INDOOR AIR ANNUAL MONITORING REPORT 2021
LA FITNESS

Former Unisys Site
Lake Success, New York
NYSDEC Site ID# 130045

Prepared for:
Lockheed Martin Corporation

Prepared by:
AMEC E&E PC

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Submitted to:
Division of Environmental Remediation, NYSDEC Region 1

Revision: 0

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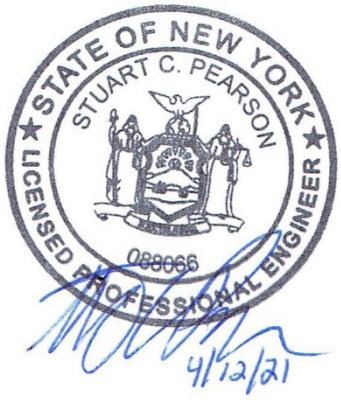
LOCKHEED MARTIN FORMER UNISYS FACILITY

INDOOR AIR ANNUAL MONITORING REPORT

LAKE SUCCESS, NEW YORK

I certify that I am currently a New York State registered professional engineer and that this Report was prepared in accordance with all applicable statues and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).



Stuart C. Pearson

Engineer of Record

ACRONYMS AND ABBREVIATIONS

AGV	Air Guideline Value
AMEC	AMEC E&E, PC
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Reports
EP	extraction point
IA	indoor air
Lockheed Martin	Lockheed Martin Corporation
MRL	Method Reporting Limit
$\mu g/m^3$	micrograms per cubic meter
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	tetrachloroethene
Report	Indoor Air Annual Monitoring Report
Site	Former Unisys Site
SSDS	sub-slab depressurization system
SSV	sub-slab vapor
SV	soil vapor
TCE	trichloroethene
VI	Vapor Intrusion
VOC	volatile organic compound
Work Plan	Indoor Air and Vapor Intrusion Monitoring Work Plan 2020-2021 Annual Monitoring

SECTION 1
INTRODUCTION

On behalf of Lockheed Martin Corporation (Lockheed Martin), AMEC E&E, PC (AMEC) has prepared this Indoor Air Annual Monitoring Report (Report) for the 2021 monitoring program for the LA Fitness building located at 1111 Marcus Avenue in Lake Success, New York.

The active LA Fitness Sub-Slab Depressurization System (SSDS) was installed in January 2019 to address the potential for soil vapor intrusion (VI) to impact the indoor air (IA) quality in the northwest portion of the LA Fitness building. The active LA Fitness SSDS consists of two extraction points (EPs), EP-C5F and EP-E2F (refer to **Figure 1**), each with roof-top mounted extraction blowers that are controlled from a single control panel. Further information on the LA Fitness active SSDS is provided in the *LA Fitness Northwest Portion Sub-Slab Depressurization System Commissioning Technical Memorandum* (AMEC, 2019). In September 2020, the extracted SSV results indicated TCE concentrations in the range of 40-50 $\mu g/m^3$.

Beginning on December 1, 2020, the LA Fitness SSDS was operated with only the EP-E2F blower turned up to maximum speed, due to an unresolved mechanical failure of the EP-C5F blower. The one blower was able to maintain sub slab vacuums as designed. EP-C5F was replaced on January 20, 2021 and normal operation was resumed. This report is intended to characterize the indoor air quality of the area outside of the LA Fitness active SSDS radius of influence.

In 2010, a passive venting system was constructed in the unused partial basement sealed off from the LA Fitness Building. This system consists of a vent pipe and an air inlet pipe, which penetrate the limited basement area along the south/central portion of this building and extends above the roof. A wind turbine located on the top of the exhaust pipe allows for suctioning of the basement air, thereby exhausting the basement air to the building exterior and introducing fresh air into the basement through the air inlet pipe. The inlet pipe also extends above the roof bringing ambient air into the basement area.

This Report details the 2020/2021 heating season IA sampling event conducted in December 2020 and completed in accordance with the New York Department of Environmental Conservation (NYSDEC)-approved *Indoor Air and Vapor Intrusion Monitoring Work Plan 2020-2021 Annual Monitoring* (Work Plan) (AMEC, 2020). The following information is presented in this report:

1. Discussion of December 2020 IA sampling activities and laboratory analytical results;
2. Tables presenting December 2020 IA and ambient sampling locations and analytical data;
3. Data Usability Summary Report (DUSR);
4. Copies of Property Owner and Tenant letters presenting the results of the December 2020 IA sampling event; and
5. Presentation and discussion of the results of the December 2020 IA results (along with ambient sampling results), including assessment and comparison to New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006, 2017).

The following activities encountered during the December 2020 sampling event may have affected the analytical results.

- Parts of the LA Fitness building have been under construction since August 2019. Most recently, LA Fitness underwent extensive renovation activities during the spring and summer of 2020. This included new flooring, installation of turf, and installation of new exercise equipment. It is suspected that these renovations resulted in detectable levels of acetone, 2-butanone, and other minor detectable chemicals observed in extraction point sampling in June and September 2020. Acetone remains elevated in indoor air, but concentrations have decreased since the March 2020 indoor air sampling event.
- Enhanced cleaning methods employed due to COVID-19 are suspected to have produced elevated levels of isopropyl alcohol in extraction point sampling in September and indoor air sampling in December.

This report will provide further discussions on the potential influences of the use and presence of these substances.

SECTION 2
SITE DESCRIPTION AND SITE HISTORY

2.1 SITE DESCRIPTION

The former Unisys Site (Site) occupies 90 acres that includes the main former manufacturing building and attached office building and three smaller buildings located south of the main building including the former foundry converted to a fitness center (the LA Fitness building), Powerhouse, and the former maintenance garage (a portion of which currently houses the equipment for the SSDS covering the main building and the garage [Main SSDS]). **Figure 1** shows the sampled IA locations within the LA Fitness building .

2.2 REGULATORY BACKGROUND

The NYSDOH revised their soil vapor (SV)/IA Decision Matrices, which were originally published in 2006, in May 2017. The November 2017 and March 2018 results indicated that based on the comparisons of IA and sub-slab vapor (SSV) data to the revised mitigation threshold for trichloroethene (TCE), mitigation was required in the northwest portion of the LA Fitness building.

2.3 PREVIOUS VAPOR INTRUSION SAMPLING

VI investigations began in 2007 at the LA Fitness building with a collection of SSV and IA samples. In 2008, samples were collected from the LA Fitness basement. The SSV sampling results indicated the presence of low levels of volatile organic compounds (VOCs) in the basement space (ARCADIS, 2008). In 2010, a passive venting system was installed for the basement area to reduce the likelihood of SSV entering the occupied building.

In 2015, the NYSDEC requested the installation of additional SSV monitoring points at LA Fitness to finalize site closure activities. The results of eight co-located IA and SSV samples collected before and after temporary shutdown of the passive SSDS were compared. This rebound analysis suggested that the passive SSDS should be kept operational in the unused partial basement of the LA Fitness building. On February 8, 2016, 11 SSV, 12 IA, one basement air, one ambient air, and four duplicate samples were collected from the LA Fitness building to evaluate concentrations of

VOCs present in IA and SSV. Based on these results, reduced VI monitoring was recommended for the 2017/2018 heating season in an email from NYSDEC and NYSDOH dated May 13, 2016.

Subsequent to that recommendation, the NYSDOH updated the SV/IA Decision Matrices in May 2017 (NYSDOH, 2017). The updates included lower mitigation threshold values for SSV. Lockheed Martin provided an addendum to the 2017 sampling event that included installation of six new sub-slab vapor monitoring points (Tetra Tech, 2017). The six new SSV sampling locations were sampled along with four pre-existing sampling locations in November 2017. No IA samples were collected as part of the November 2017 sampling event. Results of the 2017 supplemental sampling event indicated four SSV locations with TCE levels above the new 2017 mitigation threshold of 60 micrograms per cubic meter ($\mu g/m^3$); SS-D3F, SS-E2F, SS-C7F, and SS-D5F.

During a March 2018 sampling event, TCE results for SS-D3F and SS-D5F were above the mitigation threshold; the result for SS-C7F was below the threshold; and SS-E2F was not sampled. Analytical results consistently higher than the new 2017 mitigation threshold for SSV necessitated the installation of the LA Fitness active SSDS in the northwestern portion of the building.

The March 2019 sampling event was completed following the commissioning and start-up of the LA Fitness SSDS. TCE was not detected in any IA or ambient air samples at or above the detection limit collected during the 2019 SSV and IA sampling event. Tetrachloroethene (PCE) was detected in all eleven IA samples. The detections of PCE in IA ranged from an estimated concentration of 0.22 $\mu g/m^3$ to 0.33 $\mu g/m^3$, all of which are below the NYSDOH indoor air mitigation thresholds. Carbon tetrachloride and methylene chloride were detected in multiple IA samples and the ambient air sample. The NYSDOH Matrix A/B/C determination for these analytes was No Further Action. PCE results for SSV location SS-D13F and SS-C20F were elevated (greater than 100 $\mu g/m^3$), but below criteria for mitigation. Based upon IA sample results for these locations, the Matrix A/B/C Determination was No Further Action. TCE results for SSV location SS-D13F remained elevated (greater than 6 $\mu g/m^3$), but below criteria for mitigation. Based upon the IA sample results for this location, the Matrix A/B/C Determination was No Further Action.

Based upon the results of the 2019 vapor intrusion sampling and ongoing operations of the LA Fitness SSDS, the NYSDEC and the NYSDOH approved discontinuing SSV sampling and modifying the VI annual monitoring to include IA sampling only in areas not mitigated by the LA

Fitness SSDS, to confirm that exposures are not occurring in the other parts of the building not influenced by the current active SSDS.

SECTION 3
SAMPLING METHODOLOGY

3.1 INDOOR AIR SAMPLING

The IA and ambient air samples were collected consistent with the NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006, 2017) and the approved Work Plan (AMEC, 2020).

Samples were collected on December 10, 2020 while the LA Fitness SSDS and passive venting system were in operation using SUMMA canisters equipped with flow controllers set to fill over an 8-hour period. As shown on **Figure 1**, nine IA samples from areas (outside of the influence of the LA Fitness SSDS and two duplicate IA samples were collected from the LA Fitness building. Additionally, one basement IA sample (IA-12) and one ambient air sample (AA-01) were collected during the sampling event. The unoccupied basement sample (IA-12), which is a restricted access area, was sampled by attaching a section of new plastic tubing to the flow controller and lowering the end of the tubing three feet through a hole in the steel plate that is placed over the stairwell to the basement. Refer to **Table 1** for a list of samples collected.

Samples were submitted to ALS Environmental located in Simi Valley, California for analysis of VOCs by United States Environmental Protection Agency Method TO-15A. Data were reviewed and a DUSR was completed based on the NYSDEC Division of Environmental Remediation Guidance (NYSDEC, 2010). The DUSR is included in **Appendix A**. The sampling results are in compliance with required reporting limits for compounds included in the Department of Health Matrices A and B (NYSDOH, 2017).

Copies of the sampling logs are included in **Appendix B**.

SECTION 4
SUMMARY OF RESULTS

Results of the 2020/2021 heating season IA sampling event in LA Fitness are presented in **Table 2,** and results for analytes included in the NYSDHOH SV/IA matrices are shown on **Figure 1.**

The following is a summary of the December 2020 LA Fitness IA results for analytes included in the NYSDOH SV/IA matrices:

Analyte	NYSDOH Matrices A,B,C IA Value[1] µg/m³	NYSDOH IA Guideline Value µg/m³	December 2020 Ambient Air Result µg/m³	March 2020 Indoor Air Results µg/m³	Maximum December 2020 Indoor Air Results µg/m³
1,1,1-Trichloroethane	10	Not Applicable	<0.93	<1.0	<0.90
1,1-Dichloroethene	1	Not Applicable	<0.20	<0.21	<0.19
Carbon Tetrachloride	1	Not Applicable	0.36	0.34 to 0.41	0.36 to 0.38
cis-1,2-Dichloroethene	1	Not Applicable	<0.20	<0.21	<0.19
Methylene Chloride	10	60[2]	0.42 J	1.2 to 3.3	0.32 J to 0.56 J
Tetrachloroethene	10	30[3]	<0.93[5]	0.17 J to 0.53 J	0.099 J to 0.20 J
Trichloroethene	1	2[4]	<0.20	<0.19 to 0.44	<0.15 to <0.19
Vinyl Chloride	0.2	Not Applicable	<0.20	<0.21	<0.19

Notes:

1. NYSDOH Matrices Indoor Air Value presented is value that would trigger the following action: "identify source(s) and resample or mitigate". Sub-slab vapor samples were previously demonstrated to be below the lowest concentration threshold in the matrices (AMEC, 2019) and based on NYSDEC and NYSDOH input, were not re-sampled in 2020 in accordance with the work plan (AMEC, 2019).
2. New York State Department of Health Tenant Notification Fact Sheet for Dichloromethane, January 2014.
3. Tetrachloroethene (PERC) in Indoor Air and Outdoor Air, September 2013 Fact Sheet, prepared by the Bureau of Toxic Substances Assessment, New York State Department of Health.
4. Trichloroethene (TCE) in Indoor and Outdoor Air, August 2015 Fact Sheet, prepared by the Bureau of Toxic Substances Assessment, New York State Department of Health.
5. All tetrachloroethene detections in March and December columns have a "J" qualifier so they are estimated values above the method detection limit but below the method reporting limit. The ambient air results did not have any detections above the method detection limit, therefore the method reporting limit is listed per convention.
6. "Indoor Air Results" do not include the basement sample result (IA-12), which is not subject to NYSDOH guidelines as this area is sealed off and not occupied.

1,1,1-Trichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, and vinyl chloride were not detected in any of the samples collected.

During the December 2020 IA sampling event, TCE was only detected in one IA sample: the unoccupied basement sample (IA-12), at a concentration of 0.32 ug/m^3. The detection limit of TCE results in IA ranged from 0.15 to 0.18 µg/m^3 in samples collected from ground level locations. TCE was not detected in the indoor air samples above the NYSDOH Air Guideline Value (AGV) of 2 ug/m^3.

PCE was detected in five of the IA samples as well as in the unoccupied basement sample. The detections of PCE in IA ranged from estimated concentrations of 0.099 to 0.20 µg/m^3 in samples collected from ground level locations. PCE was not detected in the indoor air samples above the AGV of 30 ug/m^3.

Carbon tetrachloride was detected in all IA samples as well as in the ambient air sample and the unoccupied basement sample. The detections of carbon tetrachloride in IA ranged from estimated concentrations of 0.36 to 0.38 µg/m^3 in the samples collected from the ground level locations. Carbon tetrachloride was detected in the ambient air sample at similar concentration.

Methylene chloride was detected in all IA samples as well as in the ambient air. The detections of methylene chloride in IA ranged from estimated concentrations of 0.32 to 0.56 µg/m^3 in the samples collected from the ground level locations. The concentrations of methylene chloride in IA samples were similar to the concentration in the ambient air sample.

Isopropyl alcohol detections of between 57 and 130 µg/m^3 were measured in the indoor air. This is a common disinfectant used in hand sanitizer and cleaning fluids, which are likely being used in increased quantities by the fitness center for cleaning and disinfection.

LA Fitness underwent renovation activities during the spring and summer of 2020. This included new flooring, installation of turf, and installation of new exercise equipment. The results of some of the air sample analyses may include traces of these construction-related products. These may include chemicals such as acetone, acetic acid (methyl ester), 1,1-difluoroethane (aka: Freon 152a), 1,4-dioxane, 2-propanol (aka: isopropyl alcohol), 2-butanone (aka: MEK), carbon disulfide, chloroform, toluene, and xylenes, which were detected in the IA samples at concentrations greater

than the accompanying ambient air sample results. Products were observed in the building that contained some of these substances (see product inventory form included in **Appendix B**).

No indoor air samples were collected from areas of the active SSDS radius of influence. While the EP-C5F blower was offline, the EP-E2F blower vacuum was increased to compensate. Differential pressure monitoring in the active SSDS area determined that the EP-E2F blower vacuum increase was sufficient to maintain vacuum within regulatory criteria, maintaining indoor air quality in this area. The indoor air samples IA-G5F and IA-E10F closest to the LA Fitness active SSDS had VOC concentrations comparable to all other IA samples, and previous samples at those locations.

The property owner and tenant (LA Fitness) were notified of the results; refer to the letters in **Appendix C**.

SECTION 5
CONCLUSIONS AND RECOMMENDATIONS

The purpose of the December 2020 IA sampling at the LA Fitness Building was to 1) assess the effectiveness of the passive venting system in reducing VOC concentrations in the unused partial basement; and 2) evaluate the potential for VI into IA within the remaining areas of the building that are not under active mitigation.

The LA Fitness SSDS has been installed and was operating consistent with the NYSDEC-approved design until December 1, 2020 when the EP-C5F blower malfunctioned. The remaining EP-E2F blower flow and vacuum were increased. Differential pressure monitoring in the active SSDS area determined that the EP-E2F blower vacuum increase was sufficient to maintain vacuum within regulatory criteria, maintaining indoor air quality in this area. Routine quarterly differential pressure monitoring indicates a differential pressure of at least -0.004 inches of water column is being maintained under the concrete floor slab throughout the northwest portion area identified as requiring mitigation, and the performance is reported to the NYSDEC on a quarterly basis. Supplementary differential pressure monitoring during EP-C5F downtime confirmed continued differential pressure compliance. EP-C5F was replaced on January 20, 2021 and normal operation was resumed.

Key conclusions of the December 2020 VI sampling are as follows:

1. 1,1,1-Trichloroethane, 1,1-dichloroethene, carbon tetrachloride, cis-1,2-dichloroethene, methylene chloride, and vinyl chloride detections were within typical background levels. TCE and PCE detections were below the NYSDOH Air Guideline Values of 2 ug/m^3 and 30 ug/m^3, respectively.

2. The passive venting system continues to operate as designed.

3. There were no detections from indoor air samples of NYSDOH regulated compounds that deviated significantly from the ambient air sample results.

4. LA Fitness underwent continued renovation activities during the spring and summer of 2020. This included new flooring, installation of turf, and installation of new exercise equipment. The results of some of the air sample analyses may include traces of some of the components of these construction related products. These include chemicals such as acetone, acetic acid (methyl ester), 1,1-difluoroethane (aka: Freon 152a), 1,4-dioxane, 2-

propanol (aka: isopropyl alcohol), 2-butanone (aka: MEK), carbon disulfide, chloroform, toluene, and xylenes, which were detected in the indoor air samples at concentrations greater than the accompanying ambient air sample results. None of these chemicals are regulated by NYSDOH.

5. During the December sampling event, detections of isopropyl alcohol between 57 and 130 ug/m^3 were measured in the indoor air. AMEC believes that the isopropyl alcohol detections are related to the use of COVID-19 disinfectants.

6. IA concentrations have remained consistently below criteria. All concentrations remained non-detect or decreased between March 2020 and December 2020 IA sampling events.

7. IA sampling will occur again during the 2021/2022 heating season. The sampling locations and procedures will be described in a 2021 Work Plan which will be reviewed and approved by NYSDEC and NYSDOH in advance of the 2021/2022 heating season.

SECTION 6
REFERENCES

AMEC, 2020 Vapor Intrusion Monitoring Work Plan 2020-2021 Annual Monitoring, Former Unisys Facility - LA Fitness Building, New York (NYSDEC Site ID# 130045), October.

_____, 2019 LA Fitness Northwest Portion Sub-Slab Depressurization System Commissioning Technical Memorandum, Former Unisys Facility – Great Neck, Lake Success, New York (NYSDEC Site ID# 130045), April.

_____, 2019 Final Sub-Slab Vapor, Indoor Air and Vapor Intrusion Monitoring Work Plan 2019, Former Unisys Facility – Great Neck, Lake Success, New York (NYSDEC Site ID# 130045), February.

_____, 2018 LA Fitness (Northwest Portion) Sub-Slab Depressurization System Design, Former Unisys Facility, Lake Success, New York, NYSDEC Site ID #130045, December.

ARCADIS. 2008. Vapor Intrusion Sampling Report and Sampling Work Plan. Former Unisys Corporation, Great Neck, New York, NYSDEC Site No. 130045. December.

New York State Department of Environmental Conservation (NYSDEC), 2010 DER-10, Technical Guidance for Site Investigation and Remediation, Division of Environmental Remediation, May.

New York State Department of Health (NYSDOH), 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October.

_____, 2017 Updates to Soil Vapor/Indoor Air Decision Matrices, May.

Tetra Tech, 2017 Additional Soil Vapor and Vapor Intrusion Monitoring Point Installation and Vapor Monitoring Work Plan, Former Unisys Facility, Lake Success, New York, September.

FIGURES

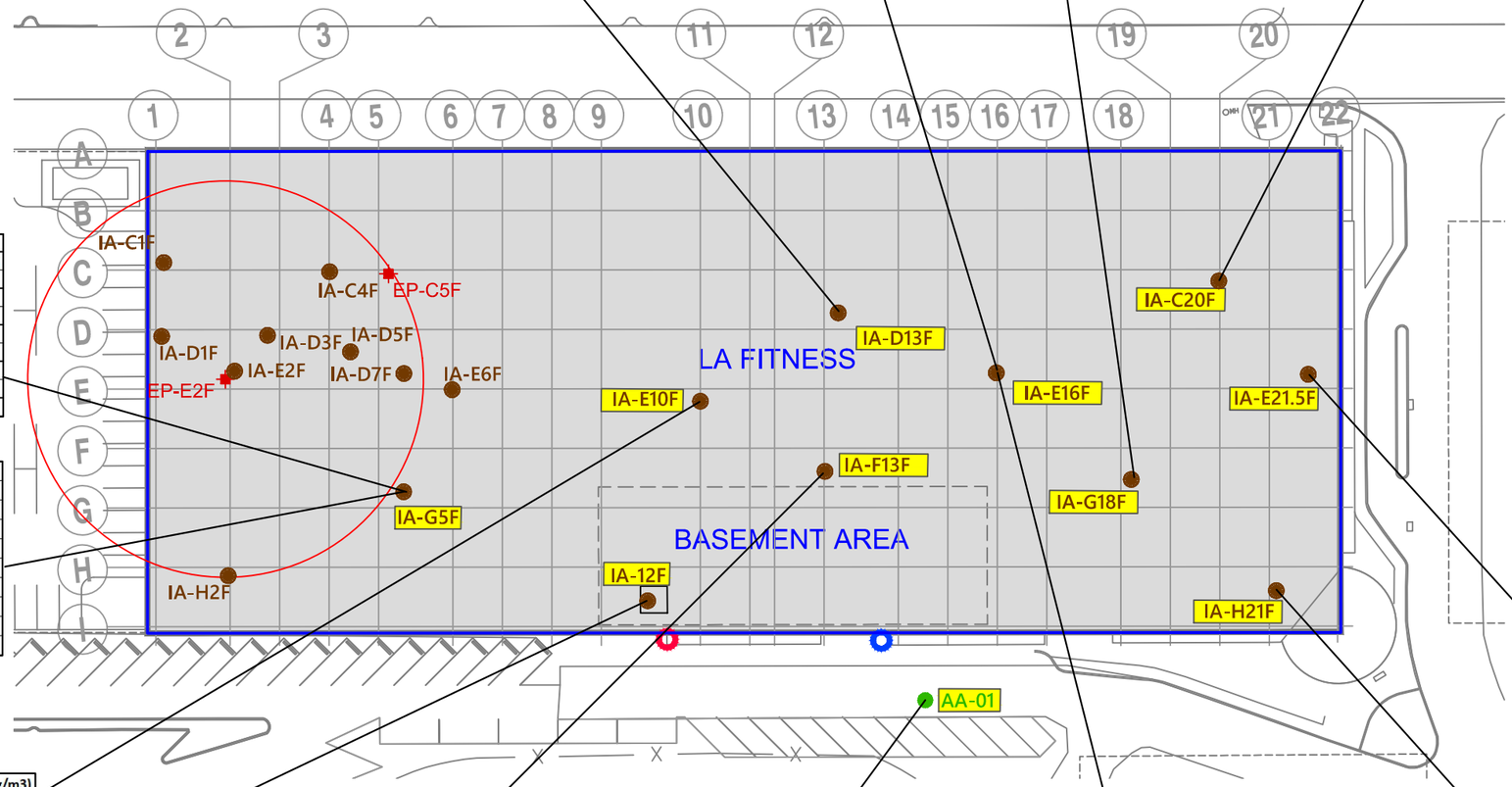
Figure 1 December 2020 Indoor and Ambient Air VI Sampling Results-LA Fitness

Analyte	Result (ug/m3) IA-D13
1,1,1-Trichloroethane	0.75 U
1,1-Dichloroethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.56 J
Tetrachloroethene	0.2 J
Trichloroethene	0.16 U
Vinyl chloride	0.16 U

Analyte	Result (ug/m3) IA-DUP-2 (IA-E16F)
1,1,1-Trichloroethane	0.9 U
1,1-Dichloroethene	0.19 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.19 U
Methylene chloride	0.39 J
Tetrachloroethene	0.9 U
Trichloroethene	0.19 U
Vinyl chloride	0.19 U

Analyte	Result (ug/m3) IA-G18
1,1,1-Trichloroethane	0.83 U
1,1-Dichloroethene	0.18 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.18 U
Methylene chloride	0.33 J
Tetrachloroethene	0.83 U
Trichloroethene	0.18 U
Vinyl chloride	0.18 U

Analyte	Result (ug/m3) IA-C20
1,1,1-Trichloroethane	0.79 U
1,1-Dichloroethene	0.17 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.35 J
Tetrachloroethene	0.79 U
Trichloroethene	0.17 U
Vinyl chloride	0.17 U



Analyte	Result (ug/m3) IA-DUP-1 (IA-G5F)
1,1,1-Trichloroethane	0.73 U
1,1-Dichloroethene	0.15 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.15 U
Methylene chloride	0.32 J
Tetrachloroethene	0.73 U
Trichloroethene	0.15 U
Vinyl chloride	0.15 U

Analyte	Result (ug/m3) IA-G5
1,1,1-Trichloroethane	0.75 U
1,1-Dichloroethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.33 J
Tetrachloroethene	0.12 J
Trichloroethene	0.16 U
Vinyl chloride	0.16 U

Analyte	Result (ug/m3) IA-E10
1,1,1-Trichloroethane	0.79 U
1,1-Dichloroethene	0.17 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.32 J
Tetrachloroethene	0.79 U
Trichloroethene	0.17 U
Vinyl chloride	0.17 U

Analyte	Result (ug/m3) IA-12F
1,1,1-Trichloroethane	0.79 U
1,1-Dichloroethene	0.17 U
Carbon tetrachloride	0.32
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.79 U
Tetrachloroethene	0.23 J
Trichloroethene	0.32
Vinyl chloride	0.17 U

Analyte	Result (ug/m3) IA-F13
1,1,1-Trichloroethane	0.76 U
1,1-Dichloroethene	0.16 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.32 J
Tetrachloroethene	0.76 U
Trichloroethene	0.16 U
Vinyl chloride	0.16 U

Analyte	Result (ug/m3) AA-01
1,1,1-Trichloroethane	0.93 U
1,1-Dichloroethene	0.2 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.2 U
Methylene chloride	0.42 U
Tetrachloroethene	0.93 U
Trichloroethene	0.2 U
Vinyl chloride	0.2 U

Analyte	Result (ug/m3) IA-E16
1,1,1-Trichloroethane	0.75 U
1,1-Dichloroethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.33 J
Tetrachloroethene	0.099 J
Trichloroethene	0.16 U
Vinyl chloride	0.16 U

Analyte	Result (ug/m3) IA-H21
1,1,1-Trichloroethane	0.8 U
1,1-Dichloroethene	0.17 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.32 J
Tetrachloroethene	0.12 J
Trichloroethene	0.17 U
Vinyl chloride	0.17 U

Analyte	Result (ug/m3) IA-E21.5F
1,1,1-Trichloroethane	0.73 U
1,1-Dichloroethene	0.15 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.15 U
Methylene chloride	0.32 J
Tetrachloroethene	0.1 J
Trichloroethene	0.15 U
Vinyl chloride	0.15 U

LEGEND

- IA-H21F — INDOOR AIR SAMPLE LOCATION
- EP-C5F — ACTIVE EXTRACTION POINT
- 80 - FOOT RADIUS OF INFLUENCE
- PASSIVE VENT EXHAUST
- PASSIVE VENT INLET
- AA-01 — AMBIENT AIR SAMPLE LOCATION
- DENOTES LOCATIONS SAMPLED IN 2020

NOTES:

1. U = NOT DETECTED AT THE REPORTED DETECTION LIMIT.
   J = ESTIMATED VALUE.
   R= DATA IS REJECTED.
2. SAMPLE LOCATION IA-12F IS WITHIN THE SEALED AND UNOCCUPIED BASEMENT AREA.
3. EP-C5F WAS OFFLINE FROM 12/01/20 TO 01/21/21. EP-E2F VACUUM WAS INCREASED FROM 13 IN. WC TO 21 IN. WC DURING THIS PERIOD.

