl isobutyl ketone (26%). All associated sample results flagged "J" if positive or "UJ" if non-detect. Reason Code – LCS		
12. Were site specific matrix spike (MS/MD) recoveries within 70-130% control limits? NA	Yes	No
Comments: No matrix spike samples required.		
13. Were RPDs within 30% control limit?	Yes	No X
Comments: Batch R9471 – Laboratory control/laboratory control duplicate RPD above limit for 1,4-dichlorobenzene, 4-ethyltoluene (31%), hexachlorobutadiene (60%), isopropyl alcohol (34%), methyl butyl ketone (68%), methyl ethyl ketone (41%) and methyl isobutyl ketone. All associated sample results flagged "J" if positive. Non-detect results require no qualifying action. Reason Code – LCD		
14. Were dilutions required on any samples?	Yes X	No
Comments: Samples analyzed at multiple dilutions. No qualifying action taken.		
15. Were Tentatively Identified Compounds (TIC) present?	Yes	No X
Comments:		
16. Were organic system performance/instrument tune criteria met?	Yes X	No
Comments:		
17. Were GC/MS internal standards within method criteria?	Yes X	No

Comments:			
18. Were inorganic method performance criteria met?	NA	Yes	No
Comments: No inorganic analyses requested.			
19. Were field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample Nos.		Yes	No X
Comments:			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other:		Yes X	No
Comments: Questionable Chromatograms: IA-VMP-5A-5 – carbon tetrachloride SS-VMP-5A-5 – 4-ethyltoluene Associated results flagged "J" Reason Code – ID Questionable Results - Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "J". Reason Code – SQL			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Data are usable as flagged. See Form 1s for flagged data.

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Sensitivity:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Representativeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC

Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

APPENDIX D

Chemical Inventories

Appendix D. Product Inventory Form – January 11 and 12, 2015

Make and Model of field instrument used:

MiniRAE Photo Ionization Detector

List specific product found in the residence or area that have the potential to affect indoor air quality (e.g., gasoline or kerosene storage cans, glues, paints, cleaning solvents/products, polishes/waxes, new furniture/carpet, nail polish/hairspray/cologne).