0 60 120
SCALE IN FEET

TITLE: **DECEMBER 2020 INDOOR AND AMBIENT AIR VI SAMPLING RESULTS LA FITNESS**

LOCATION: **Former Unisys Site, Lake Success, New York**

amec

APPROVED	EAW
DRAFTED	BRT
PROJECT#	117-0507644
DATE	02/22/21

FIGURE 1

FILE NAME: T:\LOCKHEED\GREAT NECK\LA Fitness SSDS\SV Monitoring Work Plan\Figure 1 - DECEMBER 2020 VI SAMPLING RESULTS LA Fitness.dwg PLOT DATE: Mon, 22 Feb 2021 PLOT TIME: 2:27 PM

TABLES

Table 1 Summary of Indoor Air Samples for the LA Fitness Facility
Table 2 December 2020 - LA Fitness Indoor Air Sampling Results

TABLE 1

Summary of Sub-Slab Vapor and Indoor Air Samples for the LA Fitness Facility
Former Unisys Site, Lake Success, New York

Location	Sample Type and Sample ID		
	Indoor Air	Duplicate	Ambient
IA-G5F	IA-G5	IA-DUP-1	
IA-E10F	IA-E10		
IA-D13F	IA-D13		
IA-F13F	IA-F13		
IA-E16F	IA-E16	IA-DUP-2	
IA-G18F	IA-G18		
IA-C20F	IA-C20		
IA-E21.5F	IA-E21.5		
IA-H21F	IA-H21		
IA-12F	IA-12		
AA			AA-01
NUMBER OF SAMPLES	**10**	**2**	**1**
TOTAL NUMBER OF SAMPLES			**13**

Prepared by: ZRP
Approved by: L.Shields

TABLE 2

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	AA-01				IA-12				IA-C20				IA-D13				IA-DUP-1				IA-DUP-2				IA-E10			
Sample Location	**Ambient Air**				**Indoor Air**				**Indoor Air**				**Indoor Air**				**Indoor Air Duplicate, IA-G5F**				**Indoor Air Duplicate, IA-E16F**				**Indoor Air**			
Lab Sample ID	P2006972-011				P2006972-010				P2006972-007				P2006972-003				P2006972-012				P2006972-013				P2006972-002			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.78				1.52				1.52				1.45				1.4				1.74				1.52			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																												
1,1,1-Trichloroethane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
1,1,2,2-Tetrachloroethane	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.1	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.49	J	0.14	0.94	0.5	J	0.12	0.81	0.49	J	0.12	0.81	0.51	J	0.11	0.77	0.49	J	0.11	0.74	0.49	J	0.13	0.92	0.52	J	0.12	0.81
1,1,2-Trichloroethane	0.93	U	0.096	0.93	0.79	U	0.082	0.79	0.79	U	0.082	0.79	0.75	U	0.078	0.75	0.73	U	0.076	0.73	0.9	U	0.094	0.9	0.79	U	0.082	0.79
1,1-Dichloroethane	0.96	U	0.14	0.96	0.82	U	0.12	0.82	0.82	U	0.12	0.82	0.78	U	0.11	0.78	0.76	U	0.11	0.76	0.94	U	0.14	0.94	0.82	U	0.12	0.82
1,1-Dichloroethene	0.2	U	0.13	0.2	0.17	U	0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.11	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17
1,2,4-Trichlorobenzene	1.8	U	0.23	1.8	1.5	U	0.2	1.5	1.5	U	0.2	1.5	1.5	U	0.19	1.5	1.4	U	0.18	1.4	1.7	U	0.23	1.7	1.5	U	0.2	1.5
1,2,4-Trimethylbenzene	0.18	J	0.13	0.93	0.79	U	0.11	0.79	0.39	J	0.11	0.79	0.35	J	0.11	0.75	0.36	J	0.1	0.73	0.42	J	0.13	0.9	0.35	J	0.11	0.79
1,2-Dibromo-3-chloropropane	1.8	U	0.18	1.8	1.5	U	0.15	1.5	1.5	U	0.15	1.5	1.5	U	0.15	1.5	1.4	U	0.14	1.4	1.7	U	0.17	1.7	1.5	U	0.15	1.5
1,2-Dibromoethane	0.93	U	0.11	0.93	0.79	U	0.094	0.79	0.79	U	0.094	0.79	0.75	U	0.09	0.75	0.73	U	0.087	0.73	0.9	U	0.11	0.9	0.79	U	0.094	0.79
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.93	U	0.15	0.93	0.79	U	0.13	0.79	0.79	U	0.13	0.79	0.75	U	0.12	0.75	0.73	U	0.12	0.73	0.9	U	0.15	0.9	0.79	U	0.13	0.79
1,2-Dichlorobenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.14	0.92	0.81	U	0.12	0.81
1,2-Dichloroethane	0.93	U	0.11	0.93	0.79	U	0.09	0.79	0.79	U	0.09	0.79	0.75	U	0.086	0.75	0.73	U	0.083	0.73	0.9	U	0.1	0.9	0.79	U	0.09	0.79
1,2-Dichloroethene (total)	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
1,2-Dichloropropane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
1,3,5-Trimethylbenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.13	0.92	0.81	U	0.12	0.81
1,3-Butadiene	0.93	U	0.16	0.93	0.79	U	0.13	0.79	0.79	U	0.13	0.79	0.75	U	0.13	0.75	0.25	J	0.12	0.73	0.9	U	0.15	0.9	0.79	U	0.13	0.79
1,3-Dichlorobenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.12	0.77	0.74	U	0.11	0.74	0.92	U	0.14	0.92	0.81	U	0.12	0.81
1,4-Dichlorobenzene	0.93	U	0.15	0.93	0.79	U	0.12	0.79	0.26	J	0.12	0.79	0.15	J	0.12	0.75	0.25	J	0.11	0.73	0.9	U	0.14	0.9	0.27	J	0.12	0.79
1,4-Dioxane	0.93	U	0.11	0.93	0.4	J	0.096	0.79	1.6		0.096	0.79	0.75	U	0.091	0.75	3	J	0.088	0.73	0.16	J	0.11	0.9	0.31	J	0.096	0.79
2-Butanone	0.28	J	0.2	1.8	2.9		0.17	1.5	1	J	0.17	1.5	0.56	J	0.16	1.5	2		0.15	1.4	1.3	J	0.19	1.7	0.57	J	0.17	1.5
2-Hexanone	1.8	U	0.12	1.8	1.5	U	0.1	1.5	0.22	J	0.1	1.5	1.5	U	0.096	1.5	0.44	J	0.092	1.4	0.2	J	0.11	1.7	1.5	U	0.1	1.5
2-Propanol	1.2	J	0.39	1.8	0.69	J	0.33	1.5	100		0.33	1.5	87		0.32	1.5	99		0.31	1.4	93		0.38	1.7	130		0.33	1.5
4-Ethyltoluene	0.94	U	0.15	0.94	0.81	U	0.13	0.81	0.81	U	0.13	0.81	0.77	U	0.12	0.77	0.74	U	0.12	0.74	0.92	U	0.15	0.92	0.81	U	0.13	0.81
4-Methyl-2-pentanone	1.8	U	0.13	1.8	1.5	U	0.11	1.5	0.26	J	0.11	1.5	0.17	J	0.11	1.5	5.2	J	0.1	1.4	0.25	J	0.13	1.7	0.23	J	0.11	1.5
Acetic acid, methyl ester	0.89	U	0.43	0.89	0.76	U	0.36	0.76	0.85		0.36	0.76	0.78		0.35	0.73	1.2		0.34	0.7	0.75	J	0.42	0.87	0.85		0.36	0.76
Acetone	3.1	J	2.1	9.3	18		1.8	7.9	29		1.8	7.9	24		1.7	7.5	34		1.7	7.3	29		2.1	9	29		1.8	7.9
Allyl chloride	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.1	0.73	0.9	U	0.13	0.9	0.79	U	0.11	0.79
Benzene	0.55	J	0.14	0.93	0.94		0.12	0.79	0.78	J	0.12	0.79	0.76		0.11	0.75	0.75		0.11	0.73	0.91		0.13	0.9	0.74	J	0.12	0.79
Bromodichloromethane	0.93	U	0.14	0.93	0.79	U	0.12	0.79	0.17	J	0.12	0.79	0.18	J	0.11	0.75	0.12	J	0.11	0.73	0.17	J	0.13	0.9	0.16	J	0.12	0.79
Bromoform	0.94	U	0.2	0.94	0.81	U	0.17	0.81	0.81	U	0.17	0.81	0.77	U	0.16	0.77	0.74	U	0.15	0.74	0.92	U	0.19	0.92	0.81	U	0.17	0.81
Bromomethane	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.11	0.75	0.73	U	0.1	0.73	0.9	U	0.13	0.9	0.79	U	0.11	0.79
Carbon disulfide	1.8	U	0.28	1.8	12		0.24	1.5	0.24	J	0.24	1.5	1.5	U	0.23	1.5	1.8	J	0.22	1.4	1.3	J	0.28	1.7	0.67	J	0.24	1.5
Carbon tetrachloride	0.36		0.13	0.18	0.32		0.11	0.15	0.38		0.11	0.15	0.37		0.11	0.15	0.36		0.1	0.14	0.36		0.13	0.17	0.37		0.11	0.15
Chlorobenzene	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.099	0.73	0.9	U	0.12	0.9	0.79	U	0.11	0.79
Chlorodifluoromethane	0.49	J	0.45	0.89	0.49	J	0.38	0.76	0.61	J	0.38	0.76	0.57	J	0.36	0.73	0.49	J	0.35	0.7	0.54	J	0.44	0.87	0.57	J	0.38	0.76
Chloroethane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
Chloroform	0.94	U	0.13	0.94	2.6		0.11	0.81	1.8		0.11	0.81	1.9		0.1	0.77	1.2		0.099	0.74	1.7		0.12	0.92	1.8		0.11	0.81
Chloromethane	0.19	J	0.15	0.93	0.79	U	0.13	0.79	0.26	J	0.13	0.79	0.23	J	0.12	0.75	0.21	J	0.12	0.73	0.2	J	0.15	0.9	0.22	J	0.13	0.79
cis-1,2-Dichloroethene	0.2	U	0.13	0.2	0.17	U	0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.11	0.16	0.15	U	0.11	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17
cis-1,3-Dichloropropene	0.94	U	0.15	0.94	0.81	U	0.13	0.81	0.81	U	0.13	0.81	0.77	U	0.12	0.77	0.74	U	0.12	0.74	0.92	U	0.14	0.92	0.81	U	0.13	0.81
Cyclohexane	1.8	U	0.27	1.8	1.5	U	0.23	1.5	1.5	U	0.23	1.5	0.22	J	0.22	1.5	1.4	U	0.21	1.4	0.35	J	0.26	1.7	1.5	U	0.23	1.5
Dibromochloromethane	0.93	U	0.12	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.098	0.73	0.9	U	0.12	0.9	0.79	U	0.11	0.79
Dichlorodifluoromethane	2.3		0.15	0.93	2.3		0.13	0.79	2.3		0.13	0.79	2.3		0.13	0.75	2.3		0.12	0.73	2.3		0.15	0.9	2.3		0.13	0.79
Difluoroethane	0.89	U	0.46	0.89	0.89		0.4	0.76	2.3		0.4	0.76	0.67	J	0.38	0.73	0.42	J	0.36	0.7	0.9		0.45	0.87	0.66	J	0.4	0.76
Ethylbenzene	0.15	J	0.13	0.93	0.79	U	0.11	0.79	0.27	J	0.11	0.79	0.25	J	0.11	0.75	0.22	J	0.11	0.73	0.32	J	0.13	0.9	0.27	J	0.11	0.79
Freon 115	0.89	U	0.41	0.89	0.76	U	0.35	0.76	0.76	U	0.35	0.76	0.73	U	0.33	0.73	0.7	U	0.32	0.7	0.87	U	0.4	0.87	0.76	U	0.35	0.76
Freon 123	0.89	U	0.43	0.89	0.76	U	0.36	0.76	0.76	U	0.36	0.76	0.73	U	0.35	0.73	0.7	U	0.34	0.7	0.87	U	0.42	0.87	0.76	U	0.36	0.76
Hexachlorobutadiene	0.93	U	0.2	0.93	0.79	U	0.17	0.79	0.79	U	0.17	0.79	0.75	U	0.16	0.75	0.73	U	0.15	0.73	0.9	U	0.19	0.9	0.79	U	0.17	0.79
Hexane	0.38	J	0.2	0.93	0.47	J	0.17	0.79	0.48	J	0.17	0.79	0.61	J	0.16	0.75	0.44	J	0.15	0.73	1.1		0.19	0.9	0.47	J	0.17	0.79
Isopropylbenzene	0.93	U	0.14	0.93	0.79	U	0.12	0.79	0.79	U	0.12	0.79	0.75	U	0.11	0.75	0.73	U	0.11	0.73	0.9	U	0.13	0.9	0.79	U	0.12	0.79
Methyl cyclohexane	0.89	U	0.46	0.89	0.76	U	0.4	0.76	0.76	U	0.4	0.76	0.73	U	0.38	0.73	0.7	U	0.36	0.7	0.87	U	0.45	0.87	0.76	U	0.4	0.76
Methyl Tertbutyl Ether	0.93	U	0.11	0.93	0.79	U	0.096	0.79	0.79	U	0.096	0.79	0.75	U	0.091	0.75	0.73	U	0.088	0.73	0.9	U	0.11	0.9	0.79	U	0.096	0.79
Methylene chloride	0.42	J	0.27	0.93	0.79	U	0.23	0.79	0.35	J	0.23	0.79	0.56	J	0.22	0.75	0.32	J	0.21	0.73	0.39	J	0.26	0.9	0.32	J	0.23	0.79
Styrene	0.93	U	0.15	0.93	0.79	U	0.13	0.79	0.21	J	0.13	0.79	0.13	J	0.12	0.75	0.19	J	0.12	0.73	0.21	J	0.15	0.9	0.2	J	0.13	0.79
Tetrachloroethene	0.93	U	0.12	0.93	0.23	J	0.1	0.79	0.79	U	0.1	0.79	0.2	J	0.1	0.75	0.73	U	0.097	0.73	0.9	U	0.12	0.9	0.79	U	0.1	0.79
Toluene	0.77	J	0.12	0.93	0.26	J	0.099	0.79	1.3		0.099	0.79	1.7		0.094	0.75	1.1		0.091	0.73	1.6		0.11	0.9	1.5		0.099	0.79
trans-1,2-Dichloroethene	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.1	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
trans-1,3-Dichloropropene	0.91	U	0.2	0.91	0.78	U	0.17	0.78	0.78	U	0.17	0.78	0.74	U	0.16	0.74	0.71	U	0.15	0.71	0.89	U	0.19	0.89	0.78	U	0.17	0.78
Trichloroethene	0.2	U	0.13	0.2	0.32		0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17

TABLE 2

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	AA-01				IA-12				IA-C20				IA-D13				IA-DUP-1				IA-DUP-2				IA-E10			
Sample Location	**Ambient Air**				**Indoor Air**				**Indoor Air**				**Indoor Air**				**Indoor Air Duplicate, IA-G5F**				**Indoor Air Duplicate, IA-E16F**				**Indoor Air**			
Lab Sample ID	P2006972-011				P2006972-010				P2006972-007				P2006972-003				P2006972-012				P2006972-013				P2006972-002			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.78				1.52				1.52				1.45				1.4				1.74				1.52			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																												
Trichlorofluoromethane	1.2		0.14	0.91	1.2		0.12	0.78	1.2		0.12	0.78	1.2		0.12	0.74	1.1		0.11	0.71	1.1		0.14	0.89	1.2		0.12	0.78
Vinyl chloride	0.2	U	0.1	0.2	0.17	U	0.087	0.17	0.17	U	0.087	0.17	0.16	U	0.083	0.16	0.15	U	0.08	0.15	0.19	U	0.099	0.19	0.17	U	0.087	0.17
Xylene, o	0.18	J	0.14	0.94	0.81	U	0.12	0.81	0.36	J	0.12	0.81	0.32	J	0.11	0.77	0.28	J	0.11	0.74	0.39	J	0.13	0.92	0.33	J	0.12	0.81
Xylenes (m&p)	0.45	J	0.25	1.8	1.5	U	0.21	1.5	0.89	J	0.21	1.5	0.8	J	0.2	1.5	0.75	J	0.2	1.4	0.98	J	0.24	1.7	0.84	J	0.21	1.5

J: Estimated Value

U : Analyte was analyzed for but not detected.

Q: Qualifier

MDL: Method Detection Limit

MRL: Method Reporting Limit

TABLE 2

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	IA-E16				IA-E21.5				IA-F13				IA-G18				IA-G5				IA-H21			
Sample Location	Indoor Air				Indoor Air				Indoor Air				Indoor Air				Indoor Air				Indoor Air			
Lab Sample ID	P2006972-005				P2006972-008				P2006972-004				P2006972-006				P2006972-001				P2006972-009			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.44				1.4				1.47				1.6				1.45				1.54			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
1,1,1-Trichloroethane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.75	U	0.096	0.75	0.8	U	0.1	0.8
1,1,2,2-Tetrachloroethane	0.76	U	0.11	0.76	0.74	U	0.1	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.11	0.82
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5	J	0.11	0.76	0.51	J	0.11	0.74	0.52	J	0.11	0.78	0.51	J	0.12	0.85	0.5	J	0.11	0.77	0.51	J	0.12	0.82
1,1,2-Trichloroethane	0.75	U	0.078	0.75	0.73	U	0.076	0.73	0.76	U	0.079	0.76	0.83	U	0.086	0.83	0.75	U	0.078	0.75	0.8	U	0.083	0.8
1,1-Dichloroethane	0.78	U	0.11	0.78	0.76	U	0.11	0.76	0.79	U	0.11	0.79	0.86	U	0.12	0.86	0.78	U	0.11	0.78	0.83	U	0.12	0.83
1,1-Dichloroethene	0.16	U	0.11	0.16	0.15	U	0.1	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.11	0.16	0.17	U	0.11	0.17
1,2,4-Trichlorobenzene	1.4	U	0.19	1.4	1.4	U	0.18	1.4	1.5	U	0.19	1.5	1.6	U	0.21	1.6	1.5	U	0.19	1.5	1.5	U	0.2	1.5
1,2,4-Trimethylbenzene	0.42	J	0.11	0.75	0.47	J	0.1	0.73	0.4	J	0.11	0.76	0.42	J	0.12	0.83	0.36	J	0.11	0.75	0.38	J	0.11	0.8
1,2-Dibromo-3-chloropropane	1.4	U	0.14	1.4	1.4	U	0.14	1.4	1.5	U	0.15	1.5	1.6	U	0.16	1.6	1.5	U	0.15	1.5	1.5	U	0.15	1.5
1,2-Dibromoethane	0.75	U	0.089	0.75	0.73	U	0.087	0.73	0.76	U	0.091	0.76	0.83	U	0.099	0.83	0.75	U	0.09	0.75	0.8	U	0.095	0.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.75	U	0.12	0.75	0.73	U	0.12	0.73	0.76	U	0.12	0.76	0.83	U	0.13	0.83	0.75	U	0.12	0.75	0.8	U	0.13	0.8
1,2-Dichlorobenzene	0.76	U	0.11	0.76	0.74	U	0.11	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.11	0.77	0.82	U	0.12	0.82
1,2-Dichloroethane	0.75	U	0.085	0.75	0.73	U	0.083	0.73	0.76	U	0.087	0.76	0.83	U	0.094	0.83	0.75	U	0.086	0.75	0.8	U	0.091	0.8
1,2-Dichloroethene (total)	0.76	U	0.11	0.76	0.74	U	0.11	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.12	0.82
1,2-Dichloropropane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.75	U	0.096	0.75	0.8	U	0.1	0.8
1,3,5-Trimethylbenzene	0.12	J	0.11	0.76	0.14	J	0.11	0.74	0.11	J	0.11	0.78	0.85	U	0.12	0.85	0.13	J	0.11	0.77	0.82	U	0.12	0.82
1,3-Butadiene	0.75	U	0.13	0.75	0.73	U	0.12	0.73	0.76	U	0.13	0.76	0.83	U	0.14	0.83	0.75	U	0.13	0.75	0.8	U	0.14	0.8
1,3-Dichlorobenzene	0.76	U	0.12	0.76	0.74	U	0.11	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.12	0.77	0.82	U	0.12	0.82
1,4-Dichlorobenzene	0.26	J	0.12	0.75	0.17	J	0.11	0.73	0.28	J	0.12	0.76	0.29	J	0.13	0.83	0.17	J	0.12	0.75	0.27	J	0.13	0.8
1,4-Dioxane	0.75	U	0.091	0.75	0.097	J	0.088	0.73	0.11	J	0.093	0.76	0.83	U	0.1	0.83	0.59	J	0.091	0.75	0.8	U	0.097	0.8
2-Butanone	0.6	J	0.16	1.4	1.3	J	0.15	1.4	0.68	J	0.16	1.5	0.55	J	0.18	1.6	1.5		0.16	1.5	0.61	J	0.17	1.5
2-Hexanone	0.098	J	0.095	1.4	1.4	U	0.092	1.4	1.5	U	0.097	1.5	1.6	U	0.11	1.6	0.29	J	0.096	1.5	1.5	U	0.1	1.5
2-Propanol	97		0.32	1.4	57		0.31	1.4	110		0.32	1.5	99		0.35	1.6	98		0.32	1.5	130		0.34	1.5
4-Ethyltoluene	0.76	U	0.12	0.76	0.12	J	0.12	0.74	0.78	U	0.12	0.78	0.85	U	0.14	0.85	0.77	U	0.12	0.77	0.82	U	0.13	0.82
4-Methyl-2-pentanone	0.23	J	0.11	1.4	0.58	J	0.1	1.4	0.21	J	0.11	1.5	0.17	J	0.12	1.6	0.34	J	0.11	1.5	0.22	J	0.11	1.5
Acetic acid, methyl ester	0.86		0.35	0.72	0.79		0.34	0.7	0.87		0.35	0.74	0.8		0.38	0.8	1.2		0.35	0.73	0.91		0.37	0.77
Acetone	27		1.7	7.5	17		1.7	7.3	29		1.8	7.6	25		1.9	8.3	33		1.7	7.5	27		1.8	8
Allyl chloride	0.75	U	0.1	0.75	0.73	U	0.1	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Benzene	0.86		0.11	0.75	1.2		0.11	0.73	0.75	J	0.11	0.76	0.99		0.12	0.83	0.73	J	0.11	0.75	0.76	J	0.12	0.8
Bromodichloromethane	0.17	J	0.11	0.75	0.73	U	0.11	0.73	0.17	J	0.11	0.76	0.18	J	0.12	0.83	0.11	J	0.11	0.75	0.15	J	0.12	0.8
Bromoform	0.76	U	0.16	0.76	0.74	U	0.15	0.74	0.78	U	0.16	0.78	0.85	U	0.18	0.85	0.77	U	0.16	0.77	0.82	U	0.17	0.82
Bromomethane	0.75	U	0.11	0.75	0.73	U	0.1	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.11	0.75	0.8	U	0.11	0.8
Carbon disulfide	1.4	U	0.23	1.4	0.58	J	0.22	1.4	0.86	J	0.24	1.5	1.6	U	0.26	1.6	6.4	J	0.23	1.5	0.66	J	0.25	1.5
Carbon tetrachloride	0.37		0.11	0.14	0.38		0.1	0.14	0.36		0.11	0.15	0.37		0.12	0.16	0.37		0.11	0.15	0.38		0.11	0.15
Chlorobenzene	0.75	U	0.1	0.75	0.73	U	0.099	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Chlorodifluoromethane	0.53	J	0.36	0.72	0.73		0.35	0.7	0.53	J	0.37	0.74	0.59	J	0.4	0.8	0.43	J	0.36	0.73	0.61	J	0.39	0.77
Chloroethane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.12	J	0.096	0.75	0.8	U	0.1	0.8
Chloroform	1.8		0.1	0.76	0.99		0.099	0.74	1.8		0.1	0.78	1.7		0.11	0.85	1.2		0.1	0.77	1.8		0.11	0.82
Chloromethane	0.2	J	0.12	0.75	0.17	J	0.12	0.73	0.22	J	0.13	0.76	0.22	J	0.14	0.83	0.2	J	0.12	0.75	0.24	J	0.13	0.8
cis-1,2-Dichloroethene	0.16	U	0.11	0.16	0.15	U	0.11	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.11	0.16	0.17	U	0.12	0.17
cis-1,3-Dichloropropene	0.76	U	0.12	0.76	0.74	U	0.12	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.12	0.77	0.82	U	0.13	0.82
Cyclohexane	0.3	J	0.22	1.4	0.29	J	0.21	1.4	1.5	U	0.22	1.5	0.35	J	0.24	1.6	1.5	U	0.22	1.5	1.5	U	0.23	1.5
Dibromochloromethane	0.75	U	0.1	0.75	0.73	U	0.098	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Dichlorodifluoromethane	2.3		0.13	0.75	2.3		0.12	0.73	2.4		0.13	0.76	2.3		0.14	0.83	2.3		0.13	0.75	2.3		0.13	0.8
Difluoroethane	0.75		0.37	0.72	0.53	J	0.36	0.7	0.66	J	0.38	0.74	1.9		0.42	0.8	0.73	U	0.38	0.73	0.9		0.4	0.77
Ethylbenzene	0.29	J	0.11	0.75	0.32	J	0.11	0.73	0.29	J	0.11	0.76	0.31	J	0.12	0.83	0.4	J	0.11	0.75	0.25	J	0.12	0.8
Freon 115	0.72	U	0.33	0.72	0.7	U	0.32	0.7	0.74	U	0.34	0.74	0.8	U	0.37	0.8	0.73	U	0.33	0.73	0.77	U	0.35	0.77
Freon 123	0.72	U	0.35	0.72	0.7	U	0.34	0.7	0.74	U	0.35	0.74	0.8	U	0.38	0.8	0.73	U	0.35	0.73	0.77	U	0.37	0.77
Hexachlorobutadiene	0.75	U	0.16	0.75	0.73	U	0.15	0.73	0.76	U	0.16	0.76	0.83	U	0.18	0.83	0.75	U	0.16	0.75	0.8	U	0.17	0.8
Hexane	0.89		0.16	0.75	0.98		0.15	0.73	0.51	J	0.16	0.76	1.1		0.18	0.83	0.51	J	0.16	0.75	0.52	J	0.17	0.8
Isopropylbenzene	0.75	U	0.11	0.75	0.73	U	0.11	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.11	0.75	0.8	U	0.12	0.8
Methyl cyclohexane	0.4	J	0.37	0.72	0.42	J	0.36	0.7	0.74	U	0.38	0.74	0.49	J	0.42	0.8	0.73	U	0.38	0.73	0.77	U	0.4	0.77
Methyl Tertbutyl Ether	0.75	U	0.091	0.75	0.73	U	0.088	0.73	0.76	U	0.093	0.76	0.83	U	0.1	0.83	0.75	U	0.091	0.75	0.8	U	0.097	0.8
Methylene chloride	0.33	J	0.22	0.75	0.32	J	0.21	0.73	0.32	J	0.22	0.76	0.33	J	0.24	0.83	0.33	J	0.22	0.75	0.32	J	0.23	0.8
Styrene	0.19	J	0.12	0.75	0.43	J	0.12	0.73	0.19	J	0.13	0.76	0.2	J	0.14	0.83	0.75	U	0.12	0.75	0.16	J	0.13	0.8
Tetrachloroethene	0.099	J	0.099	0.75	0.1	J	0.097	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.12	J	0.1	0.75	0.12	J	0.11	0.8
Toluene	1.6		0.094	0.75	1.5		0.091	0.73	1.3		0.096	0.76	1.7		0.1	0.83	1.3		0.094	0.75	1.3		0.1	0.8
trans-1,2-Dichloroethene	0.76	U	0.11	0.76	0.74	U	0.1	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.11	0.82
trans-1,3-Dichloropropene	0.73	U	0.16	0.73	0.71	U	0.15	0.71	0.75	U	0.16	0.75	0.82	U	0.18	0.82	0.74	U	0.16	0.74	0.79	U	0.17	0.79
Trichloroethene	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.1	0.16	0.17	U	0.11	0.17

TABLE 2

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	**IA-E16**				**IA-E21.5**				**IA-F13**				**IA-G18**				**IA-G5**				**IA-H21**			
Sample Location	**Indoor Air**				**Indoor Air**				**Indoor Air**				**Indoor Air**				**Indoor Air**				**Indoor Air**			
Lab Sample ID	P2006972-005				P2006972-008				P2006972-004				P2006972-006				P2006972-001				P2006972-009			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.44				1.4				1.47				1.6				1.45				1.54			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
Trichlorofluoromethane	1.2		0.12	0.73	1.2		0.11	0.71	1.2		0.12	0.75	1.2		0.13	0.82	1.2		0.12	0.74	1.2		0.12	0.79
Vinyl chloride	0.16	U	0.082	0.16	0.15	U	0.08	0.15	0.16	U	0.084	0.16	0.18	U	0.091	0.18	0.16	U	0.083	0.16	0.17	U	0.088	0.17
Xylene, o	0.37	J	0.11	0.76	0.39	J	0.11	0.74	0.33	J	0.11	0.78	0.37	J	0.12	0.85	0.36	J	0.11	0.77	0.33	J	0.12	0.82
Xylenes (m&p)	0.92	J	0.2	1.4	0.96	J	0.2	1.4	0.85	J	0.21	1.5	0.97	J	0.22	1.6	0.92	J	0.2	1.5	0.81	J	0.22	1.5

J: Estimated Value

U : Analyte was analyzed for but not detected.

Q: Qualifier

MDL: Method Detection Limit

MRL: Method Reporting Limit

Appendices

APPENDIX A - DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

1.0 INTRODUCTION

Vapor samples were collected at the Lockheed Martin Corporation Former Unisys Facility -- Great Neck Site in December of 2020 and submitted to ALS Environmental located in Simi Valley, California (ALS) for analysis. Samples were analyzed by the following method:

- Volatile Organic Compounds (VOCs) by USEPA Method TO-15

A Data Usability Summary Report (DUSR) review was completed based on the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation guidance (NYSDEC, 2010). Sample event information included in this DUSR is presented in the following Tables:

- Table 1 – Summary of Samples and Analytical Method
- Table 2 – Summary of Analytical Results
- Table 3 – Summary of Qualification Actions

A summary of table notes applicable to Tables 1, 2, and 3 is presented just before Table 1.

Laboratory deliverables included:

- Category B deliverables as defined in the NYSDEC Analytical Services Protocols (NYSDEC, 2005).

The DUSR review included the following evaluations as applicable. A table of the project control limits is presented in Attachment A. Applicable laboratory QC summary forms are included in Attachment B to document QC outliers associated with qualification actions.

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- Instrument Calibration (report narrative/lab-qualifier evaluation)
- QC Blanks
- Laboratory Control Samples (LCS)
- Surrogate Spikes (if applicable)
- Field Duplicates
- Target Analyte Identification and Quantitation

- Raw Data (chromatograms), Calculation Checks and Transcription Verifications
- Reporting Limits
- Electronic Data Qualification and Verification

Data qualification actions are applied when necessary based on general procedures in USEPA validation guidelines (USEPA, 2016) and the judgment of the project chemist. The following laboratory qualifiers are used in the final data presentation:

U = target analyte is not detected above the reported detection limit
J = concentration is estimated

Results are interpreted to be usable as reported by the laboratory or as qualified in the following sections.

2.0 POTENTIAL DATA LIMITATIONS

Based on the DUSR review, the majority of data meet the data quality objectives; however, the following potential limitations were identified:

The results for carbon disulfide, 4-methyl-2-pentanone, and 1,4-dioxane in sample IA-G5 and field duplicate IA-DUP-1 were qualified estimated (J) based on relative percent differences that exceed project limits. Qualified results are included in Table 3 with reason code FD.

3.0 ADDITIONAL QC EXCEEDANCES AND OBSERVATIONS

There were no other additional observations or quality control exceedances not specifically addressed above (Section 2.0).

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; June 2005.

NYSDEC, 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

USEPA, 2016. “Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15”; HW-31, Revision 6; Hazardous Waste Support Section; September 2016.

Data Validator: Amber Jones January 13, 2021

Reviewed by: Julie Ricardi January 22, 2021

Standard Table Notes:

Sample Type (QC Code)

FS – field sample

FD – field duplicate

TB – trip blank

EB – equipment blank

FB – field blank

Matrix

GW – ground water

BW – blank water

TW – tap water

SV – soil vapor

SED - sediment

Units

mg/L – milligrams per liter

ng/L – nanograms per liter

µg/L – micrograms per liter

mg/kg – milligrams per kilogram

µg/kg – micrograms per kilogram

µg/m^3 – micrograms per cubic meter

Qualifiers

U – not detected above quantitation limit

J – estimated quantity

J+ - estimated quantity, biased high

J- - estimated quantity, biased low

R – data unusable

Fraction

T – total

D – dissolved

N – normal

Qualification Reason Codes

BL1 – method blank qualifier

BL2 – field or trip blank qualifier

CCV – continuing calibration verification recovery outside limits

CCV%D – continuing calibration verification percent difference exceeds goal

CCVRRF – continuing calibration relative response factor low

CI – chromatographic interference present

DCPD – dual column percent difference exceeds limit

E – result exceeds calibration range

FD – field duplicate precision goal exceeded

FP – false positive interference

HT – holding time for prep or analysis exceeded

HTG – holding time for prep or analysis grossly exceeded

ICV – initial calibration verification recovery outside limit

ICVRRF – initial calibration verification relative response factor low

ICVRSD – initial calibration verification % relative standard deviation exceeds goal

ISH – internal standard response greater than limit

ISL – internal standard response less than limit

LCSH – laboratory control sample recovery high

LCSL – laboratory control sample recovery low

LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded

LD – lab duplicate precision goal exceeded

MSH – matrix spike and/or MS duplicate recovery high

MSL – matrix spike and/or MS duplicate recovery low

MSRPD – matrix spike/duplicate relative % difference precision goal exceeded

N – analyte identification is not certain

PEM – performance evaluation mixture exceeds limit

PM – sample percent moisture exceeds EPA guideline

SD – serial dilution result exceeds percent difference limit

SP – sample preservation/collection does not meet method requirement

SSH – surrogate recovery high

SSL – surrogate recovery low

TD – dissolved concentration exceeds total

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

						Method Class	VOCs
						Analysis Method	EPA TO-15
SDG	**Location**	**Field Sample ID**	**Sample Date**	**Media**	**Lab Sample ID**	**QC Code**	**Count**
P2006972	AA-01	AA-01	12/10/2020	AIR	P2006972-011	FS	64
P2006972	IA-12F	IA-12	12/10/2020	AIR	P2006972-010	FS	64
P2006972	IA-C20F	IA-C20	12/10/2020	AIR	P2006972-007	FS	64
P2006972	IA-D13F	IA-D13	12/10/2020	AIR	P2006972-003	FS	64
P2006972	IA-E10F	IA-E10	12/10/2020	AIR	P2006972-002	FS	64
P2006972	IA-E16F	IA-E16	12/10/2020	AIR	P2006972-005	FS	64
P2006972	IA-E21.5F	IA-E21.5	12/10/2020	AIR	P2006972-008	FS	64
P2006972	IA-G5F	IA-DUP-1	12/10/2020	AIR	P2006972-012	FD	64
P2006972	IA-F13F	IA-F13	12/10/2020	AIR	P2006972-004	FS	64
P2006972	IA-G18F	IA-G18	12/10/2020	AIR	P2006972-006	FS	64
P2006972	IA-G5F	IA-G5	12/10/2020	AIR	P2006972-001	FS	64
P2006972	IA-E16F	IA-DUP-2	12/10/2020	AIR	P2006972-013	FD	64
P2006972	IA-H21F	IA-H21	12/10/2020	AIR	P2006972-009	FS	64

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
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LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972		P2006972	
		Location	AA-01		IA-12F		IA-C20F		IA-D13F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020		12/10/2020	
		Sample ID	AA-01		IA-12		IA-C20		IA-D13	
		QC Code	FS		FS		FS		FS	
Method	Parameter	Unit	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	1,1,1-Trichloroethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,1,2,2-Tetrachloroethane	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3	0.49	J	0.5	J	0.49	J	0.51	J
EPA TO-15	1,1,2-Trichloroethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,1-Dichloroethane	UG/M3	0.96	U	0.82	U	0.82	U	0.78	U
EPA TO-15	1,1-Dichloroethene	UG/M3	0.2	U	0.17	U	0.17	U	0.16	U
EPA TO-15	1,1-Difluoroethane (Freon 152a)	UG/M3	0.89	U	0.89		2.3		0.67	J
EPA TO-15	1,2,4-Trichlorobenzene	UG/M3	1.8	U	1.5	U	1.5	U	1.5	U
EPA TO-15	1,2,4-Trimethylbenzene	UG/M3	0.18	J	0.79	U	0.39	J	0.35	J
EPA TO-15	1,2-Dibromo-3-chloropropane	UG/M3	1.8	U	1.5	U	1.5	U	1.5	U
EPA TO-15	1,2-Dibromoethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,2-Dichlorobenzene	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	1,2-Dichloroethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,2-Dichloroethene (total)	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	1,2-Dichloropropane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,3,5-Trimethylbenzene	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	1,3-Butadiene	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	1,3-Dichlorobenzene	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	1,4-Dichlorobenzene	UG/M3	0.93	U	0.79	U	0.26	J	0.15	J
EPA TO-15	1,4-Dioxane	UG/M3	0.93	U	0.4	J	1.6		0.75	U
EPA TO-15	2-Butanone	UG/M3	0.28	J	2.9		1	J	0.56	J
EPA TO-15	2-Hexanone	UG/M3	1.8	U	1.5	U	0.22	J	1.5	U
EPA TO-15	2-Propanol	UG/M3	1.2	J	0.69	J	100		87	
EPA TO-15	4-Ethyltoluene	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972		P2006972	
		Location	AA-01		IA-12F		IA-C20F		IA-D13F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020		12/10/2020	
		Sample ID	AA-01		IA-12		IA-C20		IA-D13	
		QC Code	FS		FS		FS		FS	
Method	Parameter	Unit	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	4-Methyl-2-pentanone	UG/M3	1.8	U	1.5	U	0.26	J	0.17	J
EPA TO-15	Acetic acid, methyl ester	UG/M3	0.89	U	0.76	U	0.85		0.78	
EPA TO-15	Acetone	UG/M3	3.1	J	18		29		24	
EPA TO-15	Allyl chloride	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Benzene	UG/M3	0.55	J	0.94		0.78	J	0.76	
EPA TO-15	Bromodichloromethane	UG/M3	0.93	U	0.79	U	0.17	J	0.18	J
EPA TO-15	Bromoform	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	Bromomethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Carbon disulfide	UG/M3	1.8	U	12		0.24	J	1.5	U
EPA TO-15	Carbon tetrachloride	UG/M3	0.36		0.32		0.38		0.37	
EPA TO-15	Chlorobenzene	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Chlorodifluoromethane	UG/M3	0.49	J	0.49	J	0.61	J	0.57	J
EPA TO-15	Chloroethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Chloroform	UG/M3	0.94	U	2.6		1.8		1.9	
EPA TO-15	Chloromethane	UG/M3	0.19	J	0.79	U	0.26	J	0.23	J
EPA TO-15	cis-1,2-Dichloroethene	UG/M3	0.2	U	0.17	U	0.17	U	0.16	U
EPA TO-15	cis-1,3-Dichloropropene	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	Cyclohexane	UG/M3	1.8	U	1.5	U	1.5	U	0.22	J
EPA TO-15	Dibromochloromethane	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Dichlorodifluoromethane	UG/M3	2.3		2.3		2.3		2.3	
EPA TO-15	Ethylbenzene	UG/M3	0.15	J	0.79	U	0.27	J	0.25	J
EPA TO-15	Freon 115	UG/M3	0.89	U	0.76	U	0.76	U	0.73	U
EPA TO-15	Freon 123	UG/M3	0.89	U	0.76	U	0.76	U	0.73	U
EPA TO-15	Hexachlorobutadiene	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Hexane	UG/M3	0.38	J	0.47	J	0.48	J	0.61	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972		P2006972	
		Location	AA-01		IA-12F		IA-C20F		IA-D13F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020		12/10/2020	
		Sample ID	AA-01		IA-12		IA-C20		IA-D13	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	Isopropylbenzene	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Methyl cyclohexane	UG/M3	0.89	U	0.76	U	0.76	U	0.73	U
EPA TO-15	Methyl Tertbutyl Ether	UG/M3	0.93	U	0.79	U	0.79	U	0.75	U
EPA TO-15	Methylene chloride	UG/M3	0.42	J	0.79	U	0.35	J	0.56	J
EPA TO-15	Styrene	UG/M3	0.93	U	0.79	U	0.21	J	0.13	J
EPA TO-15	Tetrachloroethene	UG/M3	0.93	U	0.23	J	0.79	U	0.2	J
EPA TO-15	Toluene	UG/M3	0.77	J	0.26	J	1.3		1.7	
EPA TO-15	trans-1,2-Dichloroethene	UG/M3	0.94	U	0.81	U	0.81	U	0.77	U
EPA TO-15	trans-1,3-Dichloropropene	UG/M3	0.91	U	0.78	U	0.78	U	0.74	U
EPA TO-15	Trichloroethene	UG/M3	0.2	U	0.32		0.17	U	0.16	U
EPA TO-15	Trichlorofluoromethane	UG/M3	1.2		1.2		1.2		1.2	
EPA TO-15	Vinyl chloride	UG/M3	0.2	U	0.17	U	0.17	U	0.16	U
EPA TO-15	Xylene, o	UG/M3	0.18	J	0.81	U	0.36	J	0.32	J
EPA TO-15	Xylenes (m&p)	UG/M3	0.45	J	1.5	U	0.89	J	0.8	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972		P2006972	
		Location	IA-E10F		IA-E16F		IA-E16F		IA-E21.5F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020		12/10/2020	
		Sample ID	IA-E10		IA-DUP-2		IA-E16		IA-E21.5	
		QC Code	FS		FD		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	1,1,1-Trichloroethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,1,2,2-Tetrachloroethane	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3	0.52	J	0.49	J	0.5	J	0.51	J
EPA TO-15	1,1,2-Trichloroethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,1-Dichloroethane	UG/M3	0.82	U	0.94	U	0.78	U	0.76	U
EPA TO-15	1,1-Dichloroethene	UG/M3	0.17	U	0.19	U	0.16	U	0.15	U
EPA TO-15	1,1-Difluoroethane (Freon 152a)	UG/M3	0.66	J	0.9		0.75		0.53	J
EPA TO-15	1,2,4-Trichlorobenzene	UG/M3	1.5	U	1.7	U	1.4	U	1.4	U
EPA TO-15	1,2,4-Trimethylbenzene	UG/M3	0.35	J	0.42	J	0.42	J	0.47	J
EPA TO-15	1,2-Dibromo-3-chloropropane	UG/M3	1.5	U	1.7	U	1.4	U	1.4	U
EPA TO-15	1,2-Dibromoethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,2-Dichlorobenzene	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	1,2-Dichloroethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,2-Dichloroethene (total)	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	1,2-Dichloropropane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,3,5-Trimethylbenzene	UG/M3	0.81	U	0.92	U	0.12	J	0.14	J
EPA TO-15	1,3-Butadiene	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	1,3-Dichlorobenzene	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	1,4-Dichlorobenzene	UG/M3	0.27	J	0.9	U	0.26	J	0.17	J
EPA TO-15	1,4-Dioxane	UG/M3	0.31	J	0.16	J	0.75	U	0.097	J
EPA TO-15	2-Butanone	UG/M3	0.57	J	1.3	J	0.6	J	1.3	J
EPA TO-15	2-Hexanone	UG/M3	1.5	U	0.2	J	0.098	J	1.4	U
EPA TO-15	2-Propanol	UG/M3	130		93		97		57	
EPA TO-15	4-Ethyltoluene	UG/M3	0.81	U	0.92	U	0.76	U	0.12	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
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LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972		P2006972	
		Location	IA-E10F		IA-E16F		IA-E16F		IA-E21.5F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020		12/10/2020	
		Sample ID	IA-E10		IA-DUP-2		IA-E16		IA-E21.5	
		QC Code	FS		FD		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	4-Methyl-2-pentanone	UG/M3	0.23	J	0.25	J	0.23	J	0.58	J
EPA TO-15	Acetic acid, methyl ester	UG/M3	0.85		0.75	J	0.86		0.79	
EPA TO-15	Acetone	UG/M3	29		29		27		17	
EPA TO-15	Allyl chloride	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Benzene	UG/M3	0.74	J	0.91		0.86		1.2	
EPA TO-15	Bromodichloromethane	UG/M3	0.16	J	0.17	J	0.17	J	0.73	U
EPA TO-15	Bromoform	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	Bromomethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Carbon disulfide	UG/M3	0.67	J	1.3	J	1.4	U	0.58	J
EPA TO-15	Carbon tetrachloride	UG/M3	0.37		0.36		0.37		0.38	
EPA TO-15	Chlorobenzene	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Chlorodifluoromethane	UG/M3	0.57	J	0.54	J	0.53	J	0.73	
EPA TO-15	Chloroethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Chloroform	UG/M3	1.8		1.7		1.8		0.99	
EPA TO-15	Chloromethane	UG/M3	0.22	J	0.2	J	0.2	J	0.17	J
EPA TO-15	cis-1,2-Dichloroethene	UG/M3	0.17	U	0.19	U	0.16	U	0.15	U
EPA TO-15	cis-1,3-Dichloropropene	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	Cyclohexane	UG/M3	1.5	U	0.35	J	0.3	J	0.29	J
EPA TO-15	Dibromochloromethane	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Dichlorodifluoromethane	UG/M3	2.3		2.3		2.3		2.3	
EPA TO-15	Ethylbenzene	UG/M3	0.27	J	0.32	J	0.29	J	0.32	J
EPA TO-15	Freon 115	UG/M3	0.76	U	0.87	U	0.72	U	0.7	U
EPA TO-15	Freon 123	UG/M3	0.76	U	0.87	U	0.72	U	0.7	U
EPA TO-15	Hexachlorobutadiene	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Hexane	UG/M3	0.47	J	1.1		0.89		0.98	

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972		P2006972	
		Location	IA-E10F		IA-E16F		IA-E16F		IA-E21.5F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020		12/10/2020	
		Sample ID	IA-E10		IA-DUP-2		IA-E16		IA-E21.5	
		QC Code	FS		FD		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	Isopropylbenzene	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Methyl cyclohexane	UG/M3	0.76	U	0.87	U	0.4	J	0.42	J
EPA TO-15	Methyl Tertbutyl Ether	UG/M3	0.79	U	0.9	U	0.75	U	0.73	U
EPA TO-15	Methylene chloride	UG/M3	0.32	J	0.39	J	0.33	J	0.32	J
EPA TO-15	Styrene	UG/M3	0.2	J	0.21	J	0.19	J	0.43	J
EPA TO-15	Tetrachloroethene	UG/M3	0.79	U	0.9	U	0.099	J	0.1	J
EPA TO-15	Toluene	UG/M3	1.5		1.6		1.6		1.5	
EPA TO-15	trans-1,2-Dichloroethene	UG/M3	0.81	U	0.92	U	0.76	U	0.74	U
EPA TO-15	trans-1,3-Dichloropropene	UG/M3	0.78	U	0.89	U	0.73	U	0.71	U
EPA TO-15	Trichloroethene	UG/M3	0.17	U	0.19	U	0.16	U	0.15	U
EPA TO-15	Trichlorofluoromethane	UG/M3	1.2		1.1		1.2		1.2	
EPA TO-15	Vinyl chloride	UG/M3	0.17	U	0.19	U	0.16	U	0.15	U
EPA TO-15	Xylene, o	UG/M3	0.33	J	0.39	J	0.37	J	0.39	J
EPA TO-15	Xylenes (m&p)	UG/M3	0.84	J	0.98	J	0.92	J	0.96	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972	
		Location	IA-F13F		IA-G18F		IA-G5F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020	
		Sample ID	IA-F13		IA-G18		IA-DUP-1	
		QC Code	FS		FS		FD	
Method	Parameter	Unit	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	1,1,1-Trichloroethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	1,1,2,2-Tetrachloroethane	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3	0.52	J	0.51	J	0.49	J
EPA TO-15	1,1,2-Trichloroethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	1,1-Dichloroethane	UG/M3	0.79	U	0.86	U	0.76	U
EPA TO-15	1,1-Dichloroethene	UG/M3	0.16	U	0.18	U	0.15	U
EPA TO-15	1,1-Difluoroethane (Freon 152a)	UG/M3	0.66	J	1.9		0.42	J
EPA TO-15	1,2,4-Trichlorobenzene	UG/M3	1.5	U	1.6	U	1.4	U
EPA TO-15	1,2,4-Trimethylbenzene	UG/M3	0.4	J	0.42	J	0.36	J
EPA TO-15	1,2-Dibromo-3-chloropropane	UG/M3	1.5	U	1.6	U	1.4	U
EPA TO-15	1,2-Dibromoethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	1,2-Dichlorobenzene	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	1,2-Dichloroethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	1,2-Dichloroethene (total)	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	1,2-Dichloropropane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	1,3,5-Trimethylbenzene	UG/M3	0.11	J	0.85	U	0.74	U
EPA TO-15	1,3-Butadiene	UG/M3	0.76	U	0.83	U	0.25	J
EPA TO-15	1,3-Dichlorobenzene	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	1,4-Dichlorobenzene	UG/M3	0.28	J	0.29	J	0.25	J
EPA TO-15	1,4-Dioxane	UG/M3	0.11	J	0.83	U	3	J
EPA TO-15	2-Butanone	UG/M3	0.68	J	0.55	J	2	
EPA TO-15	2-Hexanone	UG/M3	1.5	U	1.6	U	0.44	J
EPA TO-15	2-Propanol	UG/M3	110		99		99	
EPA TO-15	4-Ethyltoluene	UG/M3	0.78	U	0.85	U	0.74	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972	
		Location	IA-F13F		IA-G18F		IA-G5F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020	
		Sample ID	IA-F13		IA-G18		IA-DUP-1	
		QC Code	FS		FS		FD	
Method	Parameter	Unit	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	4-Methyl-2-pentanone	UG/M3	0.21	J	0.17	J	5.2	J
EPA TO-15	Acetic acid, methyl ester	UG/M3	0.87		0.8		1.2	
EPA TO-15	Acetone	UG/M3	29		25		34	
EPA TO-15	Allyl chloride	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Benzene	UG/M3	0.75	J	0.99		0.75	
EPA TO-15	Bromodichloromethane	UG/M3	0.17	J	0.18	J	0.12	J
EPA TO-15	Bromoform	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	Bromomethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Carbon disulfide	UG/M3	0.86	J	1.6	U	1.8	J
EPA TO-15	Carbon tetrachloride	UG/M3	0.36		0.37		0.36	
EPA TO-15	Chlorobenzene	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Chlorodifluoromethane	UG/M3	0.53	J	0.59	J	0.49	J
EPA TO-15	Chloroethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Chloroform	UG/M3	1.8		1.7		1.2	
EPA TO-15	Chloromethane	UG/M3	0.22	J	0.22	J	0.21	J
EPA TO-15	cis-1,2-Dichloroethene	UG/M3	0.16	U	0.18	U	0.15	U
EPA TO-15	cis-1,3-Dichloropropene	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	Cyclohexane	UG/M3	1.5	U	0.35	J	1.4	U
EPA TO-15	Dibromochloromethane	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Dichlorodifluoromethane	UG/M3	2.4		2.3		2.3	
EPA TO-15	Ethylbenzene	UG/M3	0.29	J	0.31	J	0.22	J
EPA TO-15	Freon 115	UG/M3	0.74	U	0.8	U	0.7	U
EPA TO-15	Freon 123	UG/M3	0.74	U	0.8	U	0.7	U
EPA TO-15	Hexachlorobutadiene	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Hexane	UG/M3	0.51	J	1.1		0.44	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972		P2006972	
		Location	IA-F13F		IA-G18F		IA-G5F	
		Sample Date	12/10/2020		12/10/2020		12/10/2020	
		Sample ID	IA-F13		IA-G18		IA-DUP-1	
		QC Code	FS		FS		FD	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	Isopropylbenzene	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Methyl cyclohexane	UG/M3	0.74	U	0.49	J	0.7	U
EPA TO-15	Methyl Tertbutyl Ether	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Methylene chloride	UG/M3	0.32	J	0.33	J	0.32	J
EPA TO-15	Styrene	UG/M3	0.19	J	0.2	J	0.19	J
EPA TO-15	Tetrachloroethene	UG/M3	0.76	U	0.83	U	0.73	U
EPA TO-15	Toluene	UG/M3	1.3		1.7		1.1	
EPA TO-15	trans-1,2-Dichloroethene	UG/M3	0.78	U	0.85	U	0.74	U
EPA TO-15	trans-1,3-Dichloropropene	UG/M3	0.75	U	0.82	U	0.71	U
EPA TO-15	Trichloroethene	UG/M3	0.16	U	0.18	U	0.15	U
EPA TO-15	Trichlorofluoromethane	UG/M3	1.2		1.2		1.1	
EPA TO-15	Vinyl chloride	UG/M3	0.16	U	0.18	U	0.15	U
EPA TO-15	Xylene, o	UG/M3	0.33	J	0.37	J	0.28	J
EPA TO-15	Xylenes (m&p)	UG/M3	0.85	J	0.97	J	0.75	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