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding Facility	LOOK Glass Cleaner	2 spray bottles (750 mL)	Used	30-60% Water, 30-60% 2-Butoxyethanol (CAS #111-76-2), 5-10% Sodium lauryl sulfate (CAS #151-21-3), 1-5% Sodium xylene sulfonate (CAS #1300-72-7), 1-5% Ammonium hydroxide (CAS #1336-21-6)	0.6-1.1	Y
Molding Facility	Speedball 2000 Heavy Duty Cleaner	2 spray bottles (750 mL)	Used	0.1-1.5% Monoethanolamine (CAS #100-51-6), 1-5% Diethylene glycol monoethyl ether (CAS #111-90-0), 0.1-1.5% Benzyl alcohol	0.6-1.1	Y
Mold Storage (Cabinet #2)	**Slide On/Cycle Mold Cleaner**	7, 12 oz can	6 New, 1 used	30-40% Natural Turpene (CAS #5989-27-5), **25-30% Isopropanol** (CAS #67-63-0), 22-32% Aliphatic hydrocarbon (CAS #64742-48-9), 8-12% Propane (CAS #74-98-6)	3.0	Y
Mold Storage (Cabinet #2)	**Slide White Rhino Rust Preventive**	5, 10 oz can	New	**50-60% Heptane** (CAS #00142-82-5), 20-30% proprietary rust preventive, 10-20% Propane CAS #74-98-6, 5-10% n-Butane (CAS #106-97-8), 4-8% Isobutane (CAS #75-28-5)	3.0	N
Mold Storage (Cabinet #2)	**Slide "PC" Polish Cleaner Compound**	4, 10 fl oz	New	50-70% Water, 2-5% Oxalic Acid (CAS #144-62-7), 30-35% Silica (CAS #148-60-7), 2-5% Ammonium Hydroxide (CAS #1336-21-6), **2-5% Isopropanol** (CAS #67-63-0), 2-5% Olecic Acid (CAS #112-80-1)	3.0	Y
Mold Storage (Cabinet #2)	**Dykem Steel Blue**	1, 8 fl oz	Used	30-60% n-Butyl acetate (CAS #123-86-4), 30-60% Ethanol (CAS #64-17-5), 10-30% n-Butyl alcohol (CAS #71-36-3), 1-5% n-Propyl Acetate (CAS #109-60-4), **1-5% Isopropyl alcohol** (CAS #67-63-0), 3-7% Diacetone alcohol (CAS #123-42-2), 0.1-1% Malachite Green (CAS #2437-29-8)	3.0	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	**Dykem Remover & Cleaner**	2, 12 oz	Used	**30-60% Acetone** (CAS #67-64-1), 10-30% Ethanol (CAS #64-17-5), 7-13% Butane (CAS #106-97-8), 1-5% n-Propyl acetate (CAS #109-60-4), 1-5% **Isopropyl alcohol** (CAS #67-63-0)	3.0	Y
Mold Storage (Cabinet #2)	Tempco High Temp Grease	1, 4 oz	Used	80-90% base fluid (CAS #68649-12-7), 1-5% Teflon (CAS #9002-84-0), 5-10% Fumed silica (CAS #68611-44-9)	3.0	Y
Mold Storage (Cabinet #2)	**Rust-oleum 2X Ultra Cover Paint + Primer**	1, 12 oz	New	**<40% Acetone** (CAS #67-64-1), <30% Liquefied petroleum gas (CAS #68476-86-8), <10% light petroleum hydrotreated naphtha (CAS #64742-49-0), **<10% Xylene** (CAS #1330-20-7), <5% Titanium Dioxide (CAS #13463-67-7), **<5% Ethylbenzene** (CAS #100-41-4), <5% light aromatic solvent naphtha (CAS #64742-95-6), **<5% 1,2,4-Trimethylbenzene** (CAS #1333-86-4)	3.0	Y
Mold Storage (Cabinet #2)	**Rust-oleum High Heat**	1, 12 oz	New	**<45% Acetone** (CAS #67-64-1), <25% Liquefied petroleum gas (CAS #68476-86-8), **<15% Xylene** (CAS #1330-20-7), **<5% Ethylbenzene** (CAS #100-41-4), <5% proprietary pigment, <5% Talc (CAS #14807-96-6), <5% Copper Chromite Black (CAS #68186-91-4), <5% light aromatic solvent naphtha (CAS #64742-95-6), **<5% 1,2,4-Trimethylbenzene** (CAS #1333-86-4), <1% Carbon Black (CAS #1333-86-4)	3.0	Y
Mold Storage (Cabinet #2)	**Rust-oleum gloss protective enamel**	3, 12 oz	1 New, 2 Used	**<30% Acetone** (CAS #67-64-1), <25% Liquefied petroleum gas (CAS #68476-86-8), **<10% Xylene** (CAS #1330-20-7), <10% n-Butyl acetate (CAS #123-86-4), **<5% Ethylbenzene** (CAS #100-41-4), <5% Propylene glycol monobutyl ether (CAS #5131-66-8)	3.0	Y
Mold Storage (Cabinet #2)	Slide Silicone Remover Concentrate	1, 16 fl oz spray	Used	Does not contain hazardous ingredients	3.0	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	**Loctite Naval Jelly Rust Dissolver**	1, 8 oz	Used	10-30% Phosphoric acid (CAS #7664-38-2), **1-5% Isopropyl alcohol** (CAS# 67-63-0), 1-5% Xanthan gum (CAS #11138-66-2), 0.1-1% Sulfiric acid (CAS #7664-93-9), 0.1-1% Silica (CAS #112945-52-5), 0.1-1% Diiron trioxide (CAS #1309-37-1), 0.1-1% Magnesium Oxide (CAS #1309-48-4), 0.1-1% Aluminum Oxide (CAS #1344-28-1)	3.0	Y
Mold Storage (Cabinet #2)	Master Appliance Ultratane Butane Fuel	1, 12 oz spray	Used	Isobutane (CAS #75-28-5), Propane (CAS #74-98-6), Butane (CAS #106-97-8)	3.0	Y
Mold Storage (Cabinet #2)	Gesswein Stoning Oil	4 oz	Used	100% Petroleum distillates hydrotreated middle (CAS #64742-46-7)	3.0	Y
Mold Storage (Cabinet #2)	Kester 1544 Rosin Soldering Flux	1 bottle	Used	40-50% Rosin (CAS #8050-09-7), 20-25% sec-butanol (CAS #78-92-2), 15-20% ethanol (CAS #64-17-5), 1-2.5% isopropanol (CAS #67-63-0), 1-2.5% methanol (CAS #67-56-1)	3.0	Y
Mold Storage (Cabinet #2)	Kano ExRust	1, 12 oz	Used	40-70% Inert non-hazardous ingredient (CA S#7732-18-5), 20-40% Phosphoric acid (CAS #7664-38-2), 5-10% Glycol ether (CAS #111-76-2), 1-5% Triethanolamine (CAS #102-71-6), 1-5% Tetrasodium pyrophosphate (CAS #7722-88-5), 1-5% Proprietary surfactant	3.0	Y
Mold Storage (Cabinet #2)	**Kano Georope**	1, 12 oz	Used	30-60% severely hydrotreated naphthenic oil (CAS #64742-52-5), 10-30% propane/isobutene/n-butane (CAS #68476-86-8), 3-7% hydrotreated heavy naphthenic (CAS #64742-01-4), **1-5% isopropyl alcohol** (CAS #67-63-0), 1-5% n-butyl alcohol (CAS #71-36-3), 1-5% graphite (CAS #7782-42-5)	3.0	Y
Mold Storage (Cabinet #2)	Permatex Ultra Copper Gasket Maker	1, 3 oz tube	Used	50-70% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), 20-40% polydimethylsiloxane (CAS #63148-62-9), <10% modified silicon dioxide (CAS #68611-44-9), <7% vinyl oximinosilane (CAS #2224-33-1), <3% iron oxide (CAS #1309-37-1), <3% silica, mica (CAS #12001-26-2), 0.5-2% 2-butanone oxime (CAS #96-29-7)	3.0	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	FasSeal	2, 50 mL	Used	40-60% Methacrylate ester (CAS #109-17-1), 20-30% Polymeric plasticizer (CAS #25103-87-1), 10-20% Cellulose ester (CAS #9004-38-8), 1-10% Polytetrafluoroethylene (CAS #9002-84-0), 1-3% Cumene hydroperoxide (CAS #80-15-9), 1-5% Titanium dioxide (CAS #13463-67-7), 1-3% Saccharin (CAS #80-07-2)	3.0	Y
Mold Storage (Cabinet #2)	Parker Super O-Lube	3, 2 oz tubes	New	Does not contain hazardous ingredients	3.0	Y
Mold Storage (Cabinet #2)	LPS premium nickel anti-seize	1, 1 lb	Used	30-60% Petroleum oil (CAS #64742-52-5), 20-30% Nickel (metallic) (CAS #7440-02-0), 10-30% Residual oils (CAS #64742-57-0)	3.0	Y
Mold Storage (Cabinet #2)	Dynatex Silicone Compound	1, 16 oz	Used	25-55% Calcium carbonate CAS#1317-65-3, 10-30% Proprietary non-haz plasticizer, 10-30% Proprietary non-haz polymer, >3% Vinyltrimethoxysilane CAS#2768-02-7, >3% n-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane CAS#1760-24-3	3.0	Y
Mold Storage (Cabinet #2)	Lubriplate No. 1242	14.5 oz	1 used	55-60% Heavy hydrotreated naphthenic distillates (petroleum) (CAS #64742-52-5), 10-15% Residual oils (petroleum), solvent dewaxed (CAS #64742-62-7), 10-15% Polybutene (CAS #9003-29-6), 5-10% Lithium hydroxystearate (CAS #7620-77-1), 0-5% Zinc oxide (CAS #1314-13-2), 0-5% Proprietary additive package	2.9	Y
Mold Storage (Cabinet #2)	Old Bull Mold Grease	1, 8 lb bucket	Used	70-90% Decene homopolymer (CAS #68037-01-4), 5-25% Organophillic clay (CAS #68953-58-2), 0.1-10% Polytetrafluoroethylene (CAS #9002-84-0), 0.1-10% Methylene bis dithiocarbonate (CAS #10254-57-6), 0.1-10% Zinc oxide (CAS #1314-13-2)	2.7	Y
Mold Storage (Cabinet #2)	Slide Bulk Super Grease 43900	35 lbs	Used	80-90% Base Fluid (CAS #68649-12-7), 1-5% Teflon (CAS #9002-84-0), 5-10% Fumed Silica (CAS #68611-44-9)	3.1	N
Mold Storage (Cabinet #2)	Tri-Cool MD-1	1 gallon	Used	Does not contain hazardous ingredients (vegetable oil based lubricant	2.7	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	Klean Strip Odorless Mineral Spirits	1 gallon	Used	100% hydrotreated light petroleum distillate (CAS #64742-47-8)	2.7	Y
Mold Storage (Cabinet #2)	Premium Grease EP NLGI 2	14 oz	Used	70-99% Highly refined mineral oil (mixture: C15-C50), 1-5% Zinc dialkyldithiophosphate (CAS #68649-42-3)	2.7	Y
Mold Storage (Cabinet #2)	Mobil Vactra Oil No.2	2, 1 gal jugs	2 New	No reportable hazardous or complex substances.	2.7	Y
Mold Storage (Cabinet #2)	**Isopropyl Alcohol**	1 bottle; 1, 10 gallon tank	Used	**Isopropyl Alcohol** (CAS #67-63-0)	3.0-3.8	Y
Mold Storage (Cabinet #2)	**Acetone**	1 bottle	Used	**Acetone** (CAS #67-64-1)	3.0	Y
Mold Storage (Cabinet #2)	MBB Biodegradable Bulk Mold Cleaner	2, 5 gallon	1 new, 1 used	100% D-Limonene	3.8	Y
Mold Storage (Cabinet #2)	WD-40	5 gallon	New	45-50% Aliphatic Hydrocarbon (CAS #64742-47-8), < 25% Petroleum Based Oil (CAS #64742-58-1/64742-53-6/64742-56-9/64742-65-0), 12-18% LVP Aliphatic Hydrocarbon (CAS #64742-47-8), 2-3% Carbon Dioxide (CAS #124-38-9), < 2% surfactant (proprietary), < 10% non-hazardous ingredients (mixture)	3.8	Y
Mold Storage (Cabinet #2)	PHARMCO-AAPER Reagent alcohol 190 proof	1, 5 gallon	Used	84% Ethanol (CAS #64-17-5), **4.6% Isopropanol** (CAS #67-63-0), 4.4% Methanol (CAS #67-56-1), 6.9% Water	3.7	Y
Mold Storage (Cabinet #2)	**Acetone**	1, 5 gallon	Used	**Acetone** (CAS #67-64-1)	3.7	Y
Mold Storage (Cabinet #3)	Sta-Lube Air Tool Oil	1, 15 fl oz	Used	93-97% hydrotreated light naphthenic distillates (CAS #64742-53-6), 1-5% solvent-refined heavy naphthenic distillates (CAS #64741-96-4), Zinc dithiophosphate di-C1-14-aklyl esters (CAS #68649-42-3)	1.8	Y
Mold Storage (Cabinet #3)	Propane	1torch	Used	Propane (CAS #74-98-6)	1.8	Y
Mold Storage (Cart)	**Slide White Rhino Rust Preventive**	1, 10 oz can	Used	**50-60% Heptane** (CAS #00142-82-5), 20-30% proprietary rust preventive, 10-20% Propane CAS #74-98-6, 5-10% n-Butane (CAS #106-97-8), 4-8% Isobutane (CAS #75-28-5)	2.3	Y
Mold Storage (Cart)	Dynatex Silicone Heat Transfer Compound (part no. 49643)	1, 5 oz tube	New	<75% Zinc oxide (CAS #1314-13-2)	2.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cart)	3-IN-ONE Multi-Purpose Oil	1, 3 fl oz	Used	>97% Severely Hydrotreated Heavy Naphthenic Oil (CAS #64742-52-5), <3% Non-Hazardous Ingredients (mixture), <2% Naphtha, petroleum (CAS #64742-47-8)	2.3	Y
Mold Storage (Cart)	SafeKote Heat Transfer & Anti-Seize Compound	1, 12 oz	Used	40-50% copper (as dust or fumes; CAS # 7440-50-8), 40-50% non-hazardous ingredients	2.3	Y
Mold Storage (Cart)	Permatex Ultra Copper Gasket Maker	2, 3 oz tube	1 New, 1 Used	50-70% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), 20-40% polydimethylsiloxane (CAS #63148-62-9), <10% modified silicon dioxide (CAS #68611-44-9), <7% vinyl oximinosilane (CAS #2224-33-1), <3% iron oxide (CAS #1309-37-1), <3% silica, mica (CAS #12001-26-2), 0.5-2% 2-butanone oxime (CAS #96-29-7)	2.3	Y
Mold Storage (Cart)	Chesterton 690 FG Lubricant	1, 14 oz can	Used	5-10% petroleum gases, liquefied, sweetened (CAS #68476-86-8), 85-95% white mineral oil (CAS #8042-47-5)	2.3	Y
Mold Storage (Cart)	Lubriplate 1200-2	1, 14.5 oz can	Used	40-45% Residual oils (petroleum, solvent dewaxed; CAS #64742-62-7), 35-40% Heavy hydrotreated naphthenic distillates (CAS #64742-52-5), 5-10% Zinc oxide (CAS #1314-13-2), 5-10% 12 hydroxy stearic acid (CAS #106-14-9), 0-2% Antimony 0,0-diprophylphosphorodithionate (CAS #15874-48-3), 0-2% Inedible animal grease (CAS #68153-81-1), 0-2% Lithium hydroxide monohydrate (CAS #1310-66-3), 0-1% Butyl zimate (CAS #136-32-2), 0-1% Hydroxyalkyl carboxylic acid, 0-1% Methacrylate copolymer	2.3	Y
Mold Storage (Cart)	EP-2 Grease	1, 11 oz can	Used	80-95% base lubricating oil (CAS #64742-47-5), 3-10% lithium complex soap (CAS #7620-77-1), 1-5% corrosion inhibitor (CAS #61789-62-4)	2.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cart)	Blaster PB penetrating catalyst	1, 14.5 oz can	Used	0-3% Dinonylphenol ethoxylated phosphate (CAS #39464-64-7), 40-50% Solvent Naphtha, Heavy Aromatic (CAS #64742-94-5), 20-30% Heavy petroleum distillate (CAS #64742-52-5), 50-60% Hydrotreated light distillate (CAS #64742-47-8), 1-5% Carbon Dioxide propellant (CAS #124-38-9)	2.3	Y
Mold Storage (Cart)	CRC Contact Cleaner 2000	1, 13 oz can	Used	80-90% COzol 401 (proprietary), 5-10% Carbon Dioxide (CAS #124-38-9), 5-10% Decafluoropentane (HFC-43-10mee; CAS #138495-42-8), <0.2% Methanol (CAS #67-56-1)	2.3	Y
Mold Storage (Cart)	Slipkote Moly Paste	1, 4 oz tube	Used	55-60% Petroleum oils (CAS #64741-96-4/64742-62-7), 5-7% lithium hydroxystearate (CAS #7620-77-1), 55-20% molybdenum disulfide (CAS #1317-33-5), 10-20% proprietary components (NJTSRN #80100362-5045P/80100362-5046P)	2.3	Y
Mold Storage (Cart)	Super Blue Silicone type 613	1, 3 oz tube	Used	>60% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), <40% petroleum distallates hydrotreated middle (CAS #64742-46-7), 5-15% Amorphous Silica (CAS #7631-86-9), 1-5% ethyltriacetoxysilane (CAS #17689-77-9), 1-5% methyltriacetoxysilane (CAS #4253-34-3), balance is non-hazardous proprietary mixture	2.3	Y
Mold Storage (Cart)	FasSeal-ATS, Anaerobic thread sealant	1 tube	Used	40-60% Methacrylate ester (CAS #109-17-1), 20-30% Polymeric plasticizer (CAS #25103-87-1), 10-20% Cellulose ester (CAS #9004-38-8), 1-10% Polytetrafluoroethylene (CAS #9002-84-0), 1-3% Cumene hydroperoxide (CAS #80-15-9), 1-5% Titanium dioxide (CAS #13463-67-7), 1-3% Saccharin (CAS #80-07-2)	2.3	Y
Mold Storage (Cart)	Parker Super O-Lube	2, 2 oz tubes	1 New, 1 Used	Does not contain hazardous ingredients	2.2	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cart)	**Loctite Thread Sealant with Teflon (30534)**	1, 4 fl oz	Used	**30-60% Isopropyl alcohol** (CAS #67-63-0), 10-30% Talc (CAS #14807-96-6), 10-30% Castor Oil, 10-30% Vinyl terpolymer (CAS #27360-07-2), 1-5% Titanium dioxide (CAS #13463-67-7), 1-5% Poly(tetrafluoroethylene) (CAS #9002-84-0, 0.1-1% Silica, quartz (CAS #14808-60-7)	2.1	Y
Mold Machine Repair Shop	Tri-Cool MD-1	1 container	Used	Does not contain hazardous ingredients (vegetable oil based lubricant)	-	Y
Mold Machine Repair Shop	**Isopropyl Alcohol**	2 spray bottles	Used	**Isopropyl Alcohol** (CAS #67-63-0)	0.4	Y
Mold Machine Repair Shop	**Acetone**	2 spray bottles	Used	**Acetone** (CAS #67-64-1)	0.4	Y
Mold Machine Repair Shop	Accu-Lube #10 Perfect Tapping Oil	2 bottles	Used	Does not contain hazardous ingredients	0.6	Y
Mold Machine Repair Shop	TAP Magic Cutting Fluid	4, 4 oz; 1, 16 oz	Used	60% (max.)Petroleum Distillate (Aliphatic 90%/Aromatic 10%; CAS #8008-20-6), 40% (max.) methyl laurate (CAS #111-82-0), 10% (max.) essential vegetable oil (CAS #8007-80-5)	0.5-0.6	Y
Mold Machine Repair Shop	GOJO Skin Lotion	5 fl oz	Used	Does not contain hazardous ingredients	0.5	Y
Mold Machine Repair Shop	**Slide "PC" Polish Cleaner Compound**	5, 10 fl oz	Used	50-70% Water, 2-5% Oxalic Acid (CAS #144-62-7), 30-35% Silica (CAS #148-60-7), 2-5% Ammonium Hydroxide (CAS #1336-21-6), **2-5% Isopropanol** (CAS #67-63-0), 2-5% Olecic Acid (CAS #112-80-1)	0.5-0.8	Y
Mold Machine Repair Shop	**Dykem Steel Blue**	3, 8 fl oz	1 New 1 Used	30-60% n-Butyl acetate (CAS #123-86-4), 30-60% Ethanol (CAS #64-17-5), 10-30% n-Butyl alcohol (CAS #71-36-3), 1-5% n-Propyl Acetate (CAS #109-60-4), **1-5% Isopropyl alcohol** (CAS #67-63-0), 3-7% Diacetone alcohol (CAS #123-42-2), 0.1-1% Malachite Green (CAS #2437-29-8)	0.6-1.5	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	**Dykem Staining Color (Dark Blue)**	1, 8 fl oz	Used	30-50% n-Butyl acetate (CAS #123-86-4), 20-50% Ethanol (CAS #64-17-5), 10-20% n-Butyl alcohol (CAS #71-36-3), 1-10% Nitrocellulose (CAS #9004-70-0), 1-10% n-Propyl Acetate (CAS #109-60-4), **1-10% Isopropyl alcohol** (CAS #67-63-0); may contain one or more of the following: 1-5% Diacetone alcohol (CAS #123-42-2), 1-5% C.I. Solvent Red 160 (TSR#489909-5028-P-CH), <1% C.I. Solvent Yellow 42, <1% Malachite Green (CAS #2437-29-8), <1% Methyl violet (CAS #8004-87-3), <1% C.I. Solvent Orange 23, <1% C.I. Solvent Black 13	0.6	Y
Mold Machine Repair Shop	AlumTap Cutting Fluid	1 aluminum container	Used	<80% severely hydrotreated light naphthenic distillate (CAS #64742-53-6), <20% α-olefin (proprietary), <10% fatty trimester (proprietary), <5% fatty monoester (proprietary)	0.5	Y
Mold Machine Repair Shop	Way Oil	1 plastic container	Used	No reportable hazardous or complex substances.	0.5	Y
Mold Machine Repair Shop	Butter Cut	1 plastic container	Used	No reportable hazardous substances.	0.5	Y
Mold Machine Repair Shop	WD-40	2, 18 oz	Used	45-50% Aliphatic Hydrocarbon (CAS #64742-47-8), < 25% Petroleum Based Oil (CAS #64742-58-1/64742-53-6/64742-56-9/64742-65-0), 12-18% LVP Aliphatic Hydrocarbon (CAS #64742-47-8), 2-3% Carbon Dioxide (CAS #124-38-9), < 2% surfactant (proprietary), < 10% non-hazardous ingredients (mixture)	0.5	Y
Mold Machine Repair Shop	**Dykem Remover & Cleaner**	2, 12 oz	Used	**30-60% Acetone** (CAS #67-64-1), 10-30% Ethanol (CAS #64-17-5), 7-13% Butane (CAS #106-97-8), 1-5% n-Propyl acetate (CAS #109-60-4), 1-5% **Isopropyl alcohol** (CAS #67-63-0)	0.5-1.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	Kano SiliKroil	1, 16.5 oz	Used	30-50% severely hydrotreated petroleum distillates (CAS #64742-52-5), 30-50% light petroleum distillates (CAS #64742-95-6/64742-88-7/64742-47-8, 1-5% aliphatic alcohols (CAS #78-92-2/123-42-2), 1-5% glycol ether (CAS #111-76-2), 1-10% Silicone (CAS #63148-62-9), 1-15% Carbon Dioxide Propellant (CAS #124-38-9), 5-15% proprietary ingredients	0.4	Y
Mold Machine Repair Shop	Chesterton 390 Cutting Oil	1, 14.4 fl oz	Used	70-80% hydrotreated heavy naphthenic distillates (CAS #64742-52-5), 5-10% Liquefied, sweetened, petroleum gasses (CAS #68476-86-8)	0.5	Y
Mold Machine Repair Shop	Parker Super O-Lube	1, 2 oz tube	Used	Does not contain hazardous ingredients	0.4	Y
Mold Machine Repair Shop	Stone Oil	1 bottle	Used	100% Petroleum distillates hydrotreated middle (CAS #64742-46-7)	0.5	Y
Mold Machine Repair Shop	**Purell Hand sanitizer**	1, 12 fl oz	Used	62% Ethyl Alcohol (CAS #64-17-5), **<10% Isopropanol** (CAS #67-63-0), <30% purified water, <1% propylene glycol (CAS #57-55-6), <1% isopropyl myristate (CAS #110-27-0)	0.4	Y
Mold Machine Repair Shop	CH Air Tool Oil	2, 8 fl oz	Used	95-99% Hydrotreated Heavy Paraffinic Petroleum Distillates, 1-5% Additives	0.5	Y
Mold Machine Repair Shop	**Windex**	1 spray bottle	Used	60-100% Water, **1-5% Isopropyl alcohol** (CAS #67-63-0), 0.5-1.5% 2-Butoxyethanol (CAS #111-76-2), 0.5-1.5% Ethylene glycol hexyl ether (CAS #112-25-4)	0.6	Y
Mold Machine Repair Shop	Loctite Color Guard	1, 14.5 fl ox	Used	**30-60% Xylenes** (CAS #1330-20-7), **10-30% Acetone** (CAS #67-64-1), **10-30% Methyl ethyl ketone** (CAS #78-93-3), 5-10% Naphtha (CAS #8030-30-6), 5-10% hydrocarbon aliphatic aromatic naphthenic (C9-C12; CAS #64742-88-7), **1-5% n-Hexane** (CAS #110-54-3), 1-5% Titanium dioxide (CAS #13463-67-7), 1-5% Carbon black (CAS #1333-86-4), 1-5% amorphous, fumed, crystal-free Silica (CAS #112945-52-5), 1-5% proprietary filler	0.7	Y
Mold Machine Repair Shop	GOJO Fast wipes	2 tubs, 225 wipes/tub	Used	Alcohol (CAS #64-17-5), Limonene (CAS #5989-27-5)	0.0	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	**Slide On/Cycle Mold Cleaner**	2, 12 oz	Used	30-40% Natural Turpene (CAS #5989-27-5), **25-30% Isopropanol** (CAS #67-63-0), 22-32% Aliphatic hydrocarbon (CAS #64742-48-9), 8-12% Propane (CAS #74-98-6)	0.7-1.2	Y
Mold Machine Repair Shop	Sicomet – D bond	1, 2 fl oz	Used	100% Nitromethane (CAS #75-52-5)	1.2	N
Mold Machine Repair Shop	Lawson Hydraulic Sealant 97642	1, 35 mL	Used	1-3% Cumene hydroperoxide (CAS #80-15-9)	0.6	Y
Mold Machine Repair Shop	Permatex Ultra Copper Gasket Maker	1, 3 oz tube	Used	50-70% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), 20-40% polydimethylsiloxane (CAS #63148-62-9), <10% modified silicon dioxide (CAS #68611-44-9), <7% vinyl oximinosilane (CAS #2224-33-1), <3% iron oxide (CAS #1309-37-1), <3% silica, mica (CAS #12001-26-2), 0.5-2% 2-butanone oxime (CAS #96-29-7)	0.6	Y
Mold Machine Repair Shop	Loctite 545 Thread Sealant	1, 10 mL	Used	30-60% Polyglycoldioctylate (proprietary), 10-30% Polyglycol dimethacrylate (proprietary), 10-30% 2-Hydroxyethyl methacrylate (CAS #868-77-9), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 0.1-1% methacrylic acid (CAS #79-41-4), 0.1-1% Cumene (CAS #98-82-8), 0.1-1% 1-acetyl-2-phenylhydrazine (CAS #114-83-0)	0.6	Y
Mold Machine Repair Shop	Loctite 243 Thread Locker	10 mL	Used	10-30% Polyglycol dimethacrylate (proprietary), 10-30% methacrylate resin (proprietary), 1-5% propane-1,2-diol (CAS #57-55-6), 0.1-1% Cumene hydroperoxide (CAS #80-15-9), 0.1-1% 1-acetyl-2-phenylhydrazine (CAS #114-83-0), 0.1-1% Cumene (CAS #98-82-8)	0.6	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	Loctite 609 Retaining Compound	10 mL	Used	60-100% Polyglycol dimethacrylate (proprietary), 10-30% 2-Hydroxyethyl methacrylate (CAS #868-77-9), 1-5% ethyl methacrylate homopolymer (proprietary), 1-5% Cumene hydroperoxide (CAS #80-15-9), 1-5% saccharin (CAS @81-07-2), 0.1-1% adhesion prometer (proprietary), 0.1-1% Cumene (CAS #98-82-8)	0.6	Y
Mold Maintenance Area	Blue Magic Metal Polish Cream	2, 1.2 lb	Used	25-35% Aluminum oxide (CAS #1344-28-1), 15-25% Kerosene (CAS #8008-20-6), 3-6% Fatty acid (CAS #61790-12-3), 1-5% Ammonium hydroxide (CAS #7664-41-7)	3.1	Y
Mold Maintenance Area	Parker Super O-Lube	3, 2 oz	Used	Does not contain hazardous ingredients	3.1	Y
Mold Maintenance Area	Loctite 545 Thread Sealant	1, 50 mL	Used	30-60% Polyglycoldioctylate (proprietary), 10-30% Polyglycol dimethacrylate (proprietary), 10-30% 2-Hydroxyethyl methacrylate (CAS #868-77-9), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 0.1-1% methacrylic acid (CAS #79-41-4), 0.1-1% Cumene (CAS #98-82-8), 0.1-1% 1-acetyl-2-phenylhydrazine (CAS #114-83-0)	3.1	Y
Mold Maintenance Area	**Slide "PC" Polish Cleaner Compound**	4, 10 fl oz	Used	50-70% Water, 2-5% Oxalic Acid (CAS #144-62-7), 30-35% Silica (CAS #148-60-7), 2-5% Ammonium Hydroxide (CAS #1336-21-6), **2-5% Isopropanol** (CAS #67-63-0), 2-5% Olecic Acid (CAS #112-80-1)	3.1-4.4	Y
Mold Maintenance Area	**Slide White Rhino Rust Preventive**	1, 10 oz can	Used	**50-60% Heptane** (CAS #00142-82-5), 20-30% proprietary rust preventive, 10-20% Propane CAS #74-98-6, 5-10% n-Butane (CAS #106-97-8), 4-8% Isobutane (CAS #75-28-5)	3.1	Y
Mold Maintenance Area	MBB Biodegradable Bulk Mold Cleaner	3 Spray Bottles	Used	100% D-Limonene	4.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Maintenance Area	WD-40	1 Spray Bottle	Used	45-50% Aliphatic Hydrocarbon (CAS #64742-47-8), < 25% Petroleum Based Oil (CAS #64742-58-1/64742-53-6/64742-56-9/64742-65-0), 12-18% LVP Aliphatic Hydrocarbon (CAS #64742-47-8), 2-3% Carbon Dioxide (CAS #124-38-9), < 2% surfactant (proprietary), < 10% non-hazardous ingredients (mixture)	4.3	Y
Mold Maintenance Area	**PHARMCO-AAPER Reagent alcohol 190 proof**	4 Spray Bottles	Used	84% Ethanol (CAS #64-17-5), **4.6% Isopropanol** (CAS #67-63-0), 4.4% Methanol (CAS #67-56-1), 6.9% Water	4.3	Y
Mold Maintenance Area	Loctite 222MS	1, 1 fl oz	Used	30-60% Polyglycol dimethacrylate (proprietary), 30-60% polyglycol oleate (proprietary), 1-5% saccharin (CAS #81-07-2), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 1-5% propane-1,2-diol (CAS #57-55-6), 0.1-1% titanium dioxide (CAS #13463-67-7), 0.1-1% Cumene (CAS #98-82-8)	3.1	Y
Mold Maintenance Area	3-IN-ONE Multi-Purpose Oil	1, 3 fl oz	Used	>97% Severely Hydrotreated Heavy Naphthenic Oil (CAS #64742-52-5), <3% Non-Hazardous Ingredients (mixture), <2% Naphtha, petroleum (CAS #64742-47-8)	3.1	Y
Mold Maintenance Area	Slide Pure Eze Release	1, 11.5 oz	Used	1-7% Aliphatic hydrocarbon (CAS #8042-47-5), 55-65% dimethyl ether (CAS #115-10-6), 30-40% 1,1 Difluoroethane (CAS #75-37-6)	3.1	Y
Mold Maintenance Area	Kano SiliKroil	1, 16.5 oz	Used	30-50% severely hydrotreated petroleum distillates (CAS #64742-52-5), 30-50% light petroleum distillates (CAS #64742-95-6/64742-88-7/64742-47-8, 1-5% aliphatic alcohols (CAS #78-92-2/123-42-2), 1-5% glycol ether (CAS #111-76-2), 1-10% Silicone (CAS #63148-62-9), 1-15% Carbon Dioxide Propellant (CAS #124-38-9), 5-15% proprietary ingredients	3.1	Y
Main Mold Facility (cart)	Speedball 2000 Heavy Duty Cleaner	1 Spray Bottle; 1 Jug	Used	0.1-1.5% Monoethanolamine (CAS #100-51-6), 1-5% Diethylene glycol monoethyl ether (CAS #111-90-0), 0.1-1.5% Benzyl alcohol	1.7	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Main Mold Facility (cart)	Diversey Glance (glass and multi surface cleaner)	1 Spray Bottle; 1 Jug	Used	0.1-1.5% 2-butoxyethanol (CAS #111-76-2)	1.7	Y
Main Mold Facility (cart)	LOOK Glass Cleaner	2 spray bottles	Used	30-60% Water, 30-60% 2-Butoxyethanol (CAS #111-76-2), 5-10% Sodium lauryl sulfate (CAS #151-21-3), 1-5% Sodium xylene sulfonate (CAS #1300-72-7), 1-5% Ammonium hydroxide (CAS #1336-21-6)	1.7	Y
Main Mold Facility (cart)	Hydrogen Peroxide	1, 16 fl oz	Used	Hydrogen Peroxide (CAS #7722-84-1)	1.5	Y
Main Mold Facility (cart)	PPE copper flake anti-seize thread compound	1, 8 oz 1, 16 oz	Used	50-60% Petroleum oil (CAS #64741-96-4), 5-10% Copper powder (CAS #7440-50-8), 1-5% Graphite powder (CAS #7782-42-5), 0.5-4.7% Proprietary components	1.5	N
Main Mold Facility (cart)	Dynatex Silicone Compound	1, 16 oz	Used	25-55% Calcium carbonate CAS#1317-65-3, 10-30% Proprietary non-haz plasticizer, 10-30% Proprietary non-haz polymer, >3% Vinyltrimethoxysilane CAS#2768-02-7, >3% n-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane CAS#1760-24-3	1.5	N
Main Mold Facility (cart)	Slide Pure Eze Release	1, 11.5 oz	Used	1-7% Aliphatic hydrocarbon (CAS #8042-47-5), 55-65% dimethyl ether (CAS #115-10-6), 30-40% 1,1 Difluoroethane (CAS #75-37-6)	0.8	Y
Main Mold Facility (cart)	Stoner Foaming Xenit Cleaner	1, 13 oz	Used	Water, Hydrocarbon propellant (CAS #68-476-86-8), NJ Trade Secret Registry component (#80100382-5094P)	0.8	Y
Main Mold Facility (cart)	Blue Magic metal polish cream	2, ~3.5 oz	Used	25-35% Aluminum oxide (CAS #1344-28-1), 15-25% Kerosene (CAS #8008-20-6), 3-6% Fatty acid (CAS #61790-12-3), 1-5% Ammonium hydroxide (CAS #7664-41-7)	0.8-1.5	Y
Main Mold Facility (cart)	Propane	3 torches	Used	Propane (CAS #74-98-6)	0.8-1.5	N
Main Mold Facility (cart)	**PHARMCO-AAPER Reagent alcohol 190 proof**	2 Spray Bottles	Used	84% Ethanol (CAS #64-17-5), **4.6% Isopropanol** (CAS #67-63-0), 4.4% Methanol (CAS #67-56-1), 6.9% Water	0.8-1.5	Y