			SDG	P2006972		P2006972	
			Location	IA-G5F		IA-H21F	
			Sample Date	12/10/2020		12/10/2020	
			Sample ID	IA-G5		IA-H21	
			QC Code	FS		FS	
Method	Parameter	Unit		Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	1,1,1-Trichloroethane	UG/M3		0.75	U	0.8	U
EPA TO-15	1,1,2,2-Tetrachloroethane	UG/M3		0.77	U	0.82	U
EPA TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3		0.5	J	0.51	J
EPA TO-15	1,1,2-Trichloroethane	UG/M3		0.75	U	0.8	U
EPA TO-15	1,1-Dichloroethane	UG/M3		0.78	U	0.83	U
EPA TO-15	1,1-Dichloroethene	UG/M3		0.16	U	0.17	U
EPA TO-15	1,1-Difluoroethane (Freon 152a)	UG/M3		0.73	U	0.9	
EPA TO-15	1,2,4-Trichlorobenzene	UG/M3		1.5	U	1.5	U
EPA TO-15	1,2,4-Trimethylbenzene	UG/M3		0.36	J	0.38	J
EPA TO-15	1,2-Dibromo-3-chloropropane	UG/M3		1.5	U	1.5	U
EPA TO-15	1,2-Dibromoethane	UG/M3		0.75	U	0.8	U
EPA TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3		0.75	U	0.8	U
EPA TO-15	1,2-Dichlorobenzene	UG/M3		0.77	U	0.82	U
EPA TO-15	1,2-Dichloroethane	UG/M3		0.75	U	0.8	U
EPA TO-15	1,2-Dichloroethene (total)	UG/M3		0.77	U	0.82	U
EPA TO-15	1,2-Dichloropropane	UG/M3		0.75	U	0.8	U
EPA TO-15	1,3,5-Trimethylbenzene	UG/M3		0.13	J	0.82	U
EPA TO-15	1,3-Butadiene	UG/M3		0.75	U	0.8	U
EPA TO-15	1,3-Dichlorobenzene	UG/M3		0.77	U	0.82	U
EPA TO-15	1,4-Dichlorobenzene	UG/M3		0.17	J	0.27	J
EPA TO-15	1,4-Dioxane	UG/M3		0.59	J	0.8	U
EPA TO-15	2-Butanone	UG/M3		1.5		0.61	J
EPA TO-15	2-Hexanone	UG/M3		0.29	J	1.5	U
EPA TO-15	2-Propanol	UG/M3		98		130	
EPA TO-15	4-Ethyltoluene	UG/M3		0.77	U	0.82	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972	
		Location	IA-G5F		IA-H21F	
		Sample Date	12/10/2020		12/10/2020	
		Sample ID	IA-G5		IA-H21	
		QC Code	FS		FS	
Method	Parameter	Unit	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	4-Methyl-2-pentanone	UG/M3	0.34	J	0.22	J
EPA TO-15	Acetic acid, methyl ester	UG/M3	1.2		0.91	
EPA TO-15	Acetone	UG/M3	33		27	
EPA TO-15	Allyl chloride	UG/M3	0.75	U	0.8	U
EPA TO-15	Benzene	UG/M3	0.73	J	0.76	J
EPA TO-15	Bromodichloromethane	UG/M3	0.11	J	0.15	J
EPA TO-15	Bromoform	UG/M3	0.77	U	0.82	U
EPA TO-15	Bromomethane	UG/M3	0.75	U	0.8	U
EPA TO-15	Carbon disulfide	UG/M3	6.4	J	0.66	J
EPA TO-15	Carbon tetrachloride	UG/M3	0.37		0.38	
EPA TO-15	Chlorobenzene	UG/M3	0.75	U	0.8	U
EPA TO-15	Chlorodifluoromethane	UG/M3	0.43	J	0.61	J
EPA TO-15	Chloroethane	UG/M3	0.12	J	0.8	U
EPA TO-15	Chloroform	UG/M3	1.2		1.8	
EPA TO-15	Chloromethane	UG/M3	0.2	J	0.24	J
EPA TO-15	cis-1,2-Dichloroethene	UG/M3	0.16	U	0.17	U
EPA TO-15	cis-1,3-Dichloropropene	UG/M3	0.77	U	0.82	U
EPA TO-15	Cyclohexane	UG/M3	1.5	U	1.5	U
EPA TO-15	Dibromochloromethane	UG/M3	0.75	U	0.8	U
EPA TO-15	Dichlorodifluoromethane	UG/M3	2.3		2.3	
EPA TO-15	Ethylbenzene	UG/M3	0.4	J	0.25	J
EPA TO-15	Freon 115	UG/M3	0.73	U	0.77	U
EPA TO-15	Freon 123	UG/M3	0.73	U	0.77	U
EPA TO-15	Hexachlorobutadiene	UG/M3	0.75	U	0.8	U
EPA TO-15	Hexane	UG/M3	0.51	J	0.52	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

		SDG	P2006972		P2006972	
		Location	IA-G5F		IA-H21F	
		Sample Date	12/10/2020		12/10/2020	
		Sample ID	IA-G5		IA-H21	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
EPA TO-15	Isopropylbenzene	UG/M3	0.75	U	0.8	U
EPA TO-15	Methyl cyclohexane	UG/M3	0.73	U	0.77	U
EPA TO-15	Methyl Tertbutyl Ether	UG/M3	0.75	U	0.8	U
EPA TO-15	Methylene chloride	UG/M3	0.33	J	0.32	J
EPA TO-15	Styrene	UG/M3	0.75	U	0.16	J
EPA TO-15	Tetrachloroethene	UG/M3	0.12	J	0.12	J
EPA TO-15	Toluene	UG/M3	1.3		1.3	
EPA TO-15	trans-1,2-Dichloroethene	UG/M3	0.77	U	0.82	U
EPA TO-15	trans-1,3-Dichloropropene	UG/M3	0.74	U	0.79	U
EPA TO-15	Trichloroethene	UG/M3	0.16	U	0.17	U
EPA TO-15	Trichlorofluoromethane	UG/M3	1.2		1.2	
EPA TO-15	Vinyl chloride	UG/M3	0.16	U	0.17	U
EPA TO-15	Xylene, o	UG/M3	0.36	J	0.33	J
EPA TO-15	Xylenes (m&p)	UG/M3	0.92	J	0.81	J

TABLE 3 - SUMMARY OF QUALIFICATION ACTIONS
DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

SDG	Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
P2006972	EPA TO-15	P2006972-012	IA-DUP-1	1,4-Dioxane	3		3	J	FD	UG/M3
P2006972	EPA TO-15	P2006972-012	IA-DUP-1	4-Methyl-2-pentanone	5.2		5.2	J	FD	UG/M3
P2006972	EPA TO-15	P2006972-012	IA-DUP-1	Carbon disulfide	1.8		1.8	J	FD	UG/M3
P2006972	EPA TO-15	P2006972-001	IA-G5	1,4-Dioxane	0.59	J	0.59	J	FD	UG/M3
P2006972	EPA TO-15	P2006972-001	IA-G5	4-Methyl-2-pentanone	0.34	J	0.34	J	FD	UG/M3
P2006972	EPA TO-15	P2006972-001	IA-G5	Carbon disulfide	6.4		6.4	J	FD	UG/M3

ATTACHMENT A
SUMMARY OF VALIDATION QC LIMITS FOR SURROGATES, SPIKES, AND DUPLICATES
BASED ON THE REGION 2 VALIDATION GUIDELINES

PARAMETER	QC TEST	ANALYTE	AIR (%R)	AIR (RPD)
Volatiles TO-15	Surrogate	All Surrogate Compounds	Lab Limits	
	LCS	All Target Compounds	70 - 130	
	Field Duplicate	All Target Compounds		50

Notes:
LCS - Laboratory Control Sample
RPD = Relative percent difference
%R = percent recovery
QC Limits are based on USEPA Region II Data Validation Guidelines and Project QA/QC Objectives
Surrogates for air samples are not specified in the Region II Data Validation Guidelines (2016)

DATA USABILITY SUMMARY REPORT
LA FITNESS DECEMBER 2020 SAMPLING
LOCKHEED MARTIN CORPORATION
FORMER UNISYS FACILITY -- GREAT NECK
LAKE SUCCESS, NEW YORK

ATTACHMENT B

VOCs in Air

NYSDEC DUSR PROJECT CHEMIST REVIEW RECORD
Project: LMC Great Neck SVI/LAF
Method : TO-15
Laboratory and SDG(s): ALS Simi Valley, CA **SDG#** P2006972
Date: 1/8/2020
Reviewer: Amber Jones
Review Level [X] NYSDEC DUSR USEPA Region II Guideline

Control limits are from EPA Region 2 - SOP# HW-31, October 2006.

1. ✓ **Case Narrative Review and Data Package Completeness** COMMENTS
Were problems noted? No problems noted
Are Field Sample IDs and Locations assigned correctly? YES NO (circle one) locations for Dup-1/Dup-2 were inccorect on table 1 - changed in TED
Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

2. ✓ **Holding time and Sample Collection**
Were samples analyzed within the 30 day holding time? YES NO (circle one)

3. ✓ **QC Blanks** (use 5x rule for calculating action levels)
Are method blanks free of contamination? YES NO (circle one)

4. ✓ **Instrument Tuning – Data Package Narrative Review**
Did the laboratory narrative identify any results that were not within method criteria? YES NO (circle one)
If yes, use professional judgment to evaluate data and qualify results if needed

5. ✓ **Instrument Calibration - Data Package Narrative Review**
Did the laboratory narrative identify compounds that were not within method criteria (%RSD ≤30; %D ≤30) in the initial calibration and/or continuing calibration standards? YES NO

Did the laboratory qualify results based on initial or continuing calibration exceedances? YES NO NA
If yes to above, use professional judgment to evaluate data and qualify results if needed

6. ✓ **Internal Standards – Data Package Narrative Review**
(Area Limits = +40% to -40%, RTs within 20 seconds of daily CCAL standard (or ICAL mid-point if samples follow ICAL))
Did the laboratory narrative identify any sample internal standards that were not within criteria? YES NO (circle one)

Did the laboratory qualify results based on internal standard exceedances? YES NO NA
If yes to above, use professional judgment to evaluate data and qualify results if needed

7. ✓ **Surrogate Recovery**

Were all results within laboratory limits? YES NO (circle one)

8. ✓ **Field Duplicates**
Were Field Duplicates submitted/analyzed? YES NO See attached - 1A-G5/DUP1 - carbon disulfide 4-methyl,2-pentanone, 1,4-dioxane J , FD

Were all results were within criteria (Field Dup RPD goal = 50). YES NO NA (circle one)

9. ✓ **Laboratory Control Sample Results** (limits 70-130%)

Were all results within limits? YES NO (circle one)

10. ✓ **Raw Data Review and Calculation Checks**

11. ✓ **Electronic Data Review and Edits**

Does the EDD match the Form Is? YES NO (circle one)

12. ✓ **Tables Review**

Table 1 (Samples and Analytical Methods)
Table 2 (Analytical Results)
Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

Table 4 (TICs) Did lab report TICs? YES NO (circle one)

Sample ID: IA-DUP1/ IA-G5

Compund	Result	LabQual	Dup	LabQual	RPD	
Dichlorodifluoromethane	2.3		2.3		0	
chloromethane	0.2	J	0.21	J	4.878049	
chloroethane	0.12	J	0.73	U	143.5294	Okay - < RL
acetone	33		34		2.985075	
trichlorofluoromethane	1.2		1.1		8.695652	
2-propanol	98		99		1.015228	
methylene chloride	0.33	J	0.32	J	3.076923	
trichlorotrifluoroethane	0.5	J	0.49	J	2.020202	
carbon disulfide	6.4		1.8		112.1951	J, FD
2-butanone	1.5		2		28.57143	
n-hexane	0.51	J	0.44	J	14.73684	
chloroform	1.2		1.2		0	
benzene	0.73	J	0.75		2.702703	
carbon tetrachloride	0.37		0.36		2.739726	
bromodichloromethane	0.11	J	0.12	J	8.695652	
1,4-dioxane	0.59	J	3		134.2618	J, FD
4-methyl-2-pentanone	0.34	J	5.2		175.4513	
toluene	1.3		1.1		16.66667	
2-hexanone	0.29	J	0.44	J	41.09589	
tetrachloroethene	0.12	J	0.73	U	143.5294	
ethylbenzene	0.4	J	0.22	J	58.06452	Okay - < RL
m,p-xylenes	0.92	J	0.75	J	20.35928	
1,3-butadiene	0.75	U	0.25	J	100	Okay - < RL
o-xylene	0.36	J	0.28	J	25	
1,3,5-trimethylbenzene	0.13	J	0.74	U	140.2299	Okay - < RL
1,2,4-trimethylbenzene	0.36	J	0.36	J	0	
1.4-dichlorobenzene	0.17	J	0.25	J	38.09524	
chlorodifluoromethane	0.43	J,X	0.49	J,X	13.04348	
methyl acetate	1.2	X	1.2	X	0	
styrene	0.75	U	0.19	J	119.1489	
1,1-difluoroethane	0.73	U,X	0.42	J,X	53.91304	Okay - < RL

* MRL used for nondetect result

aag 1/12/2021

Sample ID: IA-DUP-2 /IA-E16

Compund	Result	LabQual	Dup	LabQual	RPD	
Dichlorodifluoromethane	2.3		2.3		0	
chloromethane	0.2	J	0.2	J	0	
Acetone	27		29		7.142857	
trichlorofluoromethane	1.2		1.1		8.695652	
2-propanol	97		93		4.210526	
methylene chloride	0.33	J	0.39	J	16.66667	
trichlorotrifluoroethane	0.05	J	0.49	J	162.963	Okay - < RL
2-butanone (MEK)	0.6	J	1.3	J	73.68421	
n-hexane	0.89		1.1		21.10553	
chloroform	1.8		1.7		5.714286	
benzene	0.86		0.91		5.649718	
carbon tetrachloride	0.37		0.36		2.739726	
cyclohexane	0.3	J	0.35	J	15.38462	
bromodichloromethane	0.17	J	0.17	J	0	
4-methyl-2-pentanone	0.23	J	0.25	J	8.333333	
toluene	1.6		1.6		0	
2-hexanone	0.098	J	0.2	J	68.45638	
tetrachloroethene	0.099	J	0.9	U	160.3604	Okay - < RL
ethylbenzene	0.29	J	0.32	J	9.836066	
m,p-xylenes	0.92	J	0.98	J	6.315789	
styrene	0.19	J	0.21	J	10	
o-xylene	0.37	J	0.39	J	5.263158	
1,3,5-trimethylbenzene	0.12	J	0.92	U	153.8462	Okay - < RL
1,2,4-trimethylbenzene	0.42	J	0.42	J	0	
1,4-dichlorobenzene	0.26	J	0.9	U	110.3448	okay - < RL
1,1-difluoroethane	0.75	X	0.9	X	18.18182	
chlorodifluoromethane	0.53	J,X	0.54	J,X	1.869159	
methyl acetate	0.86	X	0.75	J,X	13.6646	
methylcyclohexane	0.4	JX	0.87	U,X	74.01575	Okay - < RL
carbon disulfide	1.4	U	1.3	J	7.407407	
1,4-dioxane	0.75	U	0.16	J	129.6703	Okay - < RL

* MRL used for nondetect result

aaj 1/12/2021

Response Factor Report GCMS-16

Method Path : I:\MS16\METHODS\
Method File : R16121820.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Mon Dec 21 15:39:15 2020
Response Via : Initial Calibration

LH 12/21/20

Calibration Files
0.1 =12182031.D 0.2 =12182032.D 0.5 =12182040.D 1.0 =12182034.D 5.0 =12182035.D 25 =12182
100 =12182038.D

		Compound	0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------									
2)	T	Propene	2.079	2.015	1.868	2.941	2.123	2.447	2.478	2.297	2.281	14.90
3)	T	Dichlorodifluo...	2.831	2.737	2.371	2.830	2.886	2.700	2.530	2.321	2.651	8.21
4)	T	Chloromethane	2.599	2.649	2.335	2.039	2.758	2.439	1.981		2.400	12.52
5)	T	1,2-Dichloro-1...	1.319	1.394	1.247	1.426	1.461	1.371	1.345	1.249	1.351	5.75
6)	T	Vinyl Chloride	1.819	1.862	1.679	1.899	1.948	1.847	1.856	1.721	1.829	4.87
7)	T	1,3-Butadiene	1.396	1.420	1.462	1.513	1.713	1.669	1.642	1.507	1.540	7.76
8)	T	Bromomethane	1.051	1.016	0.968	1.040	1.126	1.071	1.042	0.981	1.037	4.86
9)	T	Chloroethane	0.977	0.891	0.833	0.942	0.985	0.934	0.914	0.860	0.917	5.86
10)	T	Ethanol	1.541	1.405	1.417	1.351	1.408	1.283	1.192	1.068	1.333	11.13
11)	T	Acetonitrile	3.956	3.598	4.071	3.710	3.710	3.570	3.433	3.180	3.653	7.71
12)	T	Acrolein	0.860	0.907	0.939	0.987	1.072	1.018	0.978	0.905	0.958	7.19
13)	T	Acetone	1.250	1.208	1.194	1.179	1.180	1.041	0.960	0.854	1.108 ✓	12.69 ✓
14)	T	Trichlorofluor...	2.450	2.398	2.167	2.604	2.674	2.514	2.409	2.245	2.433	6.98
15)	T	2-Propanol (Is...	4.706	4.555	4.297	3.445	5.379	4.229	3.470	2.718	4.100	20.62
16)	T	Acrylonitrile	1.945	1.979	2.136	2.266	2.339	2.253	2.164	1.984	2.133	7.01
17)	T	1,1-Dichloroet...	1.101	1.086	1.053	1.184	1.245	1.208	1.187	1.148	1.152	5.76
18)	T	2-Methyl-2-Pro...	3.251	3.237	3.138	2.823	4.041	3.634	2.621		3.249	14.67
19)	T	Methylene Chlo...	1.254	1.147	1.088	1.230	1.257	1.212	1.177	1.113	1.185	5.40
20)	T	3-Chloro-1-pro...	2.386	2.452	2.261	2.586	2.769	2.747	2.653	2.492	2.543	6.99
21)	T	Trichlorotrifl...	1.142	1.177	1.075	1.228	1.269	1.207	1.167	1.100	1.171	5.52
22)	T	Carbon Disulfide	4.321	4.176	3.870	4.259	4.511	4.288	4.129	3.786	4.168	5.74
23)	T	trans-1,2-Dich...	1.733	1.880	1.759	2.000	2.168	2.099	2.065	1.948	1.956	8.05
24)	T	1,1-Dichloroet...	2.296	2.374	2.132	2.445	2.539	2.427	2.371	2.233	2.352	5.47
25)	T	Methyl tert-Bu...	3.227	3.258	3.168	3.602	3.927	3.843	3.630	2.503	3.395	13.53
26)	T	Vinyl Acetate			0.191	0.198	0.254	0.256	0.246	0.221	0.228	12.62
27)	T	2-Butanone (MEK)		0.697	0.729	0.813	0.847	0.819	0.788	0.669	0.766	8.83
28)	T	cis-1,2-Dichlo...	1.886	1.818	1.742	1.989	2.100	2.037	1.993	1.883	1.931	6.17
29)	T	Diisopropyl Ether	0.974	1.018	0.955	1.095	1.140	0.964	0.914	0.832	0.986	9.92
30)	T	Ethyl Acetate			0.592	0.660	0.686	0.629	0.573		0.628	7.40
31)	T	n-Hexane	2.483	2.501	2.292	2.564	2.665	2.398	2.213	1.956	2.384	9.47
32)	T	Chloroform	2.162	2.180	1.920	2.278	2.346	2.243	2.159	2.025	2.164	6.33
33)	S	1,2-Dichloroet...	1.747	1.782	1.718	1.777	1.758	1.745	1.720	1.666	1.739	2.16
34)	T	Tetrahydrofura...	0.687	0.720	0.783	0.758	0.812	0.781	0.746	0.672	0.745	6.55
35)	T	Ethyl tert-But...	1.322	1.321	1.244	1.434	1.518	1.474	1.430	1.328	1.384	6.76
36)	T	1,2-Dichloroet...	1.949	1.910	1.694	2.018	2.101	2.014	1.938	1.799	1.928	6.72
37)	IR	1,4-Difluorobenzen...	----------ISTD----------									
38)	T	1,1,1-Trichlor...	0.469	0.469	0.412	0.490	0.523	0.504	0.479	0.436	0.473	7.57
39)	T	Isopropyl Acetate									0.000	-1.00
40)	T	1-Butanol									0.000	-1.00
41)	T	Benzene	1.242	1.134	1.108	1.148	1.204	1.146	1.104	1.035	1.140	5.52
42)	T	Carbon Tetrach...	0.419	0.397	0.365	0.440	0.475	0.458	0.551	0.413	0.440	12.88
43)	T	Cyclohexane	0.398	0.373	0.365	0.408	0.434	0.414	0.398	0.364	0.394	6.37
44)	T	tert-Amyl Meth...	0.726	0.709	0.680	0.782	0.838	0.816	0.784	0.728	0.758	7.28
45)	T	1,2-Dichloropr...	0.301	0.305	0.284	0.316	0.333	0.320	0.309	0.292	0.307	5.14
46)	T	Bromodichlorom...	0.391	0.383	0.350	0.410	0.447	0.434	0.417	0.393	0.403	7.63
47)	T	Trichloroethene	0.547	0.416	0.353	0.359	0.361	0.347	0.339	0.319	0.380	19.19
48)	T	1,4-Dioxane	0.188	0.204	0.214	0.230	0.247	0.241	0.234	0.219	0.222	8.94
49)	T	2,2,4-Trimethy...	1.487	1.389	1.301	1.473	1.547	1.455	1.382	1.245	1.410	7.16
50)	T	Methyl Methacr...			0.104	0.115	0.130	0.128	0.122	0.114	0.119	8.19
51)	T	n-Heptane	0.261	0.264	0.249	0.277	0.296	0.283	0.273	0.257	0.270	5.69
52)	T	cis-1,3-Dichlo...	0.360	0.374	0.369	0.418	0.476	0.473	0.466	0.444	0.422	11.62
53)	T	4-Methyl-2-pen...	0.258	0.259	0.278	0.314	0.338	0.329	0.306	0.275	0.296	11.25
54)	T	trans-1,3-Dich...			0.343	0.387	0.463	0.472	0.464	0.444	0.429	12.13

AQG 1/8/2021

LH 12/22/20

Primary Source Standards Concentrations (Working & Initial Calibration)

1ng/L Std. ID:
4ng/L Std. ID: S34-12142004
20ng/L Std. ID: S34-12142003
40ng/L Std. ID:
200ng/L Std. ID: S34-12142002
1000ng/L Std. ID:

Dilution Factors:		1	5	25	50	250	1000	Working STD Conc.(ng/L):	4	4	20	4	200	200	200	200
	Source Std.		Primary Working Standards					Injection (L):	0.025	0.050	0.0250	0.250	0.025	0.125	0.25	0.50
Compounds	mg/m³	1000ng/L	200ng/L	40ng/L	20ng/L	4ng/L	1ng/L	ICAL Points:	0.1ng	0.2ng	0.5ng	1ng	5ng	25ng	50ng	100ng
Propene	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Dichlorodifluoromethane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Chloromethane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Freon-114	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Vinyl Chloride	1.05	1050	210	42.0	21.0	4.20	1.05		0.105	0.210	0.525	1.05	5.25	26.25	52.5	105
1,3-Butadiene	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Bromomethane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Chloroethane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Ethanol	5.28	5280	1056	211.2	105.6	21.12	5.28		0.528	1.056	2.640	5.28	26.40	132.00	264.0	528
Acetonitrile	1.06	1060	212	42.4	21.2	4.24	1.06		0.106	0.212	0.530	1.06	5.30	26.50	53.0	106
Acrolein	2.18	2180	436	87.2	43.6	8.72	2.18		0.218	0.436	1.090	2.18	10.90	54.50	109.0	218
Acetone	5.16	5160	1032	206.4	103.2	20.64	5.16		0.516	1.032	2.580	5.16	25.80	129.00	258.0	516
Trichlorofluoromethane	1.02	1020	204	40.8	20.4	4.08	1.02		0.102	0.204	0.510	1.02	5.10	25.50	51.0	102
Isopropanol	2.05	2050	410	82.0	41.0	8.20	2.05		0.205	0.410	1.025	2.05	10.25	51.25	102.5	205
Acrylonitrile	2.05	2050	410	82.0	41.0	8.20	2.05		0.205	0.410	1.025	2.05	10.25	51.25	102.5	205
1,1-Dichloroethene	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
tert-Butanol	2.07	2070	414	82.8	41.4	8.28	2.07		0.207	0.414	1.035	2.07	10.35	51.75	103.5	207
Methylene Chloride	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Allyl Chloride	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Trichlorotrifluoroethane	1.05	1050	210	42.0	21.0	4.20	1.05		0.105	0.210	0.525	1.05	5.25	26.25	52.5	105
Carbon Disulfide	2.08	2080	416	83.2	41.6	8.32	2.08		0.208	0.416	1.040	2.08	10.40	52.00	104.0	208
trans-1,2-Dichloroethene	1.05	1050	210	42.0	21.0	4.20	1.05		0.105	0.210	0.525	1.05	5.25	26.25	52.5	105
1,1-Dichloroethane	1.07	1070	214	42.8	21.4	4.28	1.07		0.107	0.214	0.535	1.07	5.35	26.75	53.5	107
Methyl tert-Butyl Ether	1.03	1030	206	41.2	20.6	4.12	1.03		0.103	0.206	0.515	1.03	5.15	25.75	51.5	103
Vinyl Acetate	5.49	5490	1098	219.6	109.8	21.96	5.49		0.549	1.098	2.745	5.49	27.45	137.25	274.5	549
2-Butanone	2.06	2060	412	82.4	41.2	8.24	2.06		0.206	0.412	1.030	2.06	10.30	51.50	103.0	206
cis-1,2-Dichloroethene	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Diisopropyl Ether	2.09	2090	418	83.6	41.8	8.36	2.09		0.209	0.418	1.045	2.09	10.45	52.25	104.5	209
Ethyl Acetate	2.08	2080	416	83.2	41.6	8.32	2.08		0.208	0.416	1.040	2.08	10.40	52.00	104.0	208
n-Hexane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Chloroform	1.05	1050	210	42.0	21.0	4.20	1.05		0.105	0.210	0.525	1.05	5.25	26.25	52.5	105
Tetrahydrofuran	2.04	2040	408	81.6	40.8	8.16	2.04		0.204	0.408	1.020	2.04	10.20	51.00	102.0	204
Ethyl tert-Butyl Ether	2.08	2080	416	83.2	41.6	8.32	2.08		0.208	0.416	1.040	2.08	10.40	52.00	104.0	208
1,2-Dichloroethane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
1,1,1-Trichloroethane	1.03	1030	206	41.2	20.6	4.12	1.03		0.103	0.206	0.515	1.03	5.15	25.75	51.5	103
Benzene	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Carbon Tetrachloride	1.02	1020	204	40.8	20.4	4.08	1.02		0.102	0.204	0.510	1.02	5.10	25.50	51.0	102
Cyclohexane	2.07	2070	414	82.8	41.4	8.28	2.07		0.207	0.414	1.035	2.07	10.35	51.75	103.5	207
tert-Amyl Methyl Ether	2.07	2070	414	82.8	41.4	8.28	2.07		0.207	0.414	1.035	2.07	10.35	51.75	103.5	207
1,2-Dichloropropane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Bromodichloromethane	1.04	1040	208	41.6	20.8	4.16	1.04		0.104	0.208	0.520	1.04	5.20	26.00	52.0	104
Trichloroethene	1.02	1020	204	40.8	20.4	4.08	1.02		0.102	0.204	0.510	1.02	5.10	25.50	51.0	102
1,4-Dioxane	1.03	1030	206	41.2	20.6	4.12	1.03		0.103	0.206	0.515	1.03	5.15	25.75	51.5	103
Isooctane	1.05	1050	210	42.0	21.0	4.20	1.05		0.105	0.210	0.525	1.05	5.25	26.25	52.5	105
Methyl Methacrylate	2.08	2080	416	83.2	41.6	8.32	2.08		0.208	0.416	1.040	2.08	10.40	52.00	104.0	208
n-Heptane	1.03	1030	206	41.2	20.6	4.12	1.03		0.103	0.206	0.515	1.03	5.15	25.75	51.5	103

adg 1/8/2021

Quantitation Report (QT Reviewed)