Main Mold Facility (cart)	MBB Biodegradable Bulk Mold Cleaner	2 Spray Bottles	Used	100% D-Limonene	0.8-1.5	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Kitting/Cable Assembly Rooms	**Isopropyl Alcohol**	5 containers (var. size)	Used	**Isopropyl Alcohol** (CAS #67-63-0)	0.6	Y
Kitting/Cable Assembly Rooms	**Acetone**	1 amber	Used	**Acetone** (CAS #67-64-1)	0.6	Y
Kitting/Cable Assembly Rooms	Kester 1544 Rosin Soldering Flux	1, 1 gal	Used	40-50% Rosin (CAS #8050-09-7), 20-25% sec-butanol (CAS #78-92-2), 15-20% ethanol (CAS #64-17-5), 1-2.5% isopropanol (CAS #67-63-0), 1-2.5% methanol (CAS #67-56-1)	0.6	Y
Kitting/Cable Assembly Rooms	Kester 5521 Flux	1 container	Used	10-25% Glycolic acid (CAS #79-14-1), 10-25% Ammonium chloride (CAS #12125-02-9), 2.5-10% Phosphonic acid (CAS #6419-19-8), 2.5-10% Diammonium peroxodisulphate (CAS #7727-54-0), $\leq$2.5% Methoxyacetic acid (CAS #625-45-6)	0.6	Y
Kitting/Cable Assembly Rooms	Indalloy Flux (Flux # 2)	1, 1 pint	Used	40-65% Phosphoric Acid (CAS #7664-38-2), 20% water, 15-40% non-hazardous additives	0.6	Y
Kitting/Cable Assembly Rooms	Loctite 242	2, ~1 oz	Used	60-100% Polyglycol dimethacrylate (proprietary), 10-30% polyglycol oleate (proprietary), 1-5% saccharin (CAS #81-07-2), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 1-5% propane-1,2-diol (CAS #57-55-6), 0.1-1% Cumene (CAS #98-82-8)	0.6	Y
Kitting/Cable Assembly Rooms	LOOK Glass Cleaner	1 spray bottle	Used	30-60% Water, 30-60% 2-Butoxyethanol (CAS #111-76-2), 5-10% Sodium lauryl sulfate (CAS #151-21-3), 1-5% Sodium xylene sulfonate (CAS #1300-72-7), 1-5% Ammonium hydroxide (CAS #1336-21-6)	0.6	Y
Kitting/Cable Assembly Rooms	Speedball 2000 Heavy Duty Cleaner	1 spray bottle	Used	0.1-1.5% Monoethanolamine (CAS #100-51-6), 1-5% Diethylene glycol monoethyl ether (CAS #111-90-0), 0.1-1.5% Benzyl alcohol	0.6	Y
Molding Storage/Wire Assembly	Silcopas Colorant	3 buckets, 7 lbs ea.	2 New, 1 Used	85-90% Vinyl terminated polydimethylsiloxane (CAS #68083-19-2), 5-10% Strontrium Salt (CAS #250640-08-5), 0-5% Amorphous silica treated (CAS #68611-44-9)	1.4	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding Storage/Wire Assembly	Momentive Pail Kit Part A	2 buckets, 80 lbs	Used	30-60% Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated (CAS #68083-18-1), 30-60% polyvinylsiloxane (CAS #68083-19-2), 10-30% treated silica (CAS #68937-51-9)	1.4	Y
Molding Storage/Wire Assembly	Propane	1 torch	Used	Propane (CAS #74-98-6)	0.3	Y
Molding Storage/Wire Assembly	**Prosat Presaturated Wipes (PS-850)**	2 pouches (50 wipes/pouch)	1 New, 1 Used	**70% Isopropyl Alcohol** (CAS #67-63-0), 30% Water	0.3	Y
Molding Storage/Wire Assembly	Slide Pure Eze Release	2, 11.5 oz	Used	1-7% Aliphatic hydrocarbon (CAS #8042-47-5), 55-65% dimethyl ether (CAS #115-10-6), 30-40% 1,1 Difluoroethane (CAS #75-37-6)	0.3	Y
Molding Storage/Wire Assembly	PPE copper flake anti-seize thread compound	1, 8-16 oz	Used	50-60% Petroleum oil (CAS #64741-96-4), 5-10% Copper powder (CAS #7440-50-8), 1-5% Graphite powder (CAS #7782-42-5), 0.5-4.7% Proprietary components	0.3	Y
Molding Storage/Wire Assembly	Kester 1544 Rosin Soldering Flux	1 container	Used	40-50% Rosin (CAS #8050-09-7), 20-25% sec-butanol (CAS #78-92-2), 15-20% ethanol (CAS #64-17-5), 1-2.5% isopropanol (CAS #67-63-0), 1-2.5% methanol (CAS #67-56-1)	0.3	Y
Molding Storage/Wire Assembly	Kester 5521 Flux	1 container	Used	10-25% Glycolic acid (CAS #79-14-1), 10-25% Ammonium chloride (CAS #12125-02-9), 2.5-10% Phosphonic acid (CAS #6419-19-8), 2.5-10% Diammonium peroxodisulphate (CAS #7727-54-0), ≤2.5% Methoxyacetic acid (CAS #625-45-6)	0.3	Y
Molding Storage/Wire Assembly	**Isopropyl Alcohol**	2 Squirt bottles	Used	**Isopropyl Alcohol** (CAS #67-63-0)	0.3	Y
Molding/Cable Wire Raw Material Storage	**Dust-Off Anti-Static Monitor Wipes**	80 wipes	Used	**1% Isopropyl Alcohol** (CAS #67-63-0)	0.7	Y
Molding/Cable Wire Raw Material Storage	**Purell Hand Sanitizer**	1, 800 mL	New	62% Ethyl Alcohol (CAS #64-17-5), **<10% Isopropanol** (CAS #67-63-0), <30% purified water, <1% propylene glycol (CAS #57-55-6), <1% isopropyl myristate (CAS #110-27-0)	0.7	Y
Molding/Cable Wire Raw Material Storage	CliniShield Moisturizing Lotion	1 Bottle	Used	1,2,3-propanetriol (CAS #56-81-5)	0.7	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding/Cable Wire Raw Material Storage	Marabu 954 Tampastar TPR Medium Blue	1, 1 L	New	10-40% 4-hydroxy-4-methyl-2-pentanone (CAS #123-42-2), 1-15% 2-butoxyethyl acetate (CAS #112-07-2), 1-15% aromatic hydrocarbons (C9-C10, contains: 45% Trimethylbenzene (CAS #25551-13-7)), 1-10% cyclohexanone (CAS #108-94-1), 1-10% butylglycolate (CAS #7397-62-8), 1-5% 3-methoxy-n-butylacetate (CAS #4435-53-4)	0.7	Y
Molding/Cable Wire Raw Material Storage	Marabu TPV Diluant Thinner	3, 1 L	2 New, 1 Used	95% 2-methoxy-1-methyethyl acetate (CAS #108-65-6)	0.7	Y
Molding/Cable Wire Raw Material Storage	**ITW TransTech Ink Type P**	21 cans	New	10-25% Cyclohexanone (CAS #108-94-1), 5-10% 2-butoxyethyl acetate (CAS #112-07-2), 5-10% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), 5-10% solvent naphtha light aromatic petroleum (CAS #64742-95-6), **1-2.5% 1,2,4-trimethylbenzene** (CAS #95-63-6), **<1% mesitylene** (CAS #108-67-8), <1% cumene (CAS #98-82-8)	0.6-0.8	Y
Molding/Cable Wire Raw Material Storage	**ITW TransTech Ink Type B**	7 cans	New	25-40% 4,4'-isopropylidenediphenol (oligomeric reaction products with 1-choro-2,3-epoxypropane; CAS #25068-38-6), 10-25% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), 5-10% Cyclohexanone (CAS #108-94-1), 10-25% 2-butoxyethyl acetate (CAS #112-07-2), 2.5-5% solvent naphtha heavy aromatic petroleum (CAS #64742-94-5), **2.5-5% Xylene** (CAS #1330-20-7), **<1% 1,2,4-trimethylbenzene** (CAS #95-63-6)	0.6-0.8	Y
Molding/Cable Wire Raw Material Storage	ITW TransTech Ink Type PG	7 cans	New	10-25% butyl glycollate (CAS #7397-62-8), 5-10% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), 10-25% Cyclohexanone (CAS #108-94-1), 5-10% n-Butyl acetate (CAS #123-86-4), 5-10% 4-hydroxy-4-methylpentan-2-one (CAS #123-42-2), <1% naphtha heavy aromatic petroleum (CAS #64742-94-5), <1% quaternary ammonium compounds (CAS #68308-64-5), <1% (R)-p-mentha-1, 8-diene (CAS #5989-27-5)	0.6-0.8	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding/Cable Wire Raw Material Storage	**ITW TransTech Ink Type 434**	1 can	New	10-25% solvent naphtha light aromatic petroleum (CAS #64742-95-6), 10-25% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), **5-10% Xylene** (CAS #1330-20-7), 2.5-5% Hydrocarbons (CAS #1174921-79-9), **1-2.5% Ethylbenzene** (CAS #100-41-4), **<1% Chlorobenzene** (CAS #108-90-7), <1% Fatty acids (CAS #222716-38-3), **<1% Toluene** (CAS #108-88-3)	0.6-0.8	Y
Molding/Cable Wire Raw Material Storage	**Transtech Thinner VD**	2, 1 gallon	New	20-30% Light aromatic naphtha (CAS #64742-95-6), 25-35% Cyclohexanone (CAS #108-94-1), 10-20% n-Butyl acetate (CAS #123-86-4), 5-15% 1-Methoxy-2-Propanolacetate (CAS #108-65-6), **10-20% 1,2,4-Trimethlybenzene** (CAS #95-63-6), **0-5% Xylenes** (CAS #1330-20-7)	0.6	Y
Molding/Cable Wire Raw Material Storage	**Transtech Thinner B**	2, 1 gallon	Used	55-65% n-Butyl acetate (CAS #123-86-4), 5-15% Cyclohexanone (CAS #108-94-1), 5-15% 1-Methoxy-2-Propanolacetate (CAS #108-65-6), **5-15% Xylenes** (CAS #1330-20-7), **0-5% Ethylbenzene** (CAS #100-41-4)	0.6	Y
Molding/Cable Wire Raw Material Storage	**Engineered Printing Solutions Ink**	1 Can	New	17-23% 2-butoxyethyl acetate (CAS #112-07-2), 10-30% 1-methoxy-2-propanol acetate (CAS #108-65-6), 10-25% bisphenol A/Epichlorhydrin based epoxy resin (CAS #25068-38-6), 5-15% cyclohexanone (CAS #108-94-1), 2.5-5% aromatic solvent hydrocarbon (CAS #64742-94-5), **2.5-5% Xylene** (CAS #1330-20-7)	0.6	Y
Warehouse Area J: QA Hold Location	**Loctite 7701**	6, 1.75 fl oz	1 New, 5 Used	**60-100% n-Heptane** (CAS #142-82-5)	0.1	Y
Warehouse Area J: QA Hold Location	Loctite 495	8, 1 fl oz	3 New, 5 Used	60-100% Ethyl 2-cyanoacrylate (CAS #7085-85-0), 1-5% [proprietary] thickener	0.1	Y
Warehouse Area J: QA Hold Location	Loctite 4011	7, 0.70 fl oz	4 New, 3 Used	60-100% Ethyl 2-cyanoacrylate (CAS #7085-85-0), 5-10% [proprietary] thickener	0.1	Y
Warehouse Area J: QA Hold Location	Loctite 4014	2, 1 fl oz	Used	60-100% Ethyl 2-cyanoacrylate (CAS #7085-85-0)	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Warehouse Area J: QA Hold Location	Loctite 401	6, 1 fl oz	New	60-100% Ethyl 2-cyanoacrylate (CAS #7085-85-0), 5-10% [proprietary] thickener	0.1	Y
Warehouse Area J: QA Hold Location	Dymax 128A-M-VT (Medical Device Adhesives & Coatings)	1, 1 L Jar	New	30-60% Isobornyl Acrylate (CAS #5888-33-5), 10-30% 2-hydroxyethyl methacrylate (CAS #868-77-9), 1-5% Acrylic acid (CAS #79-10-7), 1-5% proprietary organic acid	0.1	Y
Warehouse Area J: QA Hold Location	Aplicare Povidone-Iodine Swabsticks	387	New	No MSDS available. Active ingredient: 10% povidone-iodine USP	0.1	N
Warehouse Area J	Aplicare Povidone-Iodine Ointment	2000, 1 g packets	New	No MSDS available. Active ingredient: 10% povidone-iodine USP	0.1	Y
Warehouse Area J	Aplicare Povidone-Iodine Swabsticks	1 Full Box, 1 Opened Box (500 ea.)	New	No MSDS available. Active ingredient: 10% povidone-iodine USP	0.1	Y
Warehouse Area J	**Aplicare Alcohol Swabsticks**	1 Open Box (1000 ea.)	New	**70% Isopropyl Alcohol** (CAS #67-63-0), **10% Acetone** (CAS #67-64-1)	0.1	Y
Warehouse Area J	Novagard RTV Adhesive (400-155)	19, 30 g syringes	New	0-15% amorphous silica (CAS #68611-44-9), 0-5% methyl oximino silane (CAS #22984-54-9), 0-4% vinyl oximino silane (CAS #2224-33-1), 0-2% aminopropyltriethoxysilane (CAS #919-30-2)	0.2	Y
Warehouse Area J	Loctite 3106	1, 1 L	New	30-60% acrylate monomer (proprietary), 10-30% N,N-dimethylacrylaminde (CAS #2680-03-7), 1-5% substituted silane (proprietary), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 0.1-1% acrylate (proprietary)	0.0	Y
Warehouse Area J	**Prosat Presaturated Wipes (PS-850)**	1 pouch (50 wipes/pouch)	Used	**70% Isopropyl Alcohol** (CAS #67-63-0), 30% Water	0.0	Y
Warehouse Area J	**Schwartz 'Rez-N-Bond' 1**	5, 3.78 L	New	**60-100% Methylene Chloride** (CAS #75-09-2)	0.0	Y
Warehouse Area J	**Chloraprep Triple Swabstick Applicators**	5, Boxes (700 ea.)	New	**70% Isopropyl Alcohol** (CAS #67-63-0), 2% chlorhexidine digluconate (CAS #18472-51-0)	0.0	N
Warehouse Area J	**Purell Hand Sanitizer**	1, 12 fl oz; 1 Dispenser	Used	62% Ethyl Alcohol (CAS #64-17-5), **<10% Isopropanol** (CAS #67-63-0), <30% purified water, <1% propylene glycol (CAS #57-55-6), <1% isopropyl myristate (CAS #110-27-0)	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Warehouse Area J	Dymax 1-20280 (Medical Device Adhesive & Coatings)	2, 1 L	New	10-30% isobornyl acrylate (CAS #5888-33-5), 10-30% N-vinyl caprolactam (proprietary), 5-10% 2-hydroxyethyl methacrylate (CAS #868-77-9), 1-5% N,N-dimethylacrylamide (CAS #2680-03-7), 1-5% [proprietary] photoinitiator, 1-5% [proprietary] acrylated PEG, 1-5% [proprietary] methyl acrylamide monomer, 1-5% [proprietary] silane coupling agent, 1-5% acrylic acid (CAS #79-10-7)	0.1	Y
Warehouse Area J	Loctite 3051	7, 1 L	3 New, 4 Used	30-60% isobornyl acrylate (CAS #5888-33-5), 10-30% polyurethane methacrylate resin (unknown), 10-30% 2-hydroxyethyl methacrylate (CAS #868-77-9), 5-10% high boiling methacrylate (proprietary), 1-5% acrylic acid (CAS #79-10-7), 1-5% hydroxyalkyl methacrylate (CAS #27813-02-1), 1-5% hydroxyalkyl methacrylate (CAS #27813-02-1) substituted silane (proprietary), 0.1-1% adhesion promoter (proprietary)	0.1	Y
Warehouse Area J	Loctite 3341	2, 1 L	New	30-60% urethane acrylate oligomer, 10-30% N,N-dimethylacrylaminde (CAS #2680-03-7), 10-30% actylate ester (proprietary), 10-30% urethane acrylate oligomer, 5-10% acrylate monomer (proprietary), 1-5% diphenyl-2,4,6-trimethylbenzoyl phosphine oxide (CAS #75980-60-8), 1-5% acrylate ester (CAS #7328-17-8), 0.1-1% 2-hydroxyethyl acrylate (CAS #818-61-1)	0.1	Y
Warehouse Area J	Loctite 680	5, 1.69 fl oz	New	30-60% dimethacrylate ester (proprietary), 30-60% hydroxyalkyl methacrylate (CAS #27813-02-1), 1-5% cumene hydroperoxide (CAS #80-15-9), 1-5% polyglycol dimethacrylate (proprietary), 0.1-1% methacrylic acid (CAS #79-41-4), 0.1-1% 1-actyl-2-phenylhydrazine (CAS #114-83-0), 0.1-1% cumene (CAS #98-82-8)	0.1	Y
Warehouse Area J	DOW Corning 7 Release Compound	5, 3.6 kg buckets	New	Does not contain hazardous ingredients	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Warehouse Area J	Timberwolf Waterless Hand Cleaner	128 fl oz	Used	Does not contain hazardous ingredients	0.1	Y
Warehouse Area J	**EXPO dry erase board cleaner**	2, 8 fl oz	1 New, 1 Used	Water, **Isopropyl Alcohol (**CAS #67-63-0), Ethylene Glycol Monobutyl Ether (CAS #111-76-2)	0.1	Y
Warehouse Area J	Branson IS Formulated Cleaning Concentrate	3, 1 quart jars	2 New, 1 Used	<7% 2-Butoxyethanol (CAS #111-76-2), <7% Sodium Metasilicate (CAS #6834-92-0)	0.1	Y
Molding Offices	**Windex**	1 Spray Bottle	Used	60-100% Water, **1-5% Isopropyl alcohol** (CAS #67-63-0), 0.5-1.5% 2-Butoxyethanol (CAS #111-76-2), 0.5-1.5% Ethylene glycol hexyl ether (CAS #112-25-4)	0.0	Y