Data File : I:\MS16\DATA\2020 12\18\12182036.D Vial: 2
Acq On : 19 Dec 2020 00:08 Operator: LH
Sample : 25ng TO15 ICAL STD Inst : GCMS-16
Misc : S34-12182001/S34-12142002 (1/13)

Quant Time: Dec 19 11:50:39 2020
Quant Method : I:\MS16\METHODS\R16121820.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Sat Dec 19 11:50:13 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

LH 12/19/20

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS1)	11.21	130	180401	12.500	ng	0.00
37) 1,4-Difluorobenzene (IS2)	13.33	114	773641	12.500	ng	0.00
56) Chlorobenzene-d5 (IS3)	17.64	54	170809	12.500	ng	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4(...	12.07	65	314792	12.361	ng	0.00
Spiked Amount 12.500	Range 70 - 130		Recovery = 98.88%			
57) Toluene-d8 (SS2)	15.78	98	777620	12.735	ng	0.00
Spiked Amount 12.500	Range 70 - 130		Recovery = 101.92%			
73) Bromofluorobenzene (SS3)	19.03	174	291494	11.287	ng	0.00
Spiked Amount 12.500	Range 70 - 130		Recovery = 90.32%			
Target Compounds						Qvalue
2) Propene	4.15	42	918179	32.080	ng	100
3) Dichlorodifluoromethan...	4.31	85	1013262	26.808	ng	100
4) Chloromethane	4.59	50	915366	32.819	ng	100
5) 1,2-Dichloro-1,1,2,2-t...	4.86	135	514359	24.447	ng	100
6) Vinyl Chloride	5.01	62	699848	24.683	ng	100
7) 1,3-Butadiene	5.28	54	626352	28.119	ng	100
8) Bromomethane	5.71	94	401864	28.143	ng	100
9) Chloroethane	6.05	64	350570	29.166	ng	100
10) Ethanol	6.45	45	2443561	165.296	ng	100
11) Acetonitrile	6.69	41	1365262	36.402	ng	100
12) Acrolein	6.87	56	800465	69.379	ng	100
13) Acetone	7.08	58	1938789	132.907	ng	100
14) Trichlorofluoromethane	7.31	101	925133	26.950	ng	100
15) 2-Propanol (Isopropanol)	7.58	45	3128098	68.836	ng	100
16) Acrylonitrile	7.84	53	1666486	67.220	ng	100
17) 1,1-Dichloroethene	8.27	96	453290	28.159	ng	100
18) 2-Methyl-2-Propanol (t...	8.45	59	2713971	61.871	ng	100
19) Methylene Chloride	8.50	84	454844	26.290	ng	100
20) 3-Chloro-1-propene (Al...	8.66	41	1030713	34.634	ng	100
21) Trichlorotrifluoroethane	8.91	151	457259	27.298	ng	100
22) Carbon Disulfide	8.76	76	3218029	53.098	ng	100
23) trans-1,2-Dichloroethene	9.77	61	795125	30.499	ng	100
24) 1,1-Dichloroethane	10.02	63	937100	29.900	ng	100
25) Methyl tert-Butyl Ether	10.11	73	1428123	27.519	ng	100
26) Vinyl Acetate	10.28	86	507525	131.885	ng	100
27) 2-Butanone (MEK)	10.51	72	608376	54.052	ng	100
28) cis-1,2-Dichloroethene	11.04	61	764390	29.821	ng	100
29) Diisopropyl Ether	11.33	87	726920	49.193	ng	100
30) Ethyl Acetate	11.34	61	471893	53.752	ng	100
31) n-Hexane	11.32	57	899981	27.749	ng	100
32) Chloroform	11.38	83	849633	27.061	ng	100
34) Tetrahydrofuran (THF)	11.78	72	574484	53.478	ng	100
35) Ethyl tert-Butyl Ether	11.92	87	1106205	52.967	ng	100
36) 1,2-Dichloroethane	12.18	62	755576	28.744	ng	100
38) 1,1,1-Trichloroethane	12.46	97	803226	28.352	ng	100
39) Isopropyl Acetate	12.94	61	21943	No Calib		
40) 1-Butanol	12.93	56	6921	No Calib		
41) Benzene	12.93	78	1844365	27.449	ng	100
42) Carbon Tetrachloride	13.09	117	722284	27.524	ng	100
43) Cyclohexane	13.23	84	1327200	51.957	ng	100
44) tert-Amyl Methyl Ether	13.57	73	2612548	52.152	ng	100
45) 1,2-Dichloropropane	13.79	63	515603	28.806	ng	100
46) Bromodichloromethane	13.97	83	698503	28.708	ng	100
47) Trichloroethene	14.03	130	548202	27.456	ng	100
48) 1,4-Dioxane	14.00	88	384866	28.437	ng	100
49) 2,2,4-Trimethylpentane...	14.10	57	2363313	31.216	ng	100
50) Methyl Methacrylate	14.24	100	412113	55.072	ng	100

aqg 1/8/2021

Quantitation Report (QT Reviewed)

Data File : I:\MS16\DATA\2020 12\22\12222022.D Vial: 5
Acq On : 23 Dec 2020 7:35 Operator: LH
Sample : P2006972-009 (1000mL) Inst : GCMS-16
Misc : S34-12182001

Quant Time: Dec 23 16:48:18 2020
Quant Method : I:\MS16\METHODS\R16121820.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Mon Dec 21 15:39:15 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

LH 12/28/20

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS1)	11.20	130	204892	12.500	ng		-0.03
37) 1,4-Difluorobenzene (IS2)	13.32	114	891355	12.500	ng		-0.01
56) Chlorobenzene-d5 (IS3)	17.64	54	189532	12.500	ng		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4(...	12.05	65	342611	12.018	ng		-0.02
Spiked Amount 12.500	Range 70 - 130		Recovery = 96.16%				
57) Toluene-d8 (SS2)	15.77	98	916086	13.101	ng		-0.01
Spiked Amount 12.500	Range 70 - 130		Recovery = 104.80%				
73) Bromofluorobenzene (SS3)	19.03	174	334786	13.001	ng		0.00
Spiked Amount 12.500	Range 70 - 130		Recovery = 104.00%				
Target Compounds							Qvalue
2) Propene	4.16	42	847518	22.667	ng		99
3) Dichlorodifluoromethan...	4.33	85	64737	1.490	ng		99
4) Chloromethane	4.60	50	6074	0.154	ng		93
5) 1,2-Dichloro-1,1,2,2-t...	4.88	135	1444	0.065	ng		99
6) Vinyl Chloride	0.00	62	0	N.D.			
7) 1,3-Butadiene	5.30	54	1000	N.D.			
8) Bromomethane	5.73	94	273	N.D.			
9) Chloroethane	0.00	64	0	N.D.			
10) Ethanol	6.64	45	33528340	1534.216	ng		100
11) Acetonitrile	6.90	41	291	N.D.			
12) Acrolein	6.86	56	4021	0.256	ng		97
13) Acetone	7.07	58	322836	17.768	ng	✓	96
14) Trichlorofluoromethane	7.30	101	30136	0.756	ng		99
15) 2-Propanol (Isopropanol)	7.68	45	5823043	86.650	ng		99
16) Acrylonitrile	7.84	53	716	N.D.			
17) 1,1-Dichloroethene	0.00	96	0	N.D.			
18) 2-Methyl-2-Propanol (t...	8.51	59	937	N.D.			
19) Methylene Chloride	8.49	84	4022	0.207	ng		97
20) 3-Chloro-1-propene (Al...	8.72	41	156	N.D.			
21) Trichlorotrifluoroethane	8.91	151	6322	0.329	ng		99
22) Carbon Disulfide	8.75	76	29344	0.430	ng		98
23) trans-1,2-Dichloroethene	9.59	61	1442	N.D.			
24) 1,1-Dichloroethane	0.00	63	0	N.D.			
25) Methyl tert-Butyl Ether	0.00	73	0	N.D.	d		
26) Vinyl Acetate	0.00	86	0	N.D.	d		
27) 2-Butanone (MEK)	10.54	72	4935	0.393	ng		95
28) cis-1,2-Dichloroethene	10.94	61	106	N.D.			
29) Diisopropyl Ether	0.00	87	0	N.D.	d		
30) Ethyl Acetate	11.34	61	13460	1.308	ng		93
31) n-Hexane	11.31	57	13300	0.340	ng		99
32) Chloroform	11.37	83	40865	1.152	ng		100
34) Tetrahydrofuran (THF)	11.85	72	132	N.D.			
35) Ethyl tert-Butyl Ether	0.00	87	0	N.D.			
36) 1,2-Dichloroethane	12.17	62	1269	N.D.			
38) 1,1,1-Trichloroethane	0.00	97	0	N.D.			
39) Isopropyl Acetate	12.92	61	219	No Calib		#	
40) 1-Butanol	12.93	56	45982	No Calib		#	
41) Benzene	12.93	78	40045	0.493	ng		100
42) Carbon Tetrachloride	13.09	117	7668	0.245	ng		99
43) Cyclohexane	13.22	84	3479	0.124	ng		96
44) tert-Amyl Methyl Ether	0.00	73	0	N.D.			
45) 1,2-Dichloropropane	13.78	63	114	N.D.			
46) Bromodichloromethane	13.98	83	2820	0.098	ng		90
47) Trichloroethene	14.03	130	654	N.D.			
48) 1,4-Dioxane	13.99	88	292	N.D.			
49) 2,2,4-Trimethylpentane...	0.00	57	0	N.D.	d		
50) Methyl Methacrylate	0.00	100	0	N.D.	d		

adg 1/8/2021

DUSR Calculations Sheet

Sample ID: IA-H21
TC: Acetone
ICAL Level: 25 ng
Val File Result for TC: 27

Ical Calc

Area TC	1938789
Area IS	180401
Conc TC	129
Conc IS	12.5
RRF =	1.041386

1	1.25
2	1.208
3	1.194
4	1.179
5	1.18
6	1.041
7	0.96
8	0.854
9	
10	
Avg RRF =	1.10825
Std Dev =	0.14076
%RSD =	12.7011

Sample Calc

Area TC	322863
Area IS	204892
Conc IS	12.5
Avg RRF	1.10825
Conc TC (ng/L) =	17.7732

Pi	-2.61
Pf	3.93
Canister DF	1.540943
Conc (ug/m3) =	27.38748

Notes:
Green = matched reported value
Red = did not match reported value

adg 1/8/2021

APPENDIX B - SAMPLING LOGS

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-G5
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0917
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0917	-30	39°F	68	8	30.01	N/A
12/10/2020	1941	-5.5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	SC00095
Flow Controller ID:	0A01915
Notes:	

Leak Test Information (if applicable):

leak test passed

General Observations/Notes:

Duplicate taken here IA-DUP-1

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-E10
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0913
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0913	-28	39°F	68	8	30.01	N/A
12/10/2020	1733	-5.5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	SSC00166
Flow Controller ID:	OA01362
Notes:	

Leak Test Information (if applicable):

leak test passed

General Observations/Notes:

SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-D13
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0911
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	ER + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0911	-30	39	68	8	30.01	N/A
12/10/2020	1732	-5					
							-

(a) Record canister information at a *minimum* at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6L)
Canister ID:	AC02042
Flow Controller ID:	OA01401
Notes:	

Leak Test Information (if applicable):

leak test passed

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-F13
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0912
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0912	-28	39	68	8	30.01	N/A
12/10/2020	1845	-5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	SSC00335
Flow Controller ID:	OA00878
Notes:	

Leak Test Information (if applicable):

leak test passed

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-E16
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0905
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0905	-30	39	68	8	30.01	N/A
12/10/2020	1844	-5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6L)
Canister ID:	AS01315
Flow Controller ID:	MA00461
Notes:	

Leak Test Information (if applicable):

leak test passed

General Observations/Notes:

Duplicate taken here
IA-DUP-2

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-G18
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0904
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0904	-25	39	68	8	30.01	N/A
12/10/2020	1207	-5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	AS01319
Flow Controller ID:	0A01394
Notes:	

Leak Test Information (if applicable):

leak test passed

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-C20
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0901
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0901	-30	39	68	8	30.01	N/A
12/10/2020	1843	-5.5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	SC 01027
Flow Controller ID:	MA01601
Notes:	

Leak Test Information (if applicable):

Leak test passed

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-E21.5
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0900
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0900	-30	39	68	8	30.01	N/A
12/10/2020	1842	-5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	AS00824
Flow Controller ID:	0A0953A
Notes:	

Leak Test Information (if applicable):

Leak test passed

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-H21
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0851
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0851	-28.5	39	68	8	30.01	N/A
12/10/2020	1730	-5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	SSC00099
Flow Controller ID:	0401803
Notes:	

Leak Test Information (if applicable):

Leak test passed

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	IA-12
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 1128
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	MB + EP		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	1128	-29	46°F	51	14	30.06	N/A
12/10/2020	1942	-6					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	SC02236
Flow Controller ID:	0400358
Notes:	

Leak Test Information (if applicable):

General Observations/Notes:

SOP Owner:	Amec E&E, PC
SOP No.:	SSDS-26
Revision No.	02
Revision Date:	04/16/2019
Revision By:	EAW
Approved By:	

Lockheed Martin Corporation

Attachment SOP SSDS-26-01 – Indoor Air/Ambient Air Sample Collection Log

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	AA-01
Client:	Lockheed Martin Corporation	Sampling Depth:	N/A
Project:	Former Unisys Facility	Time and Date of Installation:	12/10/2020 0842
Location:	Lake Success, NY	Miscellaneous Equipment:	N/A
Project #:	3617187442	Moisture Content:	N/A
Samplers:	EP + MB		

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)
12/10/2020	0842	-29	39	68	8	30.01	N/A
12/10/2020	1614	-5.5					

(a) Record canister information at a minimum at the beginning and end of sampling

SUMMA Canister Information:

Size (circle one):	1 L (6 L)
Canister ID:	A 500765
Flow Controller ID:	OA0129C
Notes:	

Leak Test Information (if applicable):

Leak Test passed

General Observations/Notes:

APPENDIX C – TENANT AND OWNER LETTERS

Lockheed Martin Corporation
6801 Rockledge Drive
MP CCT 246
Bethesda, MD 20817

February 22, 2021
Mr. Peter McClean
KeyPoint Partners
1111 Marcus Avenue
Lake Success, NY 11042

RE: Vapor Intrusion (VI) Sampling Test Results

Dear Mr. McClean:

Indoor air (IA) vapor samples were collected from the LA Fitness building located at 1111 Marcus Avenue (Unisys Site No.130045). Samples were collected on December 10, 2020 during the heating season. This correspondence is written to provide you with the sampling results.

The indoor air results are presented in Table 1 along with the ambient air data. All sample locations are shown on Figure 1. Lockheed Martin Corporation (Lockheed Martin) has provided these results to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH). As KeyPoint Partners and Lockheed Martin have agreed, Lockheed Martin has included an individual letter, table, and figure addressed to LA Fitness for your distribution.

The primary chemicals of concern potentially related to historical activities at the former Unisys Site are the solvents trichloroethene (TCE), tetrachloroethene (PCE), cis-1,2-dichloroethene (DCE), and Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane), although there were other chemicals used at the site.

Lockheed Martin, in consultation with NYSDEC and NYSDOH, has reviewed the results per NYSDOH's October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH VI Guidance). A copy of this guidance is available on NYSDOH's website at http://www.health.state.ny.us/environmental/indoors/vapor_intrusion/. Note that certain aspects of the guidance have been updated subsequent to October 2006, most recently in May 2017.

Based upon an evaluation of the results of the sample analysis from 2018 and a comparison of those data to the current NYSDOH Soil Vapor Intrusion guidance (updated in May 2017), a sub-slab depressurization system (SSDS) was installed in the northwestern portion of the LA Fitness building. Lockheed Martin arranged for the design and installation of the NYSDEC and NYSDOH approved SSDS. Construction of the LA Fitness SSDS was initiated in December 2018 and completed in February 2019. The system consists of two sub slab extraction points, each with riser pipes and roof-top mounted vapor extraction blowers. The approximate radius of influence of the extraction point operating during sampling is shown on Figure 1. One extraction point was out-of-service due to blower malfunction during the sampling event. The required sub-slab vacuum was maintained with the remaining blower.

The December 10, 2020 indoor air sample results indicate that all indoor air concentrations of TCE and PCE continue to be below the NYSDOH VI Guidance indoor air guidelines of 2 micrograms per cubic meter ($\mu g/m^3$) and 30 $\mu g/m^3$, respectively. The sample collected inside the crawlspace (IA-12F) had an estimated TCE concentration of 0.32 $\mu g/m^3$ and a PCE concentration of 0.23 $\mu g/m^3$. Because the crawlspace is kept sealed and is not accessible, this does not represent a current exposure pathway, although these concentrations are also below indoor air guidelines. The sample locations and summary of analytical results are presented in Figure 1. All sample results are presented in Table 1.

The indoor air quality in the LA Fitness building is comparable to that of buildings not affected by environmental contamination. The majority of the volatile organic chemicals detected in the indoor air are at levels typically found in most homes and businesses in an urban area and do not present a concern. However, chloroform was detected slightly above typical indoor air background levels suggesting that the results are likely associated with the chlorinated pool, pool products and/or rubber floor mats (e.g. background sources). Other compounds including acetone, acetic acid (methyl ester), 1,1-difluoroethane (aka: Freon 152a), 1,4-dioxane, 2-propanol (aka: isopropyl alcohol), 2-butanone (aka: MEK), carbon disulfide, chloroform, toluene, and xylenes, were detected at low levels in this year's samples. Lockheed Martin believes that the isopropyl alcohol detections are related to the use of COVID-19 disinfectants and these other detections are likely related to the remnants of adhesives, finishes, and paints used in the recent renovations at the LA Fitness facility. The enclosed NYSDOH Fact Sheet provides some information on reducing exposures to volatile chemicals found in household products.

Please feel free to contact Renata Ockerby of the NYSDOH at 1-518-402-7860 (Renata.Ockerby@health.ny.gov) or Girish Desai of the NYSDEC at 1-631-444-0243 (girish.desai@dec.ny.gov) regarding the indoor air results. If you are interested, you can obtain a

copy of the NYSDOH October 2006 Final Guidance for Soil Vapor Intrusion from their website at http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance/. If you have questions about these sample results or the on-going environmental investigations and cleanup at 1111 Marcus Avenue, please contact me at 1-817-901-9933 or via e-mail at Glenda.b.clark@lmco.com.

Sincerely,

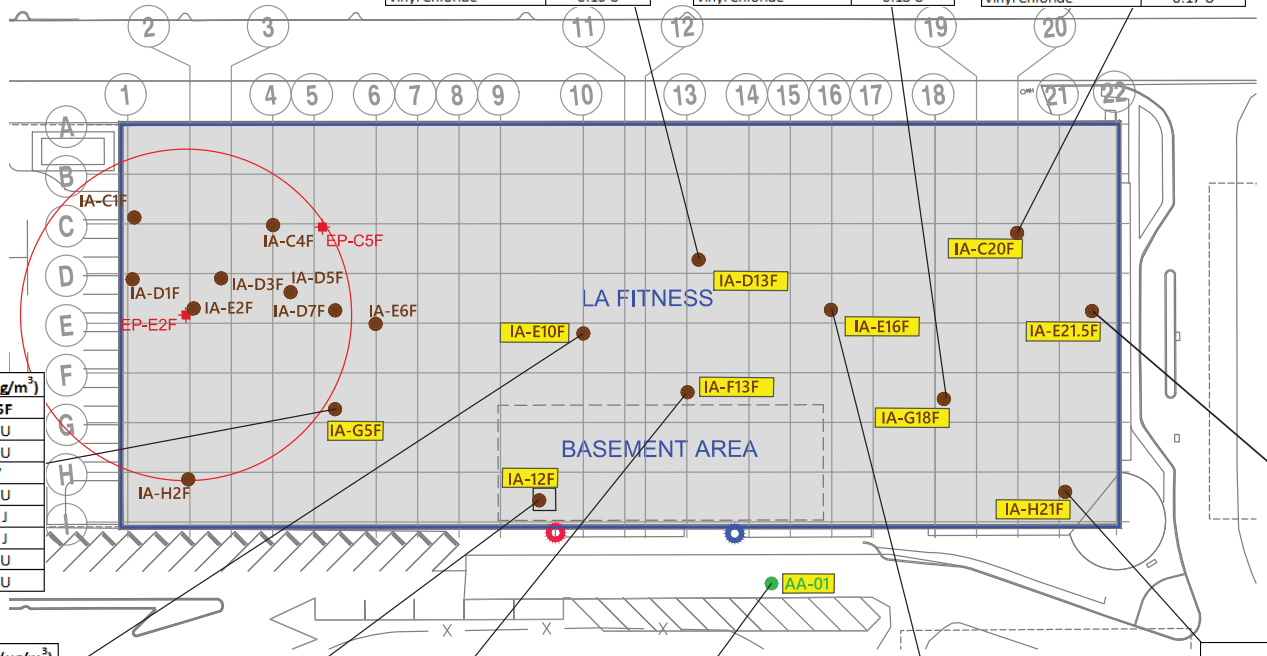
Glenda B. Clark

cc: Renata Ockerby/NYSDOH
Girish Desai/NYSDEC
Stu Pearson/AMEC E&E, PC
Eric Weinstock/AMEC E&E, PC

Analyte	Result (ug/m^3) IA-D13F
1,1,1-Trichloroethane	0.75 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.56 J
Tetrachloroethene	0.2 J
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) IA-G18F
1,1,1-Trichloroethane	0.83 U
1,1-Dichlorethene	0.18 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.18 U
Methylene chloride	0.33 J
Tetrachloroethene	0.83 U
Trichloroethene	0.18 U
Vinyl Chloride	0.18 U

Analyte	Result (ug/m^3) IA-C20F
1,1,1-Trichloroethane	0.79 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.35 J
Tetrachloroethene	0.79 U
Trichloroethene	0.17 U
Vinyl Chloride	0.17 U



LEGEND

- IA-H21F — INDOOR AIR SAMPLE LOCATION
- EP-C5F — EXTRACTION POINT
- 80 - FOOT RADIUS OF INFLUENCE
- PASSIVE VENT EXHAUST
- PASSIVE VENT INLET
- AA-01 — AMBIENT AIR SAMPLE LOCATION
- DENOTES LOCATIONS SAMPLED IN 2020

Analyte	Result (ug/m^3) IA-G5F
1,1,1-Trichloroethane	0.75 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.33 J
Tetrachloroethene	0.12 J
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) IA-E21.5F
1,1,1-Trichloroethane	0.73 U
1,1-Dichlorethene	0.15 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.15 U
Methylene chloride	0.32 J
Tetrachloroethene	0.1 J
Trichloroethene	0.15 U
Vinyl Chloride	0.15 U

Analyte	Result (ug/m^3) IA-E10F
1,1,1-Trichloroethane	0.79 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.32 J
Tetrachloroethene	0.79 U
Trichloroethene	0.17 U
Vinyl Chloride	0.17 U

Analyte	Result (ug/m^3) IA-12F
1,1,1-Trichloroethane	0.79 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.32
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.79 U
Tetrachloroethene	0.23 J
Trichloroethene	0.32
Vinyl Chloride	0.17 U

Analyte	Result (ug/m^3) IA-F13F
1,1,1-Trichloroethane	0.76 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.32 J
Tetrachloroethene	0.76 U
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) AA-01
1,1,1-Trichloroethane	0.93 U
1,1-Dichlorethene	0.2 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.2 U
Methylene chloride	0.42 J
Tetrachloroethene	0.93 U
Trichloroethene	0.2 U
Vinyl Chloride	0.2 U

Analyte	Result (ug/m^3) IA-E16F
1,1,1-Trichloroethane	0.75 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.33 J
Tetrachloroethene	0.099 J
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) IA-H21F
1,1,1-Trichloroethane	0.8 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.32 J
Tetrachloroethene	0.12 J
Trichloroethene	0.17 U
Vinyl Chloride	0.17 U

NOTES:

1. U = NOT DETECTED AT THE REPORTED DETECTION LIMIT.
   J = ESTIMATED VALUE.
2. SAMPLE LOCATION IA-12F IS WITHIN THE SEALED AND UNOCCUPIED BASEMENT AREA.
3. EP-C5F WAS OFFLINE FROM 12/01/20 TO 01/21/21. EP-E2F VACUUM WAS INCREASED FROM 13 IN. WC TO 21 IN. WC DURING THIS PERIOD.