Bold indicates a product containing one or more compounds analyzed in the VI samples.

Appendix D. Product Inventory Form – March 25, 2015

Make and Model of field instrument used:

MiniRAE Photo Ionization Detector

List specific product found in the residence or area that have the potential to affect indoor air quality (e.g., gasoline or kerosene storage cans, glues, paints, cleaning solvents/products, polishes/waxes, new furniture/carpet, nail polish/hairspray/cologne).

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding Facility	LOOK Glass Cleaner	2 spray bottles (750 mL)	Used	30-60% Water, 30-60% 2-Butoxyethanol (CAS #111-76-2), 5-10% Sodium lauryl sulfate (CAS #151-21-3), 1-5% Sodium xylene sulfonate (CAS #1300-72-7), 1-5% Ammonium hydroxide (CAS #1336-21-6)	0.1-0.3	Y
Molding Facility	Speedball 2000 Heavy Duty Cleaner	2 spray bottles (750 mL)	Used	0.1-1.5% Monoethanolamine (CAS #100-51-6), 1-5% Diethylene glycol monoethyl ether (CAS #111-90-0), 0.1-1.5% Benzyl alcohol	0.1-0.3	Y
Molding Facility	GOJO Natural Orange Pumice Hand Cleaner	1, 64 fl oz	Used	<10% Petroleum Distillates (vapor; CAS #64742-47-8)	0.1	Y
Molding Facility	ProLink Baseboard Stripper	1, 19 oz	Used	20-30% 2-Butoxyethanol (CAS #111-76-2), 10-20% liquefied petroleum gas mixture [propane (CAS #74-98-6) and n-Butane (CAS #106-97-8)], 1-5 % Tetrasodium EDTA (CAS #64-02-8), 1-5% Organic phosphate ester (CAS #68412-53-3)	0.1	Y
Mold Storage (Cabinet #2)	**Slide On/Cycle Mold Cleaner**	7, 12 oz can	6 New, 1 Used	30-40% Natural Turpene (CAS #5989-27-5), **25-30% Isopropanol** (CAS #67-63-0), 22-32% Aliphatic hydrocarbon (CAS #64742-48-9), 8-12% Propane (CAS #74-98-6)	1.4	Y
Mold Storage (Cabinet #2)	**Slide White Rhino Rust Preventive**	3, 10 oz can	New	**50-60% Heptane** (CAS #00142-82-5), 20-30% proprietary rust preventive, 10-20% Propane CAS #74-98-6, 5-10% n-Butane (CAS #106-97-8), 4-8% Isobutane (CAS #75-28-5)	1.4	Y
Mold Storage (Cabinet #2)	**Slide "PC" Polish Cleaner Compound**	3, 10 fl oz	Used	50-70% Water, 2-5% Oxalic Acid (CAS #144-62-7), 30-35% Silica (CAS #148-60-7), 2-5% Ammonium Hydroxide (CAS #1336-21-6), **2-5% Isopropanol** (CAS #67-63-0), 2-5% Olecic Acid (CAS #112-80-1)	1.2	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	**Dykem Steel Blue**	1, 8 fl oz	Used	30-60% n-Butyl acetate (CAS #123-86-4), 30-60% Ethanol (CAS #64-17-5), 10-30% n-Butyl alcohol (CAS #71-36-3), 1-5% n-Propyl Acetate (CAS #109-60-4), **1-5% Isopropyl alcohol** (CAS #67-63-0), 3-7% Diacetone alcohol (CAS #123-42-2), 0.1-1% Malachite Green (CAS #2437-29-8)	1.4	Y
Mold Storage (Cabinet #2)	**Dykem Remover & Cleaner**	2, 12 oz	Used	**30-60% Acetone** (CAS #67-64-1), 10-30% Ethanol (CAS #64-17-5), 7-13% Butane (CAS #106-97-8), 1-5% n-Propyl acetate (CAS #109-60-4), 1-5% **Isopropyl alcohol** (CAS #67-63-0)	1.4	Y
Mold Storage (Cabinet #2)	Tempco High Temp Grease	1, 4 oz	Used	80-90% base fluid (CAS #68649-12-7), 1-5% Teflon (CAS #9002-84-0), 5-10% Fumed silica (CAS #68611-44-9)	1.4	Y
Mold Storage (Cabinet #2)	**Rust-oleum 2X Ultra Cover Paint + Primer**	1, 12 oz	New	**<40% Acetone** (CAS #67-64-1), <30% Liquefied petroleum gas (CAS #68476-86-8), <10% light petroleum hydrotreated naphtha (CAS #64742-49-0), **<10% Xylene** (CAS #1330-20-7), <5% Titanium Dioxide (CAS #13463-67-7), **<5% Ethylbenzene** (CAS #100-41-4), <5% light aromatic solvent naphtha (CAS #64742-95-6), **<5% 1,2,4-Trimethylbenzene** (CAS #1333-86-4)	1.4	Y
Mold Storage (Cabinet #2)	**Rust-oleum High Heat**	1, 12 oz	New	**<45% Acetone** (CAS #67-64-1), <25% Liquefied petroleum gas (CAS #68476-86-8), **<15% Xylene** (CAS #1330-20-7), **<5% Ethylbenzene** (CAS #100-41-4), <5% proprietary pigment, <5% Talc (CAS #14807-96-6), <5% Copper Chromite Black (CAS #68186-91-4), <5% light aromatic solvent naphtha (CAS #64742-95-6), **<5% 1,2,4-Trimethylbenzene** (CAS #1333-86-4), <1% Carbon Black (CAS #1333-86-4)	1.4	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	**Rust-oleum gloss protective enamel**	3, 12 oz	1 New, 2 Used	**<30% Acetone** (CAS #67-64-1), <25% Liquefied petroleum gas (CAS #68476-86-8), **<10% Xylene** (CAS #1330-20-7), <10% n-Butyl acetate (CAS #123-86-4), **<5% Ethylbenzene** (CAS #100-41-4), <5% Propylene glycol monobutyl ether (CAS #5131-66-8)	1.4	Y
Mold Storage (Cabinet #2)	Slide Silicone Remover Concentrate	1, 16 fl oz	Used	Does not contain hazardous ingredients.	1.4	Y
Mold Storage (Cabinet #2)	**Loctite Naval Jelly Rust Dissolver**	1, 8 oz	Used	10-30% Phosphoric acid (CAS #7664-38-2), **1-5% Isopropyl alcohol** (CAS# 67-63-0), 1-5% Xanthan gum (CAS #11138-66-2), 0.1-1% Sulfiric acid (CAS #7664-93-9), 0.1-1% Silica (CAS #112945-52-5), 0.1-1% Diiron trioxide (CAS #1309-37-1), 0.1-1% Magnesium Oxide (CAS #1309-48-4), 0.1-1% Aluminum Oxide (CAS #1344-28-1)	1.4	Y
Mold Storage (Cabinet #2)	Master Appliance Ultratane Butane Fuel	1, 12 oz spray	Used	Isobutane (CAS #75-28-5), Propane (CAS #74-98-6), Butane (CAS #106-97-8)	1.4	Y
Mold Storage (Cabinet #2)	Gesswein Stoning Oil	1 bottle	Used	100% Petroleum distillates hydrotreated middle (CAS #64742-46-7)	1.4	Y
Mold Storage (Cabinet #2)	Kester 1544 Rosin Soldering Flux	1 bottle	Used	40-50% Rosin (CAS #8050-09-7), 20-25% sec-butanol (CAS #78-92-2), 15-20% ethanol (CAS #64-17-5), 1-2.5% isopropanol (CAS #67-63-0), 1-2.5% methanol (CAS #67-56-1)	1.4	Y
Mold Storage (Cabinet #2)	Kano ExRust	1, 12 oz	Used	40-70% Inert non-hazardous ingredient (CA S#7732-18-5), 20-40% Phosphoric acid (CAS #7664-38-2), 5-10% Glycol ether (CAS #111-76-2), 1-5% Triethanolamine (CAS #102-71-6), 1-5% Tetrasodium pyrophosphate (CAS #7722-88-5), 1-5% Proprietary surfactant	1.4	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	**Kano Georope**	1, 12 oz	Used	30-60% severely hydrotreated naphthenic oil (CAS #64742-52-5), 10-30% propane/isobutene/n-butane (CAS #68476-86-8), 3-7% hydrotreated heavy naphthenic (CAS #64742-01-4), **1-5% isopropyl alcohol** (CAS #67-63-0), 1-5% n-butyl alcohol (CAS #71-36-3), 1-5% graphite (CAS #7782-42-5)	1.4	Y
Mold Storage (Cabinet #2)	**Gasoila Thread Sealant Soft-Set with PTFE**	2, ¼ pint	New	48-59% Talc (CAS #14807-96-6), **5-12% Isopropyl Alcohol** (CAS #67-63-0), 5-10% Ethylene Glycol Butyl Ether (CAS #111-76-2), 1-6% Titanium Dioxide (CAS #13463-67-7), 0.5-2% Polytetrafluorethylene (CAS #9002-84-0)	1.4	Y
Mold Storage (Cabinet #2)	Permatex Ultra Copper Gasket Maker	1, 3 oz tube	Used	50-70% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), 20-40% polydimethylsiloxane (CAS #63148-62-9), <10% modified silicon dioxide (CAS #68611-44-9), <7% vinyl oximinosilane (CAS #2224-33-1), <3% iron oxide (CAS #1309-37-1), <3% silica, mica (CAS #12001-26-2), 0.5-2% 2-butanone oxime (CAS #96-29-7)	1.4	Y
Mold Storage (Cabinet #2)	FasSeal-ATS, Anaerobic thread sealant	2, 50 mL	Used	40-60% Methacrylate ester (CAS #109-17-1), 20-30% Polymeric plasticizer (CAS #25103-87-1), 10-20% Cellulose ester (CAS #9004-38-8), 1-10% Polytetrafluoroethylene (CAS #9002-84-0), 1-3% Cumene hydroperoxide (CAS #80-15-9), 1-5% Titanium dioxide (CAS #13463-67-7), 1-3% Saccharin (CAS #80-07-2)	1.4	Y
Mold Storage (Cabinet #2)	Parker Super O-Lube	3, 2 oz tubes	New	Does not contain hazardous ingredients.	1.4	Y
Mold Storage (Cabinet #2)	LPS premium nickel anti-seize	1, 1 lb	Used	30-60% Petroleum oil (CAS #64742-52-5), 20-30% Nickel (metallic) (CAS #7440-02-0), 10-30% Residual oils (CAS #64742-57-0)	1.4	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	Dynatex Silicone Compound	1, 16 oz	Used	25-55% Calcium carbonate CAS#1317-65-3, 10-30% Proprietary non-haz plasticizer, 10-30% Proprietary non-haz polymer, >3% Vinyltrimethoxysilane CAS#2768-02-7, >3% n-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane CAS#1760-24-3	1.4	Y
Mold Storage (Cabinet #2)	Lubriplate No. 1242	14.5 oz	1 used	55-60% Heavy hydrotreated naphthenic distillates (petroleum) (CAS #64742-52-5), 10-15% Residual oils (petroleum), solvent dewaxed (CAS #64742-62-7), 10-15% Polybutene (CAS #9003-29-6), 5-10% Lithium hydroxystearate (CAS #7620-77-1), 0-5% Zinc oxide (CAS #1314-13-2), 0-5% Proprietary additive package	1.2-1.4	Y
Mold Storage (Cabinet #2)	Old Bull Mold Grease	1, 8 lb bucket	Used	70-90% Decene homopolymer (CAS #68037-01-4), 5-25% Organophillic clay (CAS #68953-58-2), 0.1-10% Polytetrafluoroethylene (CAS #9002-84-0), 0.1-10% Methylene bis dithiocarbonate (CAS #10254-57-6), 0.1-10% Zinc oxide (CAS #1314-13-2)	1.2-1.4	Y
Mold Storage (Cabinet #2)	Slide Bulk Super Grease 43900	1, 35 lbs	Used	80-90% Base Fluid (CAS #68649-12-7), 1-5% Teflon (CAS #9002-84-0), 5-10% Fumed Silica (CAS #68611-44-9)	1.2-1.4	N
Mold Storage (Cabinet #2)	Tri-Cool MD-1	1, 1 gallon	Used	Does not contain hazardous ingredients (vegetable oil based lubricant).	1.2-1.4	Y
Mold Storage (Cabinet #2)	Klean Strip Odorless Mineral Spirits	1, 1 gallon	Used	100% hydrotreated light petroleum distillate (CAS #64742-47-8)	1.2-1.4	Y
Mold Storage (Cabinet #2)	Premium Grease EP NLGI 2	1, 14 oz	Used	70-99% Highly refined mineral oil (mixture: C15-C50), 1-5% Zinc dialkyldithiophosphate (CAS #68649-42-3)	1.2-1.4	Y
Mold Storage (Cabinet #2)	Mobil Vactra Oil No.2	2, 1 gal jugs	2 New	No reportable hazardous or complex substances.	1.2-1.4	Y
Mold Storage (Cabinet #2)	**Isopropyl Alcohol**	1 bottle; 1, 10 gallon tank	Used	**Isopropyl Alcohol** (CAS #67-63-0)	1.4	Y
Mold Storage (Cabinet #2)	**Acetone**	1 bottle; 1, 5 gallon	Used	**Acetone** (CAS #67-64-1)	1.2-1.4	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cabinet #2)	MBB Biodegradable Bulk Mold Cleaner	2, 5 gallon	1 New, 1 Used	100% D-Limonene	1.2-1.4	Y
Mold Storage (Cabinet #2)	WD-40	1, 5 gallon	New	45-50% Aliphatic Hydrocarbon (CAS #64742-47-8), < 25% Petroleum Based Oil (CAS #64742-58-1/64742-53-6/64742-56-9/64742-65-0), 12-18% LVP Aliphatic Hydrocarbon (CAS #64742-47-8), 2-3% Carbon Dioxide (CAS #124-38-9), < 2% surfactant (proprietary), < 10% non-hazardous ingredients (mixture)	1.2-1.4	Y
Mold Storage (Cabinet #2)	PHARMCO-AAPER Reagent alcohol 190 proof	1, 5 gallon	Used	84% Ethanol (CAS #64-17-5), **4.6% Isopropanol** (CAS #67-63-0), 4.4% Methanol (CAS #67-56-1), 6.9% Water	1.2-1.4	Y
Mold Storage (Cabinet #3)	Sta-Lube Air Tool Oil	1, 15 fl oz	Used	93-97% hydrotreated light naphthenic distillates (CAS #64742-53-6), 1-5% solvent-refined heavy naphthenic distillates (CAS #64741-96-4), Zinc dithiophosphate di-C1-14-aklyl esters (CAS #68649-42-3)	0.8	Y
Mold Storage (Cart)	**Slide White Rhino Rust Preventive**	1, 10 oz can	Used	**50-60% Heptane** (CAS #00142-82-5), 20-30% proprietary rust preventive, 10-20% Propane CAS #74-98-6, 5-10% n-Butane (CAS #106-97-8), 4-8% Isobutane (CAS #75-28-5)	0.8	Y
Mold Storage (Cart)	3-IN-ONE Multi-Purpose Oil	1, 3 fl oz	Used	>97% Severely Hydrotreated Heavy Naphthenic Oil (CAS #64742-52-5), <3% Non-Hazardous Ingredients (mixture), <2% Naphtha, petroleum (CAS #64742-47-8)	0.8	Y
Mold Storage (Cart)	SafeKote Heat Transfer & Anti-Seize Compound	1, 12 oz	Used	40-50% copper (as dust or fumes; CAS # 7440-50-8), 40-50% non-hazardous ingredients	0.8	Y
Mold Storage (Cart)	Permatex Ultra Copper Gasket Maker	2, 3 oz tube	1 New, 1 Used	50-70% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), 20-40% polydimethylsiloxane (CAS #63148-62-9), <10% modified silicon dioxide (CAS #68611-44-9), <7% vinyl oximinosilane (CAS #2224-33-1), <3% iron oxide (CAS #1309-37-1), <3% silica, mica (CAS #12001-26-2), 0.5-2% 2-butanone oxime (CAS #96-29-7)	0.8	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cart)	PPE White PTFE Thread Sealant Paste (Part No. TS-5)	1, 4.5 oz	1, Used	10-30% synthetic oil (NJTSRN 80100362-5008P), 10-30% proprietary (NJTSRN 80100362-5138P), 10-30% proprietary (NJTSRN 80100362-5013P), 10-30% proprietary (NJTSRN 80100362-5012P), 1-10% proprietary (NJTSRN 80100362-5142P), 1-10% Polytetrafluorethylene (CAS #9002-84-0), 1-10% titanium dioxide (NJTSRN 80100362-5128P), 1-10% proprietary (NJTSRN 80100362-5044P), 1-10% proprietary (NJTSRN 80100362-5004P), 1-10% proprietary (NJTSRN 80100362-5066P), <1% proprietary (NJTSRN 80100362-5014P), <1% proprietary (NJTSRN 80100362-5009P), <1% synthetic oil (NJTSRN 80100362-5018P)	0.8	Y
Mold Storage (Cart)	Chesterton 690 FG Lubricant	1, 14 oz can	Used	5-10% petroleum gases, liquefied, sweetened (CAS #68476-86-8), 85-95% white mineral oil (CAS #8042-47-5)	0.8	Y
Mold Storage (Cart)	Lubriplate 1200-2 Multi-Purpose Grease	1, 14.5 oz can	Used	40-45% Residual oils (petroleum, solvent dewaxed; CAS #64742-62-7), 35-40% Heavy hydrotreated naphthenic distillates (CAS #64742-52-5), 5-10% Zinc oxide (CAS #1314-13-2), 5-10% 12 hydroxy stearic acid (CAS #106-14-9), 0-2% Antimony 0,0-diprophylphosphorodithionate (CAS #15874-48-3), 0-2% Inedible animal grease (CAS #68153-81-1), 0-2% Lithium hydroxide monohydrate (CAS #1310-66-3), 0-1% Butyl zimate (CAS #136-32-2), 0-1% Hydroxyalkyl carboxylic acid, 0-1% Methacrylate copolymer	0.8	Y