0 60 120
SCALE IN FEET

TITLE: **DECEMBER 2020 INDOOR AND AMBIENT AIR VI SAMPLING RESULTS LA FITNESS**

LOCATION: **Former UNISYS Facility Lake Success, New York**

amec

APPROVED	EAW
DRAFTED	BRT
PROJECT#	117-0507644
DATE	01/20/21

FIGURE 1

FILE NAME: T:\LOCKHEED\GREAT NECK\LA Fitness SSDS\SV Monitoring Work Plan\Figure 1 - 2020 VI SAMPLING RESULTS LA Fitness.dwg PLOT DATE: Wed, 27 May 2020 PLOT TIME: 9:10 AM

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	AA-01				IA-12				IA-C20				IA-D13				IA-DUP-1				IA-DUP-2				IA-E10			
Lab Sample ID	P2006972-011				P2006972-010				P2006972-007				P2006972-003				P2006972-012				P2006972-013				P2006972-002			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.78				1.52				1.52				1.45				1.4				1.74				1.52			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																												
1,1,1-Trichloroethane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
1,1,2,2-Tetrachloroethane	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.1	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.49	J	0.14	0.94	0.5	J	0.12	0.81	0.49	J	0.12	0.81	0.51	J	0.11	0.77	0.49	J	0.11	0.74	0.49	J	0.13	0.92	0.52	J	0.12	0.81
1,1,2-Trichloroethane	0.93	U	0.096	0.93	0.79	U	0.082	0.79	0.79	U	0.082	0.79	0.75	U	0.078	0.75	0.73	U	0.076	0.73	0.9	U	0.094	0.9	0.79	U	0.082	0.79
1,1-Dichloroethane	0.96	U	0.14	0.96	0.82	U	0.12	0.82	0.82	U	0.12	0.82	0.78	U	0.11	0.78	0.76	U	0.11	0.76	0.94	U	0.14	0.94	0.82	U	0.12	0.82
1,1-Dichloroethene	0.2	U	0.13	0.2	0.17	U	0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.11	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17
1,2,4-Trichlorobenzene	1.8	U	0.23	1.8	1.5	U	0.2	1.5	1.5	U	0.2	1.5	1.5	U	0.19	1.5	1.4	U	0.18	1.4	1.7	U	0.23	1.7	1.5	U	0.2	1.5
1,2,4-Trimethylbenzene	0.18	J	0.13	0.93	0.79	U	0.11	0.79	0.39	J	0.11	0.79	0.35	J	0.11	0.75	0.36	J	0.1	0.73	0.42	J	0.13	0.9	0.35	J	0.11	0.79
1,2-Dibromo-3-chloropropane	1.8	U	0.18	1.8	1.5	U	0.15	1.5	1.5	U	0.15	1.5	1.5	U	0.15	1.5	1.4	U	0.14	1.4	1.7	U	0.17	1.7	1.5	U	0.15	1.5
1,2-Dibromoethane	0.93	U	0.11	0.93	0.79	U	0.094	0.79	0.79	U	0.094	0.79	0.75	U	0.09	0.75	0.73	U	0.087	0.73	0.9	U	0.11	0.9	0.79	U	0.094	0.79
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.93	U	0.15	0.93	0.79	U	0.13	0.79	0.79	U	0.13	0.79	0.75	U	0.12	0.75	0.73	U	0.12	0.73	0.9	U	0.15	0.9	0.79	U	0.13	0.79
1,2-Dichlorobenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.14	0.92	0.81	U	0.12	0.81
1,2-Dichloroethane	0.93	U	0.11	0.93	0.79	U	0.09	0.79	0.79	U	0.09	0.79	0.75	U	0.086	0.75	0.73	U	0.083	0.73	0.9	U	0.1	0.9	0.79	U	0.09	0.79
1,2-Dichloroethene (total)	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
1,2-Dichloropropane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
1,3,5-Trimethylbenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.13	0.92	0.81	U	0.12	0.81
1,3-Butadiene	0.93	U	0.16	0.93	0.79	U	0.13	0.79	0.79	U	0.13	0.79	0.75	U	0.13	0.75	0.25	J	0.12	0.73	0.9	U	0.15	0.9	0.79	U	0.13	0.79
1,3-Dichlorobenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.12	0.77	0.74	U	0.11	0.74	0.92	U	0.14	0.92	0.81	U	0.12	0.81
1,4-Dichlorobenzene	0.93	U	0.15	0.93	0.79	U	0.12	0.79	0.26	J	0.12	0.79	0.15	J	0.12	0.75	0.25	J	0.11	0.73	0.9	U	0.14	0.9	0.27	J	0.12	0.79
1,4-Dioxane	0.93	U	0.11	0.93	0.4	J	0.096	0.79	1.6		0.096	0.79	0.75	U	0.091	0.75	3	J	0.088	0.73	0.16	J	0.11	0.9	0.31	J	0.096	0.79
2-Butanone	0.28	J	0.2	1.8	2.9		0.17	1.5	1	J	0.17	1.5	0.56	J	0.16	1.5	2		0.15	1.4	1.3	J	0.19	1.7	0.57	J	0.17	1.5
2-Hexanone	1.8	U	0.12	1.8	1.5	U	0.1	1.5	0.22	J	0.1	1.5	1.5	U	0.096	1.5	0.44	J	0.092	1.4	0.2	J	0.11	1.7	1.5	U	0.1	1.5
2-Propanol	1.2	J	0.39	1.8	0.69	J	0.33	1.5	100		0.33	1.5	87		0.32	1.5	99		0.31	1.4	93		0.38	1.7	130		0.33	1.5
4-Ethyltoluene	0.94	U	0.15	0.94	0.81	U	0.13	0.81	0.81	U	0.13	0.81	0.77	U	0.12	0.77	0.74	U	0.12	0.74	0.92	U	0.15	0.92	0.81	U	0.13	0.81
4-Methyl-2-pentanone	1.8	U	0.13	1.8	1.5	U	0.11	1.5	0.26	J	0.11	1.5	0.17	J	0.11	1.5	5.2	J	0.1	1.4	0.25	J	0.13	1.7	0.23	J	0.11	1.5
Acetic acid, methyl ester	0.89	U	0.43	0.89	0.76	U	0.36	0.76	0.85		0.36	0.76	0.78		0.35	0.73	1.2		0.34	0.7	0.75	J	0.42	0.87	0.85		0.36	0.76
Acetone	3.1	J	2.1	9.3	18		1.8	7.9	29		1.8	7.9	24		1.7	7.5	34		1.7	7.3	29		2.1	9	29		1.8	7.9
Allyl chloride	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.1	0.73	0.9	U	0.13	0.9	0.79	U	0.11	0.79
Benzene	0.55	J	0.14	0.93	0.94		0.12	0.79	0.78	J	0.12	0.79	0.76		0.11	0.75	0.75		0.11	0.73	0.91		0.13	0.9	0.74	J	0.12	0.79
Bromodichloromethane	0.93	U	0.14	0.93	0.79	U	0.12	0.79	0.17	J	0.12	0.79	0.18	J	0.11	0.75	0.12	J	0.11	0.73	0.17	J	0.13	0.9	0.16	J	0.12	0.79
Bromoform	0.94	U	0.2	0.94	0.81	U	0.17	0.81	0.81	U	0.17	0.81	0.77	U	0.16	0.77	0.74	U	0.15	0.74	0.92	U	0.19	0.92	0.81	U	0.17	0.81
Bromomethane	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.11	0.75	0.73	U	0.1	0.73	0.9	U	0.13	0.9	0.79	U	0.11	0.79
Carbon disulfide	1.8	U	0.28	1.8	12		0.24	1.5	0.24	J	0.24	1.5	1.5	U	0.23	1.5	1.8	J	0.22	1.4	1.3	J	0.28	1.7	0.67	J	0.24	1.5
Carbon tetrachloride	0.36		0.13	0.18	0.32		0.11	0.15	0.38		0.11	0.15	0.37		0.11	0.15	0.36		0.1	0.14	0.36		0.13	0.17	0.37		0.11	0.15
Chlorobenzene	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.099	0.73	0.9	U	0.12	0.9	0.79	U	0.11	0.79
Chlorodifluoromethane	0.49	J	0.45	0.89	0.49	J	0.38	0.76	0.61	J	0.38	0.76	0.57	J	0.36	0.73	0.49	J	0.35	0.7	0.54	J	0.44	0.87	0.57	J	0.38	0.76
Chloroethane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
Chloroform	0.94	U	0.13	0.94	2.6		0.11	0.81	1.8		0.11	0.81	1.9		0.1	0.77	1.2		0.099	0.74	1.7		0.12	0.92	1.8		0.11	0.81
Chloromethane	0.19	J	0.15	0.93	0.79	U	0.13	0.79	0.26	J	0.13	0.79	0.23	J	0.12	0.75	0.21	J	0.12	0.73	0.2	J	0.15	0.9	0.22	J	0.13	0.79
cis-1,2-Dichloroethene	0.2	U	0.13	0.2	0.17	U	0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.11	0.16	0.15	U	0.11	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17
cis-1,3-Dichloropropene	0.94	U	0.15	0.94	0.81	U	0.13	0.81	0.81	U	0.13	0.81	0.77	U	0.12	0.77	0.74	U	0.12	0.74	0.92	U	0.14	0.92	0.81	U	0.13	0.81
Cyclohexane	1.8	U	0.27	1.8	1.5	U	0.23	1.5	1.5	U	0.23	1.5	0.22	J	0.22	1.5	1.4	U	0.21	1.4	0.35	J	0.26	1.7	1.5	U	0.23	1.5
Dibromochloromethane	0.93	U	0.12	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.098	0.73	0.9	U	0.12	0.9	0.79	U	0.11	0.79
Dichlorodifluoromethane	2.3		0.15	0.93	2.3		0.13	0.79	2.3		0.13	0.79	2.3		0.13	0.75	2.3		0.12	0.73	2.3		0.15	0.9	2.3		0.13	0.79
Difluoroethane	0.89	U	0.46	0.89	0.89		0.4	0.76	2.3		0.4	0.76	0.67	J	0.38	0.73	0.42	J	0.36	0.7	0.9		0.45	0.87	0.66	J	0.4	0.76
Ethylbenzene	0.15	J	0.13	0.93	0.79	U	0.11	0.79	0.27	J	0.11	0.79	0.25	J	0.11	0.75	0.22	J	0.11	0.73	0.32	J	0.13	0.9	0.27	J	0.11	0.79
Freon 115	0.89	U	0.41	0.89	0.76	U	0.35	0.76	0.76	U	0.35	0.76	0.73	U	0.33	0.73	0.7	U	0.32	0.7	0.87	U	0.4	0.87	0.76	U	0.35	0.76
Freon 123	0.89	U	0.43	0.89	0.76	U	0.36	0.76	0.76	U	0.36	0.76	0.73	U	0.35	0.73	0.7	U	0.34	0.7	0.87	U	0.42	0.87	0.76	U	0.36	0.76
Hexachlorobutadiene	0.93	U	0.2	0.93	0.79	U	0.17	0.79	0.79	U	0.17	0.79	0.75	U	0.16	0.75	0.73	U	0.15	0.73	0.9	U	0.19	0.9	0.79	U	0.17	0.79
Hexane	0.38	J	0.2	0.93	0.47	J	0.17	0.79	0.48	J	0.17	0.79	0.61	J	0.16	0.75	0.44	J	0.15	0.73	1.1		0.19	0.9	0.47	J	0.17	0.79
Isopropylbenzene	0.93	U	0.14	0.93	0.79	U	0.12	0.79	0.79	U	0.12	0.79	0.75	U	0.11	0.75	0.73	U	0.11	0.73	0.9	U	0.13	0.9	0.79	U	0.12	0.79
Methyl cyclohexane	0.89	U	0.46	0.89	0.76	U	0.4	0.76	0.76	U	0.4	0.76	0.73	U	0.38	0.73	0.7	U	0.36	0.7	0.87	U	0.45	0.87	0.76	U	0.4	0.76
Methyl Tertbutyl Ether	0.93	U	0.11	0.93	0.79	U	0.096	0.79	0.79	U	0.096	0.79	0.75	U	0.091	0.75	0.73	U	0.088	0.73	0.9	U	0.11	0.9	0.79	U	0.096	0.79
Methylene chloride	0.42	J	0.27	0.93	0.79	U	0.23	0.79	0.35	J	0.23	0.79	0.56	J	0.22	0.75	0.32	J	0.21	0.73	0.39	J	0.26	0.9	0.32	J	0.23	0.79
Styrene	0.93	U	0.15	0.93	0.79	U	0.13	0.79	0.21	J	0.13	0.79	0.13	J	0.12	0.75	0.19	J	0.12	0.73	0.21	J	0.15	0.9	0.2	J	0.13	0.79
Tetrachloroethene	0.93	U	0.12	0.93	0.23	J	0.1	0.79	0.79	U	0.1	0.79	0.2	J	0.1	0.75	0.73	U	0.097	0.73	0.9	U	0.12	0.9	0.79	U	0.1	0.79
Toluene	0.77	J	0.12	0.93	0.26	J	0.099	0.79	1.3		0.099	0.79	1.7		0.094	0.75	1.1		0.091	0.73	1.6		0.11	0.9	1.5		0.099	0.79
trans-1,2-Dichloroethene	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.1	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
trans-1,3-Dichloropropene	0.91	U	0.2	0.91	0.78	U	0.17	0.78	0.78	U	0.17	0.78	0.74	U	0.16	0.74	0.71	U	0.15	0.71	0.89	U	0.19	0.89	0.78	U	0.17	0.78

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID					**AA-01**								**IA-12**								**IA-C20**			
Lab Sample ID					P2006972-011								P2006972-010								P2006972-007			
Sampling Date					12/10/2020								12/10/2020								12/10/2020			
Matrix					AIR								AIR								AIR			
Dilution Factor					1.78								1.52								1.52			
Unit					UG/M3								UG/M3								UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
Trichloroethene	0.2	U	0.13	0.2	0.32		0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19
Trichlorofluoromethane	1.2		0.14	0.91	1.2		0.12	0.78	1.2		0.12	0.78	1.2		0.12	0.74	1.1		0.11	0.71	1.1		0.14	0.89
Vinyl chloride	0.2	U	0.1	0.2	0.17	U	0.087	0.17	0.17	U	0.087	0.17	0.16	U	0.083	0.16	0.15	U	0.08	0.15	0.19	U	0.099	0.19
Xylene, o	0.18	J	0.14	0.94	0.81	U	0.12	0.81	0.36	J	0.12	0.81	0.32	J	0.11	0.77	0.28	J	0.11	0.74	0.39	J	0.13	0.92
Xylenes (m&p)	0.45	J	0.25	1.8	1.5	U	0.21	1.5	0.89	J	0.21	1.5	0.8	J	0.2	1.5	0.75	J	0.2	1.4	0.98	J	0.24	1.7

Sample ID					**IA-D13**								**IA-DUP-1**								**IA-DUP-2**			
Lab Sample ID					P2006972-003								P2006972-012								P2006972-013			
Sampling Date					12/10/2020								12/10/2020								12/10/2020			
Matrix					AIR								AIR								AIR			
Dilution Factor					1.45								1.4								1.74			
Unit					UG/M3								UG/M3								UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
Trichloroethene	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17								
Trichlorofluoromethane	1.2		0.12	0.74	1.1		0.11	0.71	1.1		0.14	0.89	1.2		0.12	0.78								
Vinyl chloride	0.16	U	0.083	0.16	0.15	U	0.08	0.15	0.19	U	0.099	0.19	0.17	U	0.087	0.17								
Xylene, o	0.32	J	0.11	0.77	0.28	J	0.11	0.74	0.39	J	0.13	0.92	0.33	J	0.12	0.81								
Xylenes (m&p)	0.8	J	0.2	1.5	0.75	J	0.2	1.4	0.98	J	0.24	1.7	0.84	J	0.21	1.5								

J: Estimated Value

U : Analyte was analyzed for but not detected.

Q: Qualifier

MDL: Method Detection Limit

MRL: Method Reporting Limit

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	IA-E16				IA-E21.5				IA-F13				IA-G18				IA-G5				IA-H21			
Lab Sample ID	P2006972-005				P2006972-008				P2006972-004				P2006972-006				P2006972-001				P2006972-009			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.44				1.4				1.47				1.6				1.45				1.54			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
1,1,1-Trichloroethane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.75	U	0.096	0.75	0.8	U	0.1	0.8
1,1,2,2-Tetrachloroethane	0.76	U	0.11	0.76	0.74	U	0.1	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.11	0.82
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5	J	0.11	0.76	0.51	J	0.11	0.74	0.52	J	0.11	0.78	0.51	J	0.12	0.85	0.5	J	0.11	0.77	0.51	J	0.12	0.82
1,1,2-Trichloroethane	0.75	U	0.078	0.75	0.73	U	0.076	0.73	0.76	U	0.079	0.76	0.83	U	0.086	0.83	0.75	U	0.078	0.75	0.8	U	0.083	0.8
1,1-Dichloroethane	0.78	U	0.11	0.78	0.76	U	0.11	0.76	0.79	U	0.11	0.79	0.86	U	0.12	0.86	0.78	U	0.11	0.78	0.83	U	0.12	0.83
1,1-Dichloroethene	0.16	U	0.11	0.16	0.15	U	0.1	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.11	0.16	0.17	U	0.11	0.17
1,2,4-Trichlorobenzene	1.4	U	0.19	1.4	1.4	U	0.18	1.4	1.5	U	0.19	1.5	1.6	U	0.21	1.6	1.5	U	0.19	1.5	1.5	U	0.2	1.5
1,2,4-Trimethylbenzene	0.42	J	0.11	0.75	0.47	J	0.1	0.73	0.4	J	0.11	0.76	0.42	J	0.12	0.83	0.36	J	0.11	0.75	0.38	J	0.11	0.8
1,2-Dibromo-3-chloropropane	1.4	U	0.14	1.4	1.4	U	0.14	1.4	1.5	U	0.15	1.5	1.6	U	0.16	1.6	1.5	U	0.15	1.5	1.5	U	0.15	1.5
1,2-Dibromoethane	0.75	U	0.089	0.75	0.73	U	0.087	0.73	0.76	U	0.091	0.76	0.83	U	0.099	0.83	0.75	U	0.09	0.75	0.8	U	0.095	0.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.75	U	0.12	0.75	0.73	U	0.12	0.73	0.76	U	0.12	0.76	0.83	U	0.13	0.83	0.75	U	0.12	0.75	0.8	U	0.13	0.8
1,2-Dichlorobenzene	0.76	U	0.11	0.76	0.74	U	0.11	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.11	0.77	0.82	U	0.12	0.82
1,2-Dichloroethane	0.75	U	0.085	0.75	0.73	U	0.083	0.73	0.76	U	0.087	0.76	0.83	U	0.094	0.83	0.75	U	0.086	0.75	0.8	U	0.091	0.8
1,2-Dichloroethene (total)	0.76	U	0.11	0.76	0.74	U	0.11	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.12	0.82
1,2-Dichloropropane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.75	U	0.096	0.75	0.8	U	0.1	0.8
1,3,5-Trimethylbenzene	0.12	J	0.11	0.76	0.14	J	0.11	0.74	0.11	J	0.11	0.78	0.85	U	0.12	0.85	0.13	J	0.11	0.77	0.82	U	0.12	0.82
1,3-Butadiene	0.75	U	0.13	0.75	0.73	U	0.12	0.73	0.76	U	0.13	0.76	0.83	U	0.14	0.83	0.75	U	0.13	0.75	0.8	U	0.14	0.8
1,3-Dichlorobenzene	0.76	U	0.12	0.76	0.74	U	0.11	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.12	0.77	0.82	U	0.12	0.82
1,4-Dichlorobenzene	0.26	J	0.12	0.75	0.17	J	0.11	0.73	0.28	J	0.12	0.76	0.29	J	0.13	0.83	0.17	J	0.12	0.75	0.27	J	0.13	0.8
1,4-Dioxane	0.75	U	0.091	0.75	0.097	J	0.088	0.73	0.11	J	0.093	0.76	0.83	U	0.1	0.83	0.59	J	0.091	0.75	0.8	U	0.097	0.8
2-Butanone	0.6	J	0.16	1.4	1.3	J	0.15	1.4	0.68	J	0.16	1.5	0.55	J	0.18	1.6	1.5		0.16	1.5	0.61	J	0.17	1.5
2-Hexanone	0.098	J	0.095	1.4	1.4	U	0.092	1.4	1.5	U	0.097	1.5	1.6	U	0.11	1.6	0.29	J	0.096	1.5	1.5	U	0.1	1.5
2-Propanol	97		0.32	1.4	57		0.31	1.4	110		0.32	1.5	99		0.35	1.6	98		0.32	1.5	130		0.34	1.5
4-Ethyltoluene	0.76	U	0.12	0.76	0.12	J	0.12	0.74	0.78	U	0.12	0.78	0.85	U	0.14	0.85	0.77	U	0.12	0.77	0.82	U	0.13	0.82
4-Methyl-2-pentanone	0.23	J	0.11	1.4	0.58	J	0.1	1.4	0.21	J	0.11	1.5	0.17	J	0.12	1.6	0.34	J	0.11	1.5	0.22	J	0.11	1.5
Acetic acid, methyl ester	0.86		0.35	0.72	0.79		0.34	0.7	0.87		0.35	0.74	0.8		0.38	0.8	1.2		0.35	0.73	0.91		0.37	0.77
Acetone	27		1.7	7.5	17		1.7	7.3	29		1.8	7.6	25		1.9	8.3	33		1.7	7.5	27		1.8	8
Allyl chloride	0.75	U	0.1	0.75	0.73	U	0.1	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Benzene	0.86		0.11	0.75	1.2		0.11	0.73	0.75	J	0.11	0.76	0.99		0.12	0.83	0.73	J	0.11	0.75	0.76	J	0.12	0.8
Bromodichloromethane	0.17	J	0.11	0.75	0.73	U	0.11	0.73	0.17	J	0.11	0.76	0.18	J	0.12	0.83	0.11	J	0.11	0.75	0.15	J	0.12	0.8
Bromoform	0.76	U	0.16	0.76	0.74	U	0.15	0.74	0.78	U	0.16	0.78	0.85	U	0.18	0.85	0.77	U	0.16	0.77	0.82	U	0.17	0.82
Bromomethane	0.75	U	0.11	0.75	0.73	U	0.1	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.11	0.75	0.8	U	0.11	0.8
Carbon disulfide	1.4	U	0.23	1.4	0.58	J	0.22	1.4	0.86	J	0.24	1.5	1.6	U	0.26	1.6	6.4	J	0.23	1.5	0.66	J	0.25	1.5
Carbon tetrachloride	0.37		0.11	0.14	0.38		0.1	0.14	0.36		0.11	0.15	0.37		0.12	0.16	0.37		0.11	0.15	0.38		0.11	0.15
Chlorobenzene	0.75	U	0.1	0.75	0.73	U	0.099	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Chlorodifluoromethane	0.53	J	0.36	0.72	0.73		0.35	0.7	0.53	J	0.37	0.74	0.59	J	0.4	0.8	0.43	J	0.36	0.73	0.61	J	0.39	0.77
Chloroethane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.12	J	0.096	0.75	0.8	U	0.1	0.8
Chloroform	1.8		0.1	0.76	0.99		0.099	0.74	1.8		0.1	0.78	1.7		0.11	0.85	1.2		0.1	0.77	1.8		0.11	0.82
Chloromethane	0.2	J	0.12	0.75	0.17	J	0.12	0.73	0.22	J	0.13	0.76	0.22	J	0.14	0.83	0.2	J	0.12	0.75	0.24	J	0.13	0.8
cis-1,2-Dichloroethene	0.16	U	0.11	0.16	0.15	U	0.11	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.11	0.16	0.17	U	0.12	0.17
cis-1,3-Dichloropropene	0.76	U	0.12	0.76	0.74	U	0.12	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.12	0.77	0.82	U	0.13	0.82
Cyclohexane	0.3	J	0.22	1.4	0.29	J	0.21	1.4	1.5	U	0.22	1.5	0.35	J	0.24	1.6	1.5	U	0.22	1.5	1.5	U	0.23	1.5
Dibromochloromethane	0.75	U	0.1	0.75	0.73	U	0.098	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Dichlorodifluoromethane	2.3		0.13	0.75	2.3		0.12	0.73	2.4		0.13	0.76	2.3		0.14	0.83	2.3		0.13	0.75	2.3		0.13	0.8
Difluoroethane	0.75		0.37	0.72	0.53	J	0.36	0.7	0.66	J	0.38	0.74	1.9		0.42	0.8	0.73	U	0.38	0.73	0.9		0.4	0.77
Ethylbenzene	0.29	J	0.11	0.75	0.32	J	0.11	0.73	0.29	J	0.11	0.76	0.31	J	0.12	0.83	0.4	J	0.11	0.75	0.25	J	0.12	0.8
Freon 115	0.72	U	0.33	0.72	0.7	U	0.32	0.7	0.74	U	0.34	0.74	0.8	U	0.37	0.8	0.73	U	0.33	0.73	0.77	U	0.35	0.77
Freon 123	0.72	U	0.35	0.72	0.7	U	0.34	0.7	0.74	U	0.35	0.74	0.8	U	0.38	0.8	0.73	U	0.35	0.73	0.77	U	0.37	0.77
Hexachlorobutadiene	0.75	U	0.16	0.75	0.73	U	0.15	0.73	0.76	U	0.16	0.76	0.83	U	0.18	0.83	0.75	U	0.16	0.75	0.8	U	0.17	0.8
Hexane	0.89		0.16	0.75	0.98		0.15	0.73	0.51	J	0.16	0.76	1.1		0.18	0.83	0.51	J	0.16	0.75	0.52	J	0.17	0.8
Isopropylbenzene	0.75	U	0.11	0.75	0.73	U	0.11	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.11	0.75	0.8	U	0.12	0.8
Methyl cyclohexane	0.4	J	0.37	0.72	0.42	J	0.36	0.7	0.74	U	0.38	0.74	0.49	J	0.42	0.8	0.73	U	0.38	0.73	0.77	U	0.4	0.77
Methyl Tertbutyl Ether	0.75	U	0.091	0.75	0.73	U	0.088	0.73	0.76	U	0.093	0.76	0.83	U	0.1	0.83	0.75	U	0.091	0.75	0.8	U	0.097	0.8
Methylene chloride	0.33	J	0.22	0.75	0.32	J	0.21	0.73	0.32	J	0.22	0.76	0.33	J	0.24	0.83	0.33	J	0.22	0.75	0.32	J	0.23	0.8
Styrene	0.19	J	0.12	0.75	0.43	J	0.12	0.73	0.19	J	0.13	0.76	0.2	J	0.14	0.83	0.75	U	0.12	0.75	0.16	J	0.13	0.8
Tetrachloroethene	0.099	J	0.099	0.75	0.1	J	0.097	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.12	J	0.1	0.75	0.12	J	0.11	0.8
Toluene	1.6		0.094	0.75	1.5		0.091	0.73	1.3		0.096	0.76	1.7		0.1	0.83	1.3		0.094	0.75	1.3		0.1	0.8
trans-1,2-Dichloroethene	0.76	U	0.11	0.76	0.74	U	0.1	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.11	0.82
trans-1,3-Dichloropropene	0.73	U	0.16	0.73	0.71	U	0.15	0.71	0.75	U	0.16	0.75	0.82	U	0.18	0.82	0.74	U	0.16	0.74	0.79	U	0.17	0.79

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID					**IA-E16**				**IA-E21.5**				**IA-F13**				**IA-G18**				**IA-G5**				**IA-H21**			
Lab Sample ID					P2006972-005				P2006972-008				P2006972-004				P2006972-006				P2006972-001				P2006972-009			
Sampling Date					12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix					AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor					1.44				1.4				1.47				1.6				1.45				1.54			
Unit					UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																												
Trichloroethene	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.1	0.16	0.17	U	0.11	0.17				
Trichlorofluoromethane	1.2		0.12	0.73	1.2		0.11	0.71	1.2		0.12	0.75	1.2		0.13	0.82	1.2		0.12	0.74	1.2		0.12	0.79				
Vinyl chloride	0.16	U	0.082	0.16	0.15	U	0.08	0.15	0.16	U	0.084	0.16	0.18	U	0.091	0.18	0.16	U	0.083	0.16	0.17	U	0.088	0.17				
Xylene, o	0.37	J	0.11	0.76	0.39	J	0.11	0.74	0.33	J	0.11	0.78	0.37	J	0.12	0.85	0.36	J	0.11	0.77	0.33	J	0.12	0.82				
Xylenes (m&p)	0.92	J	0.2	1.4	0.96	J	0.2	1.4	0.85	J	0.21	1.5	0.97	J	0.22	1.6	0.92	J	0.2	1.5	0.81	J	0.22	1.5				

J: Estimated Value

U : Analyte was analyzed for but not detected.

Q: Qualifier

MDL: Method Detection Limit

MRL: Method Reporting Limit

Volatile Organic Compounds (VOCs) in Commonly Used Products

People spend most of their time indoors – at home, school and work. This makes the quality of the indoor air you breathe important. This fact sheet focuses on certain kinds of chemicals called *volatile organic compounds* or *VOCs* that are found in many products that we commonly use. It is designed to help you think about what VOCs may be present in your indoor air and steps you can take to reduce them.

What are VOCs?

VOCs are chemicals that easily enter the air as gases from some solids or liquids. They are ingredients in many commonly used products and are in the air of just about every indoor setting. The table to the right shows some examples of products that contain VOCs.

How do VOCs get into indoor air?

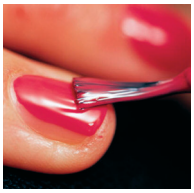
Products containing VOCs can release these chemicals when they are used and when they are stored. Many times you'll notice an odor when using these products. Product labels often list VOC ingredients and recommend that they should be used in well ventilated areas. *Ventilation* means bringing in fresh, outdoor air to mix with indoor air.

When you use a product containing VOCs indoors, the levels of these chemicals in the air increase, then decrease over time after you stop using them. The amount of time the chemical stays in the air depends on how quickly fresh air enters the room and the amount of the chemical used. Levels of VOCs will decrease faster if you open windows or doors, or use exhaust fans.

Building materials and furnishings, such as new carpets or furniture, slowly release VOCs over time. It may be necessary to ventilate areas with new carpeting or furniture for longer time periods because VOC levels can build up again after the windows are closed. If possible, unroll new carpets or store furniture outside your home (in a shed or detached garage) to minimize odors before bringing them in the home. If that's not possible, open windows, close doors and try to stay out of rooms until odors are reduced.

If VOC containing products are used outdoors near your home, you may want to close windows and nearby vents to prevent chemicals from coming inside.

Products used at home or work can release VOCs into the air when used and stored.



Examples of Household Products	Possible VOC Ingredients
Fuel containers or devices using gasoline, kerosene, fuel oil and products with petroleum distillates: paint thinner, oil-based stains and paint, aerosol or liquid insect pest products, mineral spirits, furniture polishes	BTEX (benzene, toluene, ethylbenzene, xylene), hexane, cyclohexane, 1,2,4-trimethylbenzene
Personal care products: nail polish, nail polish remover, colognes, perfumes, rubbing alcohol, hair spray	Acetone, ethyl alcohol, isopropyl alcohol, methacrylates (methyl or ethyl), ethyl acetate
Dry cleaned clothes, spot removers, fabric/ leather cleaners	Tetrachloroethene (perchloroethene (PERC), trichloroethene (TCE))
Citrus (orange) oil or pine oil cleaners, solvents and some odor masking products	d-limonene (citrus odor), a-pinene (pine odor), isoprene
PVC cement and primer, various adhesives, contact cement, model cement	Tetrahydrofuran, cyclohexane, methyl ethyl ketone (MEK), toluene, acetone, hexane, 1,1,1-trichloroethane, methyl-iso-butyl ketone (MIBK)
Paint stripper, adhesive (glue) removers	Methylene chloride, toluene, older products may contain carbon tetrachloride
Degreasers, aerosol penetrating oils, brake cleaner, carburetor cleaner, commercial solvents, electronics cleaners, spray lubricants	Methylene chloride, PERC, TCE, toluene, xylenes, methyl ethyl ketone, 1,1,1-trichloroethane
Moth balls, moth flakes, deodorizers, air fresheners	1,4-dichlorobenzene, naphthalene
Refrigerant from air conditioners, freezers, refrigerators, dehumidifiers	Freons (trichlorofluoromethane, dichlorodifluoromethane)
Aerosol spray products for some paints, cosmetics, automotive products, leather treatments, pesticides	Heptane, butane, pentane
Upholstered furniture, carpets, plywood, pressed wood products	Formaldehyde

VOCs can also get into indoor air from contaminated soils and groundwater under buildings. The chemicals enter buildings through cracks and openings in basements or slabs. When nearby soil or groundwater is contaminated, you might be asked for permission to investigate indoor air at your property. More information can be found at *www.nyhealth.gov/environmental/indoors/vapor_intrusion/*.

Should I be surprised if VOCs are in the air I breathe?

No. Because they are commonly used, some VOCs are almost always found in indoor air. The New York State Department of Health (DOH) and other agencies have studied typical levels of VOCs that may be present in indoor and outdoor air. Sometimes these levels are called "*background levels*".

The term "background levels" can be confusing because they can vary depending on where an air sample was collected and whether VOCs were used or stored. For example, a study of VOCs in urban areas might find higher levels than another study in rural areas. Some studies look at office environments, others examine residences. Please keep in mind study findings may or may not make sense for your setting.

More information about levels of VOCs collected by DOH is available in Appendix C of the guidance for evaluating vapor intrusion at *www.nyhealth.gov/environmental/investigations/soil_gas/svi_guidance.*

How can VOCs affect human health?

Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*. No matter how dangerous a substance or activity is, it cannot harm you without exposure.

Whether or not a person will have health effects after breathing in VOCs depends on:

The *toxicity* of the chemical (the amount of harm that can be caused by contact with the chemical).
How much of the chemical is in the air.
How long and how often the air is breathed.

Differences in age, health condition, gender and exposure to other chemicals also can affect whether or not a person will have health effects.

Short-term exposure to high levels of some VOCs can cause headaches, dizziness, light-headedness, drowsiness, nausea, and eye and respiratory irritation. These effects usually go away after the exposure stops. In laboratory animals, long-term exposure to high levels of some VOCs has caused cancer and affected the liver, kidney and nervous system. In general, we recommend minimizing exposure to chemicals, if possible.

How can I reduce the levels of VOCs indoors?

Find out if products used or stored in your home contain VOCs. Information about the chemicals in many household products are listed on the front of this fact sheet and a larger list is on the National Institute of Health's website at *hpd.nlm.nih.gov/products.htm*.

If you must store products containing VOCs, do so in tightly sealed, original containers in a secure and well-ventilated area. If possible store products in places where people do not spend much time, such as a garage or outdoor shed. Better yet, buy these products in amounts that are used quickly.

Dispose of unneeded products containing VOCs. Many of these products are considered *household hazardous wastes* and should be disposed of at special facilities or during special household hazardous waste collection programs in your area. Contact your town or visit the New York State Department of Environmental Conservation's website at *www.dec.ny.gov/chemical/8485.html* for more information about disposing of these products.

Use products containing VOCs in well-ventilated areas or outdoors. Open windows and doors or use an exhaust fan to increase ventilation. Repeated or prolonged ventilation may be necessary for reducing levels from building materials (new carpeting or furniture) that release VOCs slowly over time.

Carefully read labels and follow directions for use.

Where can I find out more?

- **New York State Department of Health**
  www.health.ny.gov/environmental
- **New York State Department of Environmental Conservation**
  www.dec.ny.gov/chemical/8485.html
- **NYSERDA's Indoor Air Quality and Your Home**
  www.nyserda.ny.gov/-/media/Files/Publications/Research/Other-Technical-Reports/indoor-air-quality.pdf
  USEPA information on Indoor Air Quality
  www.epa.gov/iaq/pubs/index.html
- **New York State Department of Environmental Conservation**
  www.dec.ny.gov/chemical/8485.html
- **National Institute of Health**
  http://hpd.nlm.nih.gov/products.htm

NEW YORK STATE | Department of Health

6513 5/18

Lockheed Martin Corporation
6801 Rockledge Drive
MP CCT 246
Bethesda, MD 20817

February 22, 2021

Ms. Phyllis MacKnight
Lease Administrator LA Fitness
C\O KeyPoint Partners
1111 Marcus Avenue
Lake Success, NY 11042

RE: Vapor Intrusion (VI) Sampling Test Results

Dear Ms. MacKnight:

Thank you for your cooperation in allowing our contractor, AMEC E&E, PC, to collect indoor air samples from your leasehold at 1111 Marcus Avenue (Unisys Site No.130045). Indoor air (IA) vapor samples were collected from the LA Fitness building on December 10, 2020 during the heating season. This correspondence is written to provide you with the sampling results.

The primary chemicals of concern related to historical activities at the former Unisys Site are the solvents trichloroethene (TCE), tetrachloroethene (PCE), cis-1,2-dichloroethene (DCE), and Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane), although there were other chemicals used at the site. These chemicals are present in groundwater located more than 100 feet below ground surface and may also be present in soils located under the slab at 1111 Marcus Avenue. Under certain conditions, vapors from contaminated soil and/or contaminated groundwater may move into the indoor air through a process referred to as soil vapor intrusion.

Lockheed Martin Corporation (Lockheed Martin), in consultation with the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), has reviewed the results from your leasehold per NYSDOH's October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. A copy of this guidance is available on NYSDOH's website at http://www.health.state.ny.us/environmental/indoors/vapor_intrusion/. Note that certain aspects of the guidance have been updated subsequent to October 2006, most recently in May 2017.

Based upon an evaluation of the results of the sample analysis from 2018 and a comparison of those data to the current NYSDOH Soil Vapor Intrusion guidance (updated in May 2017), a sub-slab depressurization system (SSDS) was installed in the northwestern portion of the LA Fitness building. Lockheed Martin arranged for the design and installation of the NYSDEC and NYSDOH approved SSDS. Construction of the LA Fitness SSDS was initiated in December 2018 and

completed in February 2019. The system consists of two sub slab extraction points, each with riser pipes and roof-top-mounted vapor extraction blowers. The approximate radius of influence of the extraction point operating during sampling is shown on Figure 1. One extraction point was out-of-service due to blower malfunction during the sampling event. The required sub-slab vacuum was maintained with the remaining blower.

The December 10, 2020 indoor air sample results indicate that all indoor air concentrations of TCE and PCE continue to be below the NYSDOH VI Guidance indoor air guidelines of 2 micrograms per cubic meter ($\mu g/m^3$) and 30 $\mu g/m^3$, respectively. The sample collected inside the crawlspace (IA-12F) had an estimated TCE concentration of 0.32 $\mu g/m^3$ and a PCE concentration of 0.23 $\mu g/m^3$. Because the crawlspace is kept sealed and is not accessible, this does not represent a current exposure pathway, although these concentrations are also below indoor air guidelines. The sample locations and summary of analytical results are presented in Figure 1. All sample results are presented in Table 1.

The indoor air quality of your leasehold is comparable to that of buildings not affected by environmental contamination. The majority of the volatile organic chemicals detected in the indoor air are at levels typically found in most homes and businesses in an urban area and do not present a concern. However, chloroform was detected slightly above typical indoor air background levels suggesting that the results are likely associated with the chlorinated pool, pool products and/or rubber floor mats (e.g. background sources). Other compounds including acetone, acetic acid (methyl ester), 1,1-difluoroethane (aka: Freon 152a), 1,4-dioxane, 2-propanol (aka: isopropyl alcohol), 2-butanone (aka: MEK), carbon disulfide, chloroform, toluene, and xylenes, were detected at low levels in this year's samples. Lockheed Martin believes that the isopropyl alcohol detections are related to the use of COVID-19 disinfectants and these other detections are likely related to the remnants of adhesives, finishes, and paints used in the recent renovations at the LA Fitness facility. The enclosed NYSDOH Fact Sheet provides some information on reducing exposures to volatile chemicals found in household products.

If you need additional details, feel free to contact Ms. Renata Ockerby of the NYSDOH at 1-518-402-7860 (Renata.Ockerby@health.ny.gov) or Mr. Girish Desai of the NYSDEC at 631-444-0243 (girish.desai@dec.ny.gov). If there are questions or need clarification on these results or the on-going environmental investigations and cleanup at the former Unisys Facility, please contact me at 1-817-901-9933 or via e-mail at Glenda.b.clark@lmco.com.

Again, thank you for allowing us access to your leasehold to evaluate the air quality. Lockheed Martin appreciates your assistance in our environmental investigation.

Sincerely,

Glenda B Clark

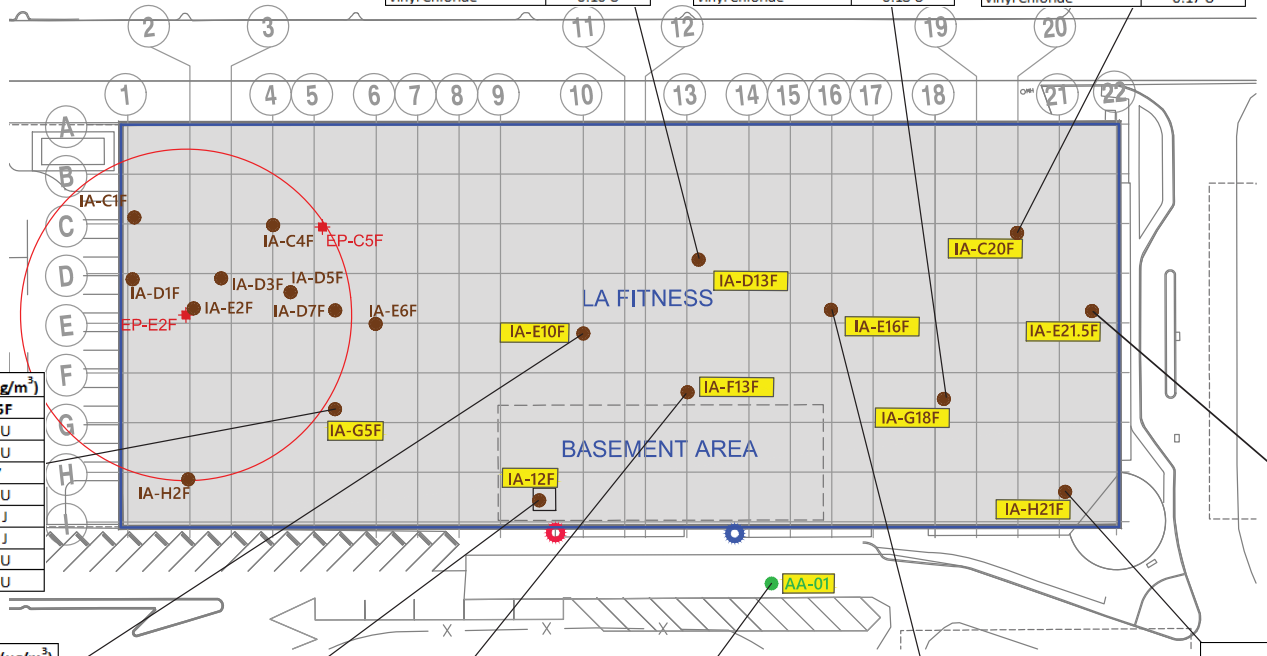
Glenda B. Clark

cc: Renata Ockerby/NYSDOH
Girish Desai/NYSDEC
Stu Pearson/AMEC E&E, PC
Eric Weinstock/AMEC E&E, PC

Analyte	Result (ug/m^3) IA-D13F
1,1,1-Trichloroethane	0.75 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.56 J
Tetrachloroethene	0.2 J
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) IA-G18F
1,1,1-Trichloroethane	0.83 U
1,1-Dichlorethene	0.18 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.18 U
Methylene chloride	0.33 J
Tetrachloroethene	0.83 U
Trichloroethene	0.18 U
Vinyl Chloride	0.18 U

Analyte	Result (ug/m^3) IA-C20F
1,1,1-Trichloroethane	0.79 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.35 J
Tetrachloroethene	0.79 U
Trichloroethene	0.17 U
Vinyl Chloride	0.17 U



LEGEND

- IA-H21F — INDOOR AIR SAMPLE LOCATION
- EP-C5F — EXTRACTION POINT
- 80 - FOOT RADIUS OF INFLUENCE
- PASSIVE VENT EXHAUST
- PASSIVE VENT INLET
- AA-01 — AMBIENT AIR SAMPLE LOCATION
- DENOTES LOCATIONS SAMPLED IN 2020

Analyte	Result (ug/m^3) IA-G5F
1,1,1-Trichloroethane	0.75 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.33 J
Tetrachloroethene	0.12 J
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) IA-E21.5F
1,1,1-Trichloroethane	0.73 U
1,1-Dichlorethene	0.15 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.15 U
Methylene chloride	0.32 J
Tetrachloroethene	0.1 J
Trichloroethene	0.15 U
Vinyl Chloride	0.15 U

Analyte	Result (ug/m^3) IA-E10F
1,1,1-Trichloroethane	0.79 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.32 J
Tetrachloroethene	0.79 U
Trichloroethene	0.17 U
Vinyl Chloride	0.17 U

Analyte	Result (ug/m^3) IA-12F
1,1,1-Trichloroethane	0.79 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.32
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.79 U
Tetrachloroethene	0.23 J
Trichloroethene	0.32
Vinyl Chloride	0.17 U

Analyte	Result (ug/m^3) IA-F13F
1,1,1-Trichloroethane	0.76 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.32 J
Tetrachloroethene	0.76 U
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) AA-01
1,1,1-Trichloroethane	0.93 U
1,1-Dichlorethene	0.2 U
Carbon tetrachloride	0.36
cis-1,2-Dichloroethene	0.2 U
Methylene chloride	0.42 J
Tetrachloroethene	0.93 U
Trichloroethene	0.2 U
Vinyl Chloride	0.2 U

Analyte	Result (ug/m^3) IA-E16F
1,1,1-Trichloroethane	0.75 U
1,1-Dichlorethene	0.16 U
Carbon tetrachloride	0.37
cis-1,2-Dichloroethene	0.16 U
Methylene chloride	0.33 J
Tetrachloroethene	0.099 J
Trichloroethene	0.16 U
Vinyl Chloride	0.16 U

Analyte	Result (ug/m^3) IA-H21F
1,1,1-Trichloroethane	0.8 U
1,1-Dichlorethene	0.17 U
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	0.17 U
Methylene chloride	0.32 J
Tetrachloroethene	0.12 J
Trichloroethene	0.17 U
Vinyl Chloride	0.17 U

NOTES:

1. U = NOT DETECTED AT THE REPORTED DETECTION LIMIT.
   J = ESTIMATED VALUE.
2. SAMPLE LOCATION IA-12F IS WITHIN THE SEALED AND UNOCCUPIED BASEMENT AREA.
3. EP-C5F WAS OFFLINE FROM 12/01/20 TO 01/21/21. EP-E2F VACUUM WAS INCREASED FROM 13 IN. WC TO 21 IN. WC DURING THIS PERIOD.

0 60 120
SCALE IN FEET

TITLE: **DECEMBER 2020 INDOOR AND AMBIENT AIR VI SAMPLING RESULTS LA FITNESS**

LOCATION: **Former UNISYS Facility Lake Success, New York**

amec

APPROVED	EAW
DRAFTED	BRT
PROJECT#	117-0507644
DATE	01/20/21

FIGURE 1

FILE NAME: T:\LOCKHEED\GREAT NECK\LA Fitness SSDS\SV Monitoring Work Plan\Figure 1 - 2020 VI SAMPLING RESULTS LA Fitness.dwg PLOT DATE: Wed, 27 May 2020 PLOT TIME: 9:10 AM

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	AA-01				IA-12				IA-C20				IA-D13				IA-DUP-1				IA-DUP-2				IA-E10			
Lab Sample ID	P2006972-011				P2006972-010				P2006972-007				P2006972-003				P2006972-012				P2006972-013				P2006972-002			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.78				1.52				1.52				1.45				1.4				1.74				1.52			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																												
1,1,1-Trichloroethane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
1,1,2,2-Tetrachloroethane	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.1	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.49	J	0.14	0.94	0.5	J	0.12	0.81	0.49	J	0.12	0.81	0.51	J	0.11	0.77	0.49	J	0.11	0.74	0.49	J	0.13	0.92	0.52	J	0.12	0.81
1,1,2-Trichloroethane	0.93	U	0.096	0.93	0.79	U	0.082	0.79	0.79	U	0.082	0.79	0.75	U	0.078	0.75	0.73	U	0.076	0.73	0.9	U	0.094	0.9	0.79	U	0.082	0.79
1,1-Dichloroethane	0.96	U	0.14	0.96	0.82	U	0.12	0.82	0.82	U	0.12	0.82	0.78	U	0.11	0.78	0.76	U	0.11	0.76	0.94	U	0.14	0.94	0.82	U	0.12	0.82
1,1-Dichloroethene	0.2	U	0.13	0.2	0.17	U	0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.11	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17
1,2,4-Trichlorobenzene	1.8	U	0.23	1.8	1.5	U	0.2	1.5	1.5	U	0.2	1.5	1.5	U	0.19	1.5	1.4	U	0.18	1.4	1.7	U	0.23	1.7	1.5	U	0.2	1.5
1,2,4-Trimethylbenzene	0.18	J	0.13	0.93	0.79	U	0.11	0.79	0.39	J	0.11	0.79	0.35	J	0.11	0.75	0.36	J	0.1	0.73	0.42	J	0.13	0.9	0.35	J	0.11	0.79
1,2-Dibromo-3-chloropropane	1.8	U	0.18	1.8	1.5	U	0.15	1.5	1.5	U	0.15	1.5	1.5	U	0.15	1.5	1.4	U	0.14	1.4	1.7	U	0.17	1.7	1.5	U	0.15	1.5
1,2-Dibromoethane	0.93	U	0.11	0.93	0.79	U	0.094	0.79	0.79	U	0.094	0.79	0.75	U	0.09	0.75	0.73	U	0.087	0.73	0.9	U	0.11	0.9	0.79	U	0.094	0.79
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.93	U	0.15	0.93	0.79	U	0.13	0.79	0.79	U	0.13	0.79	0.75	U	0.12	0.75	0.73	U	0.12	0.73	0.9	U	0.15	0.9	0.79	U	0.13	0.79
1,2-Dichlorobenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.14	0.92	0.81	U	0.12	0.81
1,2-Dichloroethane	0.93	U	0.11	0.93	0.79	U	0.09	0.79	0.79	U	0.09	0.79	0.75	U	0.086	0.75	0.73	U	0.083	0.73	0.9	U	0.1	0.9	0.79	U	0.09	0.79
1,2-Dichloroethene (total)	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
1,2-Dichloropropane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
1,3,5-Trimethylbenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.11	0.77	0.74	U	0.11	0.74	0.92	U	0.13	0.92	0.81	U	0.12	0.81
1,3-Butadiene	0.93	U	0.16	0.93	0.79	U	0.13	0.79	0.79	U	0.13	0.79	0.75	U	0.13	0.75	0.25	J	0.12	0.73	0.9	U	0.15	0.9	0.79	U	0.13	0.79
1,3-Dichlorobenzene	0.94	U	0.14	0.94	0.81	U	0.12	0.81	0.81	U	0.12	0.81	0.77	U	0.12	0.77	0.74	U	0.11	0.74	0.92	U	0.14	0.92	0.81	U	0.12	0.81
1,4-Dichlorobenzene	0.93	U	0.15	0.93	0.79	U	0.12	0.79	0.26	J	0.12	0.79	0.15	J	0.12	0.75	0.25	J	0.11	0.73	0.9	U	0.14	0.9	0.27	J	0.12	0.79
1,4-Dioxane	0.93	U	0.11	0.93	0.4	J	0.096	0.79	1.6		0.096	0.79	0.75	U	0.091	0.75	3	J	0.088	0.73	0.16	J	0.11	0.9	0.31	J	0.096	0.79
2-Butanone	0.28	J	0.2	1.8	2.9		0.17	1.5	1	J	0.17	1.5	0.56	J	0.16	1.5	2		0.15	1.4	1.3	J	0.19	1.7	0.57	J	0.17	1.5
2-Hexanone	1.8	U	0.12	1.8	1.5	U	0.1	1.5	0.22	J	0.1	1.5	1.5	U	0.096	1.5	0.44	J	0.092	1.4	0.2	J	0.11	1.7	1.5	U	0.1	1.5
2-Propanol	1.2	J	0.39	1.8	0.69	J	0.33	1.5	100		0.33	1.5	87		0.32	1.5	99		0.31	1.4	93		0.38	1.7	130		0.33	1.5
4-Ethyltoluene	0.94	U	0.15	0.94	0.81	U	0.13	0.81	0.81	U	0.13	0.81	0.77	U	0.12	0.77	0.74	U	0.12	0.74	0.92	U	0.15	0.92	0.81	U	0.13	0.81
4-Methyl-2-pentanone	1.8	U	0.13	1.8	1.5	U	0.11	1.5	0.26	J	0.11	1.5	0.17	J	0.11	1.5	5.2	J	0.1	1.4	0.25	J	0.13	1.7	0.23	J	0.11	1.5
Acetic acid, methyl ester	0.89	U	0.43	0.89	0.76	U	0.36	0.76	0.85		0.36	0.76	0.78		0.35	0.73	1.2		0.34	0.7	0.75	J	0.42	0.87	0.85		0.36	0.76
Acetone	3.1	J	2.1	9.3	18		1.8	7.9	29		1.8	7.9	24		1.7	7.5	34		1.7	7.3	29		2.1	9	29		1.8	7.9
Allyl chloride	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.1	0.73	0.9	U	0.13	0.9	0.79	U	0.11	0.79
Benzene	0.55	J	0.14	0.93	0.94		0.12	0.79	0.78	J	0.12	0.79	0.76		0.11	0.75	0.75		0.11	0.73	0.91		0.13	0.9	0.74	J	0.12	0.79
Bromodichloromethane	0.93	U	0.14	0.93	0.79	U	0.12	0.79	0.17	J	0.12	0.79	0.18	J	0.11	0.75	0.12	J	0.11	0.73	0.17	J	0.13	0.9	0.16	J	0.12	0.79
Bromoform	0.94	U	0.2	0.94	0.81	U	0.17	0.81	0.81	U	0.17	0.81	0.77	U	0.16	0.77	0.74	U	0.15	0.74	0.92	U	0.19	0.92	0.81	U	0.17	0.81
Bromomethane	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.11	0.75	0.73	U	0.1	0.73	0.9	U	0.13	0.9	0.79	U	0.11	0.79
Carbon disulfide	1.8	U	0.28	1.8	12		0.24	1.5	0.24	J	0.24	1.5	1.5	U	0.23	1.5	1.8	J	0.22	1.4	1.3	J	0.28	1.7	0.67	J	0.24	1.5
Carbon tetrachloride	0.36		0.13	0.18	0.32		0.11	0.15	0.38		0.11	0.15	0.37		0.11	0.15	0.36		0.1	0.14	0.36		0.13	0.17	0.37		0.11	0.15
Chlorobenzene	0.93	U	0.13	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.099	0.73	0.9	U	0.12	0.9	0.79	U	0.11	0.79
Chlorodifluoromethane	0.49	J	0.45	0.89	0.49	J	0.38	0.76	0.61	J	0.38	0.76	0.57	J	0.36	0.73	0.49	J	0.35	0.7	0.54	J	0.44	0.87	0.57	J	0.38	0.76
Chloroethane	0.93	U	0.12	0.93	0.79	U	0.1	0.79	0.79	U	0.1	0.79	0.75	U	0.096	0.75	0.73	U	0.092	0.73	0.9	U	0.11	0.9	0.79	U	0.1	0.79
Chloroform	0.94	U	0.13	0.94	2.6		0.11	0.81	1.8		0.11	0.81	1.9		0.1	0.77	1.2		0.099	0.74	1.7		0.12	0.92	1.8		0.11	0.81
Chloromethane	0.19	J	0.15	0.93	0.79	U	0.13	0.79	0.26	J	0.13	0.79	0.23	J	0.12	0.75	0.21	J	0.12	0.73	0.2	J	0.15	0.9	0.22	J	0.13	0.79
cis-1,2-Dichloroethene	0.2	U	0.13	0.2	0.17	U	0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.11	0.16	0.15	U	0.11	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17
cis-1,3-Dichloropropene	0.94	U	0.15	0.94	0.81	U	0.13	0.81	0.81	U	0.13	0.81	0.77	U	0.12	0.77	0.74	U	0.12	0.74	0.92	U	0.14	0.92	0.81	U	0.13	0.81
Cyclohexane	1.8	U	0.27	1.8	1.5	U	0.23	1.5	1.5	U	0.23	1.5	0.22	J	0.22	1.5	1.4	U	0.21	1.4	0.35	J	0.26	1.7	1.5	U	0.23	1.5
Dibromochloromethane	0.93	U	0.12	0.93	0.79	U	0.11	0.79	0.79	U	0.11	0.79	0.75	U	0.1	0.75	0.73	U	0.098	0.73	0.9	U	0.12	0.9	0.79	U	0.11	0.79
Dichlorodifluoromethane	2.3		0.15	0.93	2.3		0.13	0.79	2.3		0.13	0.79	2.3		0.13	0.75	2.3		0.12	0.73	2.3		0.15	0.9	2.3		0.13	0.79
Difluoroethane	0.89	U	0.46	0.89	0.89		0.4	0.76	2.3		0.4	0.76	0.67	J	0.38	0.73	0.42	J	0.36	0.7	0.9		0.45	0.87	0.66	J	0.4	0.76
Ethylbenzene	0.15	J	0.13	0.93	0.79	U	0.11	0.79	0.27	J	0.11	0.79	0.25	J	0.11	0.75	0.22	J	0.11	0.73	0.32	J	0.13	0.9	0.27	J	0.11	0.79
Freon 115	0.89	U	0.41	0.89	0.76	U	0.35	0.76	0.76	U	0.35	0.76	0.73	U	0.33	0.73	0.7	U	0.32	0.7	0.87	U	0.4	0.87	0.76	U	0.35	0.76
Freon 123	0.89	U	0.43	0.89	0.76	U	0.36	0.76	0.76	U	0.36	0.76	0.73	U	0.35	0.73	0.7	U	0.34	0.7	0.87	U	0.42	0.87	0.76	U	0.36	0.76
Hexachlorobutadiene	0.93	U	0.2	0.93	0.79	U	0.17	0.79	0.79	U	0.17	0.79	0.75	U	0.16	0.75	0.73	U	0.15	0.73	0.9	U	0.19	0.9	0.79	U	0.17	0.79
Hexane	0.38	J	0.2	0.93	0.47	J	0.17	0.79	0.48	J	0.17	0.79	0.61	J	0.16	0.75	0.44	J	0.15	0.73	1.1		0.19	0.9	0.47	J	0.17	0.79
Isopropylbenzene	0.93	U	0.14	0.93	0.79	U	0.12	0.79	0.79	U	0.12	0.79	0.75	U	0.11	0.75	0.73	U	0.11	0.73	0.9	U	0.13	0.9	0.79	U	0.12	0.79
Methyl cyclohexane	0.89	U	0.46	0.89	0.76	U	0.4	0.76	0.76	U	0.4	0.76	0.73	U	0.38	0.73	0.7	U	0.36	0.7	0.87	U	0.45	0.87	0.76	U	0.4	0.76
Methyl Tertbutyl Ether	0.93	U	0.11	0.93	0.79	U	0.096	0.79	0.79	U	0.096	0.79	0.75	U	0.091	0.75	0.73	U	0.088	0.73	0.9	U	0.11	0.9	0.79	U	0.096	0.79
Methylene chloride	0.42	J	0.27	0.93	0.79	U	0.23	0.79	0.35	J	0.23	0.79	0.56	J	0.22	0.75	0.32	J	0.21	0.73	0.39	J	0.26	0.9	0.32	J	0.23	0.79
Styrene	0.93	U	0.15	0.93	0.79	U	0.13	0.79	0.21	J	0.13	0.79	0.13	J	0.12	0.75	0.19	J	0.12	0.73	0.21	J	0.15	0.9	0.2	J	0.13	0.79
Tetrachloroethene	0.93	U	0.12	0.93	0.23	J	0.1	0.79	0.79	U	0.1	0.79	0.2	J	0.1	0.75	0.73	U	0.097	0.73	0.9	U	0.12	0.9	0.79	U	0.1	0.79
Toluene	0.77	J	0.12	0.93	0.26	J	0.099	0.79	1.3		0.099	0.79	1.7		0.094	0.75	1.1		0.091	0.73	1.6		0.11	0.9	1.5		0.099	0.79
trans-1,2-Dichloroethene	0.94	U	0.13	0.94	0.81	U	0.11	0.81	0.81	U	0.11	0.81	0.77	U	0.11	0.77	0.74	U	0.1	0.74	0.92	U	0.13	0.92	0.81	U	0.11	0.81
trans-1,3-Dichloropropene	0.91	U	0.2	0.91	0.78	U	0.17	0.78	0.78	U	0.17	0.78	0.74	U	0.16	0.74	0.71	U	0.15	0.71	0.89	U	0.19	0.89	0.78	U	0.17	0.78