Mold Storage (Cart)	Superplex EP-2 Grease	1, 14.5 oz can	Used	80-95% base lubricating oil (CAS #64742-47-5), 3-10% lithium complex soap (CAS #7620-77-1), 1-5% corrosion inhibitor (CAS #61789-62-4)	0.8	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cart)	Blaster PB penetrating catalyst	1, 14.5 oz can	Used	0-3% Dinonylphenol ethoxylated phosphate (CAS #39464-64-7), 40-50% Solvent Naphtha, Heavy Aromatic (CAS #64742-94-5), 20-30% Heavy petroleum distillate (CAS #64742-52-5), 50-60% Hydrotreated light distillate (CAS #64742-47-8), 1-5% Carbon Dioxide propellant (CAS #124-38-9)	0.8	Y
Mold Storage (Cart)	CRC Contact Cleaner 2000	1, 13 oz can	Used	80-90% COzol 401 (proprietary), 5-10% Carbon Dioxide (CAS #124-38-9), 5-10% Decafluoropentane (HFC-43-10mee; CAS #138495-42-8), <0.2% Methanol (CAS #67-56-1)	0.8	Y
Mold Storage (Cart)	Slipkote Moly Paste	1, 4 oz tube	Used	55-60% Petroleum oils (CAS #64741-96-4/64742-62-7), 5-7% lithium hydroxystearate (CAS #7620-77-1), 55-20% molybdenum disulfide (CAS #1317-33-5), 10-20% proprietary components (NJTSRN #80100362-5045P/80100362-5046P)	1.2	Y
Mold Storage (Cart)	Super Blue Silicone type 613	1, 3 oz tube	Used	>60% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), <40% petroleum distallates hydrotreated middle (CAS #64742-46-7), 5-15% Amorphous Silica (CAS #7631-86-9), 1-5% ethyltriacetoxysilane (CAS #17689-77-9), 1-5% methyltriacetoxysilane (CAS #4253-34-3), balance is non-hazardous proprietary mixture	1.2	Y
Mold Storage (Cart)	FasSeal-ATS, Anaerobic thread sealant	1, 50 mL tube	Used	40-60% Methacrylate ester (CAS #109-17-1), 20-30% Polymeric plasticizer (CAS #25103-87-1), 10-20% Cellulose ester (CAS #9004-38-8), 1-10% Polytetrafluoroethylene (CAS #9002-84-0), 1-3% Cumene hydroperoxide (CAS #80-15-9), 1-5% Titanium dioxide (CAS #13463-67-7), 1-3% Saccharin (CAS #80-07-2)	1.2	Y
Mold Storage (Cart)	Parker Super O-Lube	2, 2 oz tubes	2 Used	Does not contain hazardous ingredients.	1.2	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Storage (Cart)	Infrakote Heat Transfer Compound	1, 2 oz	Used	40-60% petroleum oil (CAS #64742-65-0), 20-30% copper as dust or fume (CAS #7440-50-8), 15-25% proprietary non-hazardous, 5-8% aluminum as dust or fume (CAS #7429-90-5)	0.7	Y
Mold Storage (Cart)	CANODE #2243 Die Spotting Ink	1, 1.5 oz	Used	20% nonylphenol ethoxylate (CAS #009016-45-9)	0.7	Y
Mold Storage (Cart)	**Loctite Thread Sealant with Teflon (30534)**	1, 4 fl oz	Used	**30-60% Isopropyl alcohol** (CAS #67-63-0), 10-30% Talc (CAS #14807-96-6), 10-30% Castor Oil, 10-30% Vinyl terpolymer (CAS #27360-07-2), 1-5% Titanium dioxide (CAS #13463-67-7), 1-5% Poly(tetrafluoroethylene) (CAS #9002-84-0, 0.1-1% Silica, quartz (CAS #14808-60-7)	0.7	Y
Mold Machine Repair Shop	DOW Corning Compound 111	1, 150 g	Used	Does not contain hazardous ingredients.	0.1	Y
Mold Machine Repair Shop	Devcon 5 Minute Epoxy	1, 25 mL	Used	60-100% Bisphenol A diglycidyl ether resin (CAS #25068-38-6)	0.1	Y
Mold Machine Repair Shop	MBB Biodegradable Bulk Mold Cleaner	1 spray bottle	Used	100% D-Limonene	0.1	Y
Mold Machine Repair Shop	**Isopropyl Alcohol**	2 spray bottles	Used	**Isopropyl Alcohol** (CAS #67-63-0)	0.0-0.2	Y
Mold Machine Repair Shop	**Acetone**	2 spray bottles	Used	**Acetone** (CAS #67-64-1)	0.0-0.2	Y
Mold Machine Repair Shop	Accu-Lube #10 Perfect Tapping Oil	1, 4 oz; 1 bottle	Used	Does not contain hazardous ingredients.	0.1-0.2	Y
Mold Machine Repair Shop	TAP Magic Cutting Fluid	2, 4 oz; 2, 16 oz; 1 aluminum can	Used	60% (max.)Petroleum Distillate (Aliphatic 90%/Aromatic 10%; CAS #8008-20-6), 40% (max.) methyl laurate (CAS #111-82-0), 10% (max.) essential vegetable oil (CAS #8007-80-5)	0.0-0.2	Y
Mold Machine Repair Shop	GOJO Skin Lotion	5 fl oz	Used	Does not contain hazardous ingredients.	0.0	Y
Mold Machine Repair Shop	**Slide "PC" Polish Cleaner Compound**	4, 10 fl oz	Used	50-70% Water, 2-5% Oxalic Acid (CAS #144-62-7), 30-35% Silica (CAS #148-60-7), 2-5% Ammonium Hydroxide (CAS #1336-21-6), **2-5% Isopropanol** (CAS #67-63-0), 2-5% Olecic Acid (CAS #112-80-1)	0.0-0.2	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	**Dykem Steel Blue**	4, 8 fl oz	2 New 2 Used	30-60% n-Butyl acetate (CAS #123-86-4), 30-60% Ethanol (CAS #64-17-5), 10-30% n-Butyl alcohol (CAS #71-36-3), 1-5% n-Propyl Acetate (CAS #109-60-4), **1-5% Isopropyl alcohol** (CAS #67-63-0), 3-7% Diacetone alcohol (CAS #123-42-2), 0.1-1% Malachite Green (CAS #2437-29-8)	0.0	Y
Mold Machine Repair Shop	**Dykem Staining Color (Dark Blue)**	1, 8 fl oz	Used	30-50% n-Butyl acetate (CAS #123-86-4), 20-50% Ethanol (CAS #64-17-5), 10-20% n-Butyl alcohol (CAS #71-36-3), 1-10% Nitrocellulose (CAS #9004-70-0), 1-10% n-Propyl Acetate (CAS #109-60-4), **1-10% Isopropyl alcohol** (CAS #67-63-0); may contain one or more of the following: 1-5% Diacetone alcohol (CAS #123-42-2), 1-5% C.I. Solvent Red 160 (TSR#489909-5028-P-CH), <1% C.I. Solvent Yellow 42, <1% Malachite Green (CAS #2437-29-8), <1% Methyl violet (CAS #8004-87-3), <1% C.I. Solvent Orange 23, <1% C.I. Solvent Black 13	0.0	Y
Mold Machine Repair Shop	AlumTap Cutting Fluid	1 aluminum container	Used	<80% severely hydrotreated light naphthenic distillate (CAS #64742-53-6), <20% α-olefin (proprietary), <10% fatty trimester (proprietary), <5% fatty monoester (proprietary)	0.0	Y
Mold Machine Repair Shop	Way Oil	1 plastic container	Used	No reportable hazardous or complex substances.	0.0	Y
Mold Machine Repair Shop	LPS Premium Nickel Anti-Seize	1, 1lb	Used	30-60% Petroleum oil (CAS #64742-52-5), 20-30% Nickel (metallic) (CAS #7440-02-0), 10-30% Residual oils (CAS #64742-57-0)	0.0	Y
Mold Machine Repair Shop	Blue Magic Metal Polish Cream	2, 19.38 oz	Used	25-35% Aluminum oxide (CAS #1344-28-1), 15-25% Kerosene (CAS #8008-20-6), 3-6% Fatty acid (CAS #61790-12-3), 1-5% Ammonium hydroxide (CAS #7664-41-7)	0.0-0.1	Y
Mold Machine Repair Shop	Oatey Plumber's Putty	1, 14 oz	Used	60-90% Limestone (CAS #1317-65-3), 10-30% Hydrocarbon oil (CAS #64742-52-5), 1-5% Talc (CAS #14807-96-6), 1-5% Clay (CAS #68953-58-2)	0.0	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	Orapi Target Bearing Blue (506225)	1, 1 ¼ oz	Used	Does not contain hazardous ingredients.	0.0	Y
Mold Machine Repair Shop	WD-40	2, 18 oz	Used	45-50% Aliphatic Hydrocarbon (CAS #64742-47-8), < 25% Petroleum Based Oil (CAS #64742-58-1/64742-53-6/64742-56-9/64742-65-0), 12-18% LVP Aliphatic Hydrocarbon (CAS #64742-47-8), 2-3% Carbon Dioxide (CAS #124-38-9), < 2% surfactant (proprietary), < 10% non-hazardous ingredients (mixture)	0.1-0.2	Y
Mold Machine Repair Shop	**Dykem Remover & Cleaner**	2, 12 oz	1 New, 1 Used	**30-60% Acetone** (CAS #67-64-1), 10-30% Ethanol (CAS #64-17-5), 7-13% Butane (CAS #106-97-8), 1-5% n-Propyl acetate (CAS #109-60-4), 1-5% **Isopropyl alcohol** (CAS #67-63-0)	0.1-0.2	Y
Mold Machine Repair Shop	Kano SiliKroil	1, 16.5 oz	Used	30-50% severely hydrotreated petroleum distillates (CAS #64742-52-5), 30-50% light petroleum distillates (CAS #64742-95-6/64742-88-7/64742-47-8, 1-5% aliphatic alcohols (CAS #78-92-2/123-42-2), 1-5% glycol ether (CAS #111-76-2), 1-10% Silicone (CAS #63148-62-9), 1-15% Carbon Dioxide Propellant (CAS #124-38-9), 5-15% proprietary ingredients	0.1	Y
Mold Machine Repair Shop	Parker Super O-Lube	1, 2 oz tube	Used	Does not contain hazardous ingredients.	0.1	Y
Mold Machine Repair Shop	Crown ButterCutt Cutting and Tapping Compound	1, 1 pint; 1 small bottle	Used	No reportable hazardous substances.	0.1	Y
Mold Machine Repair Shop	Stone Oil	1 bottle	Used	100% Petroleum distillates hydrotreated middle (CAS #64742-46-7)	0.1	Y
Mold Machine Repair Shop	**Purell Hand sanitizer**	1, 12 fl oz	Used	62% Ethyl Alcohol (CAS #64-17-5), **<10% Isopropanol** (CAS #67-63-0), <30% purified water, <1% propylene glycol (CAS #57-55-6), <1% isopropyl myristate (CAS #110-27-0)	0.1	Y
Mold Machine Repair Shop	CH Air Tool Oil	1, 8 fl oz	Used	95-99% Hydrotreated Heavy Paraffinic Petroleum Distillates, 1-5% Additives	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	**Windex**	1 spray bottle	Used	60-100% Water, **1-5% Isopropyl alcohol** (CAS #67-63-0), 0.5-1.5% 2-Butoxyethanol (CAS #111-76-2), 0.5-1.5% Ethylene glycol hexyl ether (CAS #112-25-4)	0.1	Y
Mold Machine Repair Shop	Loctite Color Guard	1, 14.5 fl ox	Used	**30-60% Xylenes** (CAS #1330-20-7), **10-30% Acetone** (CAS #67-64-1), **10-30% Methyl ethyl ketone** (CAS #78-93-3), 5-10% Naphtha (CAS #8030-30-6), 5-10% hydrocarbon aliphatic aromatic naphthenic (C9-C12; CAS #64742-88-7), **1-5% n-Hexane** (CAS #110-54-3), 1-5% Titanium dioxide (CAS #13463-67-7), 1-5% Carbon black (CAS #1333-86-4), 1-5% amorphous, fumed, crystal-free Silica (CAS #112945-52-5), 1-5% proprietary filler	0.2	Y
Mold Machine Repair Shop	GOJO Fast Towels/Multi-Purpose Wipes	2 tubs, 225 wipes/tub	Used	Alcohol (CAS #64-17-5), Limonene (CAS #5989-27-5)	0.1	Y
Mold Machine Repair Shop	**Pro-Safe Pre-moistened Lens Cleaning Towelettes**	1 open box (original quantity: 100 towelettes)	Used	42-52% cellulose paper (CAS #9004-34-6), 32-45% water, **10-20% Isopropyl Alcohol** (CAS #67-63-0), 2-7% 2-butoxyethanol (CAS #111-76-2), <0.1% sodium bicarbonate (CAS #144-55-8), <1% fragrance [mixture]	0.1	Y
Mold Machine Repair Shop	**Slide On/Cycle Mold Cleaner**	2, 12 oz	Used	30-40% Natural Turpene (CAS #5989-27-5), **25-30% Isopropanol** (CAS #67-63-0), 22-32% Aliphatic hydrocarbon (CAS #64742-48-9), 8-12% Propane (CAS #74-98-6)	0.2	Y
Mold Machine Repair Shop	Sicomet – D bond	1, 2 fl oz	Used	100% Nitromethane (CAS #75-52-5)	0.2	Y
Mold Machine Repair Shop	ITW Dymon Scrubs-in-a-Bucket	1 tub (original quantity: 72)	Used	Does not contain hazardous ingredients.	0.2	Y
Mold Machine Repair Shop	Nu-Calgon Thermo-Trap Heat Absorbing Paste	1, 11 oz	Used	Does not contain hazardous ingredients.	0.1	Y
Mold Machine Repair Shop	Lawson Hydraulic Sealant 97642	1, 35 mL	Used	1-3% Cumene hydroperoxide (CAS #80-15-9)	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	Permatex Ultra Copper Gasket Maker	1, 3 oz tube	Used	50-70% poly(dimethylsiloxane) hydroxyl terminated (CAS #70131-67-8), 20-40% polydimethylsiloxane (CAS #63148-62-9), <10% modified silicon dioxide (CAS #68611-44-9), <7% vinyl oximinosilane (CAS #2224-33-1), <3% iron oxide (CAS #1309-37-1), <3% silica, mica (CAS #12001-26-2), 0.5-2% 2-butanone oxime (CAS #96-29-7)	0.1	Y
Mold Machine Repair Shop	Loctite 545 Thread Sealant	1, 10 mL	Used	30-60% Polyglycoldioctylate (proprietary), 10-30% Polyglycol dimethacrylate (proprietary), 10-30% 2-Hydroxyethyl methacrylate (CAS #868-77-9), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 0.1-1% methacrylic acid (CAS #79-41-4), 0.1-1% Cumene (CAS #98-82-8), 0.1-1% 1-acetyl-2-phenylhydrazine (CAS #114-83-0)	0.1	Y
Mold Machine Repair Shop	Loctite 243 Thread Locker	1, 10 mL	Used	10-30% Polyglycol dimethacrylate (proprietary), 10-30% methacrylate resin (proprietary), 1-5% propane-1,2-diol (CAS #57-55-6), 0.1-1% Cumene hydroperoxide (CAS #80-15-9), 0.1-1% 1-acetyl-2-phenylhydrazine (CAS #114-83-0), 0.1-1% Cumene (CAS #98-82-8)	0.1	Y
Mold Machine Repair Shop	Loctite 609 Retaining Compound	1, 10 mL	Used	60-100% Polyglycol dimethacrylate (proprietary), 10-30% 2-Hydroxyethyl methacrylate (CAS #868-77-9), 1-5% ethyl methacrylate homopolymer (proprietary), 1-5% Cumene hydroperoxide (CAS #80-15-9), 1-5% saccharin (CAS @81-07-2), 0.1-1% adhesion prometer (proprietary), 0.1-1% Cumene (CAS #98-82-8)	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	Meguiar's Mirror Glaze 10 Clear Plastic Polish	2, 8 oz	Used	50-70% water, 10-30% hydrotreated middle distillates (CAS #64742-46-7), 10-30% hydrotreated light distillates (CAS #64742-47-8), 1-5% glycerin (CAS #56-81-5), 1-5% [trade secret] processed castor oil, <5% [trade secret] conditioners	0.1	Y
Mold Machine Repair Shop	Meguiar's Mirror Glaze 17 Clear Plastic Cleaner	1, 8 oz	Used	50-70% water, 5-15% petroleum distillates (CAS #64742-47-8), 5-10% calcined kaolin (CAS #92704-41-1), 5-10% petroleum distillates (CAS #8042-47-5), 3-7% glycerin (CAS #56-81-5), 3-7% [trade secret] conditioners	0.1	Y
Mold Machine Repair Shop	Wacker Ceramics TETRABOR Boron Carbide	1, 75 mL	Used	100% Boron carbide	0.1	Y
Mold Machine Repair Shop	USP Lapping Compound Grade 220 Medium WS Crystolon	1 jar	Used	Aluminum oxide powder in an oil-soap base (comprised of hydrocarbon oils, vegetable oils, and animal fatty acid soap). Approximately 30% solids. Contains <50 ppm leachable chlorides.	0.1	Y