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID					**AA-01**								**IA-12**								**IA-C20**			
Lab Sample ID					P2006972-011								P2006972-010								P2006972-007			
Sampling Date					12/10/2020								12/10/2020								12/10/2020			
Matrix					AIR								AIR								AIR			
Dilution Factor					1.78								1.52								1.52			
Unit					UG/M3								UG/M3								UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
Trichloroethene	0.2	U	0.13	0.2	0.32		0.11	0.17	0.17	U	0.11	0.17	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19
Trichlorofluoromethane	1.2		0.14	0.91	1.2		0.12	0.78	1.2		0.12	0.78	1.2		0.12	0.74	1.1		0.11	0.71	1.1		0.14	0.89
Vinyl chloride	0.2	U	0.1	0.2	0.17	U	0.087	0.17	0.17	U	0.087	0.17	0.16	U	0.083	0.16	0.15	U	0.08	0.15	0.19	U	0.099	0.19
Xylene, o	0.18	J	0.14	0.94	0.81	U	0.12	0.81	0.36	J	0.12	0.81	0.32	J	0.11	0.77	0.28	J	0.11	0.74	0.39	J	0.13	0.92
Xylenes (m&p)	0.45	J	0.25	1.8	1.5	U	0.21	1.5	0.89	J	0.21	1.5	0.8	J	0.2	1.5	0.75	J	0.2	1.4	0.98	J	0.24	1.7

Sample ID					**IA-D13**								**IA-DUP-1**								**IA-DUP-2**			
Lab Sample ID					P2006972-003								P2006972-012								P2006972-013			
Sampling Date					12/10/2020								12/10/2020								12/10/2020			
Matrix					AIR								AIR								AIR			
Dilution Factor					1.45								1.4								1.74			
Unit					UG/M3								UG/M3								UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
Trichloroethene	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.19	U	0.13	0.19	0.17	U	0.11	0.17								
Trichlorofluoromethane	1.2		0.12	0.74	1.1		0.11	0.71	1.1		0.14	0.89	1.2		0.12	0.78								
Vinyl chloride	0.16	U	0.083	0.16	0.15	U	0.08	0.15	0.19	U	0.099	0.19	0.17	U	0.087	0.17								
Xylene, o	0.32	J	0.11	0.77	0.28	J	0.11	0.74	0.39	J	0.13	0.92	0.33	J	0.12	0.81								
Xylenes (m&p)	0.8	J	0.2	1.5	0.75	J	0.2	1.4	0.98	J	0.24	1.7	0.84	J	0.21	1.5								

J: Estimated Value

U : Analyte was analyzed for but not detected.

Q: Qualifier

MDL: Method Detection Limit

MRL: Method Reporting Limit

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID	IA-E16				IA-E21.5				IA-F13				IA-G18				IA-G5				IA-H21			
Lab Sample ID	P2006972-005				P2006972-008				P2006972-004				P2006972-006				P2006972-001				P2006972-009			
Sampling Date	12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix	AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor	1.44				1.4				1.47				1.6				1.45				1.54			
Unit	UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																								
1,1,1-Trichloroethane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.75	U	0.096	0.75	0.8	U	0.1	0.8
1,1,2,2-Tetrachloroethane	0.76	U	0.11	0.76	0.74	U	0.1	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.11	0.82
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5	J	0.11	0.76	0.51	J	0.11	0.74	0.52	J	0.11	0.78	0.51	J	0.12	0.85	0.5	J	0.11	0.77	0.51	J	0.12	0.82
1,1,2-Trichloroethane	0.75	U	0.078	0.75	0.73	U	0.076	0.73	0.76	U	0.079	0.76	0.83	U	0.086	0.83	0.75	U	0.078	0.75	0.8	U	0.083	0.8
1,1-Dichloroethane	0.78	U	0.11	0.78	0.76	U	0.11	0.76	0.79	U	0.11	0.79	0.86	U	0.12	0.86	0.78	U	0.11	0.78	0.83	U	0.12	0.83
1,1-Dichloroethene	0.16	U	0.11	0.16	0.15	U	0.1	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.11	0.16	0.17	U	0.11	0.17
1,2,4-Trichlorobenzene	1.4	U	0.19	1.4	1.4	U	0.18	1.4	1.5	U	0.19	1.5	1.6	U	0.21	1.6	1.5	U	0.19	1.5	1.5	U	0.2	1.5
1,2,4-Trimethylbenzene	0.42	J	0.11	0.75	0.47	J	0.1	0.73	0.4	J	0.11	0.76	0.42	J	0.12	0.83	0.36	J	0.11	0.75	0.38	J	0.11	0.8
1,2-Dibromo-3-chloropropane	1.4	U	0.14	1.4	1.4	U	0.14	1.4	1.5	U	0.15	1.5	1.6	U	0.16	1.6	1.5	U	0.15	1.5	1.5	U	0.15	1.5
1,2-Dibromoethane	0.75	U	0.089	0.75	0.73	U	0.087	0.73	0.76	U	0.091	0.76	0.83	U	0.099	0.83	0.75	U	0.09	0.75	0.8	U	0.095	0.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.75	U	0.12	0.75	0.73	U	0.12	0.73	0.76	U	0.12	0.76	0.83	U	0.13	0.83	0.75	U	0.12	0.75	0.8	U	0.13	0.8
1,2-Dichlorobenzene	0.76	U	0.11	0.76	0.74	U	0.11	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.11	0.77	0.82	U	0.12	0.82
1,2-Dichloroethane	0.75	U	0.085	0.75	0.73	U	0.083	0.73	0.76	U	0.087	0.76	0.83	U	0.094	0.83	0.75	U	0.086	0.75	0.8	U	0.091	0.8
1,2-Dichloroethene (total)	0.76	U	0.11	0.76	0.74	U	0.11	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.12	0.82
1,2-Dichloropropane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.75	U	0.096	0.75	0.8	U	0.1	0.8
1,3,5-Trimethylbenzene	0.12	J	0.11	0.76	0.14	J	0.11	0.74	0.11	J	0.11	0.78	0.85	U	0.12	0.85	0.13	J	0.11	0.77	0.82	U	0.12	0.82
1,3-Butadiene	0.75	U	0.13	0.75	0.73	U	0.12	0.73	0.76	U	0.13	0.76	0.83	U	0.14	0.83	0.75	U	0.13	0.75	0.8	U	0.14	0.8
1,3-Dichlorobenzene	0.76	U	0.12	0.76	0.74	U	0.11	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.12	0.77	0.82	U	0.12	0.82
1,4-Dichlorobenzene	0.26	J	0.12	0.75	0.17	J	0.11	0.73	0.28	J	0.12	0.76	0.29	J	0.13	0.83	0.17	J	0.12	0.75	0.27	J	0.13	0.8
1,4-Dioxane	0.75	U	0.091	0.75	0.097	J	0.088	0.73	0.11	J	0.093	0.76	0.83	U	0.1	0.83	0.59	J	0.091	0.75	0.8	U	0.097	0.8
2-Butanone	0.6	J	0.16	1.4	1.3	J	0.15	1.4	0.68	J	0.16	1.5	0.55	J	0.18	1.6	1.5		0.16	1.5	0.61	J	0.17	1.5
2-Hexanone	0.098	J	0.095	1.4	1.4	U	0.092	1.4	1.5	U	0.097	1.5	1.6	U	0.11	1.6	0.29	J	0.096	1.5	1.5	U	0.1	1.5
2-Propanol	97		0.32	1.4	57		0.31	1.4	110		0.32	1.5	99		0.35	1.6	98		0.32	1.5	130		0.34	1.5
4-Ethyltoluene	0.76	U	0.12	0.76	0.12	J	0.12	0.74	0.78	U	0.12	0.78	0.85	U	0.14	0.85	0.77	U	0.12	0.77	0.82	U	0.13	0.82
4-Methyl-2-pentanone	0.23	J	0.11	1.4	0.58	J	0.1	1.4	0.21	J	0.11	1.5	0.17	J	0.12	1.6	0.34	J	0.11	1.5	0.22	J	0.11	1.5
Acetic acid, methyl ester	0.86		0.35	0.72	0.79		0.34	0.7	0.87		0.35	0.74	0.8		0.38	0.8	1.2		0.35	0.73	0.91		0.37	0.77
Acetone	27		1.7	7.5	17		1.7	7.3	29		1.8	7.6	25		1.9	8.3	33		1.7	7.5	27		1.8	8
Allyl chloride	0.75	U	0.1	0.75	0.73	U	0.1	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Benzene	0.86		0.11	0.75	1.2		0.11	0.73	0.75	J	0.11	0.76	0.99		0.12	0.83	0.73	J	0.11	0.75	0.76	J	0.12	0.8
Bromodichloromethane	0.17	J	0.11	0.75	0.73	U	0.11	0.73	0.17	J	0.11	0.76	0.18	J	0.12	0.83	0.11	J	0.11	0.75	0.15	J	0.12	0.8
Bromoform	0.76	U	0.16	0.76	0.74	U	0.15	0.74	0.78	U	0.16	0.78	0.85	U	0.18	0.85	0.77	U	0.16	0.77	0.82	U	0.17	0.82
Bromomethane	0.75	U	0.11	0.75	0.73	U	0.1	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.11	0.75	0.8	U	0.11	0.8
Carbon disulfide	1.4	U	0.23	1.4	0.58	J	0.22	1.4	0.86	J	0.24	1.5	1.6	U	0.26	1.6	6.4	J	0.23	1.5	0.66	J	0.25	1.5
Carbon tetrachloride	0.37		0.11	0.14	0.38		0.1	0.14	0.36		0.11	0.15	0.37		0.12	0.16	0.37		0.11	0.15	0.38		0.11	0.15
Chlorobenzene	0.75	U	0.1	0.75	0.73	U	0.099	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Chlorodifluoromethane	0.53	J	0.36	0.72	0.73		0.35	0.7	0.53	J	0.37	0.74	0.59	J	0.4	0.8	0.43	J	0.36	0.73	0.61	J	0.39	0.77
Chloroethane	0.75	U	0.095	0.75	0.73	U	0.092	0.73	0.76	U	0.097	0.76	0.83	U	0.11	0.83	0.12	J	0.096	0.75	0.8	U	0.1	0.8
Chloroform	1.8		0.1	0.76	0.99		0.099	0.74	1.8		0.1	0.78	1.7		0.11	0.85	1.2		0.1	0.77	1.8		0.11	0.82
Chloromethane	0.2	J	0.12	0.75	0.17	J	0.12	0.73	0.22	J	0.13	0.76	0.22	J	0.14	0.83	0.2	J	0.12	0.75	0.24	J	0.13	0.8
cis-1,2-Dichloroethene	0.16	U	0.11	0.16	0.15	U	0.11	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.11	0.16	0.17	U	0.12	0.17
cis-1,3-Dichloropropene	0.76	U	0.12	0.76	0.74	U	0.12	0.74	0.78	U	0.12	0.78	0.85	U	0.13	0.85	0.77	U	0.12	0.77	0.82	U	0.13	0.82
Cyclohexane	0.3	J	0.22	1.4	0.29	J	0.21	1.4	1.5	U	0.22	1.5	0.35	J	0.24	1.6	1.5	U	0.22	1.5	1.5	U	0.23	1.5
Dibromochloromethane	0.75	U	0.1	0.75	0.73	U	0.098	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.75	U	0.1	0.75	0.8	U	0.11	0.8
Dichlorodifluoromethane	2.3		0.13	0.75	2.3		0.12	0.73	2.4		0.13	0.76	2.3		0.14	0.83	2.3		0.13	0.75	2.3		0.13	0.8
Difluoroethane	0.75		0.37	0.72	0.53	J	0.36	0.7	0.66	J	0.38	0.74	1.9		0.42	0.8	0.73	U	0.38	0.73	0.9		0.4	0.77
Ethylbenzene	0.29	J	0.11	0.75	0.32	J	0.11	0.73	0.29	J	0.11	0.76	0.31	J	0.12	0.83	0.4	J	0.11	0.75	0.25	J	0.12	0.8
Freon 115	0.72	U	0.33	0.72	0.7	U	0.32	0.7	0.74	U	0.34	0.74	0.8	U	0.37	0.8	0.73	U	0.33	0.73	0.77	U	0.35	0.77
Freon 123	0.72	U	0.35	0.72	0.7	U	0.34	0.7	0.74	U	0.35	0.74	0.8	U	0.38	0.8	0.73	U	0.35	0.73	0.77	U	0.37	0.77
Hexachlorobutadiene	0.75	U	0.16	0.75	0.73	U	0.15	0.73	0.76	U	0.16	0.76	0.83	U	0.18	0.83	0.75	U	0.16	0.75	0.8	U	0.17	0.8
Hexane	0.89		0.16	0.75	0.98		0.15	0.73	0.51	J	0.16	0.76	1.1		0.18	0.83	0.51	J	0.16	0.75	0.52	J	0.17	0.8
Isopropylbenzene	0.75	U	0.11	0.75	0.73	U	0.11	0.73	0.76	U	0.11	0.76	0.83	U	0.12	0.83	0.75	U	0.11	0.75	0.8	U	0.12	0.8
Methyl cyclohexane	0.4	J	0.37	0.72	0.42	J	0.36	0.7	0.74	U	0.38	0.74	0.49	J	0.42	0.8	0.73	U	0.38	0.73	0.77	U	0.4	0.77
Methyl Tertbutyl Ether	0.75	U	0.091	0.75	0.73	U	0.088	0.73	0.76	U	0.093	0.76	0.83	U	0.1	0.83	0.75	U	0.091	0.75	0.8	U	0.097	0.8
Methylene chloride	0.33	J	0.22	0.75	0.32	J	0.21	0.73	0.32	J	0.22	0.76	0.33	J	0.24	0.83	0.33	J	0.22	0.75	0.32	J	0.23	0.8
Styrene	0.19	J	0.12	0.75	0.43	J	0.12	0.73	0.19	J	0.13	0.76	0.2	J	0.14	0.83	0.75	U	0.12	0.75	0.16	J	0.13	0.8
Tetrachloroethene	0.099	J	0.099	0.75	0.1	J	0.097	0.73	0.76	U	0.1	0.76	0.83	U	0.11	0.83	0.12	J	0.1	0.75	0.12	J	0.11	0.8
Toluene	1.6		0.094	0.75	1.5		0.091	0.73	1.3		0.096	0.76	1.7		0.1	0.83	1.3		0.094	0.75	1.3		0.1	0.8
trans-1,2-Dichloroethene	0.76	U	0.11	0.76	0.74	U	0.1	0.74	0.78	U	0.11	0.78	0.85	U	0.12	0.85	0.77	U	0.11	0.77	0.82	U	0.11	0.82
trans-1,3-Dichloropropene	0.73	U	0.16	0.73	0.71	U	0.15	0.71	0.75	U	0.16	0.75	0.82	U	0.18	0.82	0.74	U	0.16	0.74	0.79	U	0.17	0.79

TABLE 1

December 2020 - LA Fitness Indoor Air Sampling Results

Former Unisys Facility, Lake Success, New York

Sample ID					**IA-E16**				**IA-E21.5**				**IA-F13**				**IA-G18**				**IA-G5**				**IA-H21**			
Lab Sample ID					P2006972-005				P2006972-008				P2006972-004				P2006972-006				P2006972-001				P2006972-009			
Sampling Date					12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020				12/10/2020			
Matrix					AIR				AIR				AIR				AIR				AIR				AIR			
Dilution Factor					1.44				1.4				1.47				1.6				1.45				1.54			
Unit					UG/M3				UG/M3				UG/M3				UG/M3				UG/M3				UG/M3			
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL	Result	Q	MDL	MRL
AIR BY TO-15																												
Trichloroethene	0.16	U	0.1	0.16	0.15	U	0.1	0.15	0.16	U	0.11	0.16	0.18	U	0.12	0.18	0.16	U	0.1	0.16	0.17	U	0.11	0.17				
Trichlorofluoromethane	1.2		0.12	0.73	1.2		0.11	0.71	1.2		0.12	0.75	1.2		0.13	0.82	1.2		0.12	0.74	1.2		0.12	0.79				
Vinyl chloride	0.16	U	0.082	0.16	0.15	U	0.08	0.15	0.16	U	0.084	0.16	0.18	U	0.091	0.18	0.16	U	0.083	0.16	0.17	U	0.088	0.17				
Xylene, o	0.37	J	0.11	0.76	0.39	J	0.11	0.74	0.33	J	0.11	0.78	0.37	J	0.12	0.85	0.36	J	0.11	0.77	0.33	J	0.12	0.82				
Xylenes (m&p)	0.92	J	0.2	1.4	0.96	J	0.2	1.4	0.85	J	0.21	1.5	0.97	J	0.22	1.6	0.92	J	0.2	1.5	0.81	J	0.22	1.5				

J: Estimated Value

U : Analyte was analyzed for but not detected.

Q: Qualifier

MDL: Method Detection Limit

MRL: Method Reporting Limit

Volatile Organic Compounds (VOCs) in Commonly Used Products

People spend most of their time indoors – at home, school and work. This makes the quality of the indoor air you breathe important. This fact sheet focuses on certain kinds of chemicals called *volatile organic compounds* or *VOCs* that are found in many products that we commonly use. It is designed to help you think about what VOCs may be present in your indoor air and steps you can take to reduce them.

What are VOCs?

VOCs are chemicals that easily enter the air as gases from some solids or liquids. They are ingredients in many commonly used products and are in the air of just about every indoor setting. The table to the right shows some examples of products that contain VOCs.

How do VOCs get into indoor air?

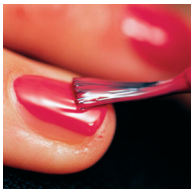
Products containing VOCs can release these chemicals when they are used and when they are stored. Many times you'll notice an odor when using these products. Product labels often list VOC ingredients and recommend that they should be used in well ventilated areas. *Ventilation* means bringing in fresh, outdoor air to mix with indoor air.

When you use a product containing VOCs indoors, the levels of these chemicals in the air increase, then decrease over time after you stop using them. The amount of time the chemical stays in the air depends on how quickly fresh air enters the room and the amount of the chemical used. Levels of VOCs will decrease faster if you open windows or doors, or use exhaust fans.

Building materials and furnishings, such as new carpets or furniture, slowly release VOCs over time. It may be necessary to ventilate areas with new carpeting or furniture for longer time periods because VOC levels can build up again after the windows are closed. If possible, unroll new carpets or store furniture outside your home (in a shed or detached garage) to minimize odors before bringing them in the home. If that's not possible, open windows, close doors and try to stay out of rooms until odors are reduced.

If VOC containing products are used outdoors near your home, you may want to close windows and nearby vents to prevent chemicals from coming inside.

Products used at home or work can release VOCs into the air when used and stored.



Examples of Household Products	Possible VOC Ingredients
Fuel containers or devices using gasoline, kerosene, fuel oil and products with petroleum distillates: paint thinner, oil-based stains and paint, aerosol or liquid insect pest products, mineral spirits, furniture polishes	BTEX (benzene, toluene, ethylbenzene, xylene), hexane, cyclohexane, 1,2,4-trimethylbenzene
Personal care products: nail polish, nail polish remover, colognes, perfumes, rubbing alcohol, hair spray	Acetone, ethyl alcohol, isopropyl alcohol, methacrylates (methyl or ethyl), ethyl acetate
Dry cleaned clothes, spot removers, fabric/ leather cleaners	Tetrachloroethene (perchloroethene (PERC), trichloroethene (TCE))
Citrus (orange) oil or pine oil cleaners, solvents and some odor masking products	d-limonene (citrus odor), a-pinene (pine odor), isoprene
PVC cement and primer, various adhesives, contact cement, model cement	Tetrahydrofuran, cyclohexane, methyl ethyl ketone (MEK), toluene, acetone, hexane, 1,1,1-trichloroethane, methyl-iso-butyl ketone (MIBK)
Paint stripper, adhesive (glue) removers	Methylene chloride, toluene, older products may contain carbon tetrachloride
Degreasers, aerosol penetrating oils, brake cleaner, carburetor cleaner, commercial solvents, electronics cleaners, spray lubricants	Methylene chloride, PERC, TCE, toluene, xylenes, methyl ethyl ketone, 1,1,1-trichloroethane
Moth balls, moth flakes, deodorizers, air fresheners	1,4-dichlorobenzene, naphthalene
Refrigerant from air conditioners, freezers, refrigerators, dehumidifiers	Freons (trichlorofluoromethane, dichlorodifluoromethane)
Aerosol spray products for some paints, cosmetics, automotive products, leather treatments, pesticides	Heptane, butane, pentane
Upholstered furniture, carpets, plywood, pressed wood products	Formaldehyde

VOCs can also get into indoor air from contaminated soils and groundwater under buildings. The chemicals enter buildings through cracks and openings in basements or slabs. When nearby soil or groundwater is contaminated, you might be asked for permission to investigate indoor air at your property. More information can be found at *www.nyhealth.gov/environmental/indoors/vapor_intrusion/*.

Should I be surprised if VOCs are in the air I breathe?

No. Because they are commonly used, some VOCs are almost always found in indoor air. The New York State Department of Health (DOH) and other agencies have studied typical levels of VOCs that may be present in indoor and outdoor air. Sometimes these levels are called "*background levels*".

The term "background levels" can be confusing because they can vary depending on where an air sample was collected and whether VOCs were used or stored. For example, a study of VOCs in urban areas might find higher levels than another study in rural areas. Some studies look at office environments, others examine residences. Please keep in mind study findings may or may not make sense for your setting.

More information about levels of VOCs collected by DOH is available in Appendix C of the guidance for evaluating vapor intrusion at *www.nyhealth.gov/environmental/investigations/soil_gas/svi_guidance.*

How can VOCs affect human health?

Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*. No matter how dangerous a substance or activity is, it cannot harm you without exposure.

Whether or not a person will have health effects after breathing in VOCs depends on:

The *toxicity* of the chemical (the amount of harm that can be caused by contact with the chemical).
How much of the chemical is in the air.
How long and how often the air is breathed.

Differences in age, health condition, gender and exposure to other chemicals also can affect whether or not a person will have health effects.

Short-term exposure to high levels of some VOCs can cause headaches, dizziness, light-headedness, drowsiness, nausea, and eye and respiratory irritation. These effects usually go away after the exposure stops. In laboratory animals, long-term exposure to high levels of some VOCs has caused cancer and affected the liver, kidney and nervous system. In general, we recommend minimizing exposure to chemicals, if possible.

How can I reduce the levels of VOCs indoors?

Find out if products used or stored in your home contain VOCs. Information about the chemicals in many household products are listed on the front of this fact sheet and a larger list is on the National Institute of Health's website at *hpd.nlm.nih.gov/products.htm*.

If you must store products containing VOCs, do so in tightly sealed, original containers in a secure and well-ventilated area. If possible store products in places where people do not spend much time, such as a garage or outdoor shed. Better yet, buy these products in amounts that are used quickly.

Dispose of unneeded products containing VOCs. Many of these products are considered *household hazardous wastes* and should be disposed of at special facilities or during special household hazardous waste collection programs in your area. Contact your town or visit the New York State Department of Environmental Conservation's website at *www.dec.ny.gov/chemical/8485.html* for more information about disposing of these products.

Use products containing VOCs in well-ventilated areas or outdoors. Open windows and doors or use an exhaust fan to increase ventilation. Repeated or prolonged ventilation may be necessary for reducing levels from building materials (new carpeting or furniture) that release VOCs slowly over time.

Carefully read labels and follow directions for use.

Where can I find out more?

- **New York State Department of Health**
  www.health.ny.gov/environmental
- **New York State Department of Environmental Conservation**
  www.dec.ny.gov/chemical/8485.html
- **NYSERDA's Indoor Air Quality and Your Home**
  www.nyserda.ny.gov/-/media/Files/Publications/Research/Other-Technical-Reports/indoor-air-quality.pdf
  USEPA information on Indoor Air Quality
  www.epa.gov/iaq/pubs/index.html
- **New York State Department of Environmental Conservation**
  www.dec.ny.gov/chemical/8485.html
- **National Institute of Health**
  http://hpd.nlm.nih.gov/products.htm

NEW YORK STATE | Department of Health

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APPENDIX D – PRODUCT INVENTORY FORM

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: N/A

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Storage Closet	Formula 236 Terg-O-Cide	3L	U	Didecyl Dimethyl ammonium chloride, n-Alkyl dimethyl benzyl ammonium chloride	N/A	N
Storage Closet	Glass Cleaner	3L	U	Water, surfactant blend, sodium lauryl sulfate, citric acid	N/A	N
Storage Closet	Bath & Bowl Cleaner	3L	U	water, ethoxylated alcohols, lactic acid, alkyl polyglucoside	N/A	N
Storage Closet	All Purpose Cleaner	3L	U	water, alcohol ethoxylates, alkyl polyglucoside, d-glucose	N/A	N
Near Basement Hatch	Stainless Steel Cleaner	15oz	U	petroleum oil, hydrotreated light petroleum distillates, Butane	N/A	N

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