Mold Machine Repair Shop	USP Lapping Compound Grade Green Rouge WS 1 micron	1 jar	Used	Abrasive powder in an oil-soap base (comprised of hydrocarbon oils, vegetables oils, and animal fatty acid soap). Approximately 30% solids. Contains <50 ppm leachable chlorides.	0.1	Y
Mold Machine Repair Shop	USP Lapping Compound Grade 302 ½ WS 400 Grit	1 jar	Used	Aluminum oxide family (generic information for USP Lapping Compounds – Standard Grit Lapping Compound)	0.1	Y
Mold Machine Repair Shop	USP Lapping Compound Grade GK-10A WS	1 jar	Used	Garnet powder in an oil-soap base (comprised of hydrocarbon oils, vegetable oils, and animal fatty acid soap. Approximately 30% solids. Contains <50 ppm leachable chlorides.	0.1	Y
Mold Machine Repair Shop	Fel-Pro Clover Compound	3, 16 oz	Used	75-85% petroleum distillates, hydrotreated, heavy naphthenic (CAS #64742-52-5), 30-60% Silicon carbide (CAS #409-21-2), 0.1-1% Crystalline silica (CAS #14464-46-1)	0.1	Y
Mold Machine Repair Shop	Loctite Clover Compound	2, 16 oz; 1, 4 oz	Used	10-30% Silicon carbide (CAS #409-21-2), 1-5% Triethanolamine (CAS #102-71-6), 0.1-1% Crystalline silica (CAS #14464-46-1)	0.1	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Machine Repair Shop	DME Mold Polishing & Lapping Compound (220 grit)	1, 16 oz	Used	Aluminum oxide (CAS #1344-28-1), Petrolatum (CAS #8009-03-8)	0.1	Y
Mold Machine Repair Shop	PPE White Lithium Grease Lubricant (Part No. WLG03)	1, 3 oz	Used	70-100% petroleum distillates, severely hydrotreated, heavy naphthenic (CAS #64742-54-5), 1-5% zinc oxide (CAS #1314-13-2)	0.1	Y
Mold Maintenance Area	Blue Magic Metal Polish Cream	1, 1.2 lb	Used	25-35% Aluminum oxide (CAS #1344-28-1), 15-25% Kerosene (CAS #8008-20-6), 3-6% Fatty acid (CAS #61790-12-3), 1-5% Ammonium hydroxide (CAS #7664-41-7)	1.2	Y
Mold Maintenance Area	Parker Super O-Lube	1, 2 oz	Used	Does not contain hazardous ingredients.	1.2	Y
Mold Maintenance Area	Loctite 545 Thread Sealant	1, 50 mL	Used	30-60% Polyglycoldioctylate (proprietary), 10-30% Polyglycol dimethacrylate (proprietary), 10-30% 2-Hydroxyethyl methacrylate (CAS #868-77-9), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 0.1-1% methacrylic acid (CAS #79-41-4), 0.1-1% Cumene (CAS #98-82-8), 0.1-1% 1-acetyl-2-phenylhydrazine (CAS #114-83-0)	3.2	Y
Mold Maintenance Area	High Heat Copper Flake Thread Lube (Item No. 103783)	1, 16 oz	Used	35-60% petroleum grease/oil (CAS #64742-62-7), 20-35% copper, as fume or dust (CAS #7440-50-8), 10-20% graphite (CAS #7782-42-5), <1% silica, crystalline quartz (CAS #14808-60-7)	1.2-3.7	Y
Mold Maintenance Area	**Slide "PC" Polish Cleaner Compound**	4, 10 fl oz	Used	50-70% Water, 2-5% Oxalic Acid (CAS #144-62-7), 30-35% Silica (CAS #148-60-7), 2-5% Ammonium Hydroxide (CAS #1336-21-6), **2-5% Isopropanol** (CAS #67-63-0), 2-5% Olecic Acid (CAS #112-80-1)	1.2-4.3	Y
Mold Maintenance Area	**Slide White Rhino Rust Preventive**	1, 10 oz can	Used	**50-60% Heptane** (CAS #00142-82-5), 20-30% proprietary rust preventive, 10-20% Propane CAS #74-98-6, 5-10% n-Butane (CAS #106-97-8), 4-8% Isobutane (CAS #75-28-5)	3.5	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Maintenance Area	MBB Biodegradable Bulk Mold Cleaner	3 Spray Bottles	Used	100% D-Limonene	4.8	Y
Mold Maintenance Area	WD-40	1 Spray Bottle	Used	45-50% Aliphatic Hydrocarbon (CAS #64742-47-8), < 25% Petroleum Based Oil (CAS #64742-58-1/64742-53-6/64742-56-9/64742-65-0), 12-18% LVP Aliphatic Hydrocarbon (CAS #64742-47-8), 2-3% Carbon Dioxide (CAS #124-38-9), < 2% surfactant (proprietary), < 10% non-hazardous ingredients (mixture)	4.8	Y
Mold Maintenance Area	**PHARMCO-AAPER Reagent alcohol 190 proof**	3 Spray Bottles	Used	84% Ethanol (CAS #64-17-5), **4.6% Isopropanol** (CAS #67-63-0), 4.4% Methanol (CAS #67-56-1), 6.9% Water	4.8	Y
Mold Maintenance Area	Loctite 222MS ThreadLocker	1, 50 mL	Used	30-60% Polyglycol dimethacrylate (proprietary), 30-60% polyglycol oleate (proprietary), 1-5% saccharin (CAS #81-07-2), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 1-5% propane-1,2-diol (CAS #57-55-6), 0.1-1% titanium dioxide (CAS #13463-67-7), 0.1-1% Cumene (CAS #98-82-8)	2.6	Y
Mold Maintenance Area	3-IN-ONE Multi-Purpose Oil	2, 3 fl oz	Used	>97% Severely Hydrotreated Heavy Naphthenic Oil (CAS #64742-52-5), <3% Non-Hazardous Ingredients (mixture), <2% Naphtha, petroleum (CAS #64742-47-8)	3.1	Y
Mold Maintenance Area	LPS Premium Nickel Anti-Seize	1, 0.5 lb	Used	30-60% Petroleum oil (CAS #64742-52-5), 20-30% Nickel (metallic) (CAS #7440-02-0), 10-30% Residual oils (CAS #64742-57-0)	5.2	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Mold Maintenance Area	**Loctite Fixmaster Fast Cure Epoxy**	1, 1.2 fl oz	Used	30-60% Aluminum hydroxide (CAS #21645-51-2), 30-60% [proprietary] Polymercaptan hardener, 5-10% [proprietary] substituted aminophenol, **1-5% Styrene** (CAS #100-42-5), 1-5% silica, amorphous, fumed, crystal-free (CAS #112945-52-5), 1-5% ethylene glycol (CAS #107-21-1), 1-5% [proprietary] substituted aminophenol, 0.1-1% benz(a)anthracene (CAS #5655-3)	2.4	Y
Mold Maintenance Area	Kano SiliKroil	3, 16.5 oz	2 Used, 1 New	30-50% severely hydrotreated petroleum distillates (CAS #64742-52-5), 30-50% light petroleum distillates (CAS #64742-95-6/64742-88-7/64742-47-8, 1-5% aliphatic alcohols (CAS #78-92-2/123-42-2), 1-5% glycol ether (CAS #111-76-2), 1-10% Silicone (CAS #63148-62-9), 1-15% Carbon Dioxide Propellant (CAS #124-38-9), 5-15% proprietary ingredients	1.2-3.9	Y
Main Mold Facility (cart)	Speedball 2000 Heavy Duty Cleaner	1 Spray Bottle; 1 Jug	Used	0.1-1.5% Monoethanolamine (CAS #100-51-6), 1-5% Diethylene glycol monoethyl ether (CAS #111-90-0), 0.1-1.5% Benzyl alcohol	0.3	Y
Main Mold Facility (cart)	Diversey Glance (glass and multi surface cleaner)	1 Spray Bottle; 1 Jug	Used	0.1-1.5% 2-butoxyethanol (CAS #111-76-2)	0.3	Y
Main Mold Facility (cart)	LOOK Glass Cleaner	1 spray bottle	Used	30-60% Water, 30-60% 2-Butoxyethanol (CAS #111-76-2), 5-10% Sodium lauryl sulfate (CAS #151-21-3), 1-5% Sodium xylene sulfonate (CAS #1300-72-7), 1-5% Ammonium hydroxide (CAS #1336-21-6)	0.3	Y
Main Mold Facility (cart)	Dynatex Silicone Compound	1, 16 oz	Used	25-55% Calcium carbonate CAS#1317-65-3, 10-30% Proprietary non-haz plasticizer, 10-30% Proprietary non-haz polymer, >3% Vinyltrimethoxysilane CAS#2768-02-7, >3% n-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane CAS#1760-24-3	0.5	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Main Mold Facility (cart)	PPE Copper Flake Anti-Seize Thread Compound (Part No. FC-16)	2, 16 oz	Used	50-60% Petroleum oil (CAS #64741-96-4), 5-10% Copper powder (CAS #7440-50-8), 1-5% Graphite powder (CAS #7782-42-5), 0.5-4.7% Proprietary components	0.5	Y
Main Mold Facility (cart)	Slide Pure Eze Release	2, 11.5 oz	Used	1-7% Aliphatic hydrocarbon (CAS #8042-47-5), 55-65% dimethyl ether (CAS #115-10-6), 30-40% 1,1 Difluoroethane (CAS #75-37-6)	0.5	Y
Main Mold Facility (cart)	Stoner Foaming Xenit Cleaner	1, 13 oz	Used	Water, Hydrocarbon propellant (CAS #68-476-86-8), NJ Trade Secret Registry component (#80100382-5094P)	0.3	Y
Main Mold Facility (cart)	Blue Magic Metal Polish Cream	1, 7 oz	Used	25-35% Aluminum oxide (CAS #1344-28-1), 15-25% Kerosene (CAS #8008-20-6), 3-6% Fatty acid (CAS #61790-12-3), 1-5% Ammonium hydroxide (CAS #7664-41-7)	0.5	Y
Main Mold Facility (cart)	Propane	4 torches	Used	Propane (CAS #74-98-6)	0.5	Y
Main Mold Facility (cart)	**PHARMCO-AAPER Reagent alcohol 190 proof**	1 Spray Bottle	Used	84% Ethanol (CAS #64-17-5), **4.6% Isopropanol** (CAS #67-63-0), 4.4% Methanol (CAS #67-56-1), 6.9% Water	0.5	Y
Main Mold Facility (cart)	MBB Biodegradable Bulk Mold Cleaner	1 Spray Bottle	Used	100% D-Limonene	0.5	Y
Molding Storage	Digesil NC Xtra	1, 55 gallon	Used	>60% mid petroleum distillate (CAS #64742-81-0), 20-40% dodecylbenzene sulfonic acid (CAS #27176-87-0)	0.5	Y
Molding Storage	Kimcare Antibacterial Liquid Soap	1, 1 gallon	Used	99-100% proprietary, 0.5% chloroxylenol (CAS #88-04-0), 0.1-0.2% ethanolamine (CAS #141-43-5)	0.5	Y
Molding Storage	Leybonol LVO 120 Mineral Oil for Vacuum Pumps	1, 0.5 L	Used	Mineral oil with additives (<0.25% alkyl phenol)	0.5	Y
Molding Storage	Arburg NatSync GS 68 “Phsphor/Schwefel Additive”	1, 1 L	Used	This mixture is not classified as hazardous.	0.5	Y
Molding Storage	Momentive LIM6030 Pail Kit A	1, 80 lbs	Used	30-60% Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated (CAS #68083-18-1), 30-60% polyvinylsiloxane (CAS #68083-19-2), 10-30% treated silica (CAS #68937-51-9)	0.5	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding Storage	Momentive LIM6030 Pail Kit B	1, 80 lbs	Used	30-60% Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated (CAS #68083-18-1), 30-60% polyvinylsiloxane (CAS #68083-19-2), 10-30% treated silica (CAS #68937-51-9), 1-5% methylhydrogenpolysiloxane (CAS #68988-57-8)	0.5	Y
Kitting/Cable Assembly Rooms	**Isopropyl Alcohol**	5 containers (var. size)	Used	**Isopropyl Alcohol** (CAS #67-63-0)	0.6	Y
Kitting/Cable Assembly Rooms	**Acetone**	1 amber	Used	**Acetone** (CAS #67-64-1)	0.6	Y
Kitting/Cable Assembly Rooms	Kester 1544 Rosin Soldering Flux	2, 1 gal	Used	40-50% Rosin (CAS #8050-09-7), 20-25% sec-butanol (CAS #78-92-2), 15-20% ethanol (CAS #64-17-5), 1-2.5% isopropanol (CAS #67-63-0), 1-2.5% methanol (CAS #67-56-1)	0.6	Y
Kitting/Cable Assembly Rooms	Kester 5521 Flux	1 container	Used	10-25% Glycolic acid (CAS #79-14-1), 10-25% Ammonium chloride (CAS #12125-02-9), 2.5-10% Phosphonic acid (CAS #6419-19-8), 2.5-10% Diammonium peroxodisulphate (CAS #7727-54-0), $\leq$2.5% Methoxyacetic acid (CAS #625-45-6)	0.6	Y
Kitting/Cable Assembly Rooms	Indalloy Flux (Flux # 2)	1, 1 pint	Used	40-65% Phosphoric Acid (CAS #7664-38-2), 20% water, 15-40% non-hazardous additives	0.6	Y
Kitting/Cable Assembly Rooms	Loctite 242	2, 50 mL	Used	60-100% Polyglycol dimethacrylate (proprietary), 10-30% polyglycol oleate (proprietary), 1-5% saccharin (CAS #81-07-2), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 1-5% Cumene hydroperoxide (CAS #80-15-9), 1-5% propane-1,2-diol (CAS #57-55-6), 0.1-1% Cumene (CAS #98-82-8)	0.6	Y
Kitting/Cable Assembly Rooms	Vibra-TITE VC-6 Clear	1, 1 fl oz	Used	65-75% Dimethyl carbonate (CAS #616-38-6), 10-20% [proprietary] Acrylic polymer, 10-20% [proprietary] Methacrylate ester, 1-5% [proprietary] plasticizer	0.6	Y
Kitting/Cable Assembly Rooms	LOOK Glass Cleaner	1 spray bottle	Used	30-60% Water, 30-60% 2-Butoxyethanol (CAS #111-76-2), 5-10% Sodium lauryl sulfate (CAS #151-21-3), 1-5% Sodium xylene sulfonate (CAS #1300-72-7), 1-5% Ammonium hydroxide (CAS #1336-21-6)	0.6	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Kitting/Cable Assembly Rooms	Speedball 2000 Heavy Duty Cleaner	1 spray bottle	Used	0.1-1.5% Monoethanolamine (CAS #100-51-6), 1-5% Diethylene glycol monoethyl ether (CAS #111-90-0), 0.1-1.5% Benzyl alcohol	0.6	Y
Molding Storage/Leadwire Assembly	Indalloy Flux (Flux # 2)	1 container	Used	40-65% Phosphoric Acid (CAS #7664-38-2), 20% water, 15-40% non-hazardous additives	0.3	Y
Molding Storage/Leadwire Assembly	Kester 5521 Flux	4 containers	Used	10-25% Glycolic acid (CAS #79-14-1), 10-25% Ammonium chloride (CAS #12125-02-9), 2.5-10% Phosphonic acid (CAS #6419-19-8), 2.5-10% Diammonium peroxodisulphate (CAS #7727-54-0), ≤2.5% Methoxyacetic acid (CAS #625-45-6)	0.3	Y
Molding Storage/Leadwire Assembly	**Isopropyl Alcohol**	3 containers	Used	**Isopropyl Alcohol** (CAS #67-63-0)	0.3	Y
Molding/Cable Wire Raw Material Storage	**Dust-Off Anti-Static Monitor Wipes**	80 wipes	Used	**1% Isopropyl Alcohol** (CAS #67-63-0)	0.0	Y
Molding/Cable Wire Raw Material Storage	**Prosat Presaturated Wipes (PS-850)**	4 pouches (50 wipes ea)	New	**70% Isopropyl Alcohol** (CAS #67-63-0), 30% Water	0.0	Y
Molding/Cable Wire Raw Material Storage	**Purell Hand Sanitizer**	1, 800 mL	New	62% Ethyl Alcohol (CAS #64-17-5), **<10% Isopropanol** (CAS #67-63-0), <30% purified water, <1% propylene glycol (CAS #57-55-6), <1% isopropyl myristate (CAS #110-27-0)	0.0	Y
Molding/Cable Wire Raw Material Storage	CliniShield Moisturizing Lotion	1 Bottle	Used	1,2,3-propanetriol (CAS #56-81-5)	0.0	Y
Molding/Cable Wire Raw Material Storage	Marabu 954 Tampastar TPR Medium Blue	1, 1 L	New	10-40% 4-hydroxy-4-methyl-2-pentanone (CAS #123-42-2), 1-15% 2-butoxyethyl acetate (CAS #112-07-2), 1-15% aromatic hydrocarbons (C9-C10, contains: 45% Trimethylbenzene (CAS #25551-13-7)), 1-10% cyclohexanone (CAS #108-94-1), 1-10% butylglycolate (CAS #7397-62-8), 1-5% 3-methoxy-n-butylacetate (CAS #4435-53-4)	0.0	Y
Molding/Cable Wire Raw Material Storage	Marabu TPV Diluant Thinner	3, 1 L	2 New, 1 Used	95% 2-methoxy-1-methyethyl acetate (CAS #108-65-6)	0.0	Y
Molding/Cable Wire Raw Material Storage	Cytec Easypoxy K-20 Part A	10, 1.5 oz	New	***MSDS not located***	0.0	N

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding/Cable Wire Raw Material Storage	Cytec Easypoxy K-20 Part B	10, 1.5 oz	New	***MSDS not located***	0.0	Y
Molding/Cable Wire Raw Material Storage	ITW Transtech 120299 Hardener BH (200 MI) Tube	2 tubes	New	30-35% n-butyl acetate (CAS #123-86-4), <0.5% toluene diisocyanate (CAS #26471-62-5)	0.0	Y
Molding/Cable Wire Raw Material Storage	ITW TransTech BGA Thinner	2 cans	New	98-100% ethylene glycol, monobutyl ether acetate	0.0	Y
Molding/Cable Wire Raw Material Storage	**ITW TransTech Ink Type P**	5 cans	New	10-25% Cyclohexanone (CAS #108-94-1), 5-10% 2-butoxyethyl acetate (CAS #112-07-2), 5-10% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), 5-10% solvent naphtha light aromatic petroleum (CAS #64742-95-6), **1-2.5% 1,2,4-trimethylbenzene** (CAS #95-63-6), **<1% mesitylene** (CAS #108-67-8), <1% cumene (CAS #98-82-8)	0.0	Y
Molding/Cable Wire Raw Material Storage	**ITW TransTech Ink Type B**	10 cans	New	25-40% 4,4'-isopropylidenediphenol (oligomeric reaction products with 1-choro-2,3-epoxypropane; CAS #25068-38-6), 10-25% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), 5-10% Cyclohexanone (CAS #108-94-1), 10-25% 2-butoxyethyl acetate (CAS #112-07-2), 2.5-5% solvent naphtha heavy aromatic petroleum (CAS #64742-94-5), **2.5-5% Xylene** (CAS #1330-20-7), **<1% 1,2,4-trimethylbenzene** (CAS #95-63-6)	0.0	Y
Molding/Cable Wire Raw Material Storage	ITW TransTech Ink Type PG	9 cans	New	10-25% butyl glycollate (CAS #7397-62-8), 5-10% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), 10-25% Cyclohexanone (CAS #108-94-1), 5-10% n-Butyl acetate (CAS #123-86-4), 5-10% 4-hydroxy-4-methylpentan-2-one (CAS #123-42-2), <1% naphtha heavy aromatic petroleum (CAS #64742-94-5), <1% quaternary ammonium compounds (CAS #68308-64-5), <1% (R)-p-mentha-1, 8-diene (CAS #5989-27-5)	0.0	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Molding/Cable Wire Raw Material Storage	**ITW TransTech Ink Type 434**	2 cans	New	10-25% solvent naphtha light aromatic petroleum (CAS #64742-95-6), 10-25% 2-methoxy-1-methylethyl acetate (CAS #108-65-6), **5-10% Xylene** (CAS #1330-20-7), 2.5-5% Hydrocarbons (CAS #1174921-79-9), **1-2.5% Ethylbenzene** (CAS #100-41-4), **<1% Chlorobenzene** (CAS #108-90-7), <1% Fatty acids (CAS #222716-38-3), **<1% Toluene** (CAS #108-88-3)	0.0	N
Molding/Cable Wire Raw Material Storage	**Transtech Thinner B**	2, 1 gallon	Used	55-65% n-Butyl acetate (CAS #123-86-4), 5-15% Cyclohexanone (CAS #108-94-1), 5-15% 1-Methoxy-2-Propanolacetate (CAS #108-65-6), **5-15% Xylenes** (CAS #1330-20-7), **0-5% Ethylbenzene** (CAS #100-41-4)	0.0	Y
Molding/Cable Wire Raw Material Storage	**Engineered Printing Solutions Ink**	3 Cans	New	17-23% 2-butoxyethyl acetate (CAS #112-07-2), 10-30% 1-methoxy-2-propanol acetate (CAS #108-65-6), 10-25% bisphenol A/Epichlorhydrin based epoxy resin (CAS #25068-38-6), 5-15% cyclohexanone (CAS #108-94-1), 2.5-5% aromatic solvent hydrocarbon (CAS #64742-94-5), **2.5-5% Xylene** (CAS #1330-20-7)	0.0	Y
Warehouse Area J	Aplicare Povidone-Iodine Ointment	2000 packets/box, 1 g packets	1 New, 1 Open	No MSDS available. Active ingredient: 10% povidone-iodine USP	0.2	Y
Warehouse Area J	Aplicare Povidone-Iodine Swabsticks	1 Full Box, 1 Opened Box (1000 ea.)	New	No MSDS available. Active ingredient: 10% povidone-iodine USP	0.2	Y
Warehouse Area J	**Aplicare Alcohol Swabsticks**	1 Open Box (1000 ea.)	New	**70% Isopropyl Alcohol** (CAS #67-63-0), **10% Acetone** (CAS #67-64-1)	0.2	Y
Warehouse Area J	Novagard RTV Adhesive (400-155)	19, 30 g syringes	New	0-15% amorphous silica (CAS #68611-44-9), 0-5% methyl oximino silane (CAS #22984-54-9), 0-4% vinyl oximino silane (CAS #2224-33-1), 0-2% aminopropyltriethoxysilane (CAS #919-30-2)	0.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Warehouse Area J	Loctite 3106	1, 1 L	New	30-60% acrylate monomer (proprietary), 10-30% N,N-dimethylacrylaminde (CAS #2680-03-7), 1-5% substituted silane (proprietary), 1-5% amorphous, fumed, crystal-free silica (CAS #112945-52-5), 0.1-1% acrylate (proprietary)	0.3	Y
Warehouse Area J	**Prosat Presaturated Wipes (PS-850)**	1 pouch (50 wipes ea)	New	**70% Isopropyl Alcohol** (CAS #67-63-0), 30% Water	0.3	N
Warehouse Area J	**Schwartz 'Rez-N-Bond' 1**	3, 3.78 L	New	**60-100% Methylene Chloride** (CAS #75-09-2)	0.0	Y
Warehouse Area J	**Chloraprep Triple Swabstick Applicators**	3 boxes (700 ea.)	2 New, 1 Open	**70% Isopropyl Alcohol** (CAS #67-63-0), 2% chlorhexidine digluconate (CAS #18472-51-0)	0.2	Y
Warehouse Area J	**Purell Hand Sanitizer**	2 Dispensers	Used	62% Ethyl Alcohol (CAS #64-17-5), **<10% Isopropanol** (CAS #67-63-0), <30% purified water, <1% propylene glycol (CAS #57-55-6), <1% isopropyl myristate (CAS #110-27-0)	0.2	N
Warehouse Area J	Momentive RTV 110 Series Adhesives	5, 10.3 fl oz	New	RTV 112 (White) / RTV 118 (Translucent): 60-100% Siloxanes and Silicones, di-Me hydroxy terminated (CAS #70131-67-8), 10-30% Silica (CAS #7631-86-9), 5-10% Dimethylpolymers with Methylsilsesquioxanes (CAS #68554-67-6), 1-5% Methyltriacetoxysilane (CAS #4253-34-3), 1-5% Octamethylcyclotetrasiloxane (CAS #556-67-2), 1-5% di-tert-butoxydiacetoxysilane (CAS #13170-23-5) RTV116 (Red): 60-100% Siloxanes and Silicones, di-Me hydroxy terminated (CAS #70131-67-8), 10-30% Silica (CAS #7631-86-9), 1-5% Polyalkylsiloxane (CAS #68037-74-1), 1-5% red iron oxide (CAS #1332-37-2), 1-5% di-tert-butoxydiacetoxysilane (CAS #13170-23-5), 1-5% Methyltriacetoxysilane (CAS #4253-34-3), 0.1-1% Octamethylcyclotetrasiloxane (CAS #556-67-2)	0.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Warehouse Area J	Master Bond EP21LVMed Part A	2 jars	New	50-100% Epoxy resin (CAS #25068-38-6)	0.3	Y
Warehouse Area J	Master Bond EP21LVMed Part B	2 jars	New	50-100% Polyamide resin (CAS #68410-23-1 and #112-24-3)	0.3	Y
Warehouse Area J	Dymax 1-20280 (Medical Device Adhesive & Coatings)	2, 1 L	New	10-30% isobornyl acrylate (CAS #5888-33-5), 10-30% N-vinyl caprolactam (proprietary), 5-10% 2-hydroxyethyl methacrylate (CAS #868-77-9), 1-5% N,N-dimethylacrylamide (CAS #2680-03-7), 1-5% [proprietary] photoinitiator, 1-5% [proprietary] acrylated PEG, 1-5% [proprietary] methyl acrylamide monomer, 1-5% [proprietary] silane coupling agent, 1-5% acrylic acid (CAS #79-10-7)	0.3	Y
Warehouse Area J	Loctite 3051 Light Cure Adhesive	8, 1 L	New	30-60% isobornyl acrylate (CAS #5888-33-5), 10-30% polyurethane methacrylate resin (unknown), 10-30% 2-hydroxyethyl methacrylate (CAS #868-77-9), 5-10% high boiling methacrylate (proprietary), 1-5% acrylic acid (CAS #79-10-7), 1-5% hydroxyalkyl methacrylate (CAS #27813-02-1), 1-5% hydroxyalkyl methacrylate (CAS #27813-02-1) substituted silane (proprietary), 0.1-1% adhesion promoter (proprietary)	0.3	Y
Warehouse Area J	Loctite 680 Retaining Compound	3, 1.69 fl oz	New	30-60% dimethacrylate ester (proprietary), 30-60% hydroxyalkyl methacrylate (CAS #27813-02-1), 1-5% cumene hydroperoxide (CAS #80-15-9), 1-5% polyglycol dimethacrylate (proprietary), 0.1-1% methacrylic acid (CAS #79-41-4), 0.1-1% 1-actyl-2-phenylhydrazine (CAS #114-83-0), 0.1-1% cumene (CAS #98-82-8)	0.2	Y
Warehouse Area J	**Loctite 7451 Accelerator**	1.75 fl oz container, 5 full bags	New	**60-100% Acetone** (CAS #67-64-1), 0.1-1% [proprietary] fragrance	0.2	Y
Warehouse Area J	Weiman Instrument Lubricant	2, 1 gallon	Used	Does not contain hazardous ingredients.	0.3	Y
Warehouse Area J	Timberwolf Waterless Hand Cleaner	1, 128 fl oz	Used	Does not contain hazardous ingredients.	0.3	Y

Location	Product Description	Size (units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photo Y/N
Warehouse Area J	**EXPO dry erase board cleaner**	2, 8 fl oz	1 New, 1 Used	Water, **Isopropyl Alcohol (**CAS #67-63-0), Ethylene Glycol Monobutyl Ether (CAS #111-76-2)	0.3	Y
Warehouse Area J	Branson IS Formulated Cleaning Concentrate	3, 1 quart	2 New, 1 Used	<7% 2-Butoxyethanol (CAS #111-76-2), <7% Sodium Metasilicate (CAS #6834-92-0)	0.3	Y
Molding Offices	**Windex**	1 Spray Bottle	Used	60-100% Water, **1-5% Isopropyl alcohol** (CAS #67-63-0), 0.5-1.5% 2-Butoxyethanol (CAS #111-76-2), 0.5-1.5% Ethylene glycol hexyl ether (CAS #112-25-4)	0.0	Y

Bold indicates a product containing one or more compounds analyzed in the VI samples